

touchstone
lighting components

Catalogue



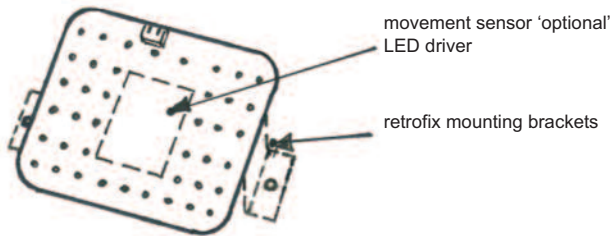
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The following products are available on request :

ELP
MEANWELL



Type	Wattage (w)	Size (mm)	Output (lm)	Detail
PLUG IN	9	145 x 145	900	2 pin or 4 pin 2D
PLUG IN	12	192 x 192	1200	2 pin or 4 pin 2D
PLUG IN	18	192 x 192	1600	2 pin or 4 pin 2D
PLUG IN	12	192 x 192	1200	4 pin SENSOR
PLUG IN	18	192 x 192	1600	4 pin SENSOR
RETROFIT	13	200 x 200	1680	700mA
RETROFIT	19.5	200 x 200	2520	1050mA
RETROFIT	19.5	200 x 200	3100	700mA H.O.

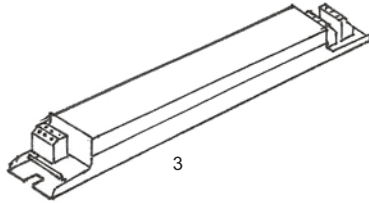
The above are only a small selection of the types produced.
Circular and linear boards are available.
Emergency units available on request.

2D retrofit high frequency
2D retrofit high frequency with emergency control gear
16/28/38W 4 pin units

All available on request

For plug in versions please stipulate 2 pin or 4 pin requirement

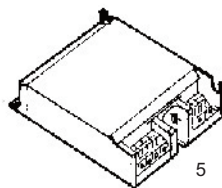
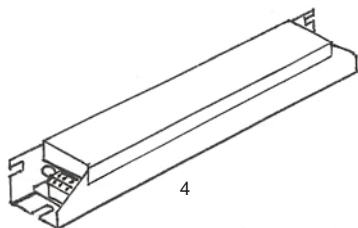
Electronic H.F. Ballasts



3AAA
220-240V 50/60Hz

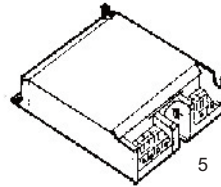
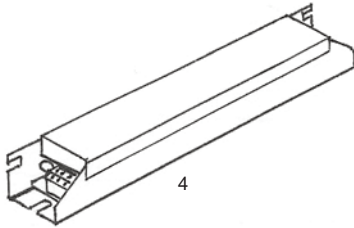
No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
3	HF136E	1x36	T8/TCL	358	30	21	3AAA
3	HF158E	1x58/55	T8/TCL	358	30	21	3AAA
3	HF218E	2x18	T8/TCL	358	30	21	3AAA 8T
3	HF236E	2x36	T8/TCL	358	30	21	3AAA 8T
3	HF258E	2x58/55	T8/TCL	360	37	30	3AAA 8T
3	HF11435E	1x14/21/28/35	T5	358	30	21	3AAA multilamp
3	HF154E	1x54	T5	358	30	21	3AAA
3	HF21435E	2x14/21/28/35	T5	358	30	21	3AAA multilamp 8T

The above are all 220-240V 50-60Hz



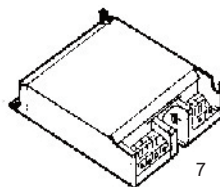
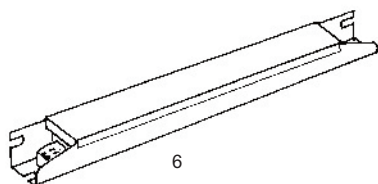
220-240V 50/60Hz

No.	Catalogue Number	Lamp	Size			Detail		
			L	W	H			
4	HFL11840E	1x18/36 1x18-40 1x24/39	T8 TCL T5	235	30	21	220-240V	HEP
4	HFL15458E	1x58 1x55 1x54	T8 TCL T5	235	30	21	220-240V	HEP
4	HFL11435E	1x14/21/28/35	T5	235	30	21	220-240V	HEP
4	HFL21840E	2x18/36 2x18-40 2x24/39	T8 TCL T5	360	30	26	220-240V	HEP
4	HFL25458E	2x58 2x55 2x54	T8 TCL T5	360	30	26	220-240V	HEP
4	HFL21435E	2x14/21/28/35	T5	360	30	26	220-240V	HEP
5	HFC118E	1x18	CL	103	62	30	220-240V	HEP
5	HFC12642E	1x26/32/42	CL	103	67	30	220-240V	3AAA
5	HFC218E	2x18	CL	123	78	33	220-240V	8T 3AAA
5	HTC2642E	1/2x26 1x32/42 1x22/40 1x18/24/36/40	CL CL T5C TCL	103	67	30.5	220-240V	HEP
5	HFC128DDPE	1x2 8	2D	103	67	30.5	220-240V	3AAA
5	HFC138DDPE	1x38	2D	103	67	30.5	220-240V	3AAA
5	HFC22642E	2x26/32/42	CL	123	78	33	220-240V	8T 3AAA



100-277V 50/60Hz

No.	Catalogue Number	Lamp	Size			Detail		
			L	W	H			
4	HFL11840ME	1x18/36 1x24/39 1x18-40	T8 T5 TCL	235	30	21	100-277V	HEP
4	HFL15458ME	1x58 1x54 1x55	T8 T5 TCL	235	30	21	100-277V	HEP
4	HFL21840ME	2x18/36 2x24/39 2x18-40	T8 T5 TCL	360	30	26	100-277V	HEP
4	HFL25458ME	2x58 2x54 2x55	T8 T5 TCL	360	30	26	100-277V	HEP
4	HFL3418ME	3/4x18	T8	360	30	26	100-277V	HEP
4	HFL11435ME	1x14/21/28/35	T5	235	30	21	100-277V	HEP
4	HFL21435ME	2x14/21/28/35	T5	360	30	26	100-277V	HEP
4	HFL414ME	3/4x14	T5	360	30	26	100-277V	HEP
5	HTC2642ME	1x24/39 1x22/40 1x18/36 1x22/32/40 1x18-40 1x18-42 1x38	T5 T5C T8 T8C TCL CL 2D	103	67	30	100-277V	HEP
5	HTC22642M	2x24/39 2x18/36 2x24-40 2x38	T5 T8 TCL 2D	123	101	30	100-277V	HEP

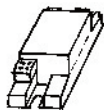


1-10V DC control

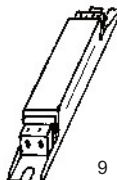
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
6	HFLD11840E	1x18-36 1x18-40 1x24/39	T8 TCL T5	360	30	26	1-10V DC Control
6	HFLD15458E	1x58 1x55 1x54	T8 TCL T5	360	30	26	1-10V DC Control
6	HFLD11435E	1x14/21/28/35	T5	360	30	26	1-10V DC Control
6	HFLD21435E	2x14/21/28/35	T5	360	30	26	1-10V DC Control
6	HFLD21840E	2x18-36 2x18-40 2x24/39	T8 TCL T5	360	30	26	1-10V DC Control
6	HFLD25458E	2x58 2x55 2x54	T8 TCL T5	360	30	26	1-10V DC Control
6	HFLD21435E	2x14/21/28/35	T5	360	30	21	1-10V DC Control
7	HTCD126-42E	1x22/40 1x24/36/40 1x26/32/42	T5C TCL CL	123	78	30.5	1-10V DC Control

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Electronic H.F. Ballasts



8 matchbox



9 slim

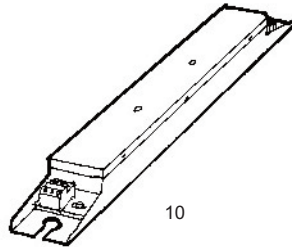
EBS range

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
8	EBS16.1C-01	4/6/8/13	80	41	19	Matchbox
		10/16				
		5/7/9/10/11				
9	EBS16.1M-01	6/8/13	150	22	22	Slim Version
		16				
		7/9/10/11				
8	EBS21.1C-01	13/18	80	41	19	Matchbox
9		EBS21.1M-01				
		13/18				
8	EBS26.1C-01	22	80	41	19	Matchbox
		24				
		15/18				
		18/24/26				
9	EBS26.1M-01	22	150	22	22	Slim Version
		24				
		18				
		18/24				
		26				

ZITARES LED modules available on request.

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Electronic H.F. Ballasts



MLS range
MLD 1-10V

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
10	MLS80.1FR-11	1x28/35/49/54/80 T5	280	30	21	10071608
10	MLS39.1-2FR-11	1/2x14/21/24/39 T5 1/2x18/24/36/40 TCL	280	30	21	10092026
10	MLS80.1/54-2FR-11	1/2x28/35/49/54 T5 1/2x55 TCL 1x80 T5	280	30	21	10071609
10	MLS14/24.3-4FR-11	3/4x14 T5 3/4x24 TCL	280	39	21	10095345
10	MLD80-1FR-01DALI	1x35/49/80 (1) T5	360	30	21	DALI 10097820
10	MLD80-2FR-01DALI	2x35/49/80 (2) T5	425	30	21	DALI 10101905

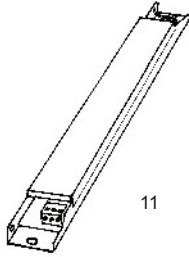
Full range of DALI MLD range is available on request

(1) - also operates 1 x 55/80 TCL

(2) - also operates 2 x 55/80 TCL

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Electronic H.F. Ballasts

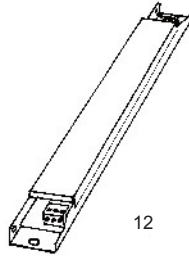


11

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
11	BCS14.3-4FR-01	3/4x14	T5	280	42	21	10052868	PRIMUS
11	BCS18.1FX-11	1x18	T8	280	30	21	10077588	PRIMUS
	BCS18.2FX-11	2x18	T8	280	30	21	10077589	PRIMUS
	BCS18.3-4LR-01	3/4x18	T8	290	42	28	10050999	PRIMUS
11	BCS35.1FX-11	1x14/21/28/35	T5	280	30	21	10077579	PRIMUS
	BCS35.2FX-11	2x14/21/28/35	T5				10077580	PRIMUS
11	BCS36.1FX-11	1x36	T8	280	30	21	10077590	PRIMUS
	BCS36.2FX-11	2x36	T8				10077591	PRIMUS
11	BCS39.1FX-11	1x24/39	T5	280	30	21	10077581	PRIMUS
		1x18/24/36	TCL/F					
		1x40	TCL					
11	BCS39.2FX-11	2x24/39	T5	280	30	21	10077582	PRIMUS
		2x18/24/36	TCL/F					
		2x40	TCL					
11	BCS49.1FX-11	1x49	T5	280	30	21	10077583	PRIMUS
11	BCS49.2FX-11	2x49	T5	280	30	21	10077584	PRIMUS
11	BCS54.1FX-11	1x54	T5	280	30	21	10077585	PRIMUS
		1x55	TCL					
		1x58	T8					
11	BCS54.2FX-11	2x54	T5	280	30	21	10077586	PRIMUS
		2x55	TCL					
11	BCS58.1FX-11	1x58	T8	280	30	21	10077592	PRIMUS
11	BCS58.2FX-11	2x58	T8	280	30	21	10077593	PRIMUS
11	BCS80.1FX-11	1x80	T5	280	30	21	10077587	PRIMUS
		1x80	TCL					
11	SCS80.2F-01	2x80	T5/TCL	425	30	21	166692	

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Electronic H.F. Ballasts



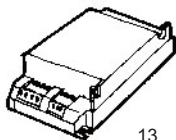
12

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
12	BCS35.1N-01	21/28/35	T5	300	24	21	10097784
12	BCS39.1N-01	24/39	T5	300	24	21	10097786
12	BCS49.1N-01	49	T5	300	24	21	10097787
12	BCS54.1N-01	54	T5	300	24	21	10097788
12	BCS80.1N-01	80	T5	300	24	21	10097789
12	ECS36.1S-01	30/36	T8	360	30	30	167022
12	ECS18.3LR-01	3x18	T8	290	42	30	167352
12	ECS18.4LR-01	4x18	T8	290	42	30	167252

Note: This page of products is only available while stocks last.

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Electronic H.F. Ballasts

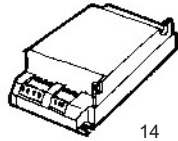


13

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
13	BCS18.1Q-01	18 CL	103	67	30	DEL/TEL	10097534
13	BCS28.1Q-01	28 2D	103	67	30	2D	10097436
13	BCS38.1Q-01	38 2D 36 CL	103	67	30	2D TCL/F	10097437
13	BCS42.1Q-01	22/40 T5C 24/39 T5 15/18/36/38 T8 18/24/36 TCL/CL 40 TCL 26/32/42 CL	103	67	30	TEL	10097535
13	BCS55.1Q-01/T5C	55 T5C 55 TCL	103	67	30		10097634
13	BCS55.1Q-01/TCDD	55 2D	103	67	30		10097439
13	BCS57.1Q-01	57 CL	103	67	30	TC-TEL	10097539
13	BCS60.1Q-01	60 T5C	103	67	30		10097635
13	SCS42.1Q-01/4KV	18/24 CL 26 CL 32/42 CL	103	67	30	TCL-F TC-DEL/TEL TC-TEL	166772

BAG Electronics

Electronic H.F. Ballasts

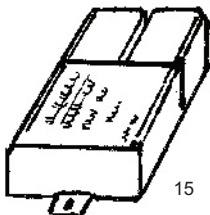


14

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
14	BCS18.1-2Q-01	1/2x18 CL	103	67	30	DEL/TEL 10097544
14	BCS21.1-2Q-01	1/2x14 T5 1/2x10/16 2D 1/2x10/13 CL 1/2x9/11 CL 1x21 T5	103	67	30	DEL/TEL TC-SE 10097543
14	BCS42.1/26.2Q-01	1/2x22 T5C 1/2x24 T5 1/2x15/18 T8 1/2x18/24 CL 1/2x26 CL 1x40 T12 1x40 T5C 1x39 T5 1x36/38 T8 1x40 TCL 1x32/42 CL	103	67	30	TCL DEL/TEL 10097545 TCL TEL
14	BCS42.1-2Q-01	1/2x26/32/42 CL	123	79	33	DEL/TEL 10097548
14	BCS70.1/42.2Q-01	1/2x26/32/42 CL 1x57/70 CL 2x22 T5C 2x40+22 T5C	103	67	30	DEL/TEL TC-SE 10097546

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Electronic H.F. Ballasts



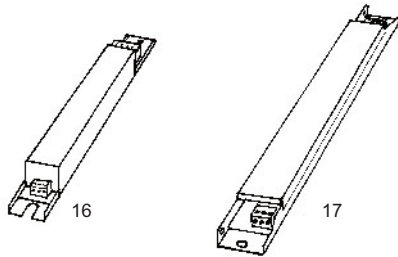
housing with strain relief
and terminal cover

twingle function with
1 or 2 lamps

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
15	BCS18.1-2QI-01	1/2x18	CL	191	86	33	DEL/TEL	10095744
15	BCS21.1-2QI-01	1/2x10/16	2D	191	86	33	TCS/TEL/DEL	10095743
		1/2x9-13	CL					
		1x21	T5					
		1/2x14	T5					
15	BCS42.1/26.2QI-01	1x40	TCL/T12	191	86	33	TCF/TCL/TCD/TCT TCT	10095745
		1/2x22	T5C					
		1x40	T5C					
		1/2x24	T5					
		1x39	T5					
		1/2x15/18	T8					
		1x36/38	T8					
		1/2x18/24/26	CL					
		1x32/42	CL					

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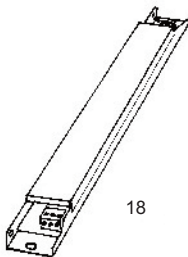
Electronic H.F. Ballasts



No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
16	BCS18.1-2LS-01	1/2x18 CL	150	42	30	DEL/TEL	10095044
16	BCS21.1-2LS-01	1/2x10/16 CL 1/2x9-13 T5 1/2x14 T5 1x21	150	42	30	TCS/TCD/TCT	10095043
16	BCS28.1LS-01	30 T8 28 2D	150	42	30		10097426
16	BCS38.1LS-01	36 T8 38 2D 36 CL	150	42	30	TCL/F	10097427
16	BCS42.1/26.2LS-01	1/2x15/18 T8 1/2x18/24/26 CL 1/2x22 T5C 1/2x24 T5 1x40 T12 1x40 T5C 1x39 T5 1x36/38 T8 1x32/42 CL	150	42	30	TCL/F also TCL TC/TEL	10095045
17	SCS14.2S-03	2x8/13 T5 2x14 T5 2x10 2D 2x7/9 CL 2x11/13 CL	240	30	30		10013426
17	SCS26.2SU-01	2x18/24/26 CL	240	30	30		10027392

BAG Electronics

Electronic H.F. Dimming Ballasts



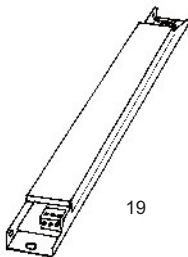
T8/TCL
1-10V DC control

No.	Catalogue Number	Lamp	Size			Detail		
			L	W	H			
18	BCD18.1F-01/1-10V	1x18/30	T8	360	30	21	1-10V	10097143
18	BCD36.1F-01/1-10V	1x36 1x36/40	T8 CL	360	30	21	1-10V TCF/TCL	10097144
18	BCD58.1F-01/1-10V	1x58	T8	360	30	21	1-10V	10097145
18	BCD18.2F-01/1-10V	2x18/30	T8	425	30	21	1-10V	10097193
18	BCD36.2F-01/1-10V	2x36 2x36/40	T8 CL	425	30	21	1-10V TCF/TCL	10097194
18	BCD58.2F-01/1-10V	2x58	T8	425	30	21	1-10V	10097195
18	BCD55.1F-01/1-10V	1x55	TCL	360	30	21	1-10V	10097079
18	BCD55.2F-01/1-10V	2x55	TCL	425	30	21	1-10V	10097089
18	BCD18.3-4F-01/1-10V	3x24 3/4x18 3/4x18	T5 T8 TCL	360	39	21	1-10V	10097171

Dimming range 1-100%
Dimming control 1-10V DC

BAG Electronics

Electronic H.F. Dimming Ballasts



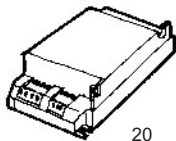
19

T5/TCL
1-10V DC control

No.	Catalogue Number	Lamp	Size			Detail		
			L	W	H			
19	BCD35.1F-01/1-10V	1x14/21/28/35	T5	360	30	21	1-10V	10097244
19	BCD39.1F-01/1-10V	1x24/39	T5	360	30	21	1-10V	10097246
19	BCD49.1F-01/1-10V	1x49	T5	360	30	21	1-10V	10097247
19	BCD54.1F-01/1-10V	1x54	T5	360	30	21	1-10V	10097248
19	BCD80.1F-01/1-10V	1x80	T5	360	30	21	1-10V	10097249
19	BCD35.2F-01/1-10V	2x14/21/28/35	T5	425	30	21	1-10V	10097294
19	BCD39.2F-01/1-10V	2x24/39	T5	425	30	21	1-10V	10097296
19	BCD49.2F-01/1-10V	2x49	T5	425	30	21	1-10V	10097297
19	BCD54.2F-01/1-10V	2x54	T5	425	30	21	1-10V	10097298
19	BCD80.2F-01/1-10V	2x80	T5	425	30	21	1-10V	10097299
19	BCD14.3F-01/1-10V	3x14	T5	360	39	21	1-10V	10097281
19	BCD14.4F-01/1-10V	4x14	T5	360	39	21	1-10V	10097291

BAG Electronics

Electronic H.F. Dimming Ballasts



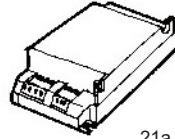
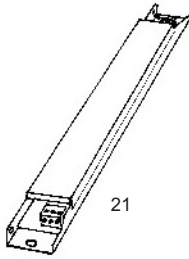
20

CL
1-10V DC control

No.	Catalogue Number	Lamp	Size			Detail		
			L	W	H			
20	BCD13.1-2Q-01/1-10V	1/2x13	CL	103	67	30	1-10V	10096393
20	BCD18.1-2Q-01/1-10V	1/2x18	CL	103	67	30	1-10V	10096385
20	BCD57.1/32.2Q-01/1-10V	1/2x15-36 1/2x18-24 1x40/42/57 1/2x26/32 1/2x22/40 1/2x24 1x39	T8 TCL TCL CL T5C T5 T5	103	67	30	1-10V	10096387
20	BCD42.2Q-01/1-10V	2x26/32/42	CL	123	99	33	1-10V	10097580
20	BCD36.2Q-01/1-10V	2x36	TCL	103	67	30	1-10V	10096326
20	BCD55.1Q-01/1-10V	1x55	T5C	103	67	30	1-10V	10096388

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Electronic H.F. Dimming Ballasts



DALI

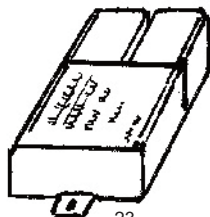
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
21	MLD39.1FR-11/DALI	1x14/21/24/39 T5 1x18/24/40 TCL/TCF	360	30	21	DALI 10097811
21	MLD39.2FR-11/DALI	2x14/21/24/39 T5	360	30	21	DALI 10092117
21	MLD54.1FR-11/DALI	1x28/35/49/54 T5	360	30	21	DALI 167192
21	MLD54.2FR-11/DALI	2x28/35/49/54 T5	360	30	21	DALI 10092121
21	MLD80.1FR-11/DALI	1x35/49/80 T5	360	30	21	DALI 166672
21a	BCD18.1-2Q-01/DALI	1/2x18 CL	103	67	30	DALI 10096395
21a	BCD57.1/32.2Q-01/DALI	1/2x15-36 T8 1/2x18-24 CL 1x40 TCL 1/2x26/32 CL 1/2x22/40 T5C 1/2x24 T5 1x39 T5	103	67	30	DALI 10096397

BAG Electronics

HID Electronic Control Gear



22
Aluminium case
Built in ballast
Easy assembly push in terminals



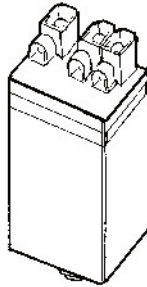
23
Plastic housing
Covered terminals

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
22	HES35.1QS-11	35	MH	110	75	32	1.5m max. distance to lamp
22	HES50.1QS-11	50 (Philips)	MH	110	75	32	1.5m max. distance to lamp
22	HES70.1QS-11	70	MH	110	75	32	1.5m max. distance to lamp
22	HES150.1QS-11	150	MH	135	75	32	1.5m max. distance to lamp
23	HES35.1QI-11	35	MH	160	78	36	1.5m max. distance to lamp
23	HES50.1QI-11	50 (Philips)	MH	160	78	36	1.5m max. distance to lamp
23	HES70.1QI-11	70	MH	160	78	36	1.5m max. distance to lamp

Both items are for indoor use only

PCB versions available on request

Dimmable versions available on request

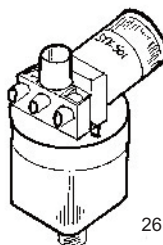
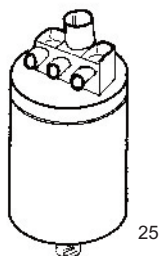


24

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
24	NI70S 4K	35/50/70	HPS	88	36	32	SIP
24	NI70S 4K-TU	35/50/70	HPS	88	36	32	SIP Digital Timer
24	NI400 LE 4K	100-400 70-400 35-400	HPS MH HI-CE	88	36	32	SIP
24	NI400 LE 4K-TU	100-400 70-400 35-400	HPS MH HI-CE	88	36	32	SIP Digital Timer
24	NI1000 LE	400-1000 400-1000	MH HPS	97	48	38	SIP

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Electronic Ignitors

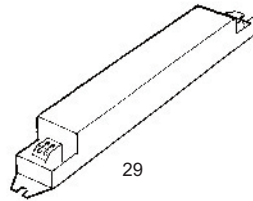


No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
25	MZN150SE CM	100-150 70-150 35-150	HPS MH HI-C	75	35	Ø	SIP
25	MZN400SE	100-400 70-400 35-400	HPS MH HI-C	84	35	Ø	SIP
25	MZN400SU	100-400 70-400 35-400	HPS MH HI-C	97	51	Ø	SIP
25	MZN400S-TU	35-400 70-400 35-400	HPS MH HI-C	88	45	Ø	SIP Timed Cutout
25	MZN2000S380	1000 1000-2000	HPS MH	93	51	Ø	SIP 415V
25	MZN2000S380-TU	1000 1000-2000	HPS MH	100	51	Ø	SIP 415V Timed Cutout
26	SE15/7U	400/1000 575/1000 575/1200 200/1200 250/400	CSI CID MSI HMI HTI	146	51	Ø	SIP with starter (240V)

27 : LED2000 lightsource. green LED
galvanised zinc casing. IP20
polycarbonate lens
open area use

28 : as above
escape route version

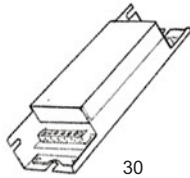
both luminaires locked into position
with a spring clip



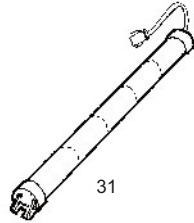
LED

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
27	LED2HUOW	100 lm output	37.5	25	Ø	Open area LED with trim and clip
28	LED2HUEW	100 lm output	35	24	Ø	Escape route LED with trim and clip . Both require 18mm Ø hole
29	LED2NM3D	LED module 350mA charge current	117	25	22	Electronic control module Requires BTF114 battery for above
-	BTF114	1.2v 2 cell NIMH battery	121	28	21	2 cell stick NIMH
-	LED2/NM3D/S	Control Gear	130	54	54	Remote box including battery & connectors

Emergency Lighting Kits

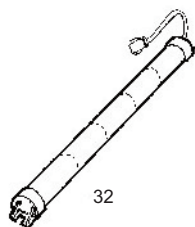


30



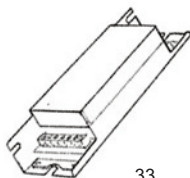
31

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
30/31	ZT3.E/A	4-13 15-36 20 T5 T8/T12 U-tube	215	38	29	kit c/w 3 cell battery NICD
30/31	ZT3.E/B	14 10/16 5-18 T5 2D CL	215	38	29	kit c/w 3 cell battery NICD
30/31	ZT3.F/A	4-13 15-58 20/40 T5 T8/T12 U-tube	215	38	29	kit c/w 4 cell battery NICD
30/31	ZT3.F/B	14/21/24 10/16/21/28 10-26 T5 2D CL	215	38	29	kit c/w 4 cell battery NICD
30/31	ZT3.F/C	24-40 TCL	215	38	29	kit c/w 4 cell battery NICD
30/31	ZT3.G/A	4-13 15-70 20/40 T5 T8/T12 U-tube	215	38	29	kit c/w 5 cell battery NICD
30/31	ZT3.G/B	28/49 28/38 40 T5 2D T-R5	215	38	29	kit c/w 5 cell battery NICD
30/31	ZT3.G/C	39/54 40 T5 TCL	215	38	29	kit c/w 5 cell battery NICD
30/31	ZT3.H/A	4-13 15-100 T5 T8/T12	215	38	29	kit c/w 6 cell battery (2x3 cell) NICD
30/31	ZT3.H/B	80 32/42 55/80 55 T5 CL TCL 2D	215	38	29	kit c/w 6 cell battery (2x3 cell) NICD
30/31	ZT3.H/C	35 T5	215	38	29	kit c/w 6 cell battery (2x3 cell) NICD

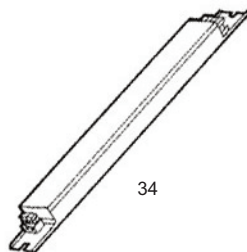


32

NICD



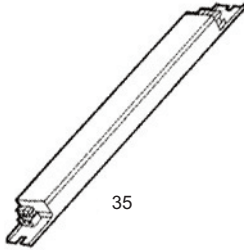
33



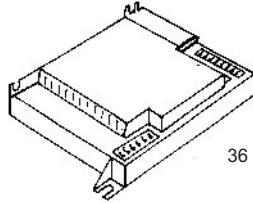
34

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
32/33	ZV3.E/A	4-13 18-36	T5 T8	155	42	30	kit c/w 3 cell battery switch start circuits
32/33	ZV3.E/B	5-18 10/16	CL 2D	155	42	30	kit c/w 3 cell battery switch start circuits
32/33	ZV3.F/A	4-13 18-58	T5 T8/T12	155	42	30	kit c/w 4 cell battery switch start circuits
32/33	ZV3.F/B	10-26 10/16/21/28 22	CL 2D TR5	155	42	30	kit c/w 4 cell battery switch start circuits
32/33	ZV3.G/A	4-13 18-70	T5 T8/T12	155	42	30	kit c/w 5 cell battery switch start circuits
32/34	ZW3.E/B	14	T5	295	29	21	kit c/w 3 cell battery H.F. circuits
32/34	ZW3.F/B	14/21/24 22	T5 T5C	295	29	21	kit c/w 4 cell battery H.F. circuits
32/34	ZW3.G/B	28/49 40	T5 T5C	295	29	21	kit c/w 5 cell battery H.F. circuits
32/34	ZW3.G/C	39/54	T5	295	29	21	kit c/w 5 cell battery H.F. circuits
32/34	ZW3.H/B	80 55/60	T5 T5C	295	29	21	kit c/w 6 cell battery H.F. circuits
32/34	ZW3.H/C	35	T5	295	29	21	kit c/w 6 cell battery H.F. circuits

Emergency Lighting Kits



35



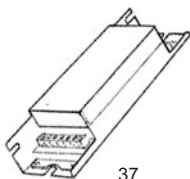
36

Combined HF and emergency kits

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
35	XCU136.3E	1x36	T8	424	42	28	c/w 3 cell battery
35	XCU158.3F	1x58	T8	424	42	28	c/w 4 cell battery
35	XCU170.3G	1x70	T8	424	42	28	c/w 5 cell battery
35	XCU218.3E	2x18	T8	424	42	28	c/w 3 cell battery
35	XCU236.3E	2x36	T8	424	42	28	c/w 3 cell battery
35	XCU258.3F	2x58	T8	424	42	28	c/w 4 cell battery
35	XCU270.3G	2x70	T8	424	42	28	c/w 5 cell battery
35	XCU255.3F	2x55	TCL	424	42	28	c/w 4 cell battery (2+2)
35	XCU418.3E	3/4x18	T8	424	42	28	c/w 3 cell battery
35	XCU414.3E	3/4x14	T5	424	42	28	c/w 3 cell battery
35	XCU255.3H	2x55	TCL	424	42	28	c/w 6 cell battery
36	XCR121.3E	1x16/21	2D	164	93	35	c/w 3 cell battery
36	XCR128.3E	1x28	2D	164	93	35	c/w 3 cell battery
36	XCR128.3F	1x28	2D	164	93	35	c/w 4 cell battery
36	XCR138.3F	1x38	2D	164	93	35	c/w 4 cell battery
36	XCR213.3E	1/2x10/13	CL	164	93	35	c/w 3 cell battery
36	XCR218.3E	1/2x18	CL	164	93	35	c/w 3 cell battery
36	XCR226.3F	1/2x26	CL	164	93	35	c/w 4 cell battery

Modules only are available on request.

-	XHF21.3E	1x16/21	2D	165	145	38	Retrofit gear tray c/w battery
-	XHF28.3F	1x28	2D	165	145	38	Retrofit gear tray c/w battery
-	XHF38.3F	1x38	2D	165	145	38	Retrofit gear tray c/w battery



37

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
37	XT.CB/50	4-80 22-60 18-70 100 5-80 16-55	T5 T5C T8 T12 CL 2D	230	43	28	50V AC/DC Central Battery
37	XT.CB/110	4-80 22-60 18-70 100 5-80 16-55	T5 T5C T8 T12 CL 2D	230	43	28	110V AC/DC Central Battery
37	XK.CB/50	18-70 100 5-26 16-55	T8 T12 CL 2D	155	42	30	50V AC/DC Central Battery
37	XK.CB/110	18-70 100 5-26 16-55	T8 T12 CL 2D	155	42	30	110V AC/DC Central Battery

Continuously rated central battery inverters

37	CR.CB/50	as XT.CB/50	155	42	30	50V AC/DC Central Battery
37	CR.CB/110	as XT.CB/110	155	42	30	110V AC/DC Central Battery

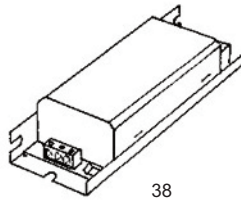
230v Hold off relay inverters

37	HR.CB/50	as XT.CB/50	155	42	30	50V AC/DC Central Battery
37	HR.CB/110	as XT.CB/110	155	42	30	110V AC/DC Central Battery

Change over relay

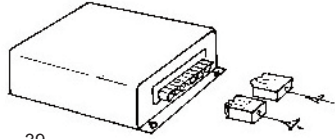
37	SI.230/DIM		155	42	30	change over relay for static inverter systems
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Electronic Ballasts



38

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
38	DKE28	28 2D	110	41	28	(DK28)
38	DKE38	38 2D 36 T8 36 TCL	110	41	28	(DK38)
38	DKE213	2x7/9/11 TCS 2x10/11/13 TCD/PLC 2x6-14 T5 2x10/16 2D	110	41	28	(DK213)



Coolpower Rapid Plug

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
39	RP20-240-GST	20	MH	144	91	37	7m max. distance
39	RP35-240-GST	35	MH	144	91	37	25m max. distance
39	RP70-240-GST	70	MH	144	91	37	25m max. distance
39	RP100-240-GST	100	MH	144	91	37	25m max. distance
39	RP150-240-GST	150	MH	144	91	37	25m max. distance

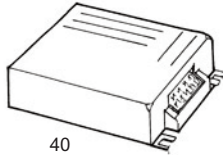
the above are for indoor operation

Suitable for CMH CDM HCI and ColorARC lamps

For outdoor operation ballasts, use the above part number plusCC

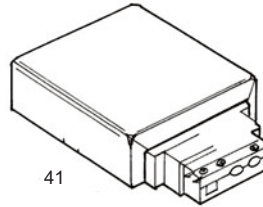
Mains in plug - GST18/3 male
Mains out plug - GST18/3 female

Electronic Ballasts - H.I.D.



40

B version



41

C version
terminal cover & cable
clamp

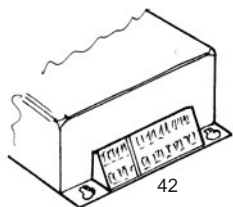
Coolpower

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
40	CPE20-240-B	20	MH/HPS	116	77	32	Max distance 7m
40	CPE35-240-B	35	MH/HPS	116	77	32	15m
40	CPE50-240-B	50	MH/HPS	116	77	32	25m
40	CPE70-240-B	70	MH/HPS	116	77	32	25m
41	CPE20-240-C	20	MH/HPS	146	77	32	terminal cover 7m
41	CPE35-240-C	35	MH/HPS	146	77	32	terminal cover 15m
41	CPE50-240-C	50	MH/HPS	146	77	32	terminal cover 25m
41	CPE70-240-C	70	MH/HPS	146	77	32	terminal cover 25m
40	CPE35-240-B/CC	35	MH/HPS	116	77	32	weatherproof 15m
40	CPE50-240-B/CC	50	MH/HPS	116	77	32	weatherproof 25m
40	CPE70-240-B/CC	70	MH/HPS	116	77	32	weatherproof 25m
41	CPE35-240-C/CC	35	MH/HPS	146	77	32	terminal cover. weatherproof 15m
41	CPE50-240-C/CC	50	MH/HPS	146	77	32	terminal cover. weatherproof 25m
41	CPE70-240-C/CC	70	MH/HPS	146	77	32	terminal cover. weatherproof 25m

CC denotes conformal coating for exterior applications.

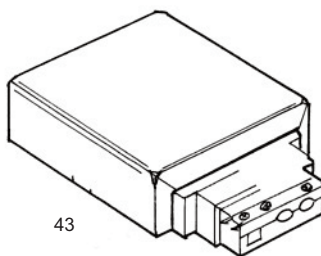
as 41	MICRO20-240-C	20	MH	153	48	32	coolpower - micro
as 41	MICRO35-240-C	35	MH	153	48	32	coolpower - micro

CC denotes conformal coating for exterior applications.



42

B version



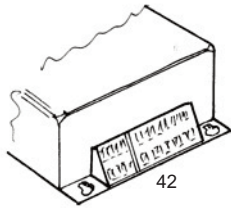
43

C version

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
42	HPIDD50-240-B	50 MH/HPS	144	91	37	up to 25M
42	HPIDD70-240-B	70 MH/HPS	144	91	37	up to 25M
42	HPIDD100-240-B	100 MH/HPS	144	91	37	up to 25M
42	HPIDD150-240-B	150 MH/HPS	144	91	37	up to 25M
43	HPIDD50-240-C	50 MH/HPS	171	91	37	terminal cover up to 25M
43	HPIDD70-240-C	70 MH/HPS	171	91	37	terminal cover up to 25M
43	HPIDD100-240-C	100 MH/HPS	171	91	37	terminal cover up to 25M
43	HPIDD150-240-C	150 MH/HPS	171	91	37	terminal cover up to 25M
42	HPIDD50-240-B-CC	50 MH/HPS	144	91	37	conformal coating
42	HPIDD70-240-B-CC	70 MH/HPS	144	91	37	conformal coating
42	HPIDD100-240-B-CC	100 MH/HPS	144	91	37	conformal coating
42	HPIDD150-240-B-CC	150 MH/HPS	144	91	37	conformal coating
43	HPIDD50-240-C-CC	50 MH/HPS	171	91	37	term. cover conformal coating
43	HPIDD70-240-C-CC	70 MH/HPS	171	91	37	term. cover conformal coating
43	HPIDD100-240-C-CC	100 MH/HPS	171	91	37	term. cover conformal coating
43	HPIDD150-240-C-CC	150 MH/HPS	171	91	37	term. cover conformal coating
42	HPIDD70-240-B-SD	70 MH/HPS	144	91	37	switch dim
42	HPIDD100-240-B-SD	100 MH/HPS	144	91	37	switch dim
42	HPIDD150-240-B-SD	150 MH/HPS	144	91	37	switch dim
43	HPIDD70-240-C-SD	70 MH/HPS	171	91	37	term. cover switch dim
43	HPIDD100-240-C-SD	100 MH/HPS	171	91	37	term. cover switch dim
43	HPIDD150-240-C-SD	150 MH/HPS	171	91	37	term. cover switch dim

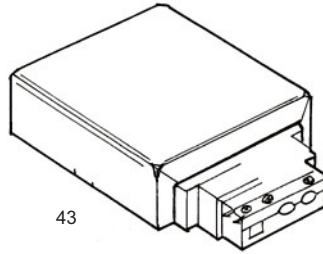
The switch dim (SD) units are available on request.

Electronic Ballasts - H.I.D.



42

B version



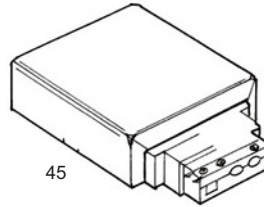
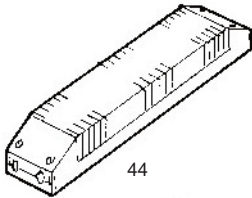
43

C version

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
42	HPIDD50-240-B-SN	50 HPS/MH	144	91	37	smartnight dimming
42	HPIDD70-240-B-SN	70 HPS/MH	144	91	37	smartnight dimming
42	HPIDD100-240-B-SN	100 HPS/MH	144	91	37	smartnight dimming
42	HPIDD150-240-B-SN	150 HPS/MH	144	91	37	smartnight dimming
43	HPIDD50-240-C-SN	50 HPS/MH	171	91	37	smartnight dimming
43	HPIDD70-240-C-SN	70 HPS/MH	171	91	37	smartnight dimming
43	HPIDD100-240-C-SN	100 HPS/MH	171	91	37	smartnight dimming
43	HPIDD150-240-C-SN	150 HPS/MH	171	91	37	smartnight dimming

Accessories to suit : Branch Node LCBN-868A
 Leaf Node LCLN-868A
 NEMA Node LCNN868A
 MAG Node WMMN868A
 Handheld on site tester - Node Sniffer

Please contact our sales office for prices & availability of these special units.

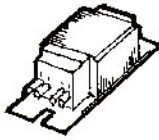


No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
45	CLQ2.....	various	variable			CLQ twin output
44	CL.....B/C	various	variable			CL switchable
44	CL.....A/B/C	various	variable			CL standard
45	CLQ21.....B/C	various	variable			CLQ standard output
44	CLV12/24	various	variable			PSU constant voltage
44	CL.....A/B/C	various	variable			CL phase dimmable
44	CL.....UNIA/B/C	various	variable			CL switchable universal
45	CLQ.....UNIB/C	various	variable			CLQ twin output
45	CLQ.....B/C	various	variable			CLQ single output
44	CL.....A/B/C	various	variable			CL low power LED driver
44	CL.....A/B/C	various	variable			CL high power LED driver
44	CL.....DALI	various	variable			CL dimmable 1-10V DALI
44	CL.....F/ABC	various	variable			Up to 40W with fan output

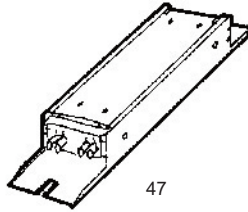
the above are all LED driver ranges. Please enquire with our sales office for specific products in each range.

See separate LED PRODUCT CATALOGUE

Switch Start Chokes

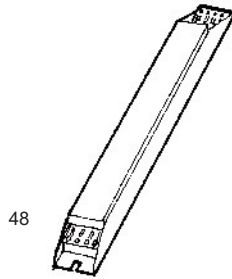


46



47

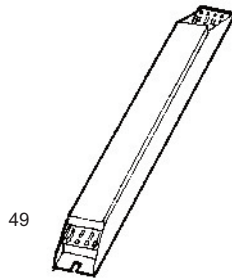
No.	Catalogue Number	Lamp		Size			Detail	Cap.
		Linear	Compact	L	W	H		
46	L8D	4-8		85	41.5	28		2
46	L11D		5-11 CL	85	41.5	28		2
46	L13D	13	10-13 CL	85	41.5	28	also 2x6-8W T5	2
46	L16D		16 2D	85	41.5	28		2
47	L15A	15		150	42	28		4
47	L18A-K	18-20	18-28	150	42	28		4
47	L30A	30		150	42	28	also 2x15W	4
47	L36A-K	36-40	36-40	150	42	28	also 2x18W	4
47	L58A-K	58-65		190	42	28		6
47	L75A-S	70-75		190	42	28		6
47	L100TE8	100/125		230	42	28	125W lamp 7.2mfd	10



NGN ES ranges

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
48	EL1X18NGN	1x18	T8	280	30	28	
48	EL1X36NGN	1x36	T8	280	30	28	
48	EL1X58NGN	1x58	T8	280	30	28	
48	EL2X18NGN	2x18	T8	280	30	28	
48	EL2X36NGN	2x36	T8	280	30	28	
48	EL2X58NGN	2x58	T8	280	30	28	
48	EL3/4X18NGN	3/4x18	T8	280	30	21	4 lamp , 11 terminals
48	EL4X18NGN	4x18	T8	280	30	28	4 lamp , 10 terminals
48	EL2X36ES	2x36	T8	280	30	28	energy saver
48	EL2X58ES	2x58	T8	280	30	28	
48	EL4X18ES	4x18	T8	280	30	28	10 terminals

Electronic HF Ballasts - T8/TCL

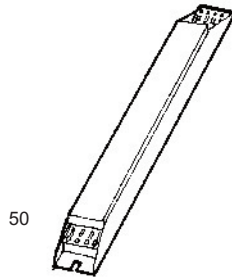


S range

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
49	EL1X18S	1x18	T8	280	30	21	
49	EL1X36/40/18S	1x36	T8	280	30	21	18 & 40 TCL
49	EL1X36/40SU	1x36	T8	280	30	21	40 TCL
49	EL1X58S	1x58	T8	280	30	21	
49	EL1X58SU	1x58	T8	280	30	21	
49	EL1X70S	1x70	T8	280	30	21	
49	EL2X18S	2x18	T8	360	30	21	
49	EL2X36/40S	2x36	T8	360	30	21	40 TCL
49	EL2X36/40SU	2x36	T8	360	30	21	40 TCL
49	EL2X58S	2x58	T8	360	30	21	
49	EL2X58SU	2x58	T8	360	30	21	
49	EL2X70S	2x70	T8	360	30	21	
49	EL3/4X18S	3/4x18	T8	360	30	21	12 terminals
49	EL3/4X18SU	3/4x18	T8	280	30	21	11 terminals

SU ballasts have both IDC and push in terminals.

S range available while stocks last

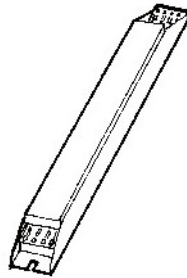


NGN5 range T5/TCL

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
50	EL1X14-35NGN5	1x14/21/28/35	T5	190	30	21	
50	EL1X24NGN5	1x24	T5	190	30	21	also 24 TCL
50	EL1X39/36NGN5	1x39	T5	190	30	21	also 36 TCL
50	EL1X49NGN5	1x49	T5	190	30	21	
50	EL1X54NGN5	1x54	T5	190	30	21	
50	EL1X80NGN5	1x80	T5	280	30	21	also 80 TCL
50	EL2X14-35NGN5	2x14/21/28/35	T5	280	30	21	
50	EL2X24NGN5	2x24	T5	280	30	21	also 24 TCL
50	EL2X39/36NGN5	2x39	T5	280	30	21	also 36 TCL
50	EL2X49NGN5	2x49	T5	280	30	21	
50	EL2X54NGN5	2x54	T5	280	30	21	
50	EL2X80NGN5	2x80	T5	360	30	21	also 80 TCL
50	EL3/4X14NGN5	3/4x14	T5	280	30	21	
50	EL4X14NGN5	4x14	T5	280	30	21	
50	EL3/4X24NGN5	3/4x24	T5	280	30	21	also 24 TCL
50	EL1X55NGN5	1x55	TCL	280	30	21	
50	EL2X55NGN5	2x55	TCL	360	30	21	

Electronic HF Ballasts - TCL/T5

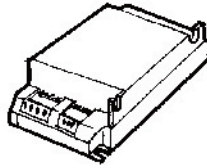
51



-S -SU ranges
Compact lamps T5

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
51	EL1X36/40/18S	1x18/40	TCL	280	30	21	also T8
51	EL1X24S	1x24	TCL	280	30	21	also T5
51	EL1X39/36S	1x36/39	TCL	280	30	21	also 39 T5
51	EL1X55S	1x55	TCL	280	30	21	
51	EL1X80S	1x80	TCL	280	30	21	also T5
51	EL2X24S	2x24	TCL	360	30	21	also T5
51	EL2X39/36S	2x36/39	TCL	360	30	21	also 39 T5
51	EL2X36/40S	2x36/40	TCL	360	30	21	also T8
51	EL2X55S	2x55	TCL	360	30	21	
51	EL1X14-35S	1x14/21/28/35	T5	280	30	21	also 26/28 TCL
51	EL2X14-35S	2x14/21/28/35	T5	280	30	21	also 26/28 TCL
51	EL1X36/40S-U	1x18/40	TCL	280	30	21	
51	EL2X36/40S-U	2x18/40	TCL	360	30	21	
51	EL2X80S-U	2x80	TCL	360	30	21	

S range available while stocks last



52

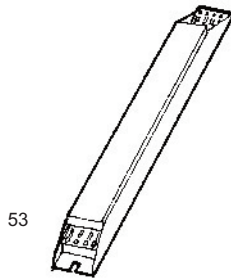
Compact lamps

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
52	EL1/2X9-13TCS	1x10/16 1x14/21/28 1/2x9/10/11/13	2D T5 CL	103.5	67	28	
52	EL1/2X14/17TCS	1/2x14/17	PL-R	103	67	28	
52	EL1/2X18-42TCS	1x21/28/38 1x22/40 1/2x18/24/36 1/2x18/26/32/42 1x57	2D T5C TCL/F CL CL	103	67	28	also 2 x 38 2D also 1 x 40 TCL

Dimming Ballasts - DALI

52	EL1/2X18/24iDIM-C	1/2x18/24 1x22/40	TCL T5C	123	79	28	DALI control
52	EL1/2X26-42iDIM-C	1/2x26/32/42 1x57	CL CL	123	79	28	DALI control

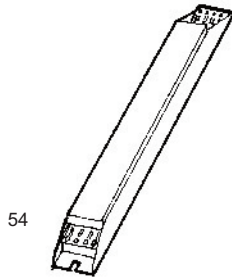
Electronic HF Ballasts - T5/T8/TCL - Dimmable



53

1-10V and switch control

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
53	EL1X18SC	1x18 T8	360	30	21	1-100%
53	EL1X36SC	1x36 T8/TCL	360	30	21	1-100%
53	EL1X58SC	1x58 T8	360	30	21	1-100%
53	EL1X70SC	1x70 T8	360	30	21	1-100%
53	EL2X18SC	2x18 T8	430	30	21	1-100%
53	EL2X36SC	2x36 T8/TCL	430	30	21	1-100%
53	EL2X58SC	2x58 T8	430	30	21	1-100%
53	EL4X18SC	4x18 T8	430	30	21	3-100%
53	EL1X14SC	1x14 T5	360	30	21	1-100%
53	EL1X21SC	1x21 T5	360	30	21	1-100%
53	EL1X24SC	1x24 T5/TCL	360	30	21	1-100%
53	EL1X28SC	1x28 T5	360	30	21	1-100%
53	EL1X35SC	1x35 T5	360	30	21	1-100%
53	EL1X39SC	1x39 T5	360	30	21	40 TCL 1-100%
53	EL1X49SC	1x49 T5	360	30	21	1-100%
53	EL1X54SC	1x54 T5	360	30	21	1-100%
53	EL1X80SC	1x80 T5/TCL	360	30	21	1-100%
53	EL2X14SC	2x14 T5	430	30	21	1-100%
53	EL2X21SC	2x21 T5	430	30	21	1-100%
53	EL2X24SC	2x24 T5/TCL	430	30	21	1-100%
53	EL2X28SC	2x28 T5	430	30	21	1-100%
53	EL2X35SC	2x35 T5	430	30	21	1-100%
53	EL2X39SC	2x39 T5/TCL	430	30	21	40 TCL 1-100%
53	EL2X49SC	2x49 T5	430	30	21	1-100%
53	EL2X54SC	2x54 T5	430	30	21	1-100%
53	EL4X14SC	4x14 T5	430	30	21	3-100%
53	EL1X55SC	1x55 TCL	360	30	21	3-100%
53	EL2X55SC	2x55 TCL	430	30	21	3-100%

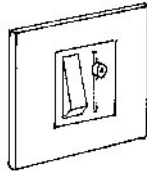


54

DALI and switch control

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
54	EL1X36iDIM	1x36 T8	360	30	21	36 TCL DALI control
54	EL2X36iDIM	2x36 T8	430	30	21	36 TCL DALI control
54	EL1X14-35iDIM	1x14/21/28/35 T5	360	30	21	26 TCL DALI control
54	EL1X24iDIM	1x24 T5/TCL	360	30	21	DALI control
54	EL1X49iDIM	1x49 T5	360	30	21	DALI control
54	EL1X54iDIM	1x54 T5	360	30	21	DALI control
54	EL1X80iDIM	1x80 T5/TCL	360	30	21	DALI control
54	EL2X14-35iDIM	2x14/21/28/35 T5	430	30	21	26 TCL DALI control
54	EL2X24iDIM	2x24 T5/TCL	430	30	21	DALI control
54	EL2X49iDIM	2x49 T5	430	30	21	DALI control
54	EL2X54iDIM	2x54 T5	430	30	21	DALI control
54	EL2X80iDIM	2x80 T5/TCL	430	30	21	DALI control
54	EL3X14iDIM	3x14 T5	430	30	21	3-100% / DALI
54	EL4X14iDIM	4x14 T5	430	30	21	3-100% / DALI
54	EL1X55iDIM	1x55 TCL	360	30	21	DALI control
54	EL2X55iDIM	2x55 TCL	430	30	21	DALI control

DALI & Dimming Controllers



55

1-10V

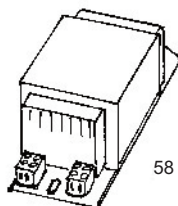
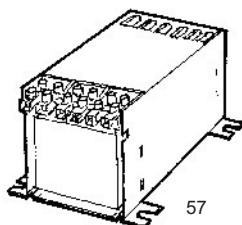
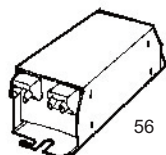
No.	Catalogue Number	Size			Detail
		L	W	H	
55	TK4	88	88	32	switches up to 20 EL...SC ballasts
-	MIMO2				control up to 15 ballasts. Automatic daylight control
-	iDIMSOLO	403			interface module
-	iDIMSENSE	315			system and stand alone detector
-	iDIMSENSE	316			stand alone detector
-	DIGIDIM INFRARED	303			remote control
-	DIGIDIM MULTI SENSOR	312			sensor
-	DIGIDIM POWER SUPPLY	401			power supply up to 250MA wall mounted
-	DIGIDIM POWER SUPPLY	402			power supply up to 250MA
-	DIGIDIM 16A DIMMER	416			leading edge 16A thyristor dimmer
-	DIGIDIM 25A DIMMER	425			leading edge 25A thyristor dimmer
-	DIGIDIM INPUT	440			interface
-	DIGIDIM INTERFACE	441			prewired occupancy detector
-	DIGIDIM 500W DIMMER	455			leading edge 500W dimmer
-	DIGIDIM 8 CHANNEL DIMMER	458			8 channel thyristor dimmer
-	DIGIDIM 4 CHANNEL DIMMER	458/DIM4			4 channel thyristor dimmer
-	DIGIDIM 8 CHANNEL DIMMER	458/DIM8			8 channel thyristor dimmer
-	DIGIDIM 8 CHANNEL SWITCH	458/SW8			8 relay channel
-	DIGIDIM S DIM	460			converter for ambience & imagine dimmer
-	DIGIDIM 1-10V DSI	472			1-10V converter for DSI
-	DIGIDIM BLINDS	490			blinds & curtains incorporation
-	DIGIDIM RELAY	494			interface
-	DIGIDIM AV RS232	503			DIN mounted device
-	DIGIDIM ROUTER	910			ethernet connection
-	IMAGINE 942	942			input unit
-	HES92020				thyristor dimmer
-	HES92220				thyristor dimmer
-	HES98020				control module
-	HES98180				1x16A changeover relay
-	HES98280				2x10A contacts

The above are the popular units. Please enquire about the full range.

41

Telephone : 01785 817123
 Fax : 01785 817120

e-mail : sales@touchstonelighting.co.uk
 web : www.touchstonelighting.co.uk

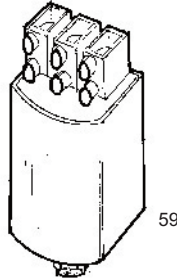


No.	Catalogue Number	Lamp	Size			Detail	Cap.
			L	W	H		
56	E50LU	50 HPMV	114	54	46		6
56	E80LU	80 HPMV	114	54	46		8
56	E125LU	125 HPMV	114	54	46		10
56	E125/80LU	125/80 HPMV	114	54	46		10/8
57	E250F	250 HPMV	104	90	85		20
57	E400F	400 HPMV	104	90	85		25
56	NK35LUS	35 SDW/HPS	114	54	46		6
56	NK50LUS	50 SDW/HPS	114	54	46		8
56	NK100LUS	100 SDW/HPS	114	54	46		16
56	NK50LUP	50 HPS	114	54	46		8
56	NK70LUP	70 HPS/MH	114	54	46		12
56	NK70/50LU	70/50 HPS	114	54	46		12/8
56	NK100LUP	100 HPS/MH	114	54	46		12
58	NK150SEP	150 HPS/MH	145	69	53		20
58	NK250FP	250 HPS/MH	104	70	85		32
58	NK400FP	400 HPS/MH	135	70	85		45
58	NK400TEP	400 HPS/MH	160	69	53	now obsolete	45

Electronic ballasts for HI lamps on request

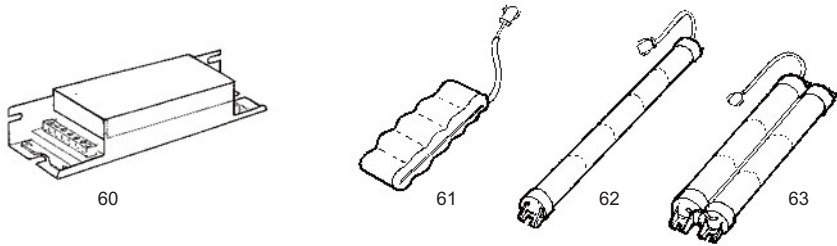
EP1X20h
 EP1X35h
 EP1X50h
 EP1X70h
 EP1X100h
 EP1X150h

Electronic Ignitors



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
59	L-70	35-70 HPS	88	34	28	
59	L-150	70-150 HPS 35-150 MH	88	34	28	
59	HI-400S	70-400 HPS 35-400 MH	92	38	32	
59	L-1000	70-1000 HPS 35-1000 MH	108	55	43	

Ignitors with timed cut-out on request



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
60/62	HRN3 KIT	4-36	165	45	29	c/w 3 cell stick battery
60/62	HRN4 KIT	4-58	165	45	29	c/w 4 cell stick battery
60/62	HRN5 KIT	4-70	165	45	29	c/w 5 cell stick battery
60/63	HRN6 KIT	4-100	165	45	29	c/w 6 cell (2X3) battery
60/63	HRN6/55L KIT	55W PLL	165	45	29	c/w 6 cell (2X3) battery

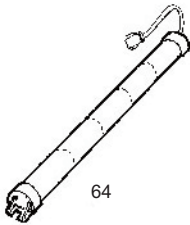
Kits are supplied with a module , 500mm green LED , battery pack c/w AMP connector

T5 14-80W are not suitable for the above

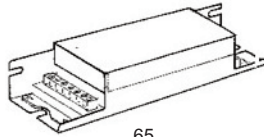
Kits can be supplied with a side by side pack (Type 2)

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
60	HRN3/MOD ONLY	4-36	165	45	29	module only
60	HRN4/MOD ONLY	4-58	165	45	29	module only
60	HRN5/MOD ONLY	4-70	165	45	29	module only
60	HRN6/MOD ONLY	4-100	165	45	29	module only
60	HRN6/55L/MOD ONLY	55W PLL	165	45	29	module only
62	2/CD45/S/AS	-	163	37	37	2 cell stick battery NiCd
62	3/CD45/S/AS	-	221	37	37	3 cell stick battery NiCd
62	4/CD45/S/AS	-	280	37	37	4 cell stick battery NiCd
62	5/CD45/S/AS	-	340	37	37	5 cell stick battery NiCd
61	3/CD45/P/AS	-	100	60	35	3 cell battery on plate NiCd
61	4/CD45/P/AS	-	132	60	35	4 cell battery on plate NiCd
61	5/CD45/P/AS	-	165	60	35	5 cell battery on plate NiCd
63	4/CD45/TS/AS	-	2x160	37	37	4 cell twin stick(2X2) NiCd
63	5/CD45/TS/AS	-	F/C 205/105mm			5 cell twin stick(split) 3+2 NiCd
63	6/CD45/TS/AS	-	2x220	37	37	6 cell twin stick(2X3) NiCd

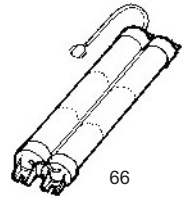
Emergency Lighting Control Gear



64



65



66

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
65/64	HRN/T5/4/14+24 KIT	14/24	T5	165	45	29	c/w 4 cell NiCd stick battery
65/64	HRN/T5/4/21+22 KIT	21 T5	22 T5C	165	45	29	c/w 4 cell NiCd stick battery
65/66	HRN/T5/6/28+54 KIT	28/54	T5	165	45	29	c/w 6 cell NiCd twin stick
65/66	HRN/T5/6/35+49 KIT	35/49	T5	165	45	29	c/w 6 cell NiCd twin stick
65/66	HRN/T5/6/80 KIT	80	T5	165	45	29	c/w 6 cell NiCd twin stick

Kits are supplied with a module , 500mm green LED , battery c/w AMP connector
Only suitable for T5 lamps

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
65	HRN/T5/4/14+24 MOD	14/24	T5	165	45	29	module only
65	HRN/T5/4/21+22 MOD	21 T5	22 T5C	165	45	29	module only
65	HRN/T5/6/28+54 MOD	28/54	T5	165	45	29	module only
65	HRN/T5/6/35+49 MOD	35/49	T5	165	45	29	module only
65	HRN/T5/6/80 MOD	80	T5	165	45	29	module only
64	4/CD45/S/AS	-		280	37	37	4 cell battery stick NiCd
66	6/CD45/TS/AS	-		2x220	37	37	6 cell twin stick(2X3) NiCd

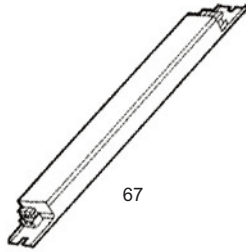
PRA Range for Low Mercury / Amalgam Lamps

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
65/64	PRA/4	18-32	CL	165	45	29	c/w 4 cell NiCd stick battery
65/66	PRA/6/17	14/17	PLR	165	45	29	c/w 6 cell NiCd twin stick
65/66	PRA/6/55	18-55	CL	165	45	29	c/w 6 cell NiCd twin stick
65/66	PRA/6/80	28/38/55	2D	165	45	29	c/w 6 cell NiCd twin stick

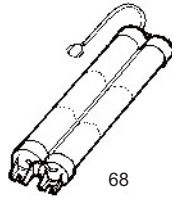
Kits are supplied with a module , 500mm green LED , battery c/w AMP connector

LitePlan

Emergency Lighting Control Gear



67



68

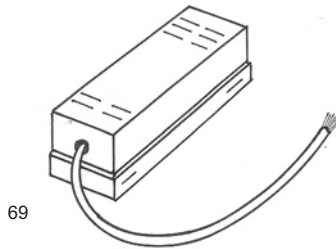
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
67/68	LLS/5 KIT	14/21/24/39	T5	290	30	21	c/w 5 cell NiMH twin battery now obsolete
18/36		T8					
16/28/38/55		2D					
18/24/34/36/40/55		TCL					
18/24/26		TCD					
18/24/26/32/42		TCT					
18/24/36		TCF					
22/40/55		T5C					
67/68	LLS/6 KIT	14-80	T5	300	31	21	c/w 6 cell NiMH twin battery 2x 243 x 22mm dia.
36/58/70		T8					
18		TCD					
18/24/36		TCF					
24-80		TCL					
26/32/42/57		TCT					
28/38/55		2D					

LLS range remote enclosures available on request.

Module only also available on request.

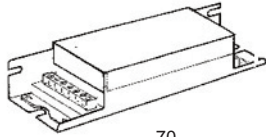
LLS range is specifically designed for low mercury fluorescent lamps

Emergency Lighting Remote Enclosures

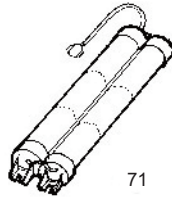


69

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
69	HRN3/R	4-36	240	81	73	ABS enclosure. 0.8m loom	
69	HRN4/R	4-58	240	81	73	ABS enclosure. 0.8m loom	
69	HRN5/R	4-70	240	81	73	ABS enclosure. 0.8m loom	
69	HRN/T5/4/14+24/R	14+24	T5	240	81	73	ABS enclosure. 0.8m loom
69	HRN/T5/4/21+22/R	21 T5	22 T5C	240	81	73	ABS enclosure. 0.8m loom
69	HRN/T5/6/28+54/R	28+54	T5	240	81	73	ABS enclosure. 0.8m loom
69	HRN/T5/6/35+49/R	35+49	T5	240	81	73	ABS enclosure. 0.8m loom
69	PRA/4/R	18-32	CL	240	81	73	ABS enclosure. 0.8m loom
69	PRA/6/17/R	14-17	PLR	240	81	73	ABS enclosure. 0.8m loom
69	PRA/6/55/R	18-55	CL	240	81	73	ABS enclosure. 0.8m loom
		28-55	2D				
-	LLS/5/R	14-55					obsolete
-	LLS/6/R	21-80					obsolete



70



71

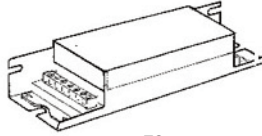
Self Test

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
70/71	VIG/3/8	4-8	230	43	29	c/w 3 cell stick battery	
70/71	VIG/4/13	8-13	230	43	29	c/w 4 cell stick battery	
70/71	VIG/4/28	9-28	230	43	29	c/w 4 cell stick battery	
70/71	VIG/4/58	30-58	230	43	29	c/w 4 cell stick battery	
70/71	VIG/6/70	58-70	230	43	29	c/w 6 cell stick battery	
70/71	VIG/4/14+24	14/24	T5	230	43	29	c/w 4 cell stick battery
70/71	VIG/6/28+54	28/54	T5	230	43	29	c/w 2x3 cell dual stick battery
70/71	VIG/6/35+49	35/49	T5	230	43	29	c/w 2x3 cell dual stick battery

VIG range is for self test systems and is supplied c/w battery and bi-colour (green/red) LED indicator.

Available while stocks last

AC/DC Inverters

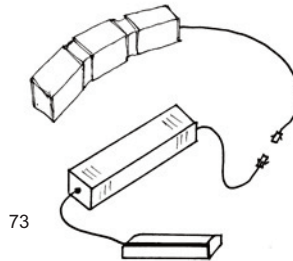


72

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
72	LCB/24/.....	please specify	230	43	29	24V AC/DC
72	LCB/50/.....	please specify	230	43	29	50V AC/DC
72	LCB/110/.....	please specify	230	43	29	110V AC/DC

eg. LCB/50/58/T8 . The lamp type must be specified. (LCB replaces LP.H/CB..... range)

No.	Catalogue Number	Size			Detail
		L	W	H	
-	SI/240/COR	230	43	29	Relay module for 240V static inverter systems
-	SI/NEON/G	155	45	29	Green mains neon indicator



No.	Catalogue Number	Lamp	Aperture Size	Detail
73	ELV/12B/20/NM3	20W 12V	90mm dia. hole	9.6Ah battery
73	ELV/12B/20/M3	20W 12V	105mm dia. hole	9.6Ah battery
73	ELV/12B/50/NM3	50W 12V	90mm dia. hole	19.2Ah battery
73	ELV/12B/50/M3	50W 12V	105mm dia. hole	19.2Ah battery
73	ELV/12B/100/NM3	100W 12V	90mm dia. hole	38.4Ah battery
73	ELV/12B/100/M3	100W 12V	105mm dia. hole	38.4Ah battery

The ELV/12B range is designed to pass through ceiling aperture and is supplied as a split enclosure complete with battery. Full output in emergency mode.

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
-	ELV/12A/35/NM3	35W 12V	380	242	90	battery & module in enclosure
-	ELV/12A/35/M3	35W 12V	380	242	90	battery & module in enclosure
-	ELV/12A/50/NM3	50W 12V	380	242	90	battery & module in enclosure
-	ELV/12A/50/M3	50W 12V	380	242	90	battery & module in enclosure

In emergency mode, full light output is achieved.

For reduced output i.e. 6 volt, use the same catalogue number as above but replace '12' with '6' .
i.e. ELV/6B.....

Kits for apertures of 72mm or 60mm diameter are available on request for 50W lamp.

Conversion Packs

Emergency lighting conversion pack to suit mains voltage lamps i.e. GU10

**Control gear housed in a steel galvanised hinged
enclosure - producing full light output in emergency
mode.**

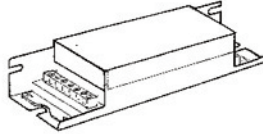
Please request a data sheet.

Mains Voltage Lamp

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
-	MMA/LA/25	up to 25W max.	380	242	90	3 hour unit
-	MMA/LA/40	up to 40W max.	380	242	90	3 hour unit

LED

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
-	MMB/NC/9	9W max. 3Hr	58mm	dia.	hole	now obsolete
-	MMB/NC/10	10W max. 3Hr	58mm	dia.	hole	
-	MMB/LA/20	20W max. 3Hr	90mm	dia.	hole	



74

Constant Current Type

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
74	LCC/3	advise requirements	165	45	29	inc. 3 cell 3.6V battery
74	LCC/4	advise requirements	165	45	29	inc. 4 cell 4.8V battery
74	LCC/5	advise requirements	165	45	29	inc. 5 cell 6.0V battery
74	LCC/6	advise requirements	165	45	29	inc. 6 cell 7.2V battery

(e.g. LCC/3/350KIT) 1-3W 350mA

Constant Voltage Type

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
74	LCV/3	advise requirements	165	45	29	inc. 3 cell 3.6V battery
74	LCV/4	advise requirements	165	45	29	inc. 4 cell 4.8V battery
74	LCV/5	advise requirements	165	45	29	inc. 5 cell 6.0V battery
74	LCV/6	advise requirements	165	45	29	inc. 6 cell 7.2V battery

(e.g. LCV/5/S07KIT) 4W LED strip

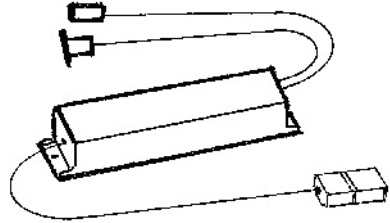
Each kit comprises of :

- LED driver
- 500mm green charge LED indicator and collar
- Nicd batteries
- AMP irreversible battery connector

LED Emergency Range



75



76

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
75	HJT/3/1W	350mA (1or2x1W)	152	26.5	28.4	3 cell NICD 4.0Ah
75	HJT/3/3W	700mA (3W)	152	26.5	28.4	3 cell NICD 4.0Ah

The above are designed for 350-700mA constant current LED

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
76	S-HJT/3/1W	350mA (1W)	152	26.5	28.4	3 cell NICD 4.0Ah
76	S-HJT/3/3W	700mA (3W)	152	26.5	28.4	3 cell NICD 4.5Ah

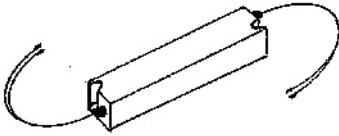
The above are designed for 350-700mA constant current LED
Pre-wired to battery connector / mains lead / lamp connector

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
76	MST/3/3W	700mA (3W)	152	26.5	28.4	3 cell NICD 4.5Ah

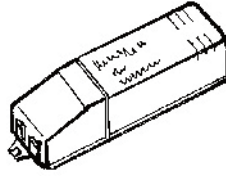
Fully pre-wired and SELF TEST

NDA range of DALI monitored units available on request.

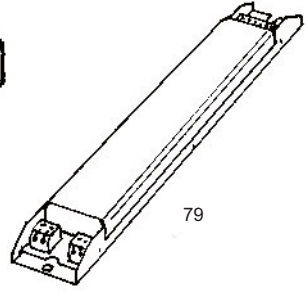
FULL RANGE OF LITEPLAN LED EMERGENCY RECESSED AND SURFACE DEVICES ON REQUEST



77



78



79

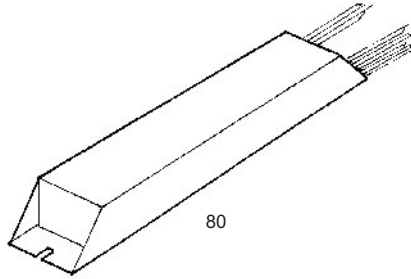
Constant Voltage

No.	Catalogue Number	Lamp	Size			Detail		
			L	W	H			
77	19.010-12	12V	10W	145	25	22	prewired	IP20
77	19.010-24	24V	10W	145	25	22	prewired	IP20
78	18.020-12	12V	20W	131	38	29	covered terminals	IP20
78	18.020-24	24V	20W	131	38	29	covered terminals	IP20
79	18.040-12	12V	40W	242	41	29		IP20
79	18.040-24	24V	40W	242	41	29		IP20

The above are **CONSTANT VOLTAGE**

See separate **LED PRODUCT CATALOGUE**

LED Drivers

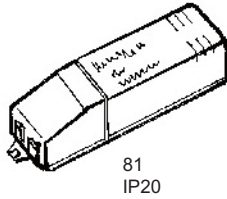


Constant Voltage IP67

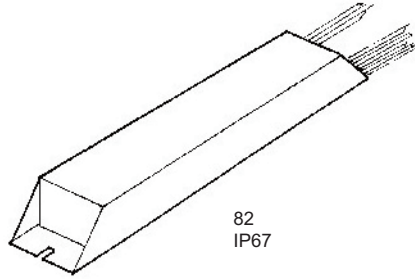
No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
80	19.025-12	12V	25W	180	49	32	IP67
80	19.025-24	24V	25W	180	49	32	IP67
80	19.040-12	12V	40W	310	49	32	IP67
80	19.040-24	24V	40W	310	49	32	IP67
80	19.070-12	12V	70W	330	49	32	IP67
80	19.070-24	24V	70W	330	49	32	IP67
80	19.100-12	12V	100W	380	49	32	IP67
80	19.100-24	24V	100W	380	49	32	IP67
80	19.150-12	12V	150W	240	92	48	IP67
80	19.150-24	24V	150W	240	92	48	IP67

Drivers are pre-wired and 'potted' to IP67.

See separate **LED PRODUCT CATALOGUE**



81
IP20



82
IP67

Constant Current

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
81	18.020-350	350mA	20W	131	38	29	constant current	IP20
81	18.020-500	500mA	20W	131	38	29	constant current	IP20
81	18.020-700	700mA	20W	131	38	29	constant current	IP20

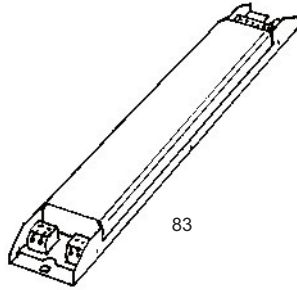
The above are for interior use

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
82	19.020-350	350mA	20W	178	49	32	constant current	IP67
82	19.020-500	500mA	20W	178	49	32	constant current	IP67
82	19.020-700	700mA	20W	178	49	32	constant current	IP67

The above are suitable for exterior use

See separate LED PRODUCT CATALOGUE

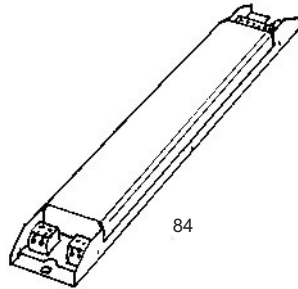
H.F. Electronic Ballasts



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
83	6.136-2	1x15/18/30/36 T8 1x24/39 T5 1x18/24/36 TCL/F	230	40	28	multiwattage 220-240V 50/60Hz
83	6.158-2	1x58 T8 1x54 T5 1x55 TCL	230	40	28	220-240V 50/60Hz
83	6.236-2	1/2x15/18/30/36 T8 1/2x24/39 T5 1/2x18/24/36 TCL/F	230	40	28	multiwattage 220-240V 50/60Hz single or twin lamp
83	6.258-2	1/2x58 T8 1/2x54 T5 1/2x55 TCL	230	40	28	220-240V 50/60Hz single or twin lamp
83	6.418-2	3/4x15/18 T8 3/4x22 T5C 3/4x18 TCL	230	40	28	220-240V 50/60Hz 3 or 4 lamp
83	6.436-2	3/4x18/30/36 T8 3/4x24 T5 3x39 T5 3/4x18/24/36 TCL/F	360	40	28	multiwattage 220-240V 50/60Hz 3 or 4 lamp
83	6.170-3	1x70 T8	230	40	28	220-240V 50/60Hz

110-260V 50/60Hz

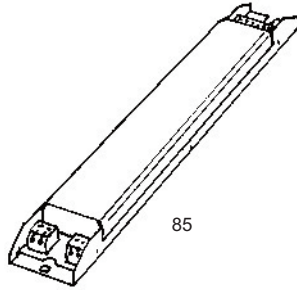
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
83	6.136-4	1x18/30/36 T8	230	40	28	multiwattage 110-260V 50/60Hz
83	6.158-4	1x58 T8	230	40	28	110-260V 50/60Hz
83	6.236-4	1/2x18-36 T8	230	40	28	1 & 2 lamp 110-260V 50/60Hz



84

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
84	5.133-S	1x4/6/8/13	T5	219	26	19	also TC-S/E
84	5.143-A4-2	3/4x14	T5	230	40	28	
84	5.243-A1	1x24	T5	360	30	21	being replaced by 6... range
84	5.393-A1	1x39	T5	360	30	21	being replaced by 6... range
84	5.493-A1	1x49	T5	360	30	21	being replaced by 6... range
84	5.543-A1	1x54	T5	360	30	21	being replaced by 6... range
84	5.803-A1	1x80	T5	360	30	21	being replaced by 6... range
84	5.803-A1-2	1x80	T5	230	40	28	being replaced by 6... range
84	5.243-A2	2x24	T5	360	30	21	being replaced by 6... range
84	5.393-A2	2x39	T5	360	30	21	being replaced by 6... range
84	5.493-A2	2x49	T5	360	30	21	being replaced by 6... range
84	5.543-A2	2x54	T5	360	30	21	being replaced by 6... range
84	5.803-A2	2x80	T5	360	30	21	being replaced by 6... range
84	5.243-A4-2	3/4x24	T5	360	30	21	
84	6.135	1x14/21/28/35	T5	324	24	21	
84	6.235	2x14/21/28/35	T5	324	24	21	
84	6.124	1x24	T5	324	24	21	
84	6.224	2x24	T5	324	24	21	
84	6.139	1x39	T5	324	24	21	
84	6.239	2x39	T5	324	24	21	
84	6.149	1x24	T5	324	24	21	
84	6.154	1x54	T5	324	24	21	
84	6.180	1x80	T5	324	24	21	
84	5.553-A1-2	1x55	T5C	230	40	28	

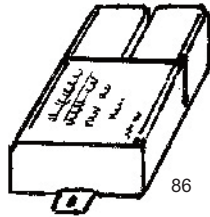
H.F. Electronic Ballasts - dimmable



85

1-10V DC control
Dimming range 1-100%

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
85	5.353-DM1	1x14/21/28/35 T5	360	30	26	1-10V DC
85	5.353-DM2	2x14/21/28/35 T5	360	30	26	7 terminals 1-10V DC
85	6.136-DM	1x18/30/36 T8 1x18/24/36/40 TCL 1x18/24/36 CL 1x24/39 T5	360	30	26	1-10V DC
85	6.236-DM	2x18/30/36 T8 2x18/24/36/40 TCL 2x18/24/36 CL 2x24/39 T5	360	30	26	7 terminals 1-10V DC
85	6.158-DM	1x58 T8 1x55 TCL 1x54 T5	360	30	26	1-10V DC
85	6.258-DM	2x58 T8 2x55 TCL 2x54 T5	360	30	26	7 terminals 1-10V DC



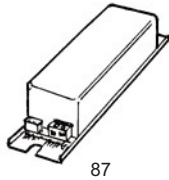
ballast with terminal cover
and cable clamps

Compact Lamps

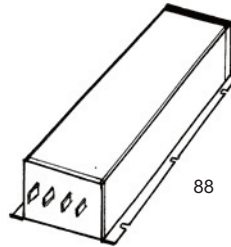
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
86	6.213-TC-C/T	1/2x7/9/11/13 1x16	CL 2D	154	71	32	with terminal cover
86	6.218-TC-C/T	1/2x18	CL	154	71	32	with terminal cover
86	6.226-TC-C/T	1x26/32/42 1/2x18/24 1x36/40 1x22/40 2x22	CL TCL TCL T5C T5C	154	71	32	with terminal cover
86	6.242-TC-C/T	1/2x26/32/42 1x57/70 1/2x18/24/36 1x40 1/2x22 1x40	CL CL TCL TCL T5C T5C	154	71	32	with terminal cover

Also available with exposed terminals - available on request

DC Electronic Ballasts



87

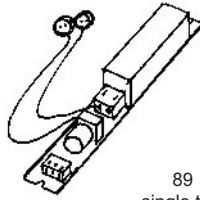


88

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
87	5.712	1x18/20	T8/T12	150	40	27	12V DC
87	5.724	1x18/20	T8/T12	150	40	27	24V DC

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
88	5.1336	1x18/30/36 2x18	T8 T8	244	64	47	12V DC supply
88	5.2636	1x18/30/36 2x18	T8 T8	244	64	47	24V DC supply
88	5.4836	1x18/30/36 2x18	T8 T8	244	64	47	48V DC supply
88	5.7236	1x18/30/36 2x18	T8 T8	244	64	47	72V DC supply
88	5.1136	1x18/30/36 2x18	T8 T8	244	64	47	110V DC supply

D.C. electronic ballast are for fluorescent tubes on trains / ships / aircraft and emergency.

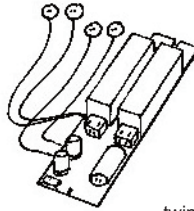


89
single tube

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
Low power factor						lamp lead lengths	
89	1X15.230-BF-B2	1x15	T8	250	41	31	215/300mm
89	1X20.230-BF-B2	1x18	T8	250	41	31	215/300mm
89	1X30.230-BF-B2	1x30	T8	250	41	31	525/600mm
89	1X40.230-BF-B2	1x36	T8	250	41	31	525/610mm
89	1X65.230-BF-B2	1x58	T8	290	41	31	675/760mm
High power factor						lamp lead lengths	
89	1X15.230-AF-B2	1x15	T8	390	51	51	600/600mm
89	1X20.230-AF-B2	1x18	T8	390	51	51	600/600mm
89	1X30.230-AF-B2	1x30	T8	390	51	51	1000/1000mm
89	1X40.230-AF-B2	1x36	T8	390	51	51	1000/1000mm
89	1X65.230-AF-B2	1x58	T8	390	51	51	1200/1200mm

IP40 lampholders

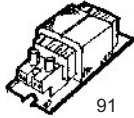
Pre-wired Gear Trays 230V 50Hz



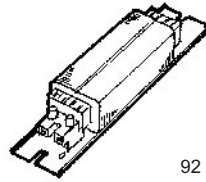
90
twin tube

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
High power factor						lamp lead lengths	
90	2X15.230-AF-B2	2x15	T8	390	51	51	all 600mm
90	2X20.230-AF-B2	2x18	T8	390	51	51	all 600mm
90	2X30.230-AF-B2	2x30	T8	390	94	51	all 1000mm
90	2X40.230-AF-B2	2x36	T8	390	94	51	all 1000mm
90	2X65.230-AF-B2	2x58	T8	390	94	51	all 1200mm

IP40 lampholders



91



92

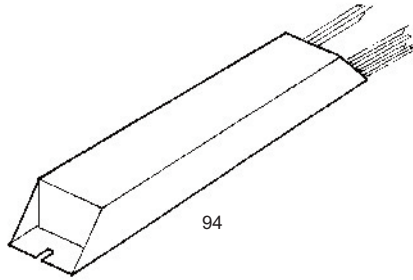
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
91	7.230-B2	5-11 CL	85	41	28	2x5 CL
91	8.230-B2	4-8 T5	85	41	28	2x4 T5
91	13.230-B2	10-13 CL 13 T5	85	41	28	2x5-9 CL
91	16.230-B1	16 2D	85	41	28	2x8 T5
91	18.230-B2	18 T8/CL	85	41	28	
92	15.230-B2	15 T8	150	41	28	
92	20.230-B2	18/20 T8/T12	150	41	28	22 T5C
92	26.230-B2	24 TCL	110	41	28	
		26 TC-T				
92	30.230-B2	30 T8	150	41	28	2x15
92	32.230-B2	32 circular	150	41	28	
92	40.230-B2	36/40 T8/T12	150	41	28	2x18/20 T8/T12
		40 T12 circular				
92	65.230-B2	58/65 T8/T12	190	41	28	

All 230V 50Hz supply

125V 50Hz is available for :
 4-13W T5 (8.125)
 18/20 T8/T12 (20.125)
 36/40 T8/T12 (40.125)

Please enquire with our sales office.

H.F. Electronic Ballasts - IP67



Ballast IP67
Lampholder IP40/64

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
94	6.136-67	1x15/18/30/36	T8	315	49	32	prewired IP67 (IP64 lampholder)
94	6.158-67	1x58	T8	315	49	32	prewired IP67 (IP64 lampholder)
94	6.236-67	2x15/18/30/36	T8	315	49	32	prewired IP67 (IP64 lampholder)
94	6.258-67	2x58	T8	315	49	32	prewired IP67 (IP64 lampholder)
94	5.135-67	1x14/21/28/35	T5	434	49	32	prewired IP67 (IP40 lampholder)
94	6.124-67	1x24	T5	315	49	32	prewired IP67 (IP40 lampholder)
94	6.139-67	1x39	T5	315	49	32	prewired IP67 (IP40 lampholder)
94	6.154-67	1x54	T5	315	49	32	prewired IP67 (IP40 lampholder)
94	5.235-67	2x14/21/28/35	T5	434	49	32	prewired IP67 (IP40 lampholder)
94	6.224-67	2x24	T5	315	49	32	prewired IP67 (IP40 lampholder)
94	6.239-67	2x39	T5	315	49	32	prewired IP67 (IP40 lampholder)
94	6.254-67	2x54	T5	315	49	32	prewired IP67 (IP40 lampholder)

Resin filled / pre-flexed ballast

Note : mains lead (3core) 750mm

Lamp Leads	6.136-67	=	700/1500 x 1
	6.158-67	=	820/1840 x 1
	6.236-67	=	700/1500 x 2
	6.256-67	=	820/1840 x 2
	5.135-67	=	660/1060 x 1
	5.235-67	=	660/1060 x 2
	6.124-67	=	500/500 x 1
	6.224-67	=	500/500 x 2
	6.139-67	=	750/750 x 1
	6.239-67	=	750/750 x 2
	6.154-67	=	1000/1000 x 1
	6.254-67	=	1000/1000 x 2

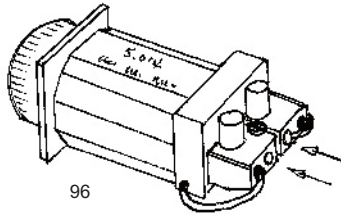
Electronic start IP67 units are available on request.



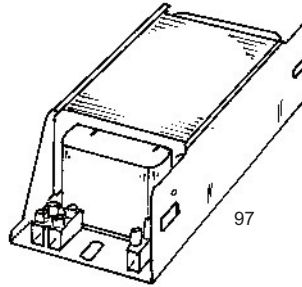
95

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
95	5.014	14-125W	-	-	-	preheating . 220-240V 50-60Hz
95	5.004	4-65W	-	-	-	instant start 220-240V 50-60Hz
95	5.014-1	4-22W	-	-	-	series circuit 110-130V 50-60Hz

Electronic Starter Assembly



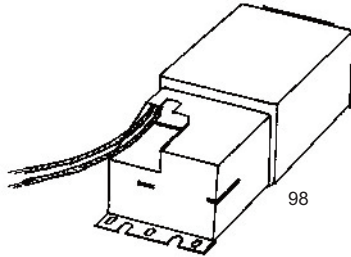
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
96	Assembly 5.014	14-125W	-	-	-	alternative to G69577
96	Assembly 5.004	4-65W	-	-	-	instant start
96	Assembly 5.014-1	4-22W	-	-	-	series circuit



No.	Catalogue Number	Lamp	Size			Detail	Cap. mfd
			L	W	H		
97	4.080-IS	80 HPMV	106	62	52		8
97	4.125-IS	125 HPMV	106	62	52		10
97	4.250-IS	250 HPMV	115	87	73		18
97	4.400-IS	400 HPMV	135	87	73	also 400MH (3.5A)	30
97	4.205-I	50 HPS	106	62	52		10
97	4.207-I	70 HPS/MH	106	62	52		12
97	4.210-I	100 HPS/MH	126	62	52		12
97	4.215-I	150 HPS/MH	115	87	73		20
97	4.215-IRC	150 HPS/MH	135	66	53		20
97	4.225-I	250 HPS/MH	135	87	73		32
97	4.240-I	400 HPS	165	87	73		45
97	4.400-IS	400 MH	135	87	73	3.5 A lamp	35
97	4.260-I	600 HPS	168	105	87	250V	65
97	4.201-IRC	1KW HPS	231	105	87	MH lamp 9.5A	100
		1KW MH					85
97	4.323-I	2000 MH 380V	220	130	107	8.8A 400V	45
97	4.333-I	2000 MH 380V	240	130	107	10.3-11.3A 400V	60
97	4.343-I	2000 MH 380V	220	130	107	10.3A 400V	60
97	4.353-I	2000 MH 230V	240	130	107	16.5A 250V	150

All ballasts 230V 50Hz unless otherwise stated.

Discharge Control Gear - IP67



HPF
IP67 discharge ballast

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
98	4.307-CI	70 HPS/MH	183	69	62	
98	4.310-CI	100 HPS/MH	183	69	62	
98	4.315-CI	150 HPS/MH	172	92	83	
98	4.325-CI	250 HPS/MH	192	92	83	MH = 3A lamp
98	4.340-CI	400 MH	192	92	83	MH = 3.5A lamp
98	4.240-CI	400 HPS	222	92	83	

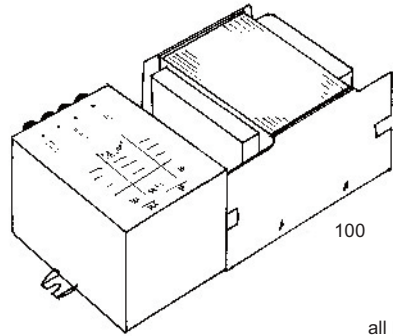
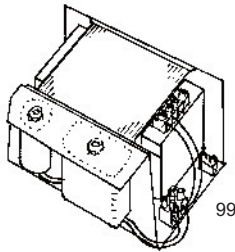
Maximum distance to the lamp is 15 metres.

IP67 rating

Mains lead = 520mm

Lamp lead = 320mm

Bi-power IP54 ballasts as illustration without command wires are available on request



all HPF

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
99	4.307-CS	70 HPS/MH	131	111	52	HPF F/C 85mm
99	4.310-CS	100 HPS/MH	131	111	52	HPF F/C 105mm
99	4.315-CS	150 HPS/MH	131	136	73	HPF F/C 96mm
99	4.325-CS	250 HPS/MH	135	135	95	HPF F/C 116mm
99	4.340-CS	400 MH (3.5A)	135	135	95	HPF F/C 116mm
99	4.240-CS	400 HPS	166	146	95	HPF F/C 150mm

Maximum distance to the lamp is 3 metres except 4.240-CS which is 15 metres

The CS range includes a ballast, ignitor and capacitor

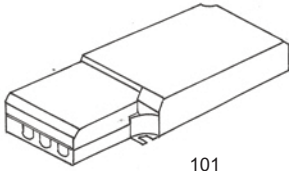
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
100	4.303-CR	35 MH	158	62	77	HPF F/C 85 + 54mm (3 slots)
100	4.307-CR	70 HPS/MH	158	62	52	HPF F/C 85 + 54mm (3 slots)
100	4.207-CR	70 HPS	158	62	77	HPF F/C 85 + 54mm (3 slots)
100	4.310-CR	100 HPS/MH	178	62	77	HPF F/C 105 + 54mm (3 slots)
100	4.315-CR	150 HPS/MH	175	87	76	HPF F/C 96 + 64mm (3 slots)
100	4.215-CR	150 HPS	175	87	76	HPF F/C 96 + 64mm (3 slots)
100	4.325-CR	250 HPS/MH	195	87	76	HPF F/C 116 + 64mm (3 slots)
100	4.225-CR	250 HPS	195	87	76	HPF F/C 116 + 64mm (3 slots)
100	4.340-CR	400 HPS/MH	195	87	76	HPF F/C 116 + 64mm (3 slots)
100	4.240-CR	400 HPS	225	87	76	HPF F/C 146 + 64mm (3 slots)
100	4.260-CR	600 HPS	231	105	92	HPF F/C 214 + 64mm (3 slots)

Maximum distance to the lamp is 3 metres except 4.240-CR & 4.260-CR - these being 15 metres

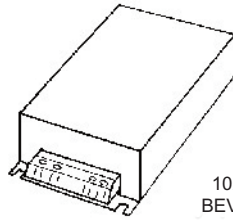
Dual voltage (V range) bi-power with command cables available on request

Dual voltage (V-SM range) bi-power with timer available on request

Discharge Lamp Electronic Ballasts



101
BEHM
(M.H.)



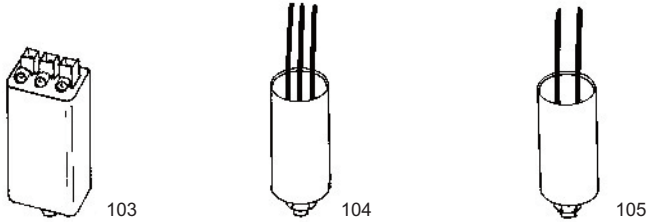
102
BEVS
(HPS)

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
101	BEHM20	20 MH	145	75	30	lamp lead length 1.5m
101	BEHM35	35 MH	145	75	30	lamp lead length 1.5m
101	BEHM70	70 MH	145	75	30	lamp lead length 1.5m
101	BEHM150	150 MH	190	88	36	lamp lead length 2.0m

Indoor use only.

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
102	BEVS70	70 HPS	146	90	40	
102	BEVS100	100 HPS	146	90	40	
102	BEVS150	150 HPS	146	90	40	
102	BEVS250	250 HPS	192	110	45	

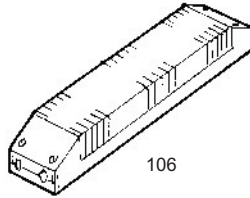
to be installed in a box or lighting furniture



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
103	4.003-X	70-400 HPS/MH	90	38	33	SIP +35W M.H. 220/240V
103	4.005-H	1000 HPS/MH	96	48	41.5	SIP 240V
103	4.005-N	400-1000 HPS	96	48	41.5	SIP 240V
103	4.009	1000-2000 HPS/MH	118	69	62	SIP 240V
103	4.007	1000-2000 HPS/MH	96	48	41.5	SIP 380/415V
Maximum distance to the lamp = 3M						
104	4.002	50-1000 HPS	68	31	Ø	Impulse 240V
Maximum distance to the lamp = 15M						
105	4.016	35 SOX 250-2000 MH	68	31	Ø	SIP 240V

Maximum distance to the lamp = 10M

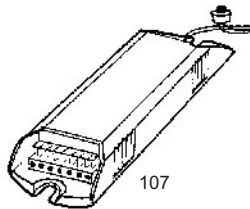
Digital Electronic Transformers



230/240V - 11.5V 50/60Hz
12V L.V. lamps

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
106	TE-50-D	20-50W	131	38	29	also 5-25W LED 12V AC
106	TE-60-D	20-60W	131	38	29	
106	TE-70-D	20-70W	131	38	29	
106	TE-105-D	20-105W	131	38	29	

Trailing edge dimmable



107

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
107	S2C	4-8 T5 5-7 SEL	150	44	30	2C Primian 2
107	S3C	4-14 T5 5-13 CL 18 TCL 16 2D	150	44	30	3C Primian 2
107	S4C	4-21 T5 15-36 T8 5-26 CL 18-36 TCL 16-28 2D	150	44	30	4C Primian 2 + 4 TCL + 22 T5C
107	S5C	4-21 T5 15-36 T8 5-26 CL 18-36 TCL 16-28 2D 55 2D	150	44	30	5C Primian 2 + 22 T5C
107	S5C/40	40 TCL 38 2D	150	44	30	5C Primian 2
107	S2CHE	4-8 T5	150	44	35	2C Primian 1
107	S3CHE	4-14 T5 15-18 T8 5-26 CL 18-34 TCL 16-28 2D	150	44	35	3C Primian 1
107	S4CHE	4-24 T5 15-58 T8 5-32 CL 18-40 TCL 16-38 2D	150	44	35	4C Primian 1
107	S5CHE	4-21 T5 15-70 T8 5-32 CL 18-55 TCL 16-38 2D	150	44	35	5C Primian 1

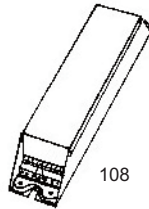
LED EMERGENCY

ELEDD12 Driver
ELEDD30 Driver
ELEDD55 Driver
XYLUX driver

conversion kit

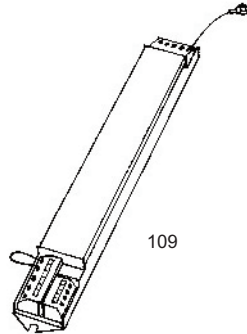
stick, pyramid, side by side & dual batteries on request
NIMH batteries on request

Emergency Lighting Modules



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
108	SM484	4-21 T5 18 T5C 15-36 T8 5-26 CL 18-36 TCL 21-38 2D	150	44	35	5C NICD not 13W CL now obsolete
108	SR642	13-42 TEL 38/55 2D	210	42	35	6C Relion
108	SR654	24-54 T5	210	42	35	6C Relion
108	SR655	55 TCL	210	42	35	6C Relion
108	AS642	13-42 TEL 38/55 2D	210	42	35	6C Autotest
108	AS654	24-54 T5	210	42	35	6C Autotest
108	AS655	55 TCL	210	42	35	6C Autotest
108	SR664	18-36 T8	150	44	35	3C Cerian
108	SR665	18-58 T8	150	44	35	4C Cerian
108	SR666	70 T8	150	44	35	5C Cerian
108	ASR664	18-36 T8	150	44	35	3C Autotest
108	ASR665	18-58 T8	150	44	35	4C Autotest
108	ASR666	70 T8	150	44	35	5C Autotest
108	ST4C	14/28 T5	150	44	30	4C Premian 3
108	ST6C	24/39/49/54/80 T5	150	44	30	6C Premian 3 + 40 T5C
108	ST6C/35	21/35 T5	150	44	30	6C Premian 3

DALI versions available for SR & ASR products.

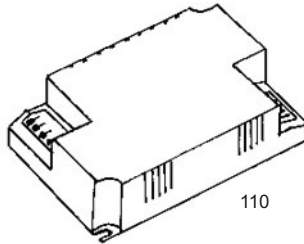


109

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
109	ST504	14/21/28 T5	250	28	28	5C Advanze 1
109	ST505	14/21/28/35 T5	250	28	28	6C Advanze 1
109	ST506	24/39/49/54 T5 22-60 T5C 15-58 T8	250	28	28	6C Advanze 1
109	ST680	80 T5 80 TCL	250	28	28	6C Advanze 1
109	ST514	14/21/28 T5	250	28	21	5C Advanze 2
109	ST515	14/21/28/35 T5	250	28	21	6C Advanze 2
109	ST516	24/39/49/54 T5 22-60 T5C 80 T5 80 TCL	250	28	21	6C Advanze 2
109	ST681	80 T5 80 TCL	250	28	21	6C Advanze 2
109	AST514	14/21/28 T5	250	28	21	5C Advanze 2 autotest
109	AST515	14/21/28/35 T5	250	28	21	6C Advanze 2 autotest
109	AST516	24/39/49/54 T5 22-60 T5C 58 T8	250	28	21	6C Advanze 2 autotest
109	AST681	80 T5 80 TCL	250	28	28	6C Advanze 2 autotest

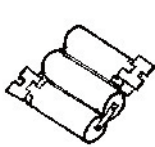
DALI versions available for Advanze 2 ranges.

Combined HF Ballast & Emergency Module

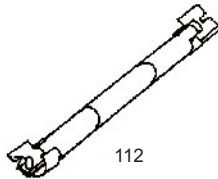


No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
110	D113+	13	DEL	122	78	31	3C integrated module
110	D116+	16	2D	122	78	31	3C integrated module
110	D118+	18	DEL/TEL	122	78	31	4C integrated module
110	D121+	21	2D	122	78	31	4C integrated module
110	D123+	28	2D	122	78	31	3C integrated module
110	D123/80+	28	2D	122	78	31	3C integrated module 80%
110	D124+	24	TCL	122	78	31	4C integrated module
110	D126+	26	DEL/TEL	122	78	31	4C integrated module
110	D128+	28	2D	122	78	31	4C integrated module
110	D128/80+	28	2D	122	78	31	4C integrated module 80%
110	D135+	38	2D	122	78	31	5C integrated module
110	D138+	38	2D	122	78	31	4C integrated module
110	DT13	2x13	DEL	124	104	31	4C integrated module
110	DT18	2x18	DEL	124	104	31	4C integrated module
110	DT26	2x26	DEL	124	104	31	4C integrated module
110	DT32	2x26/32	TEL	124	104	31	5C integrated module
110	DS42C	26-42	CL	124	104	31	6C integrated module
110	SD208+	6/8	T5	150	44	35	2C integrated module
110	SD308	6/8	T5	150	44	35	3C integrated module
110	AD123+	28	2D	122	78	31	3C integrated module
110	AD128+	28	2D	122	78	31	3C integrated module
110	AD128/80+	28	2D	122	78	31	3C integrated module 80%
110	AD135+	38	2D	122	78	31	3C integrated module

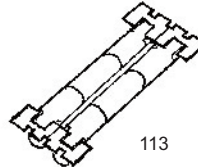
Batteries suitable NIMH or NICD



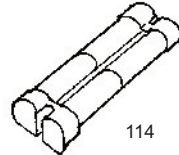
111



112



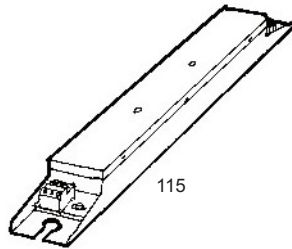
113



114

No.	Catalogue Number	No. of Cells		Size			Detail	
				L	W	H		
111	B215	3C	NICD	100	65	35	SBS plate	plug
111	B217	4C	NICD	135	65	35	SBS plate	plug
111	B219	5C	NICD	165	65	35	SBS plate	plug
113	B422	2C	NICD	70	76	37	Pack (1+1)	plug
113	B576	6C	NICD	187	76	40	Pack (3+3)	spade
112	B613	2C	NICD	155	35	∅	Stick	spade
112	B616	4C	NICD	275	35	∅	Stick	spade
112	B618	5C	NICD	335	35	∅	Stick	spade
114	B624	4C	NICD	128	76	40	Twin stick (2+2)	spade
113	B633	10C	NICD	335	76	35	Twin stick (5+5)	spade
111	B644	3C	NICD	215	35	∅	stick	spade
113	B776	6C	NICD	215	76	35	Twin stick (3+3)	spade
112	B778	6C	NICD	395	35	∅	Stick	spade
113	B812	8C	NICD	275	76	35	Twin stick (4+4)	spade
113	B824	4C	NICD	155	76	35	Twin stick (2+2)	spade
112	B902	2C	NIMH	176	18	∅	Stick	plug & lead
112	B903	3C	NIMH	246	18	∅	Stick	plug & lead
113	B904	4C	NIMH	176+176	18	∅	Twin stick (2+2)	plug & lead
113	B905	5C	NIMH	176+246	18	∅	Twin stick (3+2)	plug & lead
113	B906	6C	NIMH	246+246	18	∅	Twin stick (3+3)	plug & lead
111	B914	4C	NIMH	80	71		SBS	plug & lead
111	B916	6C	NIMH	120	71		SBS	plug & lead
112	B932	2C	1.6 NIMH	120	27		Stick	
112	B933	3C	1.6 NIMH	163	27		Stick	
113	B934	4C	1.6 NIMH	120+120	27	∅	Twin stick (2+2)	
113	B935	5C	1.6 NIMH	163+120	27	∅	Twin stick (3+2)	
113	B936	6C	1.6 NIMH	163+163	27	∅	Twin stick (3+3)	

H.F. Electronic Ballasts



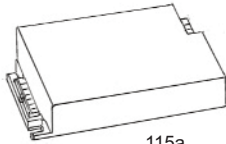
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
115	FX2T18-36M	1 or 2 lamp	239	40	20	metal case 120-277V
		18/30/36 T8				
		24/39 T5				
		18/24/36 TCL				
		22 T5C				
		26/32 CL				
		1 lamp				
		40 CL				
		40 T5C				
		42/57 CL				
115	FX2T55-58M	1 or 2 lamp	239	40	20	metal case 120-277V
		58 T8				
		55 TCL				

One-LUX

Fluorescent Emergency and Combined Ballasts

UNITY range
Combined Mains/Emergency Ballast

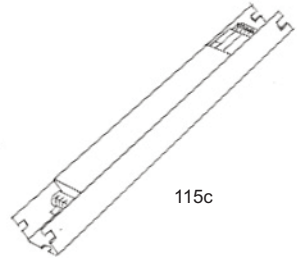
ULTIMO/ESSENTIAL range
Emergency Conversion Module



115a



115b



115c

UNITY Combined Mains / Emergency Ballast

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
115a	U16/M3	1x16 2D	122	78	31	3C battery required
115a	U28E/M3	1x 28 2D	122	78	31	3C battery required
115a	U28M3	1x28 2D	122	78	31	4C battery required

ESSENTIAL Fluorescent Emergency Conversion Module

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
115b	E36/M3	4-36W	148	43	30	3C battery required
115b	E58/M3	4-58W	148	43	30	4C battery required

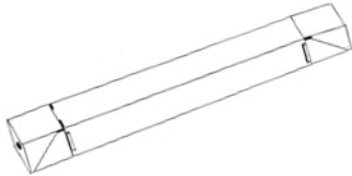
ULTIMO Fluorescent Emergency Conversion Module

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
115c	UL6-80/M3	multi wattage	210	31.5	21.5	3HR
115c	UL6-80/M3/NMH	multi wattage	210	31.5	21.5	3HR
115c	UL6-80/M1	multi wattage	210	31.5	21.5	1HR
115c	UL6-80/M1/NMH	multi wattage	210	31.5	21.5	1HR

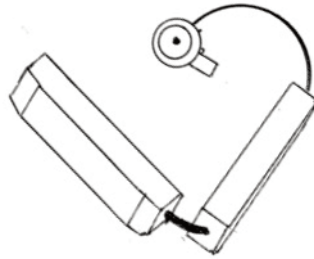
Supplied as standard with high brightness green LED.

Emergency Modules and Kits for LED

OMNI LED range
Emergency Conversion Module



SOLO range
NM LED Lamp and Driver Kit



OMNI LED Emergency Conversion Module

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
115d	OL55/3/M3	please advise requirements	184	37	21.5	3C battery required . 3Hr
115d	OL55/3/M1	please advise requirements	184	37	21.5	3C battery required . 1Hr
115d	OL55/4/M3	please advise requirements	184	37	21.5	4C battery required . 3Hr
115d	OL55/4/M1	please advise requirements	184	37	21.5	4C battery required . 1Hr

3 cell 2.5W or 4 cell 3.5W. Works with NiMH or NiCd batteries.

Will run any LED series / parallel or combination lamp arrays rated from 6V - 55V

Supplied as standard with high brightness green LED.

SOLO Non-Maintained LED Lamp and Driver Kit

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
115e	OLS/NM3	please advise requirements	357	37	21.5	Self contained Luminaire

Self contained LED emergency luminaire

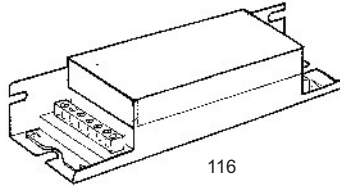
Low profile SELV hinged design driver and battery enclosures to fit through a 42mm hole

Constant power output

Features manual push to test facility

Battery compartment incorporates 2 x 4Ah HT NiMH cells

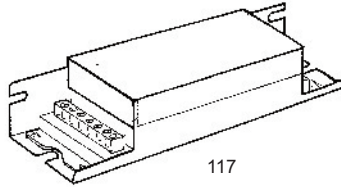
1 or 3 hour versions available



Inverters for use with central battery systems

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
116	PV190	9-18 CL 16 2D 14 T5 18 T8	154	42	35	24V AC/DC
116	PV191	9-18 CL 16 2D 14 T5 18 T8	154	42	35	50V AC/DC
116	PV192	9-18 CL 16 2D 14 T5 18 T8	154	42	35	110V AC/DC
116	PV288	4-8 T5/CL	154	42	35	24V AC/DC
116	PV289	4-8 T5/CL	154	42	35	50V AC/DC
116	PV290	4-8 T5/CL	154	42	35	110V AC/DC
116	PVR24	7-100 T5/T8/CL/2D	216	42	28	24V AC/DC mains hold off relay inverter
116	PVR50	7-100 T5/T8/CL/2D	216	42	28	50V AC/DC mains hold off relay inverter
116	PVR110	7-100 T5/T8/CL/2D	216	42	28	110V AC/DC mains hold off relay inverter

Emergency Lighting Modules



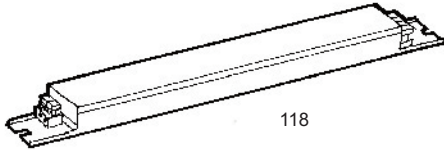
Maintained or non-maintained modules

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
117	M2019/3	8	T5	154	42	35	2C	non maintained only
117	PH4003P3	18-36	T8	154	42	35	3C	+ 16/28 2D 5-24 CL
117	PH4005P3	18-40	T8/CL	154	42	35	4C	+ 28 2D 14/24 T5
117	PH4007P3	58	T8	154	42	35	4C	+ 38/55 2D 40/55 TCL
117	PH4008P3	36 18-55 38-55	T8 CL 2D	154	42	35	5C	+ 28 T5
117	PH4009P3	70	T8	154	42	35	5C	
117	PH4011P3	22-60	T5C	154	42	35	5C	only T5C
117	PH4013P3	8 9-13	T5 CL	154	42	35	3C	
117	PH4018P3	16/28	2D	154	42	35	3C	+ 22 T5C
117	PH4418P3	18 T8	9-13 CL	154	42	35	4C	+ 8 T5
117	PH4506P3	18 T8	13-26 CL	154	42	35	5C	+ 28 2D 21/24 T5

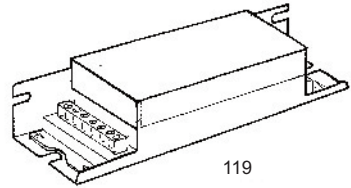
The PH range is suitable for conventional switch start circuits + HF circuits
Always check for lamp compatibility

117	PL4003P3	18-36	T8	203	42	28	3C	+ 16/28 2D 5-24 CL
117	PL4005P3	18-40	T8/CL	203	42	28	4C	+ 28 2D 14/24 T5
117	PL4007P3	58	T8	203	42	28	4C	+ 38/55 2D 40/55 TCL
117	PL4008P3	36 18-55 38-55	T8 CL 2D	203	42	28	5C	+ 28 T5
117	PL4009P3	70	T8	203	42	28	5C	
117	PL4011P3	22-60	T5C	203	42	28	5C	only T5C
117	PL4013P3	8 9-13	T5 CL	203	42	28	3C	
117	PL4018P3	16/28	2D	203	42	28	3C	+ 22 T5C
117	PL4418P3	18 T8	9-13 CL	203	42	28	4C	+ 8 T5
117	PL4506P3	18 T8	13-26 CL	203	42	28	5C	+ 28 2D 21/24 T5

The PL range is suitable for conventional switch start circuits + HF circuits
Always check for lamp compatibility



118



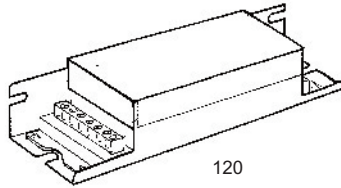
119

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
119	PLR5003P3	18-36 T8	216	42	28	3C + 16/28 2D 5-24 CL
119	PLR5005P3	18-40 T8/CL	216	42	28	4C + 28 2D 14/24 T5
119	PLR5007P3	58 T8	216	42	28	4C + 38/55 2D 40/55 TCL
119	PLR5008P3	36 T8 18-55 CL 38-55 2D	216	42	28	5C + 28 T5
119	PLR5009P3	70 T8	216	42	28	5C
119	PLR5011P3	22-60 T5C	216	42	28	5C only T5C
119	PLR5013P3	8 T5 9-13 CL	216	42	28	3C
119	PLR5018P3	16/28 2D	216	42	28	3C + 22 T5C
119	PLR5418P3	18 T8 9-13 CL	216	42	28	4C + 8 T5
119	PLR5506P3	18 T8 13-26 CL	216	42	28	5C + 28 2D 21/24 T5

The PLR range is suitable for electronic circuits.

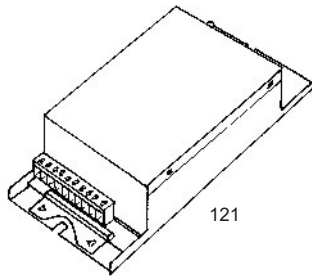
118	MT5414P3	14 T5	350	28	28	4C
118	MT5528P3	21/24/28 T5	350	28	28	5C
118	MT5854P3	35/39/49/54 T5	350	28	28	8C

Emergency Lighting Modules



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
120	PHR5607P3	36 T8 32-40 CL	216	42	35	6C + 28/38 2D
120	PHR5608P3	58/70 T8 55CL/2D	216	42	35	6C
120	PHR5809P3	58-100 T8 40-55 CL	216	42	35	8C + 35/39/49/54 T5
120	PHR5108P3	70/100 T8	216	42	35	10C + 80 T5 57 T/C-T/E
120	PHS5607P3	36 T8 32-40 CL	216	42	35	6C + 28/38 2D
120	PHS5608P3	58/70 T8 55CL/2D	216	42	35	6C
120	PHS5809P3	58-100 T8 40-55 CL	216	42	35	8C + 35/39/49/54 T5
120	PHS5108P3	70/100 T8	216	42	35	10C + 80 T5 57 T/C-T/E

The PHS range are self test units . Now obsolete - only while stocks last.



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
121	MCP4097P3	18/28 TCD/2D	180	70	35	3C combi unit
121	MCP4098P3	18 TCD 28 2D 22 T5C	180	70	35	4C combi unit
121	MCP4099P3	16 2D 26 TCD	180	70	35	4C combi unit
121	MCP4100P3	16 2D	180	70	35	3C combi unit
121	MCP4101P3	36 TCF 38 2D 40 T5C	180	70	35	5C combi unit

Fixing centres - 170mm

Combined emergency lighting ballast and mains electronic ballast.
Single lamp circuits only.

Low Voltage Conversion Packs

Low voltage lighting train for 12V MR16 lamps to 50W

LED lighting train for MR16 LED lamps up to 6W

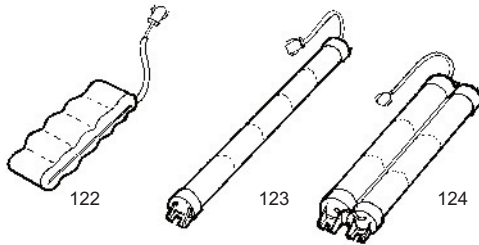
LED high power conversion kit

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
-	R962/50/NM3	up to 50W 12V.	800mm	fits through	Non maintained 3 Hour duration	
-	R962/50/M3	up to 50W 12V.	800mm	fits through	Maintained (with transformer)	
-	R963/50/M3	up to 50W 12V.	800mm	fits through	Maintained (without transformer)	
-	RL5012/6/M3	up to 6W 12V LED	800mm	fits through	Maintained mode using integral driver	
-	LCM3350	single LED 1W 7 x 1W LED in series 1 x 10W LED cluster 1 x 22W LED cluster	203	42	28	5 cell x 4 Ah Compatible with most LED drivers

Please check compatibility and BLF %

LED modules available on request

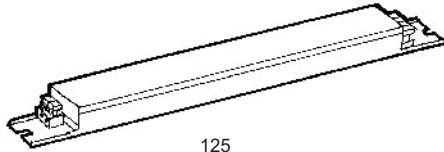
i.e LL.....
LDY005
LDY010
LVR24/LED
LVR50/LED
LVR110/LED



No.	Catalogue Number	No. of Cells		Size			Detail	
				L	W	H		
123	BH164	2C	NIMH	140	20	∅	Stick	tag
123	BH167	3C	NIMH	210	20	∅	Stick	tag
123	BH173	5C	NIMH	346	20	∅	Stick (3+2)	tag
123	BH176	6C	NIMH	240x2	20	∅	Stick (3+3)	tag
122	B161/2X4	2C	NICD	65	72	36	Side by side	lead/plug
123	B164/24	2C	NICD	164	36	∅	Stick	tag
122	B166/3X4	3C	NICD	99	65	34	Side by side/plate	lead/plug
123	B167/34	3C	NICD	226	36	∅	Stick	tag
122	B169/4X4	4C	NICD	130	65	34	Side by side/plate	lead/plug
124	B702/4X4	4C	NICD	123	75	36	Dual in line	lead/plug
123	B170/44	4C	NICD	285	36	36	Stick	tag
122	B172/5X4	5C	NICD	163	65	34	Side by side/plate	lead/plug
123	B173/54	5C	NICD	346	36	∅	Stick	tag
123	B176/64	6C	NICD	406	36	∅	Stick	tag
124	B701/6X4	6C	NICD	182	75	36	Dual in line	lead/plug
123	B878/84	8C	NICD	525	36	∅	Stick	tag
124	B879/8X4	8C	NICD	242	75	36	Dual in line	lead/plug
123	B178/104	10C	NICD	648	36	∅	Stick	tag
124	B179/10X4	10C	NICD	300	75	36	Dual in line	lead/plug

All batteries detailed are for 3 hour duration.

Electronic HF Ballasts - T5



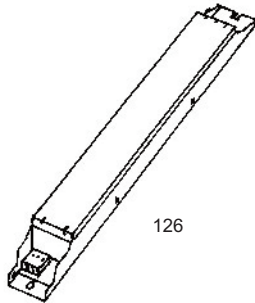
125

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
125	QTi 1X14/24/21/39G11	1x14/21/24/39	T5	360	30	21	
125	QTi 1X28/54/35/49G11	1x28/35/49/54	T5	360	30	21	
125	QTi 1X35/49/80G11	1x35/49/80	T5	360	30	21	
125	QTi 2X14/24/21/39G11	2x14/21/24/39	T5	360	30	21	
125	QTi 2X28/54/35/49G11	2x28/35/49/54	T5	360	30	21	
125	QTi 2X35/49/80G11	2x35/49/80	T5	425	30	21	
125	QTP5 1X14-35	1x14/21/28/35	T5	280	30	21	
125	QTP5 1X24-39	1x24/39	T5	280	30	21	now QTP-OPTIMAL 1x18-40
125	QTP5 1X49	1x49	T5	280	30	21	
125	QTP5 1X54	1x54	T5	280	30	21	now QTP-OPTIMAL 1x54-58
125	QTP5 1X80	1x80	T5	360	30	21	
125	QTP5 2X14-35	2x14/21/28/35	T5	360	30	21	
125	QTP5 2X24-39	2x24/39	T5	360	30	21	now QTP-OPTIMAL 2x18-40
125	QTP5 2X49	2x49	T5	360	30	21	
125	QTP5 2X54	2x54	T5	360	30	21	now QTP-OPTIMAL 2x54-58
125	QT-FQ 2X80	2x80	T5	430	30	21	
125	QTP5 3X14,4X14	3/4x14	T5	280	40	21	

The QTi range is multi wattage and may be suitable for other lamps not listed i.e. Compact Lamps

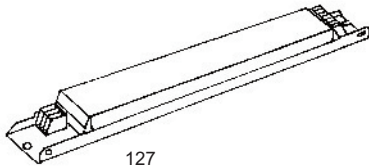
LED

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
125	QTi-DP1X28/35/LED	350ma 5-8.5W 24V <= 8.0W	423	30	21	also 28/35 T5

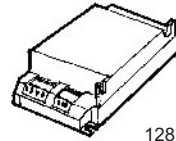


No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
126	QT-FIT8 1X18	1x18	T8	280	30	28	
126	QT-FIT8 1X36	1x36	T8	280	30	28	
126	QT-FIT8 1X58-70	1x58/70	T8	280	30	28	
126	QT-FIT8 2X18	2x18	T8	360	30	28	
126	QT-FIT8 2X36	2x36	T8	360	30	28	
126	QT-FIT8 2X58-70	2x58/70	T8	360	30	28	
126	QT-FIT8 3X18,4X18	3/4x18	T8	280	40	28	
126	QTP8 1X18	1x18	T8	360	30	30	now QTP-OPTIMAL 1x18-40
126	QTP8 1X36	1x36	T8	360	30	30	now QTP-OPTIMAL 1x18-40
126	QTP8 1X58	1x58	T8	360	30	30	now QTP-OPTIMAL 1x54-58
126	QTP8 2X18	2x18	T8	423	30	30	now QTP-OPTIMAL 2x18-40
126	QTP8 2X36	2x36	T8	423	30	30	now QTP-OPTIMAL 2x18-40
126	QTP8 2X58	2x58	T8	423	30	30	now QTP-OPTIMAL 2x54-58
126	QTP8 3X18,4x18	3/4x18	T8	423	40	30	now QTP-FIT3X18,4X18

Electronic HF Ballasts - CL

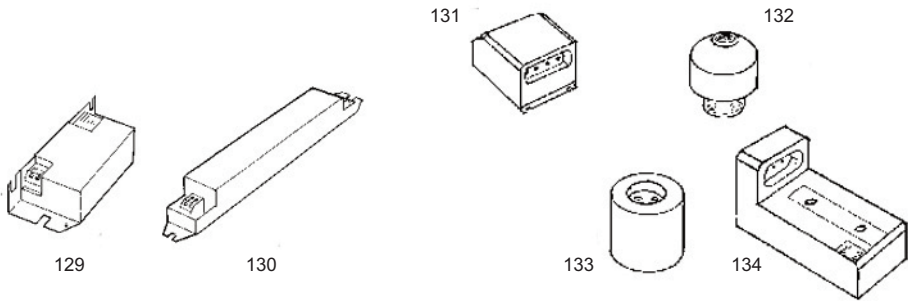


127



128

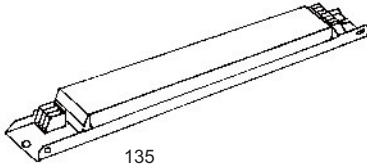
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
127	QTP-DL 1X18-24	1x18-24	CL	239	30	28	
127	QTP-DL 1X36-40	1x36-40	CL	239	30	28	
127	QTP-DL 1X55G11	1x55	CL	280	30	21	
127	QTP-DL 2X18-24	2x18-24	CL	239	40	28	
127	QTP-DL 2X36-40	2x36-40	CL	280	40	28	
127	QTP-DL 2X55G11	2x55	CL	360	30	21	
128	QTP-M 1X26-42S	1x26-42 1x24/39 1x22	CL/T8 T5 T5C/T9C	103	67	31	multilamp
128	QTP-M 2X26-32S	2x26-36 2x24 2x222	CL/T8 T5 T5C/T9C	123	79	33	multilamp
128	QTP-M 2X26-42S	2x26-42 1x42-57 2x22 2x24	CL CL T5C T5	123	79	33	multilamp
128	QTP-D/E 1X10-13	1x10-13	CL	93	58	29	
128	QTP-T/E 1X18,2X18	1x18	CL	103	67	31	
128	QTP-T/E 1X26-42,2X26	1x26/32/42 2x26	CL CL	103	67	31	
128	QTP-D/E 2X10-13	2x10-13	CL	123	79	33	



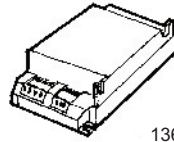
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
129	QT-ECO 1X4-16S	4-16 T8/CL/T5	80	40	22	matchbox
129	QT-ECO 1X18-21S	18-21 T5/CL	80	40	22	matchbox
129	QT-ECO 1X18-24S	15-24 T5/CL	80	40	22	matchbox
129	QT-ECO 1X26S	26 CL	80	40	22	matchbox
129	QT-ECO 2X5-11S	2x5-11 CL/T5	80	40	22	matchbox
130	QT-ECOT/E 2X18S	2x18 CL	150	41	28	
130	QT-ECOT/E 2X26S	2x26 CL	150	41	28	
130	QT-ECO 1X4-16L	4-16 CL/T5	150	22	22	long slimline version
130	QT-ECO 1X18-24L	15-24 T8/T5/CL 22 T5C/T9C	150	22	22	long slimline version
131	DT-S/E 5-11S	5-11 CL	75	55	34	2G7
132	DT-D/E 10-13P	10-13 CL	72	59	∅	G24Q1 M10
132	DT-T/E 18P	18 CL	72	59	∅	G24Q2 M10
133	DT-T/E 18C	18 CL	68	59	∅	G24Q2
134	DT-S/E 5-11L	5-11 CL	89	40	45	2G7
134	DT-D/E 10-13L	10-13 CL	95	40	64	G24Q1
134	DT-T/E 18L	18 CL	95	40	64	G24Q2

The DT-... ranges available only while stocks last

Electronic HF Dimming Ballasts 1-10V D.C



135

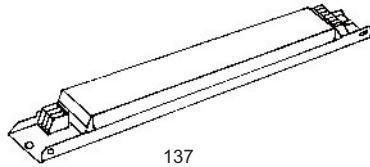


136

T8 & compact lamps

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
135	QTi 1X18DIM *	1x18 TCL/T8	360	30	21	1-10V DC control
135	QTi 1X36DIM *	1x36 TCL/T8	360	30	21	1-10V DC control
135	QTi 1X58DIM *	1x58 T8	360	30	21	1-10V DC control
135	QTi 2X18DIM *	2x18 TCL/T8	423	30	21	1-10V DC control
135	QTi 2X36DIM *	2x36 TCL/T8	423	30	21	1-10V DC control
135	QTi 2X58DIM *	2x58 T8	423	30	21	1-10V DC control
135	QTi 3X18DIM *	3x18 TCL/T8	360	40	21	1-10V DC control
135	QTi 4X18DIM *	4x18 TCL/T8	360	40	21	1-10V DC control
135	HF1X18DIM *	1x18 T8	360	30	30	1-10V DC control
135	HF1X36DIM *	1x36 T8	360	30	30	1-10V DC control
135	HF1X58DIM *	1x58 T8	360	30	30	1-10V DC control
135	HF2X18DIM *	2x18 T8	423	30	30	1-10V DC control
135	HF2X36DIM *	2x36 T8	423	30	30	1-10V DC control
135	HF2X58DIM *	2x58 T8	423	30	30	1-10V DC control
136	QTi T/E1X18-57DIM	1x18-57 CL	123	79	33	1-10V DC control
136	QTi T/E2X18-42DIM	2x18-42 CL	123	79	33	1-10V DC control

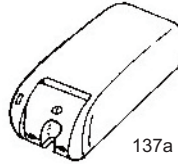
Xtreme range - long lifetime technology



137

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
137	QTi 1X14/24DIM	1x14/24 1x24 T5 TCL	360	30	21	1-10V DC control
137	QTi 1X21/39DIM	1x21/39 1x70 1x40 DL	360	30	21	1-10V DC control
137	QTi 1X28/54DIM	1x28/54 1x55 T5 TCL	360	30	21	1-10V DC control
137	QTi 1X35/49/80DIM	1x35/49/80 T5	360	30	21	1-10V DC control
137	QTi 2X14/24DIM	2x14/24 2x24 T5 TCL	423	30	21	1-10V DC control
137	QTi 2X21/39DIM	2x21/39 2x40 T5 DL	423	30	21	1-10V DC control
137	QTi 2X28/54DIM	2x28/54 2x55 T5 DL	423	30	21	1-10V DC control
137	QTi 2X35/49DIM	2x35/49 T5	423	30	21	1-10V DC control
137	QTi 2X35/49/80DIM	2x35/49/80 T5	423	30	21	1-10V DC control
137	QTi 3X14/24DIM	3x14/24 3x24 T5 TCL	360	40	21	1-10V DC control
137	QTi 4X14/24DIM	4x14/24 4x24 T5 TCL	360	40	21	1-10V DC control

Halotronic & 12V Electronic Transformers (L.V.)



No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
137a	HTM70	20-70	12V	108	52	33	dimnable
137a	HTM105	35-105	12V	108	52	33	dimnable
137a	HTM150	50-150	12V	153	54	36	dimnable
137a	HTN75I	20-70	12V	104	33	22	dimnable
137a	HTL105	35-105	12V	170	44	34	dimnable
137a	HTL225	50-225	12V	170	44	34	dimnable
137a	ET-PARROT 70I	20-70	12V	128	38	31	dimnable
137a	ET-PARROT 105I	35-105	12V	128	38	31	dimnable
137a	ET-PARROT 150I	50-150	12V	128	38	31	dimnable

**For illustrations of LED control gear please
refer to the sales office**

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
-	OT20/120-240/24S	24V	20W	60	60	31	
-	OT20/220-240/24	24V	20W	109	50	35	
-	OT75/120-240/24E	24V	75W	241	43	30	
-	OT20/220-240/24P	24V	120W	250	60	39	
-	OT9/200-240/350	350mA	8.5W	80	40	22	
-	OTE13/220-240/350SD	350mA	12W	132	41	28	
-	OTE35/220-240/700	700mA	35W	170	44	34	
-	OTE35/220-240/700SD	700mA	35W	182	41	28	
-	OTE9/220-240/700PC	700mA	10W	109	53	33	phase cut dimming
-	OTE15/220-240/350PC	350mA	16W	109	53	33	phase cut dimming
-	OTE20/220-240/700PC	700mA	20W	109	53	33	phase cut dimming

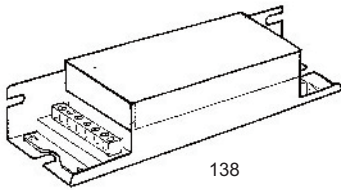
The above products are selected popular items from Osram's extensive ranges of LED control gear.

Please request details for products not listed.

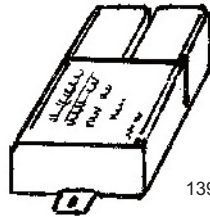
SEE SEPERATE LED PRODUCT CATALOGUE

Dimmable units on request (DALI , 1-10V)

Powertronic HID Ballast



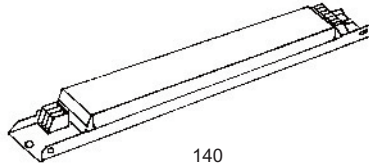
138



139

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
138	PTO70DIM	70	HID	133	77	48	DALI dimmable
138	PTO150DIM	150	HID	158	94	48	DALI dimmable
138	PTI20S	20	HID	97	43	30	
138	PTI35S	35	HID	110	75	30	
138	PTI2X35S	2x35	HID	165	90	30	now obsolete
138	PTI70S	70	HID	110	75	30	
138	PTI2X70S	2x70	HID	165	90	30	now obsolete
138	PTI100S	100	HID	150	85	31	
138	PTI150S	150	HID	150	85	31	
139	PTI35I	35	HID	171	83	32	strain relief
139	PTI70I	70	HID	171	83	32	strain relief
139	PTI150I	150	HID	212	93	33	strain relief
138	PT-FIT35S	35	HID	110	75	30	
138	PT-FIT50S	50	HID	110	75	30	
138	PT-FIT70S	70	HID	110	75	30	
139	PT-FIT35I	35	HID	172	83	32	strain relief
139	PT-FIT50I	50	HID	172	83	32	strain relief
139	PT-FIT70I	70	HID	172	83	32	strain relief

HID denotes HCl , HQI , NAV & MH lamps.

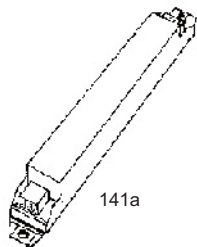


140

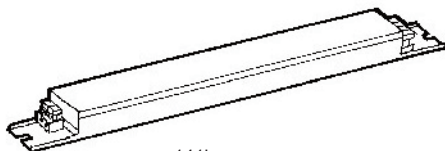
No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
140	HFP118TLDE111	1x18	T8	280	30	28	Performer III range
140	HFP136TLDE111	1x36	T8	280	30	28	Performer III range
140	HFP158TLDE111	1x58	T8	280	30	28	Performer III range
140	HFP170TLDE111	1x70	T8	280	30	28	Performer III range
140	HFP218TLDE111	2x18	T8	280	30	28	Performer III range
140	HFP236TLDE111	2x36	T8	280	30	28	Performer III range
140	HFP258TLDE111	2x58	T8	280	30	28	Performer III range
140	HFP270TLDE111	2x70	T8	280	30	28	Performer III range
140	HFP3/418TLDE11	3/4x18	T8	280	40	28	Performer II range
140	HFPXT136TLDE11	1x36	T8	360	30	28	XTREME range
140	HFPXT158TLDE11	1x58	T8	360	30	28	XTREME range
140	HFPXT236TLDE11	2x36	T8	360	30	28	XTREME range
140	HFPXT258TLDE11	2x58	T8	360	30	28	XTREME range
140	HFPXT149TLDE11	1x49	T8	360	30	28	XTREME range
140	HFPXT249TLDE11	2x49	T8	360	30	28	XTREME range
140	HFPXT154TLDE11	1x54	T8	360	30	28	XTREME range
140	HFPXT254TLDE11	2x54	T8	360	30	28	XTREME range
140	HFPXT180TLDE11	1x80	T8	360	30	28	XTREME range
140	HFPXT280TLDE11	2x80	T8	425	30	28	XTREME range

Philips Lighting

Electronic HF Ballasts

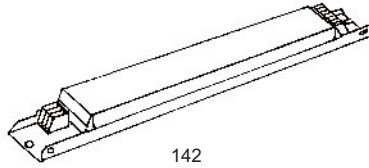


141a



141b

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
141a	HFE118TLD	1x18	T8	150	40	28	now obsolete
141a	HFE218TLD	2x18	T8	150	40	28	now obsolete
141b	HFE418TLD	4x18	T8	211	40	30	now obsolete
141a	HFE136TLD	1x36	T8	150	40	28	now obsolete
141b	HFE236TLD	2x36	T8	211	40	30	now obsolete
141b	HFE158TLD	1x58	T8	150	40	28	essential range
141b	HFE258TLD	2x58	T8	211	40	30	now obsolete
141b	HFE114TL5	1x14	T5	280	28	22	essential range
141b	HFE214TL5	2x14	T5	280	28	22	essential range
141b	HFE414TL5	4x14	T5	360	30	22	essential range
141b	HFE121TL5	1x21	T5	280	28	22	essential range
141b	HFE221TL5	2x21	T5	280	28	22	now obsolete
141b	HFE128TL5	1x28	T5	280	28	22	essential range
141b	HFE228TL5	2x28	T5	280	28	22	essential range
141b	HFE149TL5	1x49	T5	280	28	22	now obsolete
141b	HFE249TL5	2x49	T5	280	28	22	essential range
141b	HFE154TL5	1x54	T5	280	28	22	essential range
141b	HFE254TL5	2x54	T5	280	28	22	now obsolete
141b	HFP136PLL111	1x36	PLL	280	30	28	performer range
141b	HFP236PLL111	2x36	PLL	280	30	28	performer range
141b	HFP140PLL111	1x40	PLL	280	30	28	performer range
141b	HFP240PLL111	2x40	PLL	280	30	28	performer range
141b	HFP155PLL111	1x55	PLL	280	30	28	performer range
141b	HFP255PLL111	2x55	PLL	280	30	28	performer range

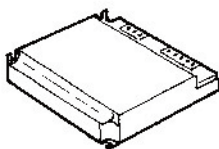


142

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
142	HFP114-35TL5	1x14/21/28/35	T5	360	30	22	HE 111
142	HFP214-35TL5	2x14/21/28/35	T5	360	30	22	HE 111
142	HFP124/39TL5	1x24/39	T5	360	30	22	111
142	HFP224/39TL5	2x24/39	T5	360	30	22	111
142	HFP149TL5	1x49	T5	360	30	22	HO 111
142	HFP249TL5	2x49	T5	360	30	22	HO 111
142	HFP154/55TL5/PLL	1x54	T5	360	30	22	also 1x55 PLL HO 111
142	HFP254/55TL5/PLL	2x54	T5	360	30	22	also 2x55 PLL HO 111
142	HFP154/55TL5/PLL	1x54	T5	360	30	22	also 1x55 PLL HO 111
142	HFP254/55TL5/PLL	2x54	T5	360	30	22	also 2x55 PLL HO 111
142	HFP180TL5/PLL	1x80	T5	360	30	22	also 1x80 PLL 111
142	HFP280TL5/PLL	2x80	T5	425	30	21	also 2x80 PLL 111
142	HFP3/414TL5	3/4x14	T5	360	30	22	111
142	HFPi114/21/24/39TL5	1x14/21/24/39	T5	360	30	22	
142	HFPi214/21/24/39TL5	2x14/21/24/39	T5	360	30	22	
142	HFPi3/414TL5/PLL	3/4x14	T5	360	30	22	also pll
142	HFPi128/35/49/54TL5	1x28/35/49/54	T5	360	30	22	
142	HFPi228/35/49/54TL5	1x28/35/49/54	T5	360	30	22	
142	HFPi128/35/49/80TL5	1x28/35/49/54/80	T5	360	30	22	

Philips Lighting

Electronic HF Ballasts

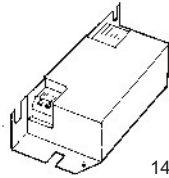


143

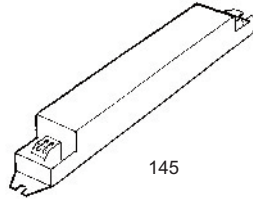
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
143	HFP155TL5C	1x55 T5C	103	67	30	
143	HFP160TL5C	1x60 T5C	103	67	30	
143	HFP118PLT/C/III	1x18 PLT/C	103	67	30	Performer III
143	HFP218PLT/C/III	2x18 PLT/C	103	67	30	Performer III
143	HFP113-17PLT/C/R	1x13-17 PLT/C/R	103	67	30	EII
143	HFP118PLT/CEII	1x18 PLT/C	103	67	30	EII
143	HFP122-42PLT/C/L/T5C	1x22-42 PLT/C	103	67	30	+PLL/T5C EII
143	HFP213-17PLT/C/R	2x13-17 PLT/C/R	103	67	30	EII
143	HFP218PLT/CEII	2x18 PLT/C	103	67	30	EII
143	HFP222-42PLT/C/L/T5C	2x22-42 PLT/C	103	67	30	+PLL/T5C EII

Philips Lighting

Electronic HF Matchbox Ballasts



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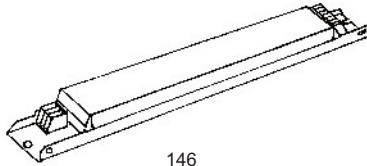
145

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
144	HFMRED109SH	6-11 CL	80	40	22	matchbox square
144	HFMRED114SH	10-13 CL 14 T5	80	40	22	matchbox square
144	HFMRED118SH	18	80	40	22	matchbox square
144	HFMRED124SH	18-24 22 T5C	94	40	22	matchbox square
144	HFMRED209SH	2x9	80	40	22	matchbox square
144	HFMBLUE124SH	18-24	94	40	22	matchbox square
145	HFMBLUE105LH	4-5	144	22	22	slim
145	HFMBLUE109LH	6-11 CL	144	22	22	slim
145	HFMBLUE114LH	10-13 CL 14 T5	144	22	22	slim
145	HFMBLUE121LH	21 T5	187	22	22	slim
145	HFMBLUE124LH	18-24	187	22	22	slim
145	HFMBLUE128LH	28 T5	187	22	22	slim

The Blue version is for switching between 3 and 8 times per day.
The Red version is for frequent switching

Philips Lighting

Electronic HF Dimming Ballasts



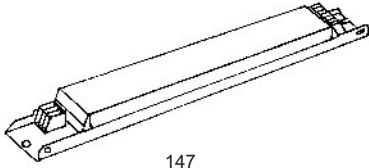
146

TOUCH & DALI

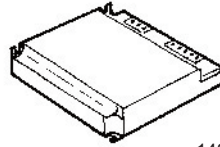
No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
146	HFRTD118TLDEII	1x18	T8	360	30	22	Touch and DALI - obsolete
146	HFRTD136TLDEII	1x36	T8	360	30	22	Touch and DALI - obsolete
146	HFRTD158TLDEII	1x58	T8	360	30	22	Touch and DALI - obsolete
146	HFRTD218TLDEII	2x18	T8	360	30	22	Touch and DALI - obsolete
146	HFRTD236TLDEII	2x36	T8	360	30	22	Touch and DALI - obsolete
146	HFRTD258TLDEII	2x58	T8	360	30	22	Touch and DALI - obsolete
146	HFRTD418TLDEII	4x18	T8	359	39	22	Touch and DALI - obsolete
146	HFRiTD1/14/21/24/39TL5	1x14/21/24/39	T5	359	30	21	Intelligent Touch & DALI
146	HFRiTD1/28/35/49/54TL5	1x28/35/49/54	T5	360	30	22	Intelligent Touch & DALI
146	HFRiTD1/35/49/80TL5	1x35/49/80	T5	360	30	22	Intelligent Touch & DALI
146	HFRiTD2/14/21/24/39TL5	2x14/21/24/39	T5	359	30	21	Intelligent Touch & DALI
146	HFRiTD2/28/35/49/54TL5	2x28/35/49/54	T5	360	30	22	Intelligent Touch & DALI
146	HFRTD1/14-35TL5EII	1x14/21/28/35	T5	360	30	22	Touch and DALI - obsolete
146	HFRTD124TL5PLL/EII	1x24	T5/PLL	360	30	22	Touch and DALI - obsolete
146	HFRTD139TL5EII	1x39	T5	360	30	22	Touch and DALI - obsolete
146	HFRTD149TL5EII	1x49	T5	360	30	22	Touch and DALI - obsolete
146	HFRTD154TL5EII	1x54	T5	360	30	22	Touch and DALI - obsolete
146	HFRTD180TL5EII	1x80	T5	360	30	22	Touch and DALI - obsolete
146	HFRTD214-35TL5EII	2x14/21/28/35	T5	360	30	22	Touch and DALI
146	HFRTD224TL5EII	2x24	T5	360	30	22	Touch and DALI
146	HFRTD249TL5EII	2x49	T5	360	30	22	Touch and DALI
146	HFRTD254TL5EII	2x54	T5	360	30	22	Touch and DALI
146	HFRTD280TL5/PLLEII	2x80	T5/PLL	425	30	22	Touch and DALI
146	HFRTD295-120TL5EII	2x95-120	T5	425	39	28	Touch and DALI VHO
146	HFRTD314TL5EII	3x14	T5	359	39	22	Touch and DALI
146	HFRTD414TL5EII	4x14	T5	359	39	22	Touch and DALI

Philips Lighting

Electronic HF Dimming Ballasts



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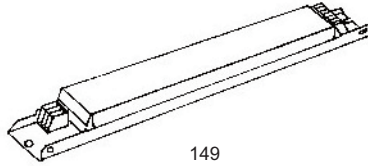
TOUCH and DALI dimming control gear

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
147	HFRTD136PLLEII	1x36	PLL	360	30	22	Touch and DALI
147	HFRTD140PLLEII	1x40	PLL	360	30	22	Touch and DALI
147	HFRTD155PLLEII	1x55	PLL	360	30	22	Touch and DALI
147	HFRTD236PLLEII	2x36	PLL	360	30	22	Touch and DALI
147	HFRTD240PLLEII	2x40	PLL	360	30	22	Touch and DALI
147	HFRTD255PLLEII	2x55	PLL	360	30	22	Touch and DALI
148	HFRDALI140TL5C	1x40	T5C	123	79	33	Touch and DALI
148	HFRTD114-17PLREII	1x14-17	PLR	123	79	33	Touch and DALI
148	HFRTD118PLT/CEII	1x18	PLT/C	123	79	33	Touch and DALI
148	HFRTD214-17PLREII	2x14-17	PLR	123	79	33	Touch and DALI
148	HFRTD218PLT/CEII	2x18	PLT/C	123	79	33	Touch and DALI
148	HFRTD126-42PLT/CEII	1x26/32/42	PLT/C	123	79	33	Touch and DALI
148	HFRTD226-42PLT/CEII	2x26/32/42	PLT/C	123	79	33	Touch and DALI

The above are being replaced by the HF-R I versions.

Philips Lighting

Electronic HF Dimming Ballasts



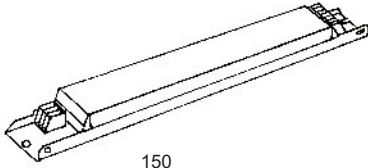
149

1-10V dimming

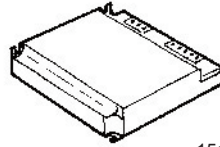
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
149	HFR118TLDE11	1x18	T8	360	30	22	1-10V DC
149	HFR136TLDE11	1x36	T8	360	30	22	1-10V DC
149	HFR158TLDE11	1x58	T8	360	30	22	1-10V DC
149	HFR218TLDE11	2x18	T8	360	30	22	1-10V DC
149	HFR236TLDE11	2x36	T8	360	30	22	1-10V DC
149	HFR258TLDE11	2x58	T8	360	30	22	1-10V DC
149	HFR318TLDE11	3x18	T8	360	39	22	1-10V DC
149	HFR418TLDE11	4x18	T8	360	39	22	1-10V DC
149	HFR114-35TL5E11	1x14/21/28/35	T5	360	30	22	1-10V DC
149	HFR124TL5/PLLE11	1x24	T5/PLL	360	30	22	1-10V DC
149	HFR139TL5E11	1x39	T5	360	30	22	1-10V DC
149	HFR149TL5E11	1x49	T5	360	30	22	1-10V DC
149	HFR154TL5E11	1x54	T5	360	30	22	1-10V DC
149	HFR180TL5/PLLE11	1x80	T5/PLL	360	30	22	1-10V DC
149	HFR214-35TL5E11	2x14/21/28/35	T5	360	30	22	1-10V DC
149	HFR224TL5/PLLE11	2x24	T5/PLL	360	30	22	1-10V DC
149	HFR239TL5E11	2x39	T5	360	30	22	1-10V DC
149	HFR249TL5E11	2x49	T5	360	30	22	1-10V DC
149	HFR254TL5E11	2x54	T5	360	30	22	1-10V DC
149	HFR280TL5/PLLE11	2x80	T5/PLL	425	30	22	1-10V DC
149	HFR295-120TL5E11	2x95/120	T5	425	39	28	1-10V DC
149	HFR314TL5E11	3x14	T5	359	39	22	1-10V DC
149	HFR324TL5/PLLE11	3x24	T5/PLL	359	39	22	1-10V DC
149	HFR414TL5E11	4x14	T5	359	39	22	1-10V DC
149	HFR424TL5/PLLE11	4x24	T5/PLL	359	39	22	1-10V DC

Philips Lighting

Electronic HF Dimming Ballasts



150



151

1-10V dimming

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
150	HFR136PLLE11	1x36	PLL	360	30	22	1-10V DC
150	HFR140PLLE11	1x40	PLL	360	30	22	1-10V DC
150	HFR155PLLE11	1x55	PLL	360	30	22	1-10V DC
150	HFR236PLLE11	2x36	PLL	360	30	22	1-10V DC
150	HFR240PLLE11	2x40	PLL	360	30	22	1-10V DC
150	HFR255PLLE11	2x55	PLL	360	30	22	1-10V DC
151	HFR122TL5C	1x22	T5C	103	67	30	1-10V DC - obsolete
151	HFR140TL5C	1x40	T5C	103	67	30	1-10V DC - obsolete
151	HFR118PLT/C	1x18	PLT/C	123	79	33	1-10V DC
151	HFR126-42PLT/CE11	1x26/32/42	PLT/C	123	79	33	1-10V DC
151	HFR218PLT/C	2x18	PLT/C	123	79	33	1-10V DC
151	HFR226-42PLT/CE11	2x26/32/42	PLT/C	123	79	33	1-10V DC

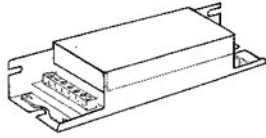
LED ELECTRONIC DRIVERS

We stock a full range of Philips LED drivers and modules from the Fortimo , Xitanium and Certadrive product families.

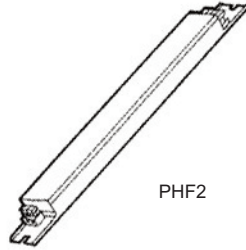
Please contact our sales office for details

Philips Lighting

Emergency Lighting Control Gear



PHF1

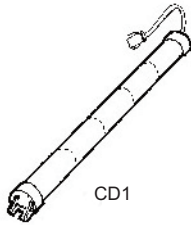


PHF2

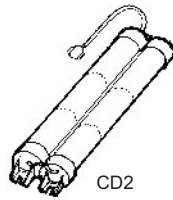
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
PHF2	PHF-EL3-L6	14-80 T5 (T8 CL)	290	30	21	6 cell NIMH	
PHF1	PHF-EL3-3	4-36	165	45	29	3 cell NICD	
PHF1	PHF-EL3-4	4-58	165	45	29	4 cell NICD	
PHF1	PHF-EL3-5	4-70	165	45	29	5 cell NICD	
PHF1	PHF-EL3-6	4-100	165	45	29	6 cell NICD	
PHF1	PHF-EL3-3/14	14 T5	165	45	29	3 cell NICD	
PHF1	PHF-EL3-4/14-24	14/25 T5	165	45	29	4 cell NICD	
PHF1	PHF-EL3-6/35-49	35+49 T5	165	45	29	6 cell NICD	
PHF1	PHF-EL3-6/28-54	28/54 T5	165	45	29	6 cell NICD	
PHF1	PHF-EL3-6/55	18-55 CL + 2D	165	45	29	6 cell NICD	
PHF1	PHL-EL3	6-55V	165	45	29	3 cell NICD (2-20 LED)	LED
PHF1	PHL-EL3-80	15-80V	165	45	29	3 cell NICD (2-20 LED)	LED
PHF1	PHL-EL3-D	6-55V	165	45	29	3 cell NICD DALI	LED
PHF1	PHL-EL3-D80	15-80V	165	45	29	3 cell NICD DALI	LED
-	PHL-EL3-4					4cell NIMH	LED
-	PHL-EL3-S3W	700mA	152	26.5	28.5	3 cell NIMH constant current	LED
-	PHL-EL3-3W	700mA	152	26.5	28.5	3 cell NIMH constant current	LED

Philips Lighting

Emergency Lighting Control Gear

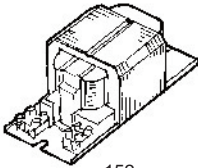


CD1

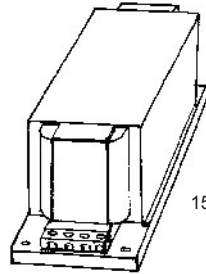


CD2

No.	Catalogue Number	Type	Size			Detail		
			L	W	H			
CD1	PHB-EL3-C3-S	stick	3 cell	221	37	Ø	4.5Ah	NICD
CD1	PHB-EL3-C3-FL	stick	3 cell	221	37	Ø		
CD1	PHB-EL3-C4-S	stick	4 cell	280	37	Ø	4.5Ah	NICD
CD1	PHB-EL3-C5-S	stick	5 cell	340	37	Ø	4.5Ah	NICD
CD2	PHB-EL3-C6-TS	twin stick	6 cell	2x220	37	Ø	2X3 or 3+3	
CD1	PHB-EL3-M3-S	stick	3 cell	240	22	Ø		NIMH
CD1	PHB-EL3-M3-T	stick	3 cell	240	22	Ø		NIMH
CD2	PHB-EL3-M4-TS	twin stick	4 cell	2x170	22	Ø	2+2	NIMH
CD2	PHB-EL3-M5-TS	twin stick	5 cell	240	160		3+2	NIMH
CD2	PHB-EL3-M6-TS	twin stick	6 cell	240	37	70	3+3	NIMH
-	PHI-EL3-24						downlight 3W max	
-	PHI-EL3-30P						clip on louvre	
-	PHI-EL3-LI						LED indicator	



152

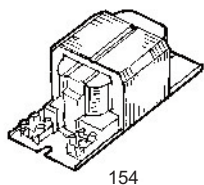


153

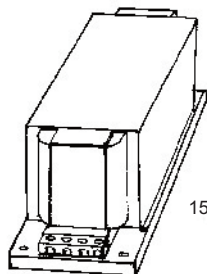
No.	Catalogue Number	Lamp	Size			Detail	Cap.
			L	W	H		
152	BSN50 K407ITS	50 HPS/MH	118	61	52		10
152	BSN70 K407ITS	70 HPS/MH	118	61	52		12
152	BSN100 K407ITS	100 HPS/MH	123	61	52		12
152	BSN150 K407ITS	150 HPS/MH	134	76	65		20
152	BSN250 K407ITS	250 HPS/MH	160	76	65		30
152	BSN400 K407ITS	400 HPS/MH	166	97	83		45
152	BSN70 L34TS	70 HPS/MH	118	65	53	heavy duty	12
152	BSN100 L34TS	100 HPS/MH	123	65	53	heavy duty	12
152	BSN150 L34TS	150 HPS/MH	134	81	66	heavy duty	20
152	BSN250 L34TS	250 HPS/MH	160	81	66	heavy duty	30
152	BSN400 L34TS	400 HPS/MH	166	102	84	heavy duty	45
153	BSN1000 L307A	1KW HPS/MH	228	126	112	240V	65
153	BSN1000 L78	1KW HPS/MH	257	117	102	240V	65
152	BSN70/50 K407TS	50/70 HPS/MH	118	61	52	dual wattage	12/10
152	BSN100/70 K407TS	70/100 HPS/MH	123	61	52	dual wattage	12
152	BSN150/100 K407TS	100/150 HPS/MH	134	76	65	dual wattage	20/12
152	BSN150/250 K407TS	150/250 HPS/MH	166	97	83	dual wattage	20/30
152	BSN400/250 K407TS	400/250 HPS/MH	166	97	83	dual wattage	45/30

Philips Lighting

MH Ballasts



154



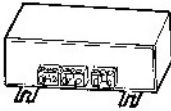
155

No.	Catalogue Number	Lamp	Size			Detail	Cap.
			L	W	H		
154	BMH35 K407ITS	35 MH	118	61	52		6
154	BMH70 K407ITS	70 MH	118	61	52		12
155	BHD2000 L76	2KW 415V	317	117	102	380/400/415V	*440V 35
155	BHD2000 L77	2KW 415V	317	117	102	400/415/430V	*440V 35
155	BHL2000 L76	2KW 415V	317	117	102	380/400/415V	*440V 35
155	BHL2000 L78	2KW 240V	317	117	102	230/240V	125
155	BMH1800 L78	1.8KW 240V	317	117	102	230/240V	*250V 100
155	BMH2000 L5018A	2KW MHN	317	126	126	380/400/415V	*440V 35

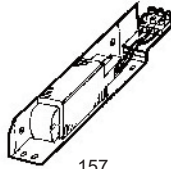
* - this is the voltage rating for the capacitor.

154	BHL50/80 K407	50/80 HPMV	118	61	52		6/8
154	BHL80/125 K307	80/125 HPMV	118	61	52		6/8
154	BHL250 K307	250 HPMV	134	76	65	+ M.H	30
154	BHL400 K307	400 HPMV	160	76	65	+ M.H	45
155	BHL1000 L78	1000 HPMV	207	117	102	230/240V	65

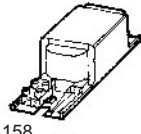
Please check with our sales team for lamp compatibility



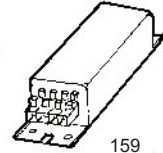
156



157



158



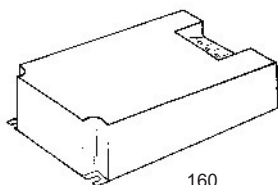
159

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
158	BSL50K307TS	50	SDW	118	61	52	ballast only
158	BSL100K307TS	100	SDW	118	61	52	ballast only
156	CSLS35	35	SDW	98	46	39	controller
156	CSLS50	50	SDW	98	46	39	controller
156	CSLS100	100	SDW	98	46	39	controller
157	BSX35/55L82	35/55	SOX	196	39	28	on bracket
-	BSX35/55L82	35/55	SOX	118	61	52	ballast only- BCO_196
158	BSX90L32	90	SOX	185	65	53	
159	BSX91H96	91	SOX	149	80	67	constant wattage ballast
159	BSX131H96	131	SOX	178	100	74	constant wattage ballast
159	BSX135H96	135	SOX	149	80	67	constant wattage ballast
159	BSX180H96	180	SOX	178	100	78	constant wattage ballast

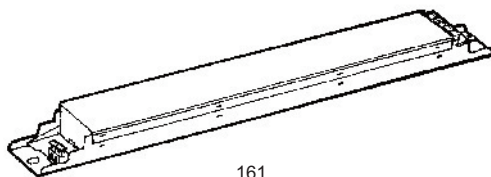
constant wattage ballast requires an external ignitor

Philips Lighting

Electronic HID Ballasts



160
CDM

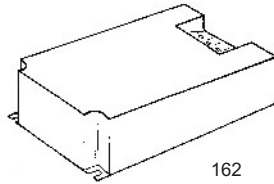


161
SOX

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
160	HIDPVC35/S CDM	35 CDM	109	75	32	terminal block
160	HIDPVC50/S CDM	50 CDM	109	75	32	terminal block
160	HIDPVC70/S CDM	70 CDM	109	75	32	terminal block
160	HIDPVC100/S CDM	100 CDM	135	75	32	terminal block
160	HIDPVC150/S CDM	150 CDM	135	75	32	terminal block
160	HIDPVC2X35/S CDM	2x35 CDM	135	75	32	terminal block
160	HIDPVC2X70/S CDM	2x70 CDM	165	75	32	terminal block
as160	HIDPVC35/I CDM	35 CDM	188	62	35	covered terminals
as160	HIDPVC50/I CDM	50 CDM	188	62	35	covered terminals
as160	HIDPVC70/I CDM	70 CDM	188	62	35	covered terminals
as160	HIDPVC100/I CDM	100 CDM	224	83	35	covered terminals
as160	HIDPVC150/I CDM	150 CDM	224	83	35	covered terminals
as160	HIDPVC2X35/I CDM	2x35 CDM	245	94	35	covered terminals
as160	HIDPVC2X70/I CDM	2x70 CDM	245	94	35	covered terminals
as160	HIDPVC35/C CDM	35 CDM	162	83	32	covered terminals
as160	HIDPVC50/C CDM	50 CDM	162	83	32	covered terminals
as160	HIDPVC70/C CDM	70 CDM	162	83	32	covered terminals
161	EXC35SOX	35 SOX	280	39	28	
161	EXC36SOX	36 SOX	280	39	28	
161	EXC55SOX	55 SOX	280	39	28	

P version = PCB board on request

Primavision mini version available on request



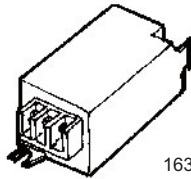
Primavision economy for CDM lamps

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
162	HIDAVC35/S	35	CDM	110	75	32	terminal block
162	HIDAVC35-70/S	35/50/70	CDM	110	75	32	terminal block
162	HIDAVC35/C	35	CDM	163	83	32	terminal block
162	HIDAVC50/C	50	CDM	163	83	32	terminal block
162	HIDAVC35-70/C	35/50/70	CDM	163	83	32	terminal block
as 162	HIDAVC35-70/I	35/50/70	CDM	188	83	35	terminal cover
as 162	HIDAVC50/I	50	CDM	188	83	35	terminal cover
162	HIDAVCDALI70/S	70	CDM	188	83	35	DALI

XTREME range for outdoor use available on request

Philips Lighting

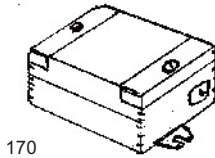
Electronic Ignitors



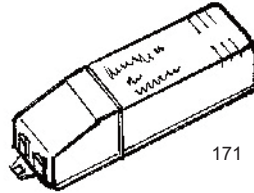
163

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
163	SI51	250-400	MH	85	41	38	2 wire (across lamp)
163	SI52	250-400	MH	85	41	38	2 wire (using tapping)
163	SI54	2KW 415V	MH	115	41	38	2 wire (across lamp)
163	SN57	50/70	HPS	85	41	38	3 wire (impulse)
163	SN57S	50/70	HPS	89	41	38	3 wire (impulse stud fix)
163	SND57	50/70	HPS	85	41	38	3 wire (impulse digital)
163	SN58	100-600	HPS	85	41	38	3 wire (impulse)
163	SN58S	100-600	HPS	89	41	38	3 wire (impulse stud fix)
163	SND58	100-600	HPS	85	41	38	3 wire (impulse digital)
163	SN59	1000 HPS 1800 MHN		114	41	38	3 wire (impulse) - diff. wiring
163	SN61	1000 HPS 1800 MH		114	41	38	3 wire (impulse) - diff. wiring
163	SU10-S	50/70 HPS/CDO/MH		78	36	32	3 wire (S.I.P.)
163	SUD10-S	50/70 HPS/CDO/MH		78	36	32	3 wire (S.I.P. digital)
163	SU40-S	100-400 HPS/CDO/MH		78	36	32	3 wire (S.I.P.)
163	SUD40-S	100-400 HPS/CDO/MH		78	36	32	3 wire (S.I.P. digital)
163	SX26	26/35	SOX	114	41	38	2 wire (across lamp)
163	SX70	90	SOX	114	41	38	2 wire (across lamp) *
163	SX72	36/55	SOX	114	41	38	2 wire (across lamp) *
163	SX73	180	SOX	114	41	38	3 wire (across lamp) *
163	SX74	91/135	SOX	114	41	38	2 wire (across lamp) *
163	SX76	66/90	SOX	114	41	38	2 wire (across lamp) *
163	SX131	131	SOX	85	42	38	3 wire (across lamp) *
163	SKD578	35-600	HPS/MH	64	41	28	digital semi parallel
163	SKD578S	35-600	HPS/MH	64	41	28	digital semi parallel (stud)
163	SK578	35-600	HPS/MH	64	41	28	semi parallel
163	SK578S	35-600	HPS/MH	64	41	28	semi parallel (stud)

* - to be used with a constant wattage ballast
Please check with our sales office for suitable wattages



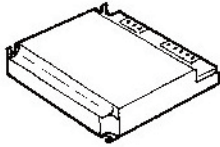
170



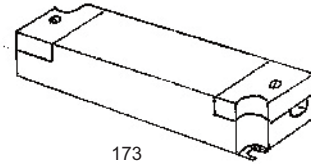
171

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
170	MINIPOWERLED350 6W	350mA	24V DC	65	35	21	RN1393	Constant I + V
170	MINIPOWERLED700 6W	700mA	12V DC	65	35	21	RN1397	Constant I + V
170	POWERLED350 6W	350mA	6W	82	43	23	RN1436	Constant Current
170	POWERLED700 6W	700mA	6W	82	43	23	RN1437	Constant Current
171	MINILED10-15W	10V DC	15W	123	38	28	RN1365	Constant Voltage
171	MINILED12-15W	12V DC	15W	123	38	28	RN1367	Constant Voltage
171	MINILED24-25W	24V DC	25W	123	38	28	RN1366	Constant Voltage
171	MINIFOX60PFS CAB	12V	20-60W	94	34	23	RN1362SIL	12V LV
171	FOX105PFS TH	12V	20-105W	124	39	28	RN1600	12V LV
171	FOX150PFS TH	12V	50-150W	149	50	33	RN1684	12V LV
171	FOX200PFS TH	12V	100-200W	166	60	43	RN1680	12V LV
Spec	BRAVO110SPF	12V	35-110W	88Ø	31		RN1171	12V LV round ceiling mounted transformer

LED/12V L.V.



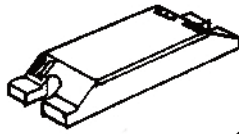
172



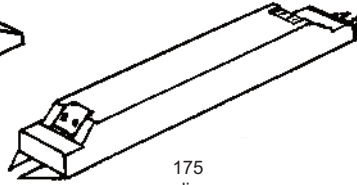
173

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
172	PTDCCD1535010	350mA	17W	103	67	30	Constant Current	48V DC
172	PTDCCD1570010	700mA	17W	103	67	30	Constant Current	24V DC
173	PTDCCD10350B	350mA	10W	115	34	19	Constant Current	
173	PTDCCD10500B	500mA	9W	115	34	19	Constant Current	
173	PTDCCD10700B	700mA	9W	115	34	19	Constant Current	
172	JOLLYPOWERMINILED65	50V DC	various	124	76	22	Constant Current	RN9165
		700/1000/1400/1800mA						
as 173	PTDCCL10350B	350mA	10W	144	22	22	Constant Current	
as 173	PTDCCL10700B	700mA	10W	144	22	22	Constant Current	
173	POWERLED350-20W	350mA	20W	145	50	22	Constant Current	
173	POWERLED500-20W	500mA	20W	145	50	22	Constant Current	
173	POWERLED700-20W	700mA	20W	145	50	22	Constant Current	

Dimmable LED drivers available on request
T2/T5/T8 ballasts - contact our sales office



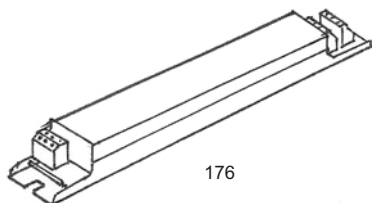
174
matchbox



175
slim

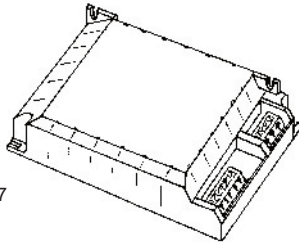
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
174	BCC116	4-14 T5 7-11 CL 10/16 2D	80	41	18	
174	BCC121	14-21 T5 13-18 CL	80	41	18	
174	BCC122	21/28 2D	80	41	18	also 22 T5C
174	BCC124	24 T5 15/18 T8 18-24TCL	80	41	18	
174	BCC126	24 T5 24 TCL 26 CL	80	41	18	also 22 T5C
174	BCC128	28 T5	80	41	18	
175	BCC116L	4-14 T5 7-11 CL 10/28 2D	150	22	19	
175	BCC121L	14-21 T5 13-18 CL	150	22	19	
175	BCC122L	21/28 2D	150	22	19	also 22 T5C
175	BCC124L	24 T5 15/18 T8 18-24TCL	150	22	19	
175	BCC126L	24 T5 24 TCL 26 CL	150	22	19	also 22 T5C
175	BCC128L	28 T5	150	22	19	
as 175	BCC121/2SL	as above	150	22	19	terminal covers
as 175	BCC128/2SL	as above	150	22	19	terminal covers

Electronic HF Ballasts



176

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
176	BTL8 136	1x30/36 T8	237	30	28.5	also 24W CL
176	BTL8 158	1x58 T8 55 CL	237	30	28.5	
176	BTL8 236	2x30/36 T8	237	30	28.5	
176	BTL8 258	2x58 T8 55 CL	360	30	28.5	
176	BTL8 3-418	3/4x18 T8	280	40	29	
176	BTLT 121	1x14/21 T5	237	30	21	
176	BTLT 135	1x21/28/35 T5	237	30	21	
176	BTLT 139	1x24/39 T5 1x24-40 TCL 1x36 T8	237	30	21	
176	BTLT 154	1x54 T5 1x58 TCL 1x58/70 T8	237	30	21	
176	BTLT 221	2x14/21 T5	237	30	21	
176	BTLT 235	2x21/28/35 T5	237	30	21	
176	BTLT 239	2x39 T5 2x24-40 TCL 2x36 T8	360	30	21	
176	BTLT 249	2x49 T5	360	30	21	
176	BTLT 254	2x54 T5 2x55 TCL 2x58/70 T8	360	30	21	
176	BTL 414	3/4x14 T5 3x21 T5	280	40	21	
176	BTL 221	3/4x24 T5	425	40	21	



177

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
177	BCQ113	1x13	CL	103	67	31	
177	BCQ118	1x18	CL	103	67	31	
177	BCQ124	1x18-24	TCL	103	67	31	
177	BCQ126	1x26	CL	103	67	31	
177	BCQ142	1x18-24	TCL	103	67	31	
		1x26/32/42	CL				
177	BCQ155	1x55/60	T5C	124	79	31	
177	BCQ213	2x13	CL	103	67	31	
177	BCQ218	2x18	CL	103	67	31	
177	BCQ224	2x18-24	CL	103	67	31	
177	BCQ226	2x26	CL	103	67	31	
177	BCQ242	2x18-24	CL	124	79	34	
177	MBQ242/2	1x26-70	CL	123	79	22	terminal cover
		2x26-42	CL				

1-10V dimmable versions on request

LED

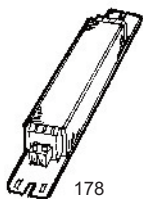
example :

**DC ranges: DC DCQ
DC LV**

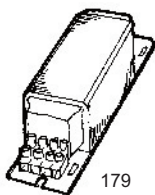
**DC JOLLY: DC LS
DC EFU**

Details on request

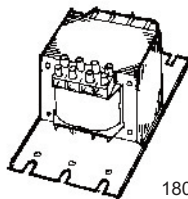
See separate **LED PRODUCT CATALOGUE**



178



179



180

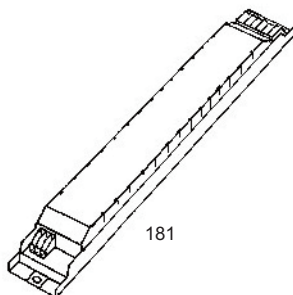
No.	Catalogue Number	Lamp	Size			Detail	Cap.
			L	W	H		
178	LN50S	50 HPS	190	41	31	slim 240V	8
178	LN70S/S	70 HPS	230	41	31	slim 240V	10
179	LN50HT	50 HPS/MH	104	66	46	220/240V	10
179	LN70HT	70 HPS/MH	122	66	46	220/240V	10
179	LN100HT	100 HPS/MH	132	66	46	220/240V	12
179	LN150HT	150 HPS/MH	162	66	46	220/240V	20
180	LN150F2T	150 HPS/MH	150	99	89	220/240V	20
180	LN250F2T	250 HPS/MH	150	99	89	220/240V	30
180	LN400F2T	400 HPS/MH	150	99	89	220/240V	40
179	LN70HT	70 MH	122	66	46	220/240V	10
179	LN150HT	150 MH	162	66	46	220/240V	20
178	LX35S	35 SOX	190	41	31	slim	8
179	LX35H	35 SOX	122	66	46	slim	8
179	LX55H	55 SOX	122	66	46	slim	6
178	LG125S	125 MBF	230	41	31	obsolete	10
179	LG250HT	250 MBF	162	66	46	220/240V	16

Magnetic Ballasts

Fluorescent / Discharge / Low Voltage

**All wire wound / magnetic ballasts
ceased production at the end of 2013.**

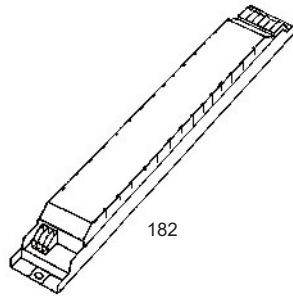
**Please check with our sales office
regarding alternatives**



T8 / TCL

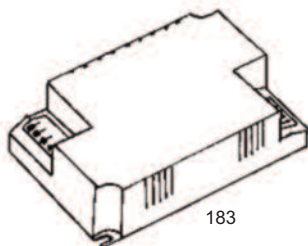
No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
181	PC1X18 T8PRO Ip	1x18	T8	230	30	21	low profile . T8 lamps
181	PC1X36 T8PRO Ip	1x36	T8	230	30	21	low profile . T8 lamps
181	PC1X58 T8PRO Ip	1x58	T8	230	30	21	low profile . T8 lamps
		1x55	TCL				
181	PC2X18 T8PRO Ip	2x18	T8	280	30	21	low profile . T8 lamps
181	PC2X36 T8PRO Ip	2x36	T8	280	30	28	low profile . T8 lamps
181	PC2X58 T8PRO Ip	2x58	T8	280	30	28	low profile . T8 lamps
		2x55	TCL				
181	PC3/4X18 T8PRO Ip	3/4x18	T8	280	30	21	low profile . T8 lamps
181	PC1/30 T8PRO	1x30	T8	234	40	28	
181	PC1/70 T8PRO	1x70	T8	234	40	28	
181	PC2/30 T8PRO	2x30	T8	234	40	28	
181	PC2/70 T8PRO	2x70	T8	360	40	28	
181	PC3/36 T8PRO	3x36	T8	360	40	28	
181	PC4/18 T8PRO	3x36	T8	360	40	28	now obsolete
181	PC1/18/24 TCLPRO	1x18/24	TCL	234	40	28	TCL lamps
181	PC1/36 TCLPRO	1x36	TCL	234	40	28	TCL lamps
181	PC1/40 TCLPRO	1x40	TCL	234	40	28	TCL lamps
181	PC1/55 TCLPRO	1x55	T5C/TCL	234	40	28	TCL lamps
181	PC2/18/24 TCLPRO	2x18/24	TCL	234	40	28	TCL lamps
181	PC2/36 TCLPRO	2x36	TCL	234	40	28	TCL lamps
181	PC2/40 TCLPRO	2x40	TCL	234	40	28	TCL lamps
181	PC2/55 TCLPRO	2x55	TCL	360	40	28	TCL lamps

HF Electronic Ballasts



T5

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
182	PC1X14-35 T5PRO Ip	1x14/21/28/35 T5	280	30	21	T5
182	PC1X24 T5PRO Ip	1x24 TCL/T5	280	30	21	T5
182	PC1X39 T5PRO Ip	1x39 T5	280	30	21	T5
182	PC1X49 T5PRO Ip	1x49 T5	280	30	21	T5
182	PC1X54 T5PRO Ip	1x54 T5	280	30	21	T5
182	PC1X80 T5PRO Ip	1x80 T5	280	30	21	T5
182	PC2X14-35 T5PRO Ip	2x14/21/28/35 T5	360	30	21	T5
182	PC2X24 T5PRO Ip	2x24 TCL/T5	360	30	21	T5
182	PC2X39 T5PRO Ip	2x39 T5	360	30	21	T5
182	PC2X49 T5PRO Ip	2x49 T5	360	30	21	T5
182	PC2X54 T5PRO Ip	2x54 T5	360	30	21	T5
182	PC2X80 T5PRO Ip	2x80 T5	425	30	21	T5
182	PC3/4X14 T5PRO Ip	3/4x14 T5	360	30	21	T5
182	PC3/4X24 T5PRO Ip	3/4x24 T5	360	30	21	T5
182	PC1/14-35/24/39 T5PRO M	1x14/21/28/35 24/39 T5	360	30	21	also 22/40 TSR, T8/TCL
182	PC1/14-35/49/54 T5PRO M	1x14/21/28/35 49/54 T5	360	30	21	also T5R/TCL/T8
182	PC1/14-35/49/80 T5PRO M	1x14/21/28/35 49/80 T5	360	30	21	also T5R/TCL/T8
182	PC2/14-21/24/39T5 PRO M	2x14/21/24/39 T5	360	30	21	also T8/TCL 22/40 T5C
182	PC2/14-35/49/54T5 PRO M	2x14/21/24/35/49/54 T5	360	30	21	also 2x58 T8

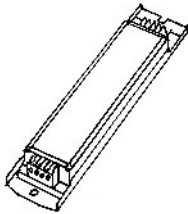


Compact lamps

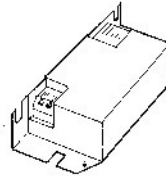
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
183	PC1/2X9-13 TC PRO	1/2x9-13 CL	103	67	31	
183	PC1/2X11-17 TC PRO	1/2x11/14/17 CL	103	67	31	
183	PC1/2X18 TC PRO	1/2x18 CL	103	67	31	
183	PC1/2X26-42 TC PRO	1/2x18/24 CL 1/2x26 CL 1x32/42 CL	103	67	31	+T5C
183	PC2X26-42 TC PRO	2x18/24 CL 2x26/32/42 CL	123	79	31	+T5C
183	PC1X57/70 TC PRO	1x55/70 CL	123	79	31	
as183	PC1/2X11-17 TC PRO SR+	1/2x11/14/17 CL	159	82	34	strain relief + terminal cover
as183	PC1/2X18 TC PRO SR+	1/2x18 CL	159	82	34	strain relief + terminal cover
as183	PC1/2X26-42 TC PRO SR+	1/2x18/24 TCL 1/2x26 CL 1x32/42 CL	159	82	34	strain relief + terminal cover +T5C
as183	PC2X26-42 TC PRO SR+	2x18/24 TCL 2x26/32/42 CL	209	82	34	strain relief + terminal cover +T5C

TOP compact versions available on request

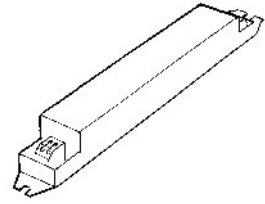
HF Electronic Ballasts



184



185
matchbox

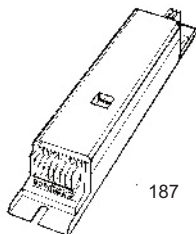


186
slim

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
184	PC1/28 DDPROSC	28	2D	150	40	28	
184	PC1/38 DDPROSC	38	2D	150	40	28	
184	PC1/55 DDPROSC	55	2D	150	40	28	
185	PC1/4-13W BASIC	4-13	T5	80	40	21	10W 2D matchbox
185	PC1X5-16W BASIC	5-13	CL	80	40	21	16W 2D matchbox
185	PC1X18W BASIC	18	CL	80	40	21	matchbox
185	PC1X26WBASIC	26	CL	80	40	21	28W 2D matchbox
186	PC1X8W BASICSL	8	T5	145	22	21	slim
186	PC1X4-13W BASICSL	4-13	T5	145	22	21	10W 2D slim
186	PC1X5-16W BASICSL	5-16	CL	145	22	21	16W 2D slim
186	PC1X14-21W BASICSL	14-21	T5	145	22	21	slim
186	PC1X18W BASICSL	18	CL	145	22	21	slim
186	PC1X18-24W BASICSL	18-24	CL	145	22	21	24W T5 slim
186	PC1X26W BASICSL	26	CL	145	22	21	28W 2D slim

PCB board versions available on request

PCA.. ECO T8 T5

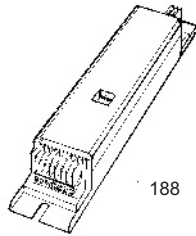


Dimming
DALI & DSI signal

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
187	PCA1X18 T8 ECO Ip	1x18 T8	360	30	21	XITEC II	22185240
187	PCA1X36 T8 ECO Ip	1x36 T8	360	30	21	XITEC II	28000035
187	PCA1X58 T8 ECO Ip	1x58 T8	360	30	21	XITEC II	28000037
187	PCA2X18 T8 ECO Ip	2x18 T8	360	30	21	XITEC II	22185243 7T
187	PCA2X36 T8 ECO Ip	2x36 T8	360	30	21	XITEC II	28000039 7T
187	PCA2X58 T8 ECO Ip	2x58 T8	425	30	21	XITEC II	28000041 7T
	Above - 3 pin smart plug						
187	PCA1X36 T8 ECO	1x36 T8	360	30	21	Ip XITEC	22176354
187	PCA1X58 T8 ECO	1x58 T8	360	30	21	Ip XITEC	22176356
187	PCA2X36 T8 ECO	2x36 T8	360	30	21	Ip XITEC	22176355 8T
187	PCA2X58 T8 ECO	2x58 T8	425	30	21	Ip XITEC	22176356 8T
	Above - 2 pin smart plug						
187	PCA3X18 T8 ECO	3x18 T8	360	40	21	Ip XITEC	22185245
187	PCA4X18 T8ECO	4x18 T8	360	40	21	Ip XITEC	22185248
187	PCA1X14/24 T5 ECO Ip	1x14/24 T5	360	30	28	XITEC II	22185094
187	PCA1X21/39 T5 ECO Ip	1x21/39 T5	360	30	28	XITEC II	22185101
187	PCA1X28/54 T5 ECO Ip	1x28/54 T5	360	30	28	XITEC II	22185099
187	PCA1X35/49/80 T5 ECO Ip	1x35/49/80 T5	360	30	28	XITEC II	22185096
187	PCA2X14/24 T5 ECO Ip	2x14/24 T5	360	30	28	XITEC II	22185095
187	PCA2X21/39 T5 ECO Ip	2x21/39 T5	360	30	28	XITEC II	22185102
187	PCA2X28/54 T5 ECO Ip	2x28/54 T5	425	30	28	XITEC II	22185100
187	PCA2X35/49 T5 ECO Ip	2x35/49 T5	360	30	28	XITEC II	22185097
187	PCA2X80 T5 ECO Ip	2x80 T5	425	30	28	XITEC II	22185098
187	PCA3X14/24 T5 ECO	3x14/24 T5	360	40	28	Ip XITEC	22176211
187	PCA4X14/24 T5 ECO	4x14/24 T5	360	40	28	Ip XITEC	22176212

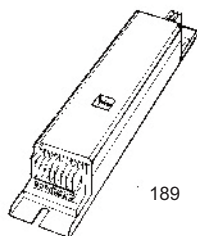
Electronic Dimming Ballasts - Basic

PCA.. BASIC T8 T5



No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
188	PCA1X18 T8 BASIC Ip	1x18 T8	360	30	21	XITEC II	22185241
188	PCA1X36 T8 BASIC Ip	1x36 T8	360	30	21	XITEC II	28000042
188	PCA1X58 T8 BASIC Ip	1x58 T8	360	30	21	XITEC II	28000043
188	PCA2X18 T8 BASIC Ip	2x18 T8	360	30	21	XITEC II	22185244
188	PCA2X36 T8 BASIC Ip	2x36 T8	360	30	21	XITEC II	28000044
188	PCA2X58 T8 BASIC Ip	2x58 T8	425	30	21	XITEC II	28000045
188	PCA1X14 T5 BASIC Ip	1x14 T5	360	30	21	XITEC II	22185076
188	PCA1X21 T5 BASIC Ip	1x21 T5	360	30	21	XITEC II	22185090
188	PCA1X24 T5 BASIC Ip	1x24 T5	360	30	21	XITEC II	22185078
188	PCA1X28 T5 BASIC Ip	1x28 T5	360	30	21	XITEC II	22185086
188	PCA1X35 T5 BASIC Ip	1x35 T5	360	30	21	XITEC II	22185080
188	PCA1X39 T5 BASIC Ip	1x39 T5	360	30	21	XITEC II	22185092
188	PCA1X49 T5 BASIC Ip	1x49 T5	360	30	21	XITEC II	22185082
188	PCA1X54 T5 BASIC Ip	1x54 T5	360	30	21	XITEC II	22185088
188	PCA1X80 T5 BASIC Ip	1x80 T5	360	30	21	XITEC II	22185084
188	PCA2X14 T5 BASIC Ip	2x14 T5	360	30	21	XITEC II	22185077
188	PCA2X21 T5 BASIC Ip	2x21 T5	360	30	21	XITEC II	22185091
188	PCA2X24 T5 BASIC Ip	2x24 T5	360	30	21	XITEC II	22185079
188	PCA2X28 T5 BASIC Ip	2x28 T5	425	30	21	XITEC II	22185087
188	PCA2X35 T5 BASIC Ip	2x35 T5	360	30	21	XITEC II	22185081
188	PCA2X39 T5 BASIC Ip	2x39 T5	360	30	21	XITEC II	22185093
188	PCA2X49 T5 BASIC Ip	2x49 T5	360	30	21	XITEC II	22185083
188	PCA2X54 T5 BASIC Ip	2x54 T5	425	30	21	XITEC II	22185089
188	PCA2X80 T5 BASIC Ip	2x80 T5	425	30	21	XITEC II	22185085

PCA.. EXCITE T8 T5

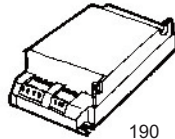


No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
189	PCA3X18 T8 EXCITE	3x18	T8	360	40	21	lp	22185246
189	PCA4X18 T8 EXCITE	3x18	T8	360	40	21	lp	22185249
189	PCA3X14/24 T5 EXCITE	3x14/24	T5	360	40	21	lp	22176710
189	PCA4X14/24 T5 EXCITE	4x14/24	T5	360	40	21	lp	22176711

Full range of SMART plug and SMART SENSOR on request

Electronic Dimming Ballasts - ECO / BASIC

ECO compact
PCA.. BASIC

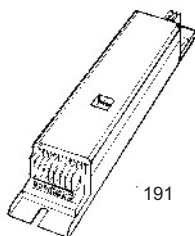


190

ECO - DALI / DSI / Switch Dim
BASIC - DSI / Switch Dim

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
190	PCA1X11/13 TC ECO	1x11/13 CL	123	79	31	XITEC II 22185126
190	PCA1X18 TC ECO	1x18 CL	123	79	31	XITEC II 22185122
190	PCA1X18/24 TCL ECO/C	1x18/24 TCL/F	123	79	31	XITEC II 22185252
190	PCA1X26-57 TC ECO	1x26/32/42/57 1x40 TCL/T5R	123	79	31	XITEC II 22185120
190	PCA1X28 TC DD ECO	1x28 2D	123	79	31	XITEC II 22185255
190	PCA1X55 T5C ECO	1x55 T5C	123	79	31	XITEC II 22185124
190	PCA2X11/13 TC ECO	2x11/13 CL	123	102	31	XITEC II 22185127
190	PCA2X18 TC ECO	2x18 CL	123	102	31	XITEC II 22185123
190	PCA2X18/24 TCL ECO/C	2x18/24 TCL/F	123	102	31	XITEC II 22185258
190	PCA2X26/32/42 TC ECO	2x26/32/42 CL	123	102	31	XITEC II 22185121
190	PCA1X11/13 TC BASIC	1x11/13 CL	123	79	31	XITEC II 22185118
190	PCA1X18 TC BASIC	1x18 CL	123	79	31	XITEC II 22185114
190	PCA1X18/24 TCL BASIC/C	1x18/24 TCL/F	123	79	31	XITEC II 22185253
190	PCA1X26-57 TC BASIC	1x26/32/42/57 1x40 TCL/T5R	123	79	31	XITEC II 22185112
190	PCA1X28 TC DD BASIC	1x28 2D	123	79	31	XITEC II 22185256
190	PCA1X55 T5C BASIC	1x55 T5C	123	79	31	XITEC II 22185116
190	PCA2X11/13 TC BASIC	2x11/13 CL	123	102	31	XITEC II 22185119
190	PCA2X18 TC BASIC	2x18 CL	123	102	31	XITEC II 22185115
190	PCA2X18/24 TCL BASIC/C	2x18/24 TCL/F	123	102	31	XITEC II 22185259
190	PCA2X26/32/42 TC BASIC	2x26/32/42 CL	123	102	31	XITEC II 22185113

PCA.. EXCEL T8



EXCEL one4all Ip xitec II

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
191	PCA1X18 T8 EXCEL Ip	1x18	T8	360	30	21	XITEC II	22185239
191	PCA1X36 T8 EXCEL Ip	1x36	T8	360	30	21	XITEC II	28000034
191	PCA1X58 T8 EXCEL Ip	1x58	T8	360	30	21	XITEC II	28000036
191	PCA2X18 T8 EXCEL Ip	2x18	T8	360	30	21	XITEC II	22185242
191	PCA2X36 T8 EXCEL Ip	2x36	T8	360	30	21	XITEC II	28000038
191	PCA2X58 T8 EXCEL Ip	2x58	T8	425	30	21	XITEC II	28000040

EXCEL one4all Ip xitec

191	PCA1X36 T8 EXCEL	1x36	T8	360	30	21	now obsolete
191	PCA1X58 T8 EXCEL	1x58	T8	360	30	21	now obsolete
191	PCA2X36 T8 EXCEL	2x36	T8	360	30	21	now obsolete
191	PCA2X58 T8 EXCEL	2x58	T8	425	30	21	now obsolete

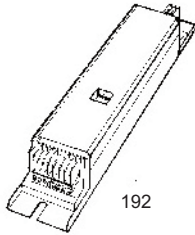
EXCEL one4all Ip xitec

191	PCA3X18 T8 EXCEL	3x18	T8	360	40	21	XITEC	22185247
191	PCA4X18 T8 EXCEL	4x18	T8	360	40	21	XITEC	22185250

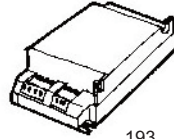
Electronic Dimming Ballasts - EXCEL

PCA.. EXCEL T5

Compact Lamps



192



193

EXCEL one4all lp xitec II

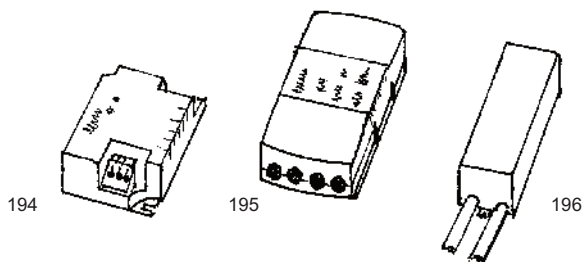
No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
192	PCA1X14/24 T5 EXCEL lp	1x14/24	T5	360	30	21	XITEC II	22185103
192	PCA1X21/39 T5 EXCEL lp	1x21/39	T5	360	30	21	XITEC II	22185110
192	PCA1X28/54 T5 EXCEL lp	1x28/54	T5	360	30	21	XITEC II	22185108
192	PCA1X35/49/80 T5 EXCEL lp	1x35/49/80	T5	360	30	21	XITEC II	22185105
192	PCA2X14/24 T5 EXCEL lp	2x14/24	T5	360	30	21	XITEC II	22185104
192	PCA2X21/39 T5 EXCEL lp	2x21/39	T5	360	30	21	XITEC II	22185111
192	PCA2X28/54 T5 EXCEL lp	2x28/54	T5	425	30	21	XITEC II	22185109
192	PCA2X35/49 T5 EXCEL lp	2x35/49	T5	360	30	21	XITEC II	22185106
192	PCA2X80 T5 EXCEL lp	2x80	T5	425	30	21	XITEC II	22185107

EXCEL one4all lp xitec

192	PCA3X14/24 T5 EXCEL	3x14/24	T5	360	40	21	XITEC	22176209
192	PCA4X14/24 T5 EXCEL	4x14/24	T5	360	40	21	XITEC	22176210

EXCEL one4all xitec II

193	PCA1X11/13 TC EXCEL	1x11-17	CL	123	79	31	XITEC II	22185134
193	PCA1X18 TC EXCEL	1x18	CL	123	79	31	XITEC II	22185130
193	PCA1X18/24 TCL EXCEL C	1x18/24	TCL	123	79	31	XITEC II	22185251
193	PCA1X26-57 TC EXCEL	1x26/32/42 1x40	CL TCL/T5R	123	79	31	XITEC II	22185128
193	PCA1X28 TCDD EXCEL	1x28	2D	123	79	31	XITEC II	22185254
193	PCA1X55 T5C EXCEL	1x55	T5R	123	79	31	XITEC II	22185132
193	PCA2X11/13 TC EXCEL	2x11-17	CL	123	102	31	XITEC II	22185135
193	PCA2X18 TC EXCEL C	2x18	CL	123	102	31	XITEC II	22185131
193	PCA2X18/24 TCL EXCEL	2x18/24	TCL	123	102	31	XITEC II	22185257
193	PCA2X26/32/42 TC EXCEL	2x26/32/42	CL	123	102	31	XITEC II	22185129



No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
194	LCI 20W 350-900mA TOP C	20W	105	70	29	350-900mA (cc)	28000191
195	LCI 20W 350-900mA TOP SR	20W	200	70	31	350-900mA (cc)	28000192
194	LCI 55W 900-1750mA TOP C	55W	125	85	29	900-1750mA (cc)	28000195
195	LCI 55W 900-1750mA TOP SR	55W	220	85	31	900-1750mA (cc)	28000200
196	LCI 030/0700 MI20	30W IP67	150	40	31	700mA (cc)	86459178
195	LCI 050/1050 T020	50W	160	82	34	1050mA (cc)	86459218
195	LCI 055/1400 T020	55W	160	82	34	1400mA (cc)	86459219
194	LCI 055/1400 R010	55W	123	79	31	1400mA (cc)	86459217

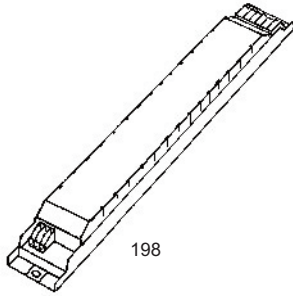
(cc) - constant current

LCAI - ECO dimming range available on request

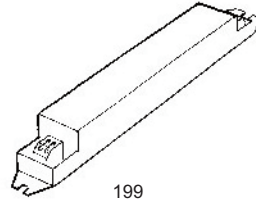
LCBI - Phase-cut dimming range available on request

Talex control C001 - C700dim available on request.

LED Control Gear



198



199

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
198	LCI 040/0300 I010	40W LED	280	30	21	now obsolete
198	LCI 050/0350 I010	50W LED	280	30	21	now obsolete
198	LCI 070/0300 I010	70W LED	280	30	21	300mA (cc) 28000160
198	LCI 080/0350 I010	80W LED	280	30	21	350mA (cc) 28000093
199	LCI 10W 350mA TEC	10W LED	145	22	21	350mA 87500219
198	LCI 20W 350mA TEC	20W LED	230	30	21	350mA 87500220
198	LCI 20W 500mA TEC	20W LED	230	30	21	500mA 87500221
198	LCI 20W 700mA TEC	20W LED	230	30	21	700mA 87500222
198	LCI 35W 350mA TEC	35W LED	230	30	21	350mA 87500223
198	LCI 35W 500mA TEC	35W LED	230	30	21	500mA 87500224
198	LCI 35W 700mA TEC	35W LED	230	30	21	700mA 87500225
198	LCI 35W 1050mA TEC	35W LED	230	30	21	1050mA 87500226
198	LCI 60W 700mA TEC	60W LED	300	30	21	700mA 87500227
198	LCI 60W 1050mA TEC	60W LED	300	30	21	1050mA 87500228
198	LCI 65W 1400mA TEC	65W LED	360	30	21	1400mA 87500229
198	LCI 65W 1750mA TEC	65W LED	360	30	21	1750mA 87500230

(cc) - constant current

New Variant replacing EM...BASIC & ST

Please check lamp compatability

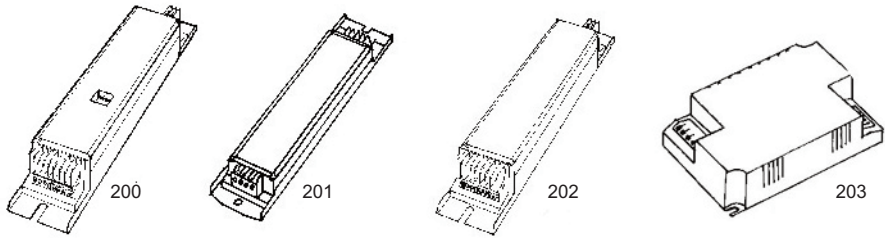
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
200	EM03 BASIC Ip G2	7-13 CL	230	30	21	3C NICD
200	EM04 BASIC Ip G2	7-36 CL T5 T8	230	30	21	4C NICD
200	EM05 BASIC Ip G2	18-58 CL T5 T8	230	30	21	5C NICD
200	EM06 BASIC Ip G2	25-70 CL T5 T8	230	30	21	6C NICD
200	EM03 BASIC Ip NIMH G2	7-13 CL	230	30	21	3C NIMH
200	EM04 BASIC Ip NIMH G2	7-36 CL T5 T8	230	30	21	4C NIMH
200	EM05 BASIC Ip NIMH G2	18-58 CL T5 T8	230	30	21	5C NIMH
200	EM06 BASIC Ip NIMH G2	25-70 CL T5 T8	230	30	21	6C NIMH
200	EM03 ST G2	7-13 CL	230	30	21	3C NICD SELF TEST
200	EM04 ST G2	7-36 CL T5 T8	230	30	21	4C NICD SELF TEST
200	EM05 ST G2	18-58 CL T5 T8	230	30	21	5C NICD SELF TEST
200	EM06 ST G2	25-70 CL T5 T8	230	30	21	6C NICD SELF TEST
200	EM03 ST NIMH G2	7-13 CL	230	30	21	3C NIMH SELF TEST
200	EM04 ST NIMH G2	7-36 CL T5 T8	230	30	21	4C NIMH SELF TEST
200	EM05 ST NIMH G2	18-58 CL T5 T8	230	30	21	5C NIMH SELF TEST
200	EM06 ST NIMH G2	25-70 CL T5 T8	230	30	21	6C NIMH SELF TEST
200	EM03 PRO G2	7-13 CL	230	30	21	3C NICD DALI
200	EM04 PRO G2	7-36 CL T5 T8	230	30	21	4C NICD DALI
200	EM05 PRO G2	18-58 CL T5 T8	230	30	21	5C NICD DALI
200	EM06 PRO G2	25-70 CL T5 T8	230	30	21	6C NICD DALI
200	EM03 PRO NIMH G2	7-13 CL	230	30	21	3C NIMH DALI
200	EM04 PRO NIMH G2	7-36 CL T5 T8	230	30	21	4C NIMH DALI
200	EM05 PRO NIMH G2	18-58 CL T5 T8	230	30	21	5C NIMH DALI
200	EM06 PRO NIMH G2	25-70 CL T5 T8	230	30	21	6C NIMH DALI

The new EM.. range is designated to NICD or NIMH battery.

Please check lamp compatability.

Emergency Lighting Control Gear

EM Range



EM Range

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
201	EM33A MINI BASIC	28 2D	150	40	28	3C
201	EM34A MINI BASIC	16/26 CL 16 T5C	150	40	28	4C
201	EM34C MINI BASIC	38 2D	150	40	28	4C
201	EM14/24-4 T5 BASIC	14/21 T5	280	30	21	4C
201	EM21/28/49-5 T5 BASIC	21/28/49 T5	280	30	21	5C
201	EM35-5 T5 BASIC	35 T5	280	30	21	5C
201	EM35-6 T5 BASIC	35 T5	280	30	21	6C
201	EM54/80-6 T5 BASIC	54/80 T5	280	30	21	6C

LED Emergency Units

202	EMPOWER LED NM1 BASIC	1W	139	30	21	3C (cc)	89800112
202	EMPOWER LED 1W BASIC	1W	139	30	21	3C (cc)	89899858
202	EMPOWER LED 2W BASIC	2W	139	30	21	5C (cc)	89899859
202	EMPOWER LED 4W BASIC	4W	139	30	21	5C (cc)	89800122
203	EMPOWER LED 15W BASIC NIMH	15W	139	30	21	3C NIMH (cc)	89800174
203	EMPOWER LED 15W BASIC NICD	15W	139	30	21	3C NICD (cc)	89800176
202	EMPOWER LED 1W ST	1W	139	30	21	3C NIMH (cc) ST	89899860
202	EMPOWER LED 2W PRO EZ3	2W	139	30	21	5C NIMH (cc) DALI	89800030

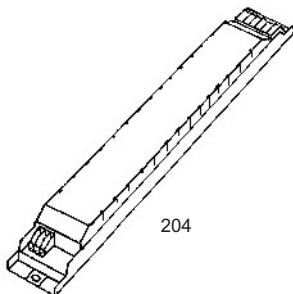
All the above are screw fixing (clip fixing versions available on request)

(cc) - denotes constant current

ST - denotes Self Test

EM converter LED range available on request.

PC.. COMBO range



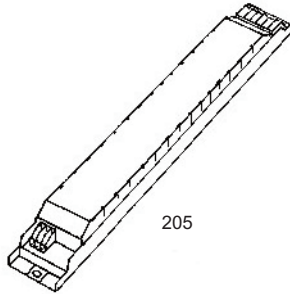
T8 & TCL

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
204	PC1X36-33 COMBO	1x36 T8	424	42	28	3C NIMH or NICD batteries
204	PC1X58/34 COMBO	1x58 T8	424	42	28	4C NIMH or NICD batteries
204	PC2X36-33 COMBO	2x36 T8	424	42	28	3C NIMH or NICD batteries
204	PC2X58-34 COMBO	2x58 T8	424	42	28	4C NIMH or NICD batteries
204	PC3/4X18-33 COMBO	3/4x18 T8	424	42	28	3C NIMH or NICD batteries
204	PC1X36-33 TCLCOMBO	36 TCL	424	42	28	3C NIMH or NICD batteries
204	PC1X40-34 TCLCOMBO	40 TCL	424	42	28	4C NIMH or NICD batteries
204	PC1X55-35 TCLCOMBO	55 TCL	424	42	28	5C NIMH or NICD batteries
204	PC2X36-33 TCLCOMBO	2x36 TCL	424	42	28	3C NIMH or NICD batteries
204	PC2X40-34 TCLCOMBO	2x40 TCL	424	42	28	4C NIMH or NICD batteries
204	PC2X55-35 TCLCOMBO	2x55 TCL	424	42	28	5C NIMH or NICD batteries

High frequency ballast and emergency module combined in a single unit.

Emergency Lighting Control Gear

PC.. COMBO range

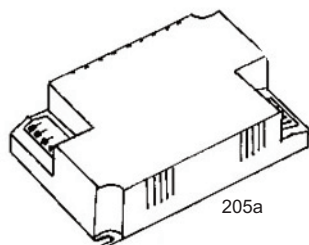


T5

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
205	PC1X14-3 T5COMBO Ip	1x14 T5	425	30	21	3C NIMH or NICD batteries
205	PC1X21/28-5 T5COMBO Ip	1x21/28 T5	425	30	21	5C NIMH or NICD batteries
205	PC1X24-4 T5COMBO Ip	1x24 T5	425	30	21	4C NIMH or NICD batteries
205	PC1X35-6 T5COMBO Ip	1x35 T5	425	30	21	6C NIMH or NICD batteries
205	PC1X39-5 T5COMBO Ip	1x39 T5	425	30	21	5C NIMH or NICD batteries
205	PC1X49-5 T5COMBO Ip	1x49 T5	425	30	21	5C NIMH or NICD batteries
205	PC1X54-6 T5COMBO Ip	1x54 T5	425	30	21	6C NIMH or NICD batteries
205	PC1X80-6 T5COMBO Ip	1x80 T5	425	30	21	6C NIMH or NICD batteries
205	PC2X14-3 T5COMBO Ip	2x14 T5	425	30	21	3C NIMH or NICD batteries
205	PC2X21/28-5 T5COMBO Ip	2x21/28 T5	425	30	21	5C NIMH or NICD batteries
205	PC2X24-4 T5COMBO Ip	2x24 T5	425	30	21	4C NIMH or NICD batteries
205	PC2X35-6 T5COMBO Ip	2x35 T5	425	30	21	6C NIMH or NICD batteries
205	PC2X39-5 T5COMBO Ip	2x39 T5	425	30	21	5C NIMH or NICD batteries
205	PC2X49-5 T5COMBO Ip	2x49 T5	425	30	21	5C NIMH or NICD batteries
205	PC2X54-6 T5COMBO Ip	2x54 T5	425	30	21	6C NIMH or NICD batteries
205	PC3/4X14-33 T5COMBO	3/4x14 T5	425	42	28	3C NIMH or NICD batteries
205	PC3/4X24-34 T5COMBO	3/4x24 T5	425	42	28	4C NIMH or NICD batteries

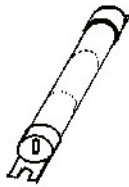
High frequency ballast and emergency module combined in a single unit.

PC.. COMBO range

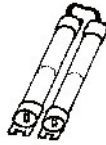


No.	Catalogue Number	Lamp	Size			Detail New Product
			L	W	H	
205a	PC1X18-3 TC COMBO	1x18 CL	123	79	31	3C
205a	PC1X18-4 TC COMBO	1x18 CL	123	79	31	4C
205a	PC1X26-3 TC COMBO	1x26 CL	123	79	31	3C
205a	PC1X26-4 TC COMBO	1x26 CL	123	79	31	4C
205a	PC1X26/32-5 TC COMBO	1x26/32 CL	123	79	31	5C
205a	PC1X26/32/42-6 TC COMBO	1x26/32/42 CL	123	79	31	6C
205a	PC2X18-3 TC COMBO	2x18 CL	123	102	31	3C
205a	PC2X18-4 TC COMBO	2x18 CL	123	102	31	4C
205a	PC2X26-3 TC COMBO	2x26 CL	123	102	31	3C
205a	PC2X26-4 TC COMBO	2x26 CL	123	102	31	4C
205a	PC2X26/32-5 TC COMBO	2x26/32 CL	123	102	31	5C
205a	PC2X26/32/42-6 TC COMBO	2x26/32/42 CL	123	102	31	6C
205a	PC1X28-33 LO DD COMBO	1x28 2D	123	79	31	3C low output BLF
205a	PC1X28-34 LO DD COMBO	1x28 2D	123	79	31	4C low output BLF
205a	PC1X38-34 LO DD COMBO	1x38 2D	123	79	31	4C low output BLF
205a	PC1X16-33 HO DD COMBO	1x16 2D	123	79	31	3C high output BLF
205a	PC1X28-33 HO DD COMBO	1x28 2D	123	79	31	3C high output BLF
205a	PC1X28-34 HO DD COMBO	1x28 2D	123	79	31	4C high output BLF
205a	PC1X38-34 HO DD COMBO	1x38 2D	123	79	31	4C high output BLF
205a	PC1X38-35 HO DD COMBO	1x38 2D	123	79	31	5C high output BLF

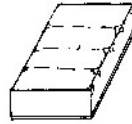
Batteries NICD



205b
stick

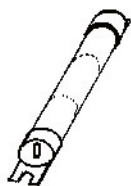


205c
stick + stick

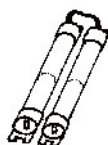


205d
side by side

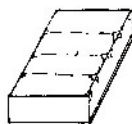
No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
205b	ACCU-NICD 2A 55	stick	2 cell	152	36	Ø	4.5Ah	89800092
205b	ACCU-NICD 3A	stick	3 cell	210	36	Ø	4.2Ah	89895960
205b	ACCU-NICD 4A 55	stick	4 cell	269	36	Ø	4.5Ah	89800089
205b	ACCU-NICD 5A	stick	5 cell	328	36	Ø	4.2Ah	89895973
205c	ACCU-NICD 4C	2 stick + 2 stick	4 cell	2x(152 x 36 Ø)			4.2Ah	89895978
205c	ACCU-NICD 5C 55	3 stick + 2 stick	5 cell	152	36	Ø	4.5Ah	89800090
				+210	36	Ø		
205c	ACCU-NICD 6C	3 stick + 23stick	6 cell	2x(210 x 36 Ø)			4.2Ah	89895963
205d	ACCU-NICD 3B	side by side	3 cell	98	65	35	4.2Ah	89895976
205d	ACCU-NICD 4B	side by side	4 cell	130	65	35	4.2Ah	89895977
205b	ACCU-NICD C 3A	stick	3 cell	164	26	Ø	1.6Ah	89899743
205b	ACCU-NICD C 4A	stick	4 cell	206	26	Ø	1.6Ah	89899692
205b	ACCU-NICD C 5A	stick	5 cell	249	26	Ø	1.6Ah	89899695
205b	ACCU-NICD C 6A	stick	6 cell	292	26	Ø	1.6Ah	89899698
205c	ACCU-NICD C 4C	stick + stick	4 cell	2x(121 x 26 Ø)			1.6Ah	89899694
205c	ACCU-NICD C 5C	stick + stick	5 cell	164	26	Ø	1.6Ah	89899697
				+121	26	Ø		
205c	ACCU-NICD C 6C	stick + stick	6 cell	2x(164 x 26 Ø)			1.6Ah	89899699
205d	ACCU-NICD C 4B	side by side	4 cell	148	54	25	1.6Ah	89899693
205d	ACCU-NICD C 5B	side by side	5 cell	148	54	25	1.6Ah	89899696



206
stick



207
stick + stick



208
pack

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
206	ACCU-NICD 3A 50	stick	3 cell	210	35	Ø	4.0Ah	89800084
206	ACCU-NICD 4A 50	stick	4 cell	269	35	Ø	4.0Ah	89800085
206	ACCU-NICD 5A 50	stick	5 cell	328	35	Ø	4.0Ah	89800086
207	ACCU-NICD 5C 50	stick + stick	5 cell	152 +210	35	Ø	4.0Ah	89800087
207	ACCU-NICD 6C 50	stick + stick	6 cell	2x(210 x 35 Ø)			4.0Ah	89800088
208	PACK-NICD 3C	pack	3 cell	216	70	36	1.6Ah	89899676
208	PACK-NICD 4C	pack	4 cell	216	70	36	1.6Ah	89899677
208	PACK-NICD 5C	pack	5 cell	216	70	36	1.6Ah	89899678
208	PACK-NICD 6C	pack	6 cell	216	70	36	1.6Ah	89899679
208	PACK-NICD 3D	pack	3 cell	216	70	36	4.0Ah	89899672
208	PACK-NICD 4D	pack	4 cell	216	70	36	4.0Ah	89899673
208	PACK-NICD 5D 55	pack	5 cell	216	70	36	4.0Ah	89800091
208	PACK-NICD 6D	pack	6 cell	216	70	36	4.0Ah	89899675

Batteries NIMH



209
stick



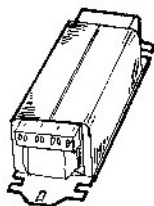
210
stick + stick



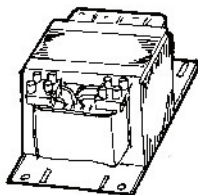
211
side by side

NiMH C cells

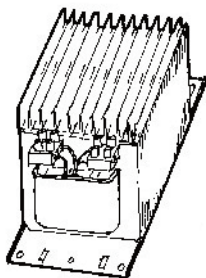
No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
209	ACCU-NIMH 4AH C 3A	stick	3 cell	215	26	Ø	4.0Ah NIMH	89899854
209	ACCU-NIMH 4AH C 4A	stick	4 cell	275	26	Ø	4.0Ah NIMH	89899850
209	ACCU-NIMH 4AH C 5A	stick	5 cell	335	26	Ø	4.0Ah NIMH	89899851
209	ACCU-NIMH 4AH C 6A	stick	6 cell	395	26	Ø	4.0Ah NIMH	89899852
209	ACCU-NIMH C 2A	stick	2 cell	119	26	Ø	2.0Ah NIMH	89899755
209	ACCU-NIMH C 3A	stick	3 cell	164	26	Ø	2.0Ah NIMH	89899744
209	ACCU-NIMH C 4A	stick	4 cell	206	26	Ø	2.0Ah NIMH	89899700
209	ACCU-NIMH C 5A	stick	5 cell	249	26	Ø	2.0Ah NIMH	89899703
209	ACCU-NIMH C 6A	stick	6 cell	292	26	Ø	2.0Ah NIMH	89899706
210	ACCU-NIMH 4AH C 6C	3 stick + 3 stick	6 cell	2x(215 x 26 Ø)			4.0Ah NIMH	89899853
210	ACCU-NIMH 4AH C 5C	3 stick + 2 stick	5 cell	155	26	Ø	4.0Ah NIMH	8989978
				+215	26	Ø		
210	ACCU-NIMH C 6C	3 stick + 3 stick	6 cell	2x(164 x 26 Ø)			4.0Ah NIMH	89899707
211	ACCU-NIMH C 5B	side by side	5 cell	148	54	25	4.0Ah NIMH	89899704



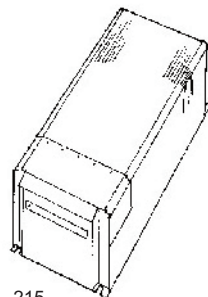
212



213



214



215

Magnetic Ballasts

Tridonic have ceased production of wire wound magnetic ballasts of the following ranges.

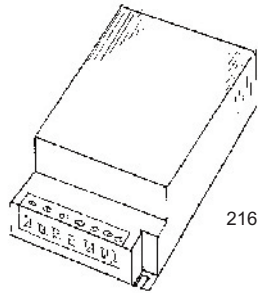
Please check with the sales office for replacements.

212 - OMB
212 - OMBI
212 - OMBIS
212 - OMBS

213 - OGL
213 - OGLI
214 - OGLI
214 - OGLIS

215 - OMPAK

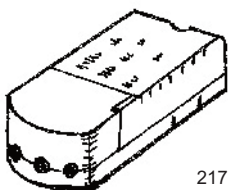
Electronic HID Control Gear



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
216	PCI20/22 PRO C011	20/22 MH	90	59	29	86458600
216	PCI35/50 PRO C011	35/50 MH	100	75	29	86459307
216	PCI35/70 PRO C011	35/70 MH	100	75	29	86458601
216	PCI100/150 PRO C011	100/150 MH	140	75	26	86458602
216	PCI0035 B011	35 MH	90	60	26	86457897
216	PCI2/35 B011	2 x 35 MH	140	75	31	86458207
216	PCI2/70 B011	2 x 70 MH	170	75	31	86458209
216	PCI0020 FOX B011	20 MH	100	75	28	86458340 DALI
216	PCI0035 FOX B011	35 MH	100	75	28	86458341 DALI
216	PCI0070 FOX B011	70 MH	140	75	31	86458342 DALI
216	PCI0150 FOX B011	150 MH	170	75	31	86458343 DALI
216	PCI20 MINI Q211	20 MH	97	43	30	24166386 Phased out
216	PCI35 TEC C011	35 MH	110	75	32	87500118
216	PCI70 TEC C011	70 MH	110	75	32	87500119

PCI...OUTDOOR FOX B011 range available on request

PCI...OUTDOOR DIM B011 range available on request

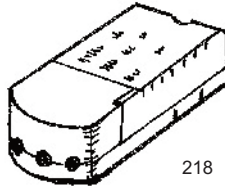


GST socket is pre-wired into this ballast.

217

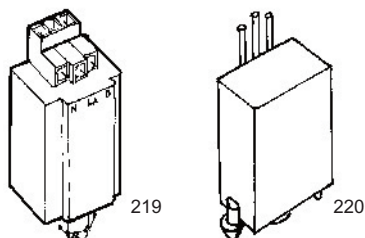
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
217	PCI20 C521 ST	20 MH	159	82	34	prewired	86459019
217	PCI22 C521 ST	22 MH	159	82	34	prewired	86459022
217	PCI35 C521 ST	35 MH	159	82	34	prewired	86458609
217	PCI50 C521 ST	50 MH	159	82	34	prewired	86459309
217	PCI70 C521 ST	70 MH	159	82	34	prewired	86458610
217	PCI150 C521 ST	150 MH	209	82	34	prewired	86458611
217	PCI20 C521 ST GST	20 MH	159	82	34	prewired	86459020
217	PCI22 C521 ST GST	22 MH	159	82	34	prewired	86459023
217	PCI35 C521 ST GST	35 MH	159	82	34	prewired	86458906
217	PCI50 C521 ST GST	50 MH	159	82	34	prewired	86459310
217	PCI70 C521 ST GST	70 MH	159	82	34	prewired	86458907
217	PCI150 C521 ST GST	150 MH	209	82	34	prewired	86458908
217	PCI2/35 C521 ST	2 x 35 MH	180	80	34	prewired	86458338
217	PCI2/70 C521 ST	2 x 70 MH	210	80	34	prewired	86458339

Electronic HID Control Gear



218

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
218	PCI20 PRO C021	20 MH	159	82	34	terminal cover 86459018
218	PCI22 PRO C021	22 MH	159	82	34	terminal cover 86459021
218	PCI35 PRO C021	35 MH	159	82	34	terminal cover 86458606
218	PCI50 PRO C021	50 MH	159	82	34	terminal cover 86459308
218	PCI70 PRO C021	70 MH	159	82	34	terminal cover 86458607
218	PCI150 PRO C021	150 MH	209	82	34	terminal cover 86458608
218	PCI2/35 B021	2 x 35 MH	180	79	34	terminal cover 86458208
218	PCI2/70 B021	2 x 70 MH	210	79	34	terminal cover 86458210
218	PCI35 TOP C021	35 MH	159	82	34	terminal cover 87500208
218	PCI50 TOP C021	50 MH	159	82	34	terminal cover 87500210
218	PCI70 TOP C021	70 MH	159	82	34	terminal cover 87500209

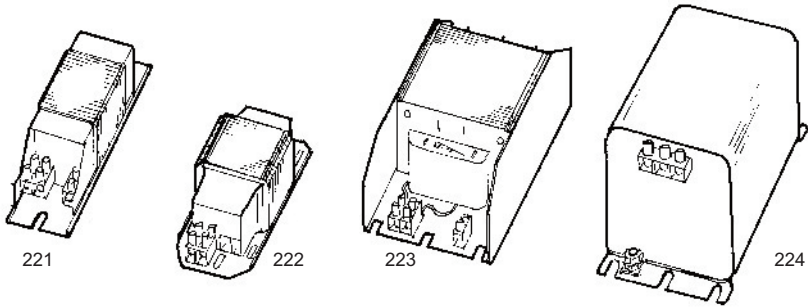


No.	Catalogue Number	Lamp	Size			Detail	Max dis to lamp
			L	W	H		
219	ZRM2ES/C	HPS 35-70 MH 70	75	37.5	27	SIP	4.0
219	ZRM2ES/CT	HPS 35-70 MH 70	75	37.5	27	SIP timed	4.0
219	ZRM2.5ES/C	HPS 70-250 MH 35-250	75	37.5	27	SIP	1.5
219	ZRM2.5ES/CT	HPS 70-250 MH 35-250	75	37.5	27	SIP timed	1.5
219	ZRM4.5ES/C	HPS 70-400 MH 35-400	75	37.5	27	SIP	1.5
219	ZRM4.5ES/CT	HPS 70-400 MH 35-400	75	37.5	27	SIP timed	1.5
219	ZRM6ES/C	HPS 70-400 MH 35-400	85	44.5	31	SIP	1.5
219	ZRM6ES/CT	HPS 70-400 MH 35-400	85	44.5	31	SIP timed	1.5
219	ZRM6ES/C400	HPS 600	85	44.5	31	SIP	3.0
219	ZRM12ES/C	HPS/MH 250-1000	91.5	54	33	SIP	3.0
219	ZRM12ES/CT	HPS/MH 250-1000	91.5	54	33	SIP timed	3.0
219	ZRM12ES/C400	HPS 600-1000 MH 1000-2000 (240V)	91.5	54	33	SIP (415V)	3.0
219	ZRM20ES/B	HPS 1000 MH 1-2KW	113	65	47	SIP	3.0
219	ZRM20ES/B400	MH 2000-3500	113	65	47	SIP (415V)	3.0
220	ZRM2300C201	HPS 50-70	75	42	31	impulse	12.0
220	ZRM4000B101	HPS 100-400	75	42	31	impulse	12.0
220	ZRM4000C201	MH 35-1000 HPS 100-400	75	42	31	impulse	12.0
219	ZRM1000A004	MH lamps up to 1KW	49.7	24.2	27.5	2 wire impulse	40.0
219	ZRM1000A005	MH lamps up to 1KW	49.7	24.2	27.5	2 wire impulse	100.0
219	LRM500S	up to 500W	69	37.5	30	lamp reignition monitor	-

Power changeover switches are available on request

Venture Lighting

Parmar HPMV/MH Ballasts

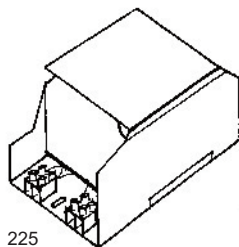


No.	Catalogue Number	Lamp	Size			Detail	Cap. mfd
			L	W	H		
221	MG053K	50 HPMV	173	53	46	(22245)	6
221	MG083K	80 HPMV	173	53	46	(22245)	8
221	MG128B	125 HPMV	153	53	46	(22245)	10
222	MP052K232	50 HPMV	106	65	52		6
222	MP082K232	80 HPMV	106	65	52		8
222	MP127K232	125 HPMV	106	65	52		10
222	MZ053K	50 HPMV	100	66	46	(22245)	6
222	MZ083K	80 HPMV	100	66	46	(22245)	8
222	MZ128K	125 HPMV	118	66	46	(22245)	10
222	HMP252	250 HPMV/MH	117	86	73	(23221)	20
222	HMP402	400 HPMV/MH	137	86	73	(23221)	25
as222	HMZ253	250 HPMV/MH	158	66	46	(22245)	20
as222	HMZ403	400 HPMV/MH	198	66	46	(22245)	25
223	JHV263	250 HPMV/MH	106	94	65	(23221)	20
223	JHV413	400 HPMV/MH	120	104	81	(222B3)	25
224	MM003K	1000 HPMV	166	107	109	(222)	50
224	HMM043383	1000 HPMV/MH 415V	166	107	109		*15

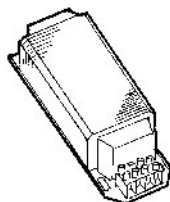
(*) = 440V capacitor

Venture Lighting

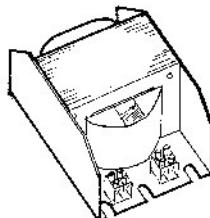
Parmar HPS / MH Ballasts



225



226



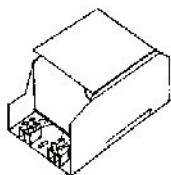
227

No.	Catalogue Number	Lamp	Size			Detail	Cap. mfd
			L	W	H		
225	HSJ037	35 HPS/MH	106	68	56		6
226	HSP037	35 HPS/MH	106	65	52		6
225	HSJ052	50 HPS	106	68	56		8
226	HSP052	50 HPS	106	65	52		8
221	HSG053	50 HPS	173	53	46		8
222	HSZ053	50 HPS	100	66	46		8
226	HSP572	50/70 HPS/MH	106	65	52		8/10
225	HSJ072	70 HPS/MH	106	68	56		10
225	HSA072	70 HPS/MH	106	68	58		10
226	HSP072	70 HPS/MH	106	65	52		10
221	HSG073	70 HPS	173	53	46		10
222	HSZ073	70 HPS/MH	118	66	46		10
225	HSJ102	100 HPS/MH	106	68	56		12
226	HSP102	100 HPS/MH	106	65	52		12
221	HSG103	100 HPS	173	53	46		12
222	HSZ103	100 HPS/MH	128	66	46		12
225	HSJ152	150 HPS/MH	138	68	56		20
225	HSA152	150 HPS/MH	138	66	52		20
226	HSP152	150 HPS/MH	135	65	52		20
222	HSZ153	150 HPS/MH	158	66	46		20
227	HSV163	150 HPS	125	78	65		20

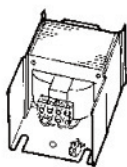
If the product number is not listed please check with our sales office.

Venture Lighting

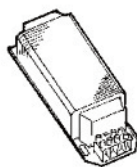
Parmar HPS / MH Ballasts



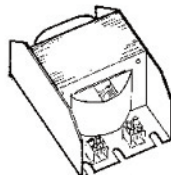
228



229



230



231

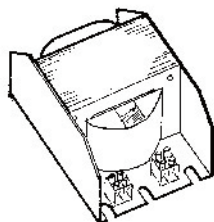


232

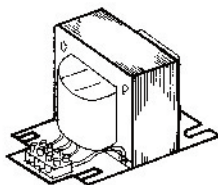
No.	Catalogue Number	Lamp	Size			Detail	Cap. mfd
			L	W	H		
228	HSJ252	250 HPS/MH	137	86	74		30
228	HSA252	250 HPS/MH	167	87	72		30
229	HSP252	250 HPS/MH	127	86	73		30
230	HSZ253	250 HPS/MH	198	66	46		30
229	HDV263	250 HPS/MH	150	98	81		30
231	JDV263	250 HPS/MH	120	104	81		30
232	HDN263	250 HPS/MH	133	107	109	Drip Proof	30
230	HMP252	250 MH	117	86	73	also HPMV	20
230	HMZ253	250 MH	158	66	46	also HPMV	20
231	JHV263	250 MH	106	94	65		20
228	HSJ402	400 HPS/MH	167	86	74		40
228	HSA402	400 HPS/MH	167	87	72		40
229	HSP402	400 HPS/MH	167	86	73		40
229	HSV413	400 HPS	150	98	81		40
231	JAV413	400 HPS/MH	120	104	81		40
232	HSN413	400 HPS	133	107	109	Drip Proof	40
228	HMJ402	400 MH	137	86	74		25
229	HMP402	400 MH	137	86	73	also HPMV	25
230	HMZ403	400 MH	198	66	46	also HPMV	25
231	JHV413	400 MH	120	104	81	also HPMV	25

Venture Lighting

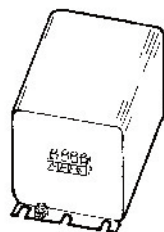
Parmar HPS / MH Ballasts



233



234



235

No.	Catalogue Number	Lamp	Size			Detail	Cap. mfd
			L	W	H		
233	HAV603	600 HPS	150	108	91		60
234	HDP003	1000 HPS/MH	190	120	102	210-240V	100
234	HDV003	1000 HPS/MH	177	150	126	210-240V	100
234	HSV003	1000 HPS/MH	215	150	126	220-250V	100
235	HDF003	1000 HPS/MH	200	160	140	220-240V	100
235	HIB003	1000 HPS/MH	223	110	112	220-240V	100
234	HQV002	1000 HPS/MH	177	150	126	220-240V	100
235	HMM043	1000 MH	166	107	109	380-415V	*15
234	HMV022	1500 MH	215	150	126	380-415V	*30
234	HMV913	2000 MH	215	150	122	220-250V	100
234	HMV943	2000 MH	215	150	122	380-415V	*40
-	HZP944	2000 MH	277	124	103	380-430V	*45
234	HZV943	2000 MH	215	150	122	380-415V	*45

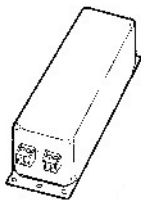
CONSTANT WATTAGE AUTOTRANSFORMER CWA

-	HMZ17822245	175 CWA MH	137	66	46	220-240V	20
-	SHQ250115	250 CWA MH	150	94	130	110V	*17.5
-	SHQ400115	400 CWA MH	150	100	130	110V	*28
-	SHW40322245	400 CWA MH	159	118	93	220-240V	*25

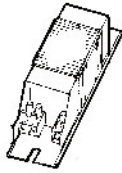
(*) = 440V capacitor

Venture Lighting

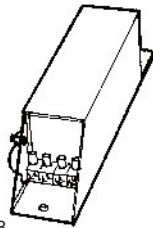
Parmar SOX Ballasts



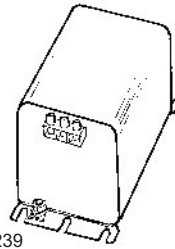
236



237



238



239

No.	Catalogue Number	Lamp	Size			Detail	Cap. mfd
			L	W	H		
236	RSM035	35 SOX	165	60	48	integral ignitor	8
237	SZ355K	35/55 SOX	118	66	46		8/6
237	SG355B	35/55 SOX	153	53	46		8/6
238	RSD355	35/55 SOX	144	65	51	integral ignitor	8/6
238	RSF355	35/55 SOX	159	50	67	integral ignitor	8/6
238	RSL355	35/55 SOX	165	76	54	integral ignitor	8/6
237	SG090	90 SOX	153	53	46		8
237	SZ090	90 SOX	118	66	46		8
238	RSL090	90 SOX	165	76	54	integral ignitor	8
239	SM138	135/180 SOX	166	107	109	transf. (440V)	*15

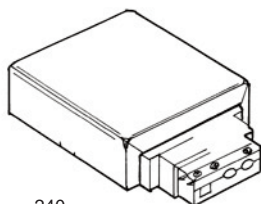
(*) = 440V capacitor

Autotransformers available on request.

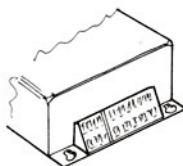
RSA135 only available whilst stocks last.

Venture Lighting

Ventronic Electronic HID Control Gear



240
cable clamp



241
terminal block

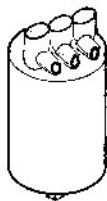
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
240	VYC020255	20 HPS/MH	146	72	31	distance to lamp 0.5m
240	VYC035255	35 HPS/MH	146	72	31	distance to lamp 0.5m
240	VYC050255	50 HPS/MH	146	72	31	distance to lamp 0.5m
240	VYC070255	70 HPS/MH	146	72	31	distance to lamp 0.5m
240	VYC100255	100 HPS/MH	185	83	35	distance to lamp 0.5m
240	VYC150255	150 HPS/MH	185	83	35	distance to lamp 0.5m
241	VYB020255	20 HPS/MH	109	72	31	distance to lamp 0.5m
241	VYB035255	35 HPS/MH	109	72	31	distance to lamp 0.5m
241	VYB050255	50 HPS/MH	109	72	31	distance to lamp 0.5m
241	VYB070255	70 HPS/MH	109	72	31	distance to lamp 0.5m
241	VYB100255	100 HPS/MH	148	83	35	distance to lamp 0.5m
241	VYB150255	150 HPS/MH	148	83	35	distance to lamp 0.5m
240	V35SSC255	35 HPS/MH	171	91	37	distance to lamp up to 25m
240	V70SSC255	70 HPS/MH	171	91	37	distance to lamp up to 25m
240	V100SSC255	100 HPS/MH	171	91	37	distance to lamp up to 25m
240	V150SSC255	150 HPS/MH	171	91	37	distance to lamp up to 25m
241	V35SSB255	35 HPS/MH	144	91	37	distance to lamp up to 25m
241	V70SSB255	70 HPS/MH	144	91	37	distance to lamp up to 25m
241	V100SSB255	100 HPS/MH	144	91	37	distance to lamp up to 25m
241	V150SSB255	150 HPS/MH	144	91	37	distance to lamp up to 25m

Switch dimming , reprogrammable dimming , DALI dimming & switched 1-10V dimming are all available on request.

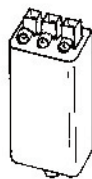
VYS and VYG range - as VYB but pre-wired with 500mm 3 core mains & ST Socket for lamp.

Venture Lighting

Electronic Ignitors



242



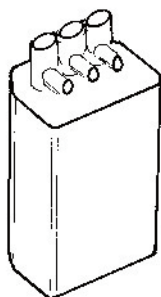
243

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
243	MCi6	35-600	50	25	17	semi parallel - up to 10m
243	MCi57	50-70	50	25	17	semi parallel - up to 10m
243	MCi600	600	50	25	17	semi parallel - up to 10m
242	MCi1000	1000	71	39	Ø	semi parallel - up to 10m
242	PB070	50-70 HPS	71	39	Ø	impulse
242	PB019	150 HPS	71	39	Ø	impulse
242	PB404	250-400 HPS	71	39	Ø	impulse
242	PB600	600 HPS	115	52	Ø	impulse
242	PB000	1000 HPS	115	52	Ø	impulse
as242	PH400	250-2000 MH 240V	65	30	Ø	2 wire parallel
242	PJ070	70 HPS	71	39	Ø	impulse timed
242	PJ019	150 HPS	71	39	Ø	impulse timed
242	PJ404	250-400 HPS	71	39	Ø	impulse timed
242	PJ600	600 HPS	71	52	Ø	impulse timed
242	PJ000	1000 HPS	71	52	Ø	impulse timed
as242	PB035	35 SOX	65	30	Ø	2 wire parallel
as242	PB055	35/55 SOX	75	45	Ø	2 wire parallel
as242	PB090	90 SOX	75	45	Ø	2 wire parallel
242	PB500	600-2000 415V	115	52	Ø	impulse (415V)
as242	PBA200	1000-2000 415V	110	51	Ø	2 wire parallel

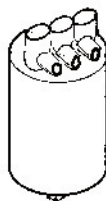
Also available MCi6-P (special clip facility)

Venture Lighting

Electronic Ignitors



244

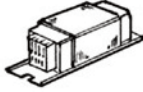


245

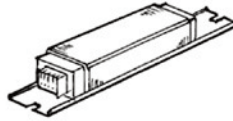
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
245	PAE400	35-400	71	39	∅	SIP
245	PLE400	35-400	127	50	∅	SIP
244	PXE070	35-70	71	33	31	SIP
244	PXE100	35-400	71	33	31	SIP
244	PXE000	600-1000	90	49	50	SIP
245	PBE900	2000 MH 240V	142	62	∅	SIP
245	PT150	1000-2000 415V	110	51	∅	SIP 415V
244	PXE150	600-2000 415V	90	49	50	SIP 415V
245	PBE350	3500 415V	142	62	∅	SIP 415V
245	PCX070	35-70	75	40	∅	SIP timed
245	PCX400	35-400	75	40	∅	SIP timed
245	PCX000	600-1000	93	60	∅	SIP timed
244	PXA070	35-70	78	39	36	SIP ATEX approved
244	PXA100	35-150	78	39	36	SIP ATEX approved
245	PXA400	70-400	95	45	∅	SIP ATEX approved
244	PXA000	600-1000	90	49	50	SIP ATEX approved
244	PCA070	35-70	102	46	40	SIP ATEX approved - timed
244	PCA100	35-150	102	46	40	SIP ATEX approved - timed
244	PCA400	70-400	102	46	40	SIP ATEX approved - timed

Vossloh Schwabe

Switch Start Chokes



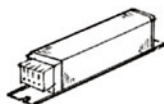
246



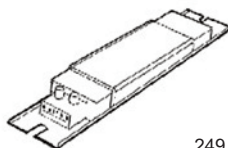
247

(28x41 section)

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
230V 50Hz Ballasts						
246	L4/6/8.304	4/6/8 T5	85	41	28	230V
246	L7/9/11.307	5/7/9/11 T5	85	41	28	230V
246	LN13.313	13 T5 10-13 CL	85	41	28	230V
246	LN16.116	16 2D	85	41	28	230V
247	LN18.131	18 T8 18-26 CL	150	41	28	230V (+ 28W 2D)
247	LN30.801	30 T8	150	41	28	230V
247	LN36.149	36/38 T8 36-40 CL	150	41	28	230V (+ 38W 2D)
247	LN58.116	58 T8	150	41	28	230V
240V 50Hz Ballasts						
246	L4/6/8.404	4/6/8 T5	85	41	28	240V
246	L7/9/11.411	5/7/9/11 T5	85	41	28	240V
246	LN13.413	13 T5 10-13 CL	85	41	28	240V
246	LN16.417	16 2D	85	41	28	240V
247	LN18.162	18 T8 18-26 CL	150	41	28	240V (+ 28W 2D)
247	LN30.806	30 T8	150	41	28	240V
247	LN36.201	36/38 T8 36-40 CL	150	41	28	240V (+ 38W 2D)
247	LN58.122	58 T8	190	41	28	240V
247	LN75.170	70 T8 75 T12	190	41	28	240V



248
slim section
28 x 28



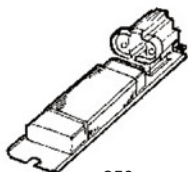
249
wafer section
41 x 18

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
248	L4/6/8.133	4/6/8 T5	130	28	28	240V 50Hz
248	L7/9/11.137	5/7/9/11 CL	130	28	28	240V 50Hz
248	L13.129	13 T5 10-13 CL	130	28	28	240V 50Hz
248	LN15.116	15 T8	150	28	28	240V 50Hz
248	LN16.146	16 2D	150	28	28	240V 50Hz
248	LN18.173	18 T8 18-26 CL	190	28	28	240V 50Hz also 28W 2D
248	LN18i.130	18 TCD/T	130	28	28	240V 50Hz
248	LN30.117	30 T8	150	28	28	240V 50Hz 528755
248	LN36.174	36 T8 36/40 CL	190	28	28	240V 50Hz
249	L4/6/8.142	4/6/8 T5	155	41	18	wafer 163062
249	L7/9/11.141	5-11 CL	155	41	18	wafer 163052
249	L13.111	13 T5 10-13 CL	155	41	18	wafer 162966
249	L16.113	16 2D	155	41	18	wafer 162976
249	L18i.132	18 TCD/T	155	41	18	wafer 163031
249	LN18.121	18 T8 18-28 CL	195	41	18	wafer 529272
249	LN30.120	30 T8	195	41	18	wafer 529269
249	LN36.124	36 T8 36/40 CL	195	41	18	wafer 529273

Alternative voltage / frequency available on request

Vossloh Schwabe

Combi Units



Ballast section
41 x18

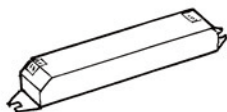
pre-wired with lampholders

No.	Catalogue Number	Lamp	Size			Detail		
			L	W	H			
250	L7/9/11.110 COMBI	5-11 CL	155	41	42	G23 cap.	240V	163007
250	L7/9/11.141 COMBI	5-11 CL	155	41	42	G23 cap.	230V	163148
250	LN13.143 COMBI	10-13 CL	155	41	42	G24D1 cap.		163157
250	LN18i.147 COMBI	18 CL	155	41	42	G24D2 cap.		163170
250	LN18.146 COMBI	26 CL	215	41	42	G24D3 cap.		163180

Twin lamp versions available on request

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Electronic H.F. Ballasts



251
slim



252
matchbox

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
252	ELXS116.900	4-13 T5	5-11 CL	80	41	18	10/16 2D	188661
252	ELXS121.901	14/21 T5	13/18 CL	80	41	18		188663
252	ELXS124.902	15/18 T8	18/24 CL	80	41	18	24 T5	188665
252	ELXS126.906		24/26 CL	80	41	18		188667

The above are all 'matchbox' size.

No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
251	ELXS116.903	4-13 T5	5-11 CL	147	21	18	10/16 2D	188662
251	ELXS121.904	14/21 T5	13/18 CL	147	21	18		188664
251	ELXS124.905	15/18 T8	18/24 CL	147	21	18	24 T5	188666
251	ELXS126.907		24/26 CL	147	21	18		188668

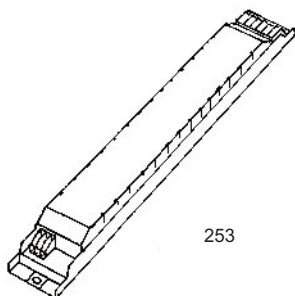
The above are all 'slim' size.

Please check lamp compatibility.

For 4 pin compact lamps only.

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Electronic H.F. Ballasts



253

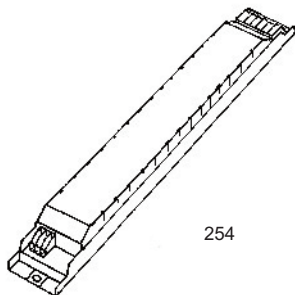
T8

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
253	ELXC136.200	18/36 T8	359	30.4	28.5	IDC	188314
253	ELXC136.207	18/36 T8	230	40.6	28		188708
253	ELXC136.216	18/36 T8	230	40.6	28	IDC	188912
253	ELXC158.201	58 T8	359	30.4	28.5	IDC	188315
253	ELXC158.209	58 T8	230	40.6	28		188710
253	ELXC158.218	58 T8	230	40.6	28	IDC	188914
253	ELXC170.205	70 T8	359	30.4	28.5	IDC	188319
253	ELXC236.202	2x18/36 T8	359	30.4	28.5	IDC	188316
253	ELXC236.208	2x18/36 T8	230	40.6	28		188709
253	ELXC236.217	2x18/36 T8	230	40.6	28	IDC	188913
253	ELXC258.203	2x58 T8	359	30.4	28.5	IDC	188317
253	ELXC258.210	2x58 T8	230	40.6	28		188711
253	ELXC258.219	2x58 T8	230	40.6	28	IDC	188915
253	ELXC270.206	2x70 T8	359	30.4	28.5	IDC	188320
253	ELXC336.214	3x36 T8	230	40.6	28	IDC	188595
253	ELXC418.204	3/4x18 T8	230	40.6	28	IDC	188744
253	ELXE218.526	1/2x15/18 T8	359	30.4	28.5	IDC	188136
253	ELXE238.527	1/2x30/36/38 T8	359	30.4	28.5	IDC	188137
253	ELXE258.222	1/2x58 T8	359	30.4	28.5	IDC	188130
253	ELXE418.215	4x18 T8	230	40.6	28		188660

The 'ELXE...' range are all instant start and have special wiring.

Vossloh Schwabe

Electronic H.F. Ballasts



254

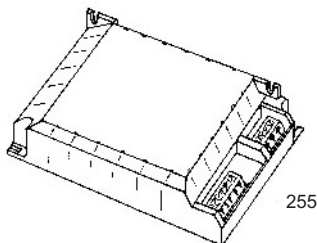
T5/TCL

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
254	ELXC135.856	14/21/28/35 T5	359	30	21	188093
254	ELXC139.632	14/21/24/39 T5	360	30	21	188945
254	ELXC140.862	24/39 T5	359	30	21	also 18-40 CL 188140
254	ELXC149.858	49 T5	359	30	21	188095
254	ELXC154.633	28/35/49/54 T5	360	30	21	multiwattage 188946
254	ELXC154.864	54 T5	359	30	21	188142
254	ELXC180.866	80 T5	359	30	21	also 55/80 PLL 188144
254	ELXC180.634	35/49/80 T5	360	30	21	188947
254	ELXC235.857	2x14/21/28/35 T5	359	30	21	188094
254	ELXC239.635	2x14/21/24/39 T5	360	30	21	188948
254	ELXC240.863	2x24/39 T5	359	30	21	also 18-40 CL 188616
254	ELXC249.859	2x49 T5	359	30	21	188617
254	ELXC254.636	2x28/35/49/54 T5	360	30	21	multiwattage 188949
254	ELXC254.865	2x54 T5	359	30	21	also 55 PLL 188618
254	ELXC280.538	2x80 T5	425	30	21	also 55/80 PLL 188619
254	ELXC280.637	2x35/49/80 T5	423	30	21	188950
254	ELXC414.868	3/4x14 T5	230	40.6	28	188438
254	ELXC424.379	3/4x24 T5	425	40	28.5	also 3/4x18 188116
254	ELXC424.223	3/4x24 T5	230	40.6	28	183039

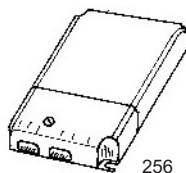
The above all have IDC terminals

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Electronic H.F. Ballasts



255



256

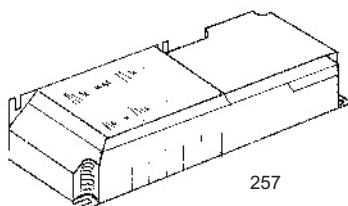
terminal block cover

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
255	ELXC113.392	5-13 CL	93	58	29	188454
255	ELXC128.869	28 2D	103	67	31	24 TCL 22 T5-R 188589
255	ELXC142.872	1x18/24/36/40 CL 1x26/32/40 CL 2x26 CL 2x18/24 CL	103	67	31	+ 22/40 T5R + 38 2D 188700
255	ELXC155.378	55/80 TCL	123	79	33	+ 1x60 T5R 188680
255	ELXC120.838	60/85/120 TEL	190	102	38	2G8-1 lamp cap 188238
255	ELXC170.833	57/70 TEL	123	79	33	188682
255	ELXC213.870	1/2x9/11/13 CL	103	67	31	188698
255	ELXC218.871	1/2x18 CL	103	67	31	188699
255	ELXC242.837	1/2x18/26/32/42 CL 2x18/24/36/40 TCL	123	79	33	188643
255	ELXC257.836	2x26/32/42/57 CL	123	79	33	188132
256	ELXC142.872.C	1x18/24/36/40 TCL 1x26/32/40 CL 2x26 CL 2x18/24 TCL	140	67	31	with cover 188714
256	ELXC242.837.C	1/2x18/26/32/42 CL 2x18/24/36/40 TC	159	79	33	with cover 188687

It is essential on these ranges to quote the 6 digit reference number i.e. 188687

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Electronic H.F. Ballasts

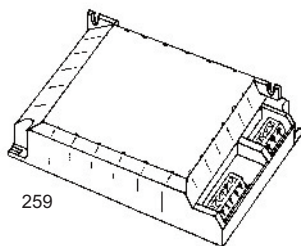
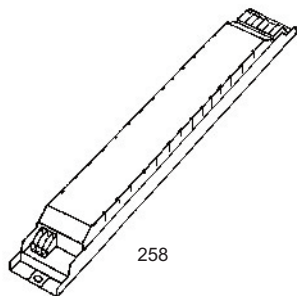


mains & earth through
wiring possible

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
257	ELXC213.874	1/2x9-13 CL	159	79	33	188886
257	ELXC218.875	1/2x18 CL	159	79	33	188887
257	ELXC142.876	1/2x18/24/36/40 TCL 1x26/32/42 CL	159	79	33	38 2D 188888
257	ELXC242.877	2x18/24/36/40 TCL 2x26/32/42 CL	159	79	33	T5C 38 2D 188889

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Dimmable H.F. Ballasts

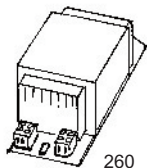


No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
258	ELXD136.720	36 T8	359	30	28	1-10V DC 188875
258	ELXD158.722	58 T8	359	30	28	1-10V DC 188877
258	ELXD236.721	2x36 T8	359	30	30	1-10V DC 188876
258	ELXD258.723	2x58 T8	359	30	30	1-10V DC 188878
258	ELXD418.625	4x18 T8	360	40	21	1-10V DC 188599
258	ELXD124.607	14/24 T5	359	30.4	28.5	1-10V DC 188336
258	ELXD139.609	21/39 T5	359	30.4	28.5	1-10V DC 188338
258	ELXD154.611	54 T5	359	30.4	28.5	1-10V DC 188340
258	ELXD180.613	35/49/80 T5	359	30.4	28.5	1-10V DC 188342
258	ELXD224.608	2x14/24 T5	423	30	21	1-10V DC 188337
258	ELXD239.610	2x21/39 T5	423	30	21	1-10V DC 188339
258	ELXD254.612	2x54 T5	423	30	21	1-10V DC 188341
258	ELXD280.630	2x35/49/80 T5	423	30	21	1-10V DC 188604
258	ELXD324.623	3x14/24 T5	360	40	21	1-10V DC 188597
258	ELXD424.624	4x14/24 T5	360	40	21	1-10V DC 188598
258	ELXD136.617	36 T8	360	30	21	DALI 188346
258	ELXD158.619	58 T8	360	30	21	DALI 188348
258	ELXD236.618	2x36 T8	423	30	21	DALI 188347
258	ELXD258.620	2x58 T8	423	30	21	DALI 188349
259	ELXD142.806	26/32/42 CL	123	79	33	1-10V DC 188695
259	ELXD242.807	2x26/32/42 CL	158	102	38	1-10V DC 188697
259	ELXD170.708	57/70 CL	158	102	38	1-10V DC 188296
259	ELXD142.709	26/32/42 CL	123	79	33	DALI 188923
259	ELXD242.813	2x26/32/42 CL	123	79	33	DALI 188716

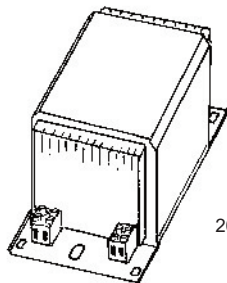
Please check with our sales office for the full range of DALI ballasts.

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Discharge Control Gear



260



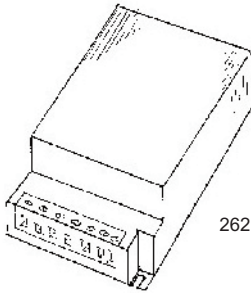
261

No.	Catalogue Number	Lamp	Size			Detail	Cap. mfd
			L	W	H		
260	Q80/50.596	80/50 HPMV	108	66	53	167311	8/6
260	Q125/80.511	125/80 HPMV	108	66	53	167136	10/8
260	Q250.703	250 HPMV	145	66	53	507256	18
260	Q400.669	400 HPMV/MH	180	66	53	167374	25
260	Q400.801	400 HPMV/MH	135	75	71	537703	25
261	Q1000.145	1000 HPMV/MH	173	102	92	240V 528886	60
260	NAHJ35.485	35 HPS/MH	108	66	53	161367	6
260	NAHJ50.486	50 HPS	108	66	53	161379	8
260	NAHJ70/50.157	70/50 HPS/MH	108	66	53	160613	12/8
260	NAHJ70.158	70 HPS/MH	108	66	53	240V 161662	12
260	NAHJ70.128	70 HPS/MH	108	66	53	230/240V 533568	12
260	NAHJ100.670	100 HPS/MH	117	66	53	TC 506120	12
260	NAHJ150.620	150 HPS/MH	145	66	53	TC 230V 535216	20
260	NAHJ150.995	150 HPS/MH	145	66	53	TC 230/240V 169721	20
260	NAHJ250.340	250 HPS/MH	180	66	53	TC 240V 508723	32
261	NAHJ250.727	250 HPS/MH	133	102	92	500976	32
261	NAHJ250.741	250 HPS/MH	135	75	71	536151	32
261	NAHJ400.737	400 HPS/MH	148	102	92	TC 230/240V 179424	45
261	NAHJ1000.089	1000 HPS/MH	203	102	92	536140	100
-	JD2000.36	2000 MH 415V	125	150	155	10.3A lamp 531011	80
-	JD2000I.48	2000 MH 230V	175	150	155	16.5A lamp 531448	125

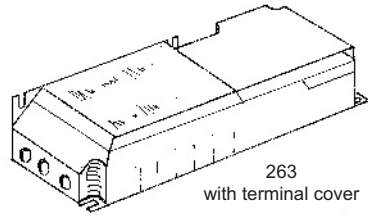
Non standard voltages on request.

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Discharge Electronic Ballasts



262



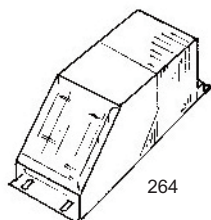
263
with terminal cover

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
262	EHXC20G.329B	188991 20 MH	96	50	31.5	GU6.5 GY8.5 GX8.5 GX10
263	EHXC20G.329I	188992 20 MH	127	50	31.5	GU6.5 GY8.5 GX8.5 GX10
262	EHXC35G.327B	188993 35 MH	96	50	31.5	GU6.5 GY8.5 GX8.5 GX10 G12
263	EHXC35G.327I	188994 35 MH	127	50	31.5	GU6.5 GY8.5 GX8.5 GX10 G12
262	EHXC35.325	183033 35 MH	110	75	30	GU6.5 G-GX8.5 G12 E27
263	EHXC35.325.C	183035 35 MH	170	83	22	GU6.5 G-GX8.5 G12 E27
262	EHXC70.326	183036 70 MH	110	75	30	G-GX8.5 G12 PG12 E27 RX7S
263	EHXC70.326.C	183038 70 MH	170	83	22	G-GX8.5 G12 PG12 E27 RX7S
262	EHXC235.316	188223 2x35 MH	190	89	37	GU6.5 G-GX8.5 G12 E27
263	EHXC235.316.C	188455 2x35 MH	224	89	37	GU6.5 G-GX8.5 G12 E27
262	EHXC270.317	188224 2x70 MH	190	89	37	G-GX8.5 G12 PG12 E27 RX7S
263	EHXC270.317.C	188456 2x70 MH	224	89	37	G-GX8.5 G12 PG12 E27 RX7S
263	EHXC150G.334	183047 150 MH	186	89	37	G12 PGX12 E27 E40 RX7S

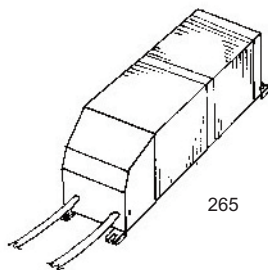
It is important to quote the 6 figure reference number.

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Discharge Lamp Control Gear



264

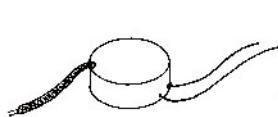


265

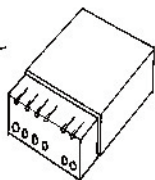
No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
264	VNAHJ35 PZTG.568	35 MH	175	72	64		
264	VNAHJ70 PZTG.566	70 MH	175	72	64		
264	VNAHJ100 PZTG.571	100 MH	214	72	64		
264	VNAHJ150 PZTG.567	150 MH	214	72	64		
265	VNAHJ35 PZTG.053	35 MH	222	72	61	IP65	400mm leads
265	VNAHJ70 PZTG.054	70 MH	222	72	61	IP65	400mm leads
265	VNAHJ150 PZTG.055	150 MH	249	72	61	IP65	400mm leads

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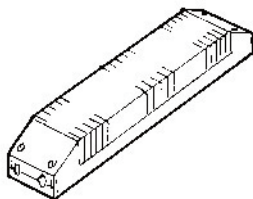
Transformers for L.V. Lamps



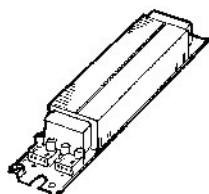
266



267

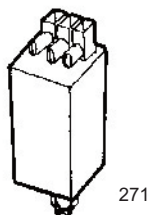
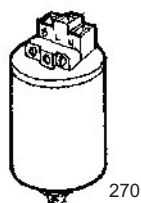


268



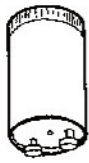
269

No.	Catalogue Number	Lamp	Size			Detail	
			L	W	H		
266	EST70/12.601	20-70	53	Ø	22	electronic discline	186005
266	EST105/12.602	35-105	70	Ø	22	electronic discline	186007
268	ESTD70/12.660	20-70	185	37	33	DALI	186121
267	EST70/12.618	20-70	74	51	28	Twinline	186302
268	EST70/12.380	20-70	128	37	28		186072
268	EST105/12.381	20-105	128	37	28		186077
269	STR50/12.401	35-50	195	41	28	wire wound	169830
269	STR105/12.406	60-105	240	41	28	wire wound	169125



No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
271	Z70K	35-70	HPS	78	34	27	140481
270	Z400M VSP	70-400 35-400	HPS MH	76	35	∅	aluminium case 147707
271	Z400MK VSP	70-400 35-400	HPS MH	78	34	27	142897
271	Z400MK D20	70-400 35-400	HPS MH	80	34	30	timed 20 min 141582
270	Z1000S	250-2000	HPS/MH	78	50	∅	140430
271	PZI1000/1K	250-1000	MH	57	28	27	2 wire pulse 140617
271	PZS1000K	50-1000	HPS	50	28	27	3 wire pulse 140613
-	AS1000K	35-1000	HPS/MH	74	34	27	start up switch max tungsten load = 1000W 140627

Starter Switches



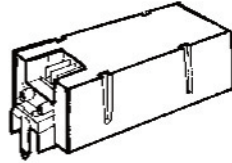
272



273



274



275

No.	Catalogue Number	Lamp	Detail
272	FSU	4-80W	glow type excluding 70W
272	FS2	4-22W series	glow type . 110V
272	FS125	70-125W	glow type
273	EFS600	4-125W	electronic pulse starter
274	EFS600P	4-125W	electronic pulse starter - potted with tails
273	EFS120	15-22W	electronic pulse starter . 110V
274	EFS120P	15-22W	electronic pulse starter - potted with tails . 110V
273	EFS400	18-65W	cold start -40°C
273	EFS600UVX	4-220W	solarium pulse start
273	5.014	14-125W	electronic starter switch - Loyje
275	G69577	30-125W	NOW DISCONTINUED - SEE NOTE BELOW

The 5.014 ASSEMBLY can be used as an alternative for the G69577 Vivatronic Starter.
Please request a design data sheet.

Lighting Capacitors

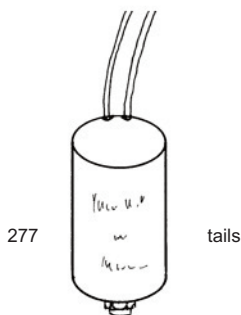
276



gripwire

No.	Catalogue Number	Mfd. rating	Size			Detail
			L	W	H	
276	PFC020	2.0	53	30	Ø	grip wire
276	PFC040	4.0	53	30	Ø	grip wire
276	PFC045	4.5	53	30	Ø	grip wire
276	PFC055	5.5	53	30	Ø	grip wire
276	PFC060	6.0	53	30	Ø	grip wire
276	PFC070	7.0	68	30	Ø	grip wire
276	PFC080	8.0	68	30	Ø	grip wire
276	PFC084	8.4	68	30	Ø	grip wire
276	PFC100	10.0	68	30	Ø	grip wire
276	PFC120	12.0	93	30	Ø	grip wire
276	PFC160	16.0	93	30	Ø	grip wire
276	PFC180	18.0	100	35	Ø	grip wire
276	PFC200	20.0	93	35	Ø	grip wire
276	PFC250	25.0	93	35	Ø	grip wire
276	PFC300	30.0	93	40	Ø	grip wire
276	PFC320	32.0	115	40	Ø	grip wire
276	PFC350	35.0	93	40	Ø	grip wire
276	PFC400	40.0	93	45	Ø	grip wire
276	PFC4500	45.0	95	50	Ø	grip wire
276	PFC500	50.0	108	45	Ø	grip wire
276	PFC600	60.0	120	50	Ø	grip wire
276	PFC450	5.0 440V	70	25	Ø	grip wire
276	PFC468	6.8 440V	73	30	Ø	grip wire
276	PFC472	7.2 440V	70	35	Ø	grip wire
276	PFC478	7.8 440V	70	35	Ø	grip wire

Lighting Capacitors



No.	Catalogue Number	Mfd. rating	Size			Detail
			L	W	H	
277	PFC4120	12.0 440V	98	35	∅	tails - 300mm
277	PFC4150	15.0 440V	94	40	∅	tails - 300mm
277	PFC4180	18.0 440V	94	40	∅	tails - 300mm
277	PFC4200	20.0 440V	98	50	∅	tails - 300mm
277	PFC4250	25.0 440V	98	50	∅	tails - 300mm
-	PFC4300	30.0 440V	165	72	∅	metal can
277	PFC4400	40.0 440V	120	55	∅	tails - 300mm
277	PFC4450	45.0 440V	120	55	∅	tails - 300mm
277	PFC040L	4.0 250V	72	26	∅	tails - 200mm
277	PFC055L	5.5 250V	70	25	∅	tails - 300mm
277	PFC060L	6.0 250V	72	26	∅	tails - 300mm
277	PFC080L	8.0 250V	74	30	∅	tails - 300mm
277	PFC100L	10.0 250V	90	31	∅	tails - 200mm
277	PFC120L	12.0 250V	90	31	∅	tails - 200mm
277	PFC150L	15.0 250V	74	35	∅	tails - 300mm
277	PFC160L	16.0 250V	74	35	∅	tails - 300mm
277	PFC200L	20.0 250V	115	36	∅	tails - 200mm
277	PFC250L	25.0 250V	98	35	∅	tails - 300mm
277	PFC300L	30.0 250V	115	41	∅	tails - 200mm
277	PFC320L	32.0 250V	115	41	∅	tails - 200mm
277	PFC350L	35.0 250V	94	40	∅	tails - 300mm
277	PFC400L	40.0 250V	98	50	∅	tails - 300mm
277	PFC500L	50.0 250V	98	50	∅	tails - 300mm
277	PFC600L	60.0 250V	98	50	∅	tails - 300mm

Motor Start Capacitors

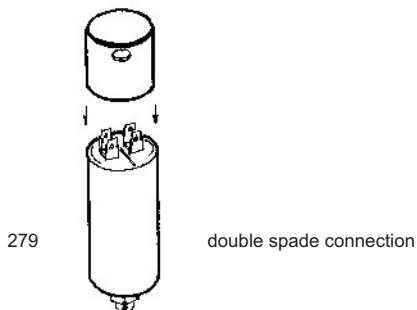
278



double spade connections

No.	Catalogue Number	Mfd. rating	Size			Voltage
			L	W	H	
278	MSC100-125/150	100-125	75	38	∅	150
278	MSC125-156/150	125-156	75	38	∅	150
278	MSC150-187/150	150-187	75	38	∅	150
278	MSC180-225/150	180-225	90	38	∅	150
278	MSC200-250/150	200-250	90	38	∅	150
278	MSC250-312/150	250-312	90	38	∅	150
278	MSC300-375/150	300-375	90	38	∅	150
278	MSC400-500/150	400-500	116	38	∅	150
278	MSC700-875/150	700-875	116	38	∅	150
278	MSC30-37/275	30-37	75	38	∅	275
278	MSC40-50/275	40-50	75	38	∅	275
278	MSC50-62/275	50-62	75	38	∅	275
278	MSC60-75/275	60-75	75	38	∅	275
278	MSC70-87/275	70-87	90	38	∅	275
278	MSC80-100/275	80-100	90	38	∅	275
278	MSC100-125/275	100-125	116	38	∅	275
278	MSC125-156/275	125-156	116	38	∅	275
278	MSC150-187/275	150-187	116	38	∅	275
278	MSC180-225/275	180-225	116	38	∅	275
278	MSC200-250/275	200-250	116	38	∅	275
278	MSC25-31/350	25-31	75	38	∅	350
278	MSC30-37/350	30-37	75	38	∅	350
278	MSC40-50/350	40-50	90	38	∅	350
278	MSC50-62/350	50-62	90	38	∅	350
278	MSC60-75/350	60-75	116	38	∅	350
278	MSC80-100/350	80-100	116	38	∅	350
278	MSC100-125/350	100-125	116	38	∅	350
278	MSC125-156/350	125-156	116	38	∅	350

Motor Run Capacitors



No.	Catalogue Number	Mfd. rating	Size			Voltage
			L	W	H	
279	MRC0.5/450	0.5	55	28	∅	450
279	MRC1.0/450	1.0	55	28	∅	450
279	MRC1.5/450	1.5	55	28	∅	450
279	MRC2.0/450	2.0	55	28	∅	450
279	MRC2.5/450	2.5	55	28	∅	450
279	MRC3.0/450	3.0	55	28	∅	450
279	MRC3.5/450	3.5	55	28	∅	450
279	MRC4.0/450	4.0	55	28	∅	450
279	MRC5.0/450	5.0	55	28	∅	450
279	MRC6.0/450	6.0	55	32	∅	450
279	MRC8.0/450	8.0	55	32	∅	450
279	MRC10.0/450	10.0	58	36	∅	450
279	MRC12.0/450	12.0	70	36	∅	450
279	MRC14.0/450	14.0	70	36	∅	450
279	MRC15.0/450	15.0	70	36	∅	450
279	MRC16.0/450	16.0	67	34	∅	450
279	MRC18.0/450	18.0	67	40	∅	450
279	MRC20.0/450	20.0	67	40	∅	450
279	MRC25.0/450	25.0	92	40	∅	450
279	MRC30.0/450	30.0	92	40	∅	450
279	MRC31.5/450	31.5	117	45	∅	450
279	MRC35.0/450	35.0	92	45	∅	450
279	MRC40.0/450	40.0	92	45	∅	450
279	MRC45.0/450	45.0	117	45	∅	450
279	MRC50.0/450	50.0	117	45	∅	450
279	MRC60.0/450	60.0	117	50	∅	450
279	MRC65.0/450	65.0	117	50	∅	450
279	MRC76.0/450	76.0	117	50	∅	450
279	MRC80.0/450	80.0	121	55	∅	450

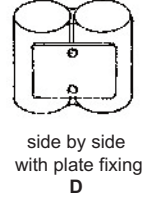
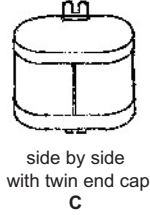
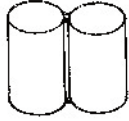
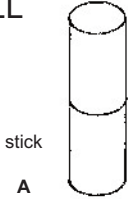
Batteries

General Format

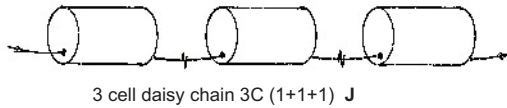
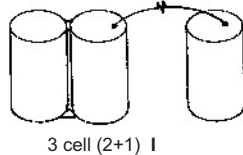
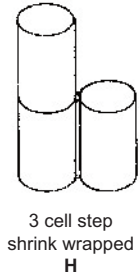
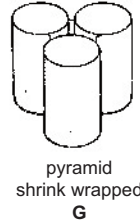
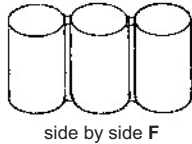
Connections for
all batteries :

'tag - requires external cable connection
AMP plug with leads
leads only

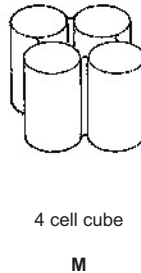
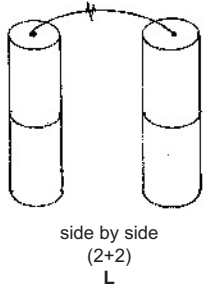
2
CELL



3
CELL



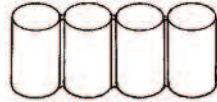
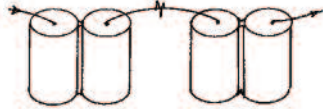
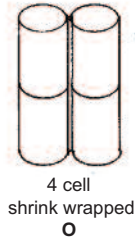
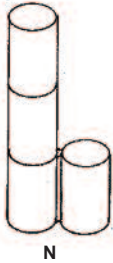
4
CELL



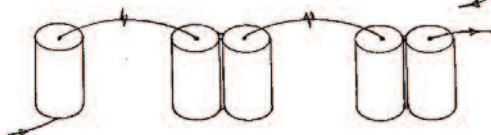
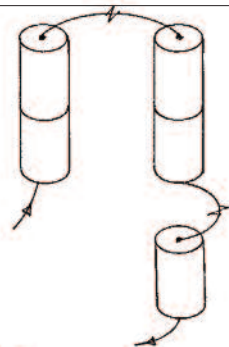
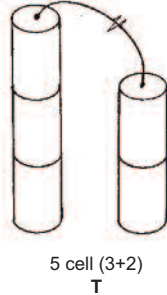
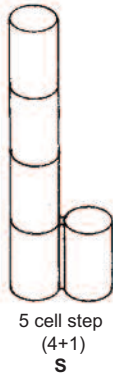
Batteries

General Format

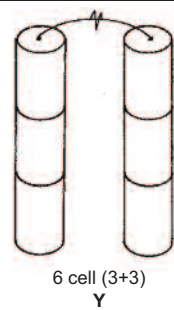
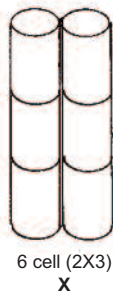
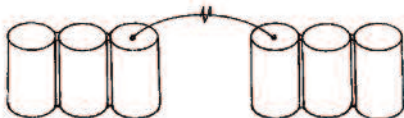
4
CELL



5
CELL



6
CELL



Batteries

D cell 1.2V 4/4.5ah NICD Cell size approx 59 x 32Ø

No.	Catalogue Number	No. Cells	V	Detail	End Cap	Detail
-	1C	1	1.2	Tag	No	single cell
-	1C/P	1	1.2	AMP plug	No	single cell
-	1C/FL	1	1.2	Tails	No	single cell
A	2C/ST	2	2.4	Tag	No	stick
A	2C/ST/P	2	2.4	AMP plug	No	stick
A	2C/ST/FL	2	2.4	Tails	No	stick
B	2C/SBS	2	2.4	Tag	No	side by side
B	2C/SBS/P	2	2.4	AMP plug	No	side by side
C	2C/SBS/P/EC	2	2.4	AMP plug	Yes	side by side
-	2C/SBS/P/FB	2	2.4	AMP plug	No	bracket F/C 112mm
D	2C/SBS/P/PLATE	2	2.4	AMP plug	No	plate F/C 40mm
as J	2C/1+1/P	2	2.4	Linked/Plug	No	linked
E	3C/ST	3	3.6	Tag	No	stick
E	3C/ST/P	3	3.6	AMP plug	No	stick
E	3C/ST/FL	3	3.6	Tails	No	stick
F	3C/SBS	3	3.6	Tag	No	side by side
F	3C/SBS/P	3	3.6	AMP plug	No	side by side
F	3C/SBS/P/PLATE	3	3.6	AMP plug	No	plate F/C 51mm
G	3C/PYR/P	3	3.6	AMP plug	No	pyramid
H	3C/2+1/STEP/P	3	3.6	AMP plug	No	step format
H	3C/2+1/STEP/EC	3	3.6	AMP plug	Yes	step format - end caps
H	3C/2+1/STEP/FL	3	3.6	Tails	No	step format
as I	3C/2+1	3	3.6	Tags	No	2 cell stick linked to 1 cell
as I	3C/2+1/P	3	3.6	AMP plug	No	2 cell stick linked to 1 cell
I	3C/2SBS+1	3	3.6	Tags	No	2 cell SBS linked to 1 cell
I	3C/2SBS+1/P	3	3.6	AMP plug	No	2 cell SBS linked to 1 cell
J	3C/1+1+1/P	3	3.6	AMP plug	No	daisy chain
K	4C/ST	4	4.8	Tag	No	stick
K	4C/ST/P	4	4.8	AMP plug	No	stick
K	4C/ST/FL	4	4.8	Tails	No	stick
N	4C3+1/STEP/P	4	4.8	AMP plug	No	step
Z	4C/SBS	4	4.8	Tag	No	side by side
Z	4C/SBS/P	4	4.8	AMP plug	No	side by side
Z	4C/SBS/PLATE/P	4	4.8	AMP plug	No	plate F/C 70mm
L	4C/2+2	4	4.8	Tag	No	2 cell stick + 2 cell stick linked
L	4C/2+2/P	4	4.8	AMP plug	No	2 cell stick + 2 cell stick linked
L	4C/2+2/FL	4	4.8	Tails	No	2 cell stick + 2 cell stick linked
O	4C/2X2	4	4.8	Tag	Yes	double end caps
O	4C/2X2/P	4	4.8	AMP plug	Yes	double end caps
O	4C/2X2/FL	4	4.8	Tails	Yes	double end caps
M	4C/CUBE/P	4	4.8	AMP plug	no	shrink wrapped cube
M	4C/CUBE/FL	4	4.8	Tails	no	shrink wrapped cube

Batteries

D cell 1.2V 4/4.5ah NICD Cell size approx 59 x 32Ø

No.	Catalogue Number	No. Cells	V	Detail	End Cap	Detail
P	4C/2SBS+2SBS/P	4	4.8	AMP plug	No	2 cell SBS + 2 cell SBS linked
Q	4C/1+1+1+1/FL	4	4.8	Tail	No	daisy chain
Q	4C/1+1+1+1/P	4	4.8	AMP plug	No	daisy chain
R	5C/ST	5	6.0	Tag	No	stick
R	5C/ST/P	5	6.0	AMP plug	No	stick
R	5C/ST/FL	5	6.0	Tails	No	stick
as Z	5C/SBS	5	6.0	Tag	No	side by side
as Z	5C/SBS/P	5	6.0	AMP plug	No	side by side
as Z	5C/SBS/PLATE/P	5	6.0	AMP plug	No	plate F/C 102mm
as S	5C/3+2/STEP	5	6.0	Tag	No	3 cell + 2 cell step
as S	5C/3+2/STEP/P	5	6.0	AMP plug	No	3 cell + 2 cell step
as S	5C/3+2/STEP/FL	5	6.0	Tail	No	3 cell + 2 cell step
as S	5C/4+1/STEP/P	5	6.0	AMP plug	No	4 cell + 1 cell step
U	5C/2+2+1/P	5	6.0	AMP plug	No	linked
T	5C/3+2	5	6.0	Tag	No	3 cell stick + 2 cell stick linked
T	5C/3+2/P	5	6.0	AMP plug	No	3 cell stick + 2 cell stick linked
T	5C/3+2/FL	5	6.0	Tails	No	3 cell stick + 2 cell stick linked
V	5C/1+2SBS+2SBS/P	5	6.0	AMP plug	No	linked SBS
as Q	5C/1+1+1+1+1/P	5	6.0	AMP plug	No	daisy chain
as R	6C/ST	6	7.2	Tag	No	stick
as R	6C/ST/P	6	7.2	AMP plug	No	stick
as Z	6C/SBS	6	7.2	Tag	No	side by side
as Z	6C/SBS/P	6	7.2	AMP plug	No	side by side plate
W	6C/3SBS+3SBS/P	6	7.2	AMP plug	No	3 cell SBS + 3 cell SBS linked
X	6C/2X3	6	7.2	Tag	No	2 x 3 cell stick shrink wrapped
X	6C/2X3/P	6	7.2	AMP plug	No	2 x 3 cell stick shrink wrapped
X	6C/2X3/FL	6	7.2	Tails	No	2 x 3 cell stick shrink wrapped
Y	6C/3+3	6	7.2	Tag	No	3 cell stick + 3 cell stick linked
Y	6C/3+3/P	6	7.2	AMP plug	No	3 cell stick + 3 cell stick linked
Y	6C/3+3/FL	6	7.2	Tails	No	3 cell stick + 3 cell stick linked
as Y	6C/4+2/P	6	7.2	AMP plug	No	4 cell stick + 2 cell stick linked
as Y	6C/5+1/P	6	7.2	AMP plug	No	5 cell stick + 1 cell stick linked

8C.....

10C.....

Details on request

Batteries

Details of alternative battery sizes available for the diagrams and layouts shown.

e.g. 4C/PYR/P/NIMH
4C/2X2/2.8AH

NIMH Nickel metal hydride
 Normally 18mm Ø also state AH

NICD 2.8AH 1.2V per cell
 size 26mm Ø x 48mm per cell

NICD 2.5AH 1.2V per cell
 size 26mm Ø x 48mm per cell

NICD 1.6AH 1.2V per cell
 size 23mm Ø x 43mm per cell

NICD 700mA 'AA' 1.2V per cell
 size 14mm Ø x 48mm per cell

NICD 1.6AH 'AA' 1.2V per cell
 size 14mm Ø x 48mm per cell

NICD 2.2AH 'AA' 1.2V per cell
 size 14mm Ø x 48mm per cell

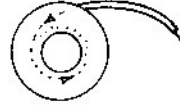
Luminaire Wiring Cable



single core
single insulation
C08/.....



figure 8
white only
C08/FIG8..



cabale on a drum
single or figure 8

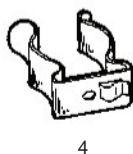
solid core cable 0.8mm (0.5mm²)
high temperature

No.	Catalogue Number	Fixing	Length	Detail
-	C08/WH	white	per metre	cut to length per metre
-	C08/BR	brown	per metre	cut to length per metre
-	C08/BL	blue	per metre	cut to length per metre
-	C08/GY	green/yellow	per metre	cut to length per metre
-	C08/GRY	grey	per metre	cut to length per metre
-	C08/PINK	pink	per metre	cut to length per metre
-	C08/WH/100	white	100m	100 metre drum
-	C08/WH/500	white	500m	500 metre drum
-	C08/BR/500	brown	500m	500 metre drum
-	C08/BL/500	blue	500m	500 metre drum
-	C08/GY/500	green/yellow	500m	500 metre drum
-	C08/GRY/500	grey	500m	500 metre drum
-	C08/PINK/500	pink	500m	500 metre drum
-	C08/FIG8	white	per metre	figure 8 twin cut to length per metre
-	C08/FIG8/100	white	100m	100 metre drum
-	C08/FIG8/500	white	500m	500 metre drum

Please contact sales office for other colours

Accessories

Clips & Brackets



No.	Catalogue Number	Size	Detail
1	AC16TC	16mm T5	steel clip
1	AC26TC	26mm T8	steel clip
1	AC38TC	38mm T12	steel clip
2	AC26P	26mm T8	polycarbonate clips
2	AC38P	38mm T12	polycarbonate clips
3	AC/C	LCH 22mm	½ clip for circular 1" tube
4	AC26SF	26mm T8	8mm Ø hole for side clip
4	AC38SF	38mm T12	8mm Ø hole for side clip
5	ACS	8kg load	suspension clip



6
T5



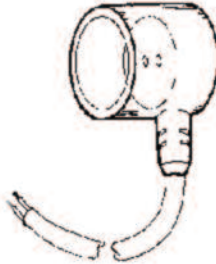
7
T8/T12



8
T8



9
T5/T8/T12
Prewired Fig8
cable.
Single insulated

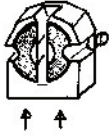


10
T5/T8
IP64
double insulated

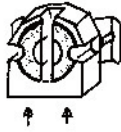
No.	Catalogue Number	Size	Terminal Type	Detail
6	ALH/S5	T5 (G5)	pushwire	
as 6	ALH/S5/E	T5 (G5)	pushwire	with earth contact
7	ALH/S8	T8 (G13)	pushwire	
8	ALH/S8/SH	T8 (G13)	pushwire	integral starterholder
7	ALH/S8/K	T8 (G13)	drawnut	screw terminal
7	ALH/S12	T12 (G13)	pushwire	
as 7	ALH/S12/E	T12 (G13)	pushwire	with earth contact
9	PW/ALH/S5/1.0	T5 (G5)	1 metre	figure 8 flex prewired
9	PW/ALH/S5/2.0	T5 (G5)	2 metre	figure 8 flex prewired
9	PW/ALH/S8/1.0	T8 (G13)	1 metre	figure 8 flex prewired
9	PW/ALH/S8/2.0	T8 (G13)	2 metre	figure 8 flex prewired
9	PW/ALH/S8/3.0	T8 (G13)	3 metre	figure 8 flex prewired
9	PW/ALH/S12/1.0	T12 (G13)	1 metre	figure 8 flex prewired
9	PW/ALH/S12/2.0	T12 (G13)	2 metre	figure 8 flex prewired
9	PW/ALH/S12/3.0	T12 (G13)	3 metre	figure 8 flex prewired
10	ALH/S5/SHD/2	T5 (G5)	2 metre	IP64 double insulated
10	ALH/S8/SHD/2	T8 (G13)	2 metre	IP64 double insulated

End fix lampholders

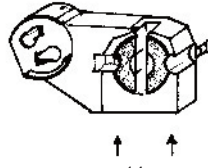
T8/T12



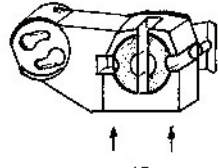
12



13



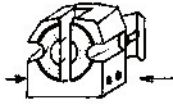
14



15

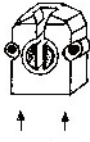


16

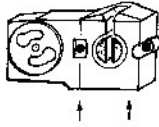


17

No.	Catalogue Number	Lampholder Thickness	Fixing Centres	Detail	
12	ALH/E9	9.5mm	26mm		
13	ALH/E9/1	9.5mm	26mm	spring adjuster	
14	ALH/E9/S	9.5mm	26mm	integral starter holder	
15	ALH/E9/1/S	9.5mm	26mm	spring adjuster c/w starter holder	
12	ALH/E10	10.5mm	26mm		
13	ALH/E10/1	10.5mm	26mm	spring adjuster	
14	ALH/E10/S	10.5mm	26mm	integral starter holder	
15	ALH/E10/1/S	10.5mm	26mm	spring adjuster c/w starter holder	
12	ALH/E10/23	10.5mm	23mm		
13	ALH/E10/1/23	10.5mm	23mm	spring adjuster	
12	ALH/E13	13mm	26mm		
13	ALH/E13/1	13mm	26mm	spring adjuster	
14	ALH/E13/S	13mm	26mm	integral starter holder	
15	ALH/E13/1/S	13mm	26mm	spring adjuster c/w starter holder	
16	ALH/E9/350	9.5mm	26mm		side wiring
17	ALH/E9/1/350	9.5mm	26mm	spring adjuster	side wiring
16	ALH/E10/350	10.5mm	26mm		side wiring
17	ALH/E10/1/350	10.5mm	26mm	spring adjuster	side wiring
16	ALH/E13/350	13mm	26mm		side wiring
17	ALH/E13/1/350	13mm	26mm	spring adjuster	side wiring



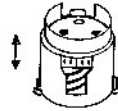
18



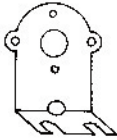
19



20



21
spring loaded

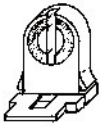


21a

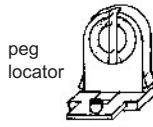
No.	Catalogue Number	Lampholder Thickness	Fixing Centres	Detail
18	ALH/345	9.5mm	26mm	screw fix
19	ALH/345/S	9.5mm	26mm	screw fix c/w integral starter holder
18	ALH/340	13.5mm	26mm	screw fix
19	ALH/340/S	13.5mm	26mm	screw fix c/w integral starter holder
20	ALH/T8/FX	-	26mm	fixed T8
21	ALH/T8/ADJ	-	26mm	adjustable T8
21a	ALH/BKT	LCH 25mm	-	fixing bracket

Push through lampholders

T8/T12

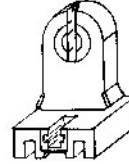


22

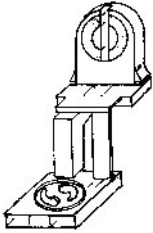


peg
locator

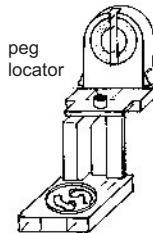
23



24

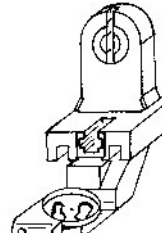


25



peg
locator

26



27

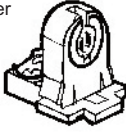
No.	Catalogue Number	Lamp Centre Height	Cutout Size	Peg	Detail	Body thickness
22	ALH/253	29.5mm	25.5 x 13.3			11.6mm
23	ALH/253P	29.5mm	25.5 x 13.3	peg		11.6mm
25	ALH/253/S	29.5mm	25.5 x 13.3		starterholder	11.6mm
26	ALH/253/SP	29.5mm	25.5 x 13.3	peg	starterholder	11.6mm
22	ALH/253/2509	29.5mm	25.5 x 9			8.7mm
23	ALH/253/2509P	29.5mm	25.5 x 9	peg		8.7mm
22	ALH/253/2510	29.5mm	25.5 x 10.3			10.0mm
23	ALH/253/2510P	29.5mm	25.5 x 10.3	peg		10.0mm
22	ALH/255	22.5mm	25.5 x 13.3			11.6mm
23	ALH/255P	22.5mm	25.5 x 13.3	peg		11.6mm
25	ALH/255/S	22.5mm	25.5 x 13.3		starterholder	11.6mm
26	ALH/255/SP	22.5mm	25.5 x 13.3	peg	starterholder	11.6mm
22	ALH/255/2509	23.0mm	25.5 x 9			8.7mm
23	ALH/255/2509P	23.0mm	25.5 x 9	peg		8.7mm
24	ALH/197	29.5mm	25.5 x 10.5		screw terminals	-
27	ALH/197/S	29.5mm	25.5 x 10.5		c/w starterholder	-

ALH/197 only available while stocks last

Please note the ALH/253 & ALH/255 ranges have a transparent polycarbonate body

White is available - i.e ALH/253/WHITE

rear
starter

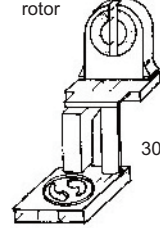


28



29

small
rotor



30

No.	Catalogue Number	Lamp Centre Height	Cutout Size	Peg	Detail
28	ALH/255/SR	22.5mm	34 x 25		rear starter
as 28	ALH/255/SRP	22.5mm	34 x 25	peg	rear starter
29	ALH/245	23.5mm	25.5 x 13.3		
as 29	ALH/245P	23.5mm	25.5 x 13.3	peg	
30	ALH/245/S	23.5mm	25.5 x 13.3		starter holder (vertical)
as 30	ALH/245/SP	23.5mm	25.5 x 13.3	peg	starter holder (vertical)
29	ALH/245P/2509	17.0mm	25.5 x 9	peg	
29	ALH/245/2512	23.0mm	25.5 x 12		

Snap in lampholders

(slot fixing) T8



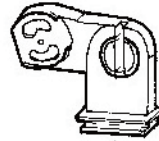
35



36



37



38

No.	Catalogue Number	Lamp Centre Height	Cutout Size	Wiring Entry	Detail
35	ALH/273	18mm	25.5 x 13.3	below	
36	ALH/280	18mm	20 x 10	surface (side)	
36	ALH/271	21mm	20 x 10	surface (side)	
35	ALH/1458	25mm	25.5 x 13.3	below	
as 37	ALH/269	25mm	20 x 10	below/surface(rear)	
38	ALH/1458/S	25mm	25.5 x 13.3	below	integral s/holder
as 38	ALH/269/S	25mm	20 x 10	below/surface(rear)	integral s/holder
36	ALH/252	25mm	25.5 x 13.3	surface (side)	
as 38	ALH/252/S	25mm	25.5 x 13.3	surface (side)	integral s/holder

Snap in lampholders

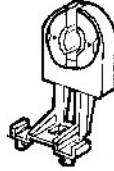
T8/T12 (2 hole fix)



39



40



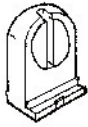
41

Fixing hole details either 2 holes 4.5x4.3mm @ 23mm c/s or 2 holes 5.5mm dia. @ 23mm c/s

No.	Catalogue Number	Lamp Centre Height	Detail
39	ALH/243	30mm	
40	ALH/243/S	30mm	integral starterholder
39	ALH/246	23.5mm	
40	ALH/246/S	23.5mm	integral starterholder
41	ALH/243/1253	30mm	1 wire for instant start circuits
41	ALH/246/1251	23.5mm	1 wire for instant start circuits

Base fix lampholders

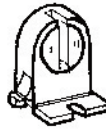
T5 (G5)



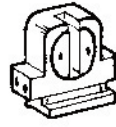
48



49



50



51



52



53



54

No.	Catalogue Number	Lamp Centre Height	Fixing Detail	Wiring Position	Detail
48	ALH/G5/284	15mm	20 x 10	below	snap in
48	ALH/G5/284/23	23mm	20 x 10	below	snap in
49	ALH/G5/283	15mm	2 x 3.7 Ø	base	2 holes
50	ALH/G5/620	16mm	20 x 10	base	push through
as 50	ALH/G5/620P	16mm	20 x 10 peg	base	push through
50	ALH/G5/289/21	21mm	20 x 10	base	push through
as 50	ALH/G5/289/21P	21mm	20 x 10 peg	base	push through
50	ALH/G5/289/25	25mm	20 x 10	base	push through
50	ALH/G5/289/25P	25mm	20 x 10 peg	base	push through
50	ALH/G5/289/30	30mm	20 x 10	base	push through
as 50	ALH/G5/289/30P	30mm	20 x 10 peg	base	push through
50	ALH/G5/289/36	36mm	20 x 10	base	push through
as 50	ALH/G5/289/36P	36mm	20 x 10 peg	base	push through
51	ALH/G5/660/14	14mm	20 x 10	side (surface)	snap in
51	ALH/G5/660/18	18mm	20 x 10	side (surface)	snap in
51	ALH/G5/660/21	21mm	20 x 10	side (surface)	snap in
52	ALH/G5/1283/15	15mm	2 x 3.7 Ø	side (surface)	2 holes snap in
52	ALH/G5/1283/21	21mm	2 x 3.7 Ø	side (surface)	2 holes snap in
52	ALH/G5/1283/23	23mm	2 x 3.7 Ø	side (surface)	2 holes snap in
52	ALH/G5/1283/36	36mm	2 x 3.7 Ø	side (surface)	2 holes snap in
53	ALH/MPS	13.5mm	20 x 10	below	push through
54	ALH/MPB	13.2mm	screw fix	base	m3.5

End fix lampholders

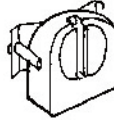
T5 (G5)



55



56



57



58



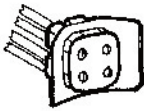
60



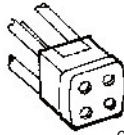
61

No.	Catalogue Number	Lampholder Thickness	Fixing Centres	Detail
55	ALH/MPE	9.5mm	18mm	vertical holes @ 18mm centres
56	ALH/G5/641	9.35mm	20mm	base wiring
57	ALH/G5/641/1	9.35mm	20mm	base wiring . adj. spring
58	ALH/G5/282	9.35mm	18mm	vertical holes
as 58	ALH/G5/282/1	9.35mm	18mm	vertical holes . adj. spring
60	ALH/G5/640	9.35mm	20mm	side wiring
61	ALH/G5/640/1	9.35mm	20mm	side wiring . adj. spring

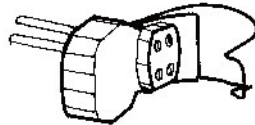
Circular tube lampholders



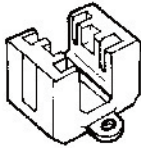
65



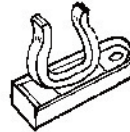
66



67



68

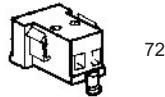
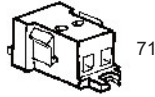


69

No.	Catalogue Number	Lamp	Fixing	Detail
65	ALH/C	G10Q	push on	
66	ALH/C/E	G10Q	push on	
67	ALH/C/S	G10Q	push on	starterholder and clip

68	ALH/C/2GX13	2GX13 T5	screw	centre hole for cable 2 holes @ 18mm c/s 2 holes @ 26mm c/s
as 68	ALH/C/2GX13/RF	2GX13 T5	self tap	2 holes @ 18mm c/s (rearfix) plus centre hole
69	ALH/C/2GX13/135V	support clip	screw fix	lamp clip for T5C
	ALH/C/T5/C	T5R clip	snap in	snaps in 4.5 hole . see drawing 136

2D lampholders for standard 2 pin circuits

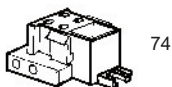


Wiring = surface at ends or from below

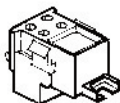
No.	Catalogue Number	Lamp	Fixing Detail	Detail
71	ALH/2D/S	2 pin GR8	screw fix	fixing centres @ 36mm
72	ALH/2D/P	2 pin GR8	peg fix	snap in @ 30mm c/s
73	ALH/2D/G	2 pin GR8	grip fix	snap in slots .17.5X3.2 & 10.5 x 9.5

2 pin are only suitable for 16/28W 2D (TC-DD)

2D lampholders for standard 4 pin circuits



74

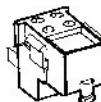


77

surface
wiring at
sides



75

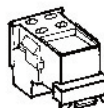


78

wiring from
below only



76



79

No.	Catalogue Number	Lamp	Fixing	Detail
74	ALH/2D/412S	GR10Q	screw	fixing centres @ 38mm
75	ALH/2D/412P	GR10Q	peg	snap in @ 30mm c/s
76	ALH/2D/412G	GR10Q	grip	snap in slots 17.5X3.2 & 10.5 x 9.5
76	ALH/2D/412G/4701	GR10Q	grip	snap in slots 26.715.4701.50
77	ALH/2D/413S	GR10Q	screw	f/c @ 35mm & 17.5 x 15.7mm hole
78	ALH/2D/413P	GR10Q	peg	f/c @ 30.2mm & 17.5 x 15.7mm hole
79	ALH/2D/413G	GR10Q	grip	snap in slots 17.5X3.2 & 17.7 x 17.5
77	ALH/2D/414S	GRY10Q-3	screw	f/c @ 35mm & 17.5 x 15.7mm hole
78	ALH/2D/414P	GRY10Q-3	peg	f/c @ 30.2mm & 17.5 x 15.7mm hole
79	ALH/2D/414G	GRY10Q-3	grip	snap in slots 17.5X3.2 & 17.7 x 17.5
74	ALH/2D/415S	GRY10Q-3	screw	fixing centres @ 38mm
75	ALH/2D/415P	GRY10Q-3	peg	snap in @ 30mm c/s
76	ALH/2D/415G	GRY10Q-3	grip	snap in slots 17.5X3.2 & 10.5 x 9.5

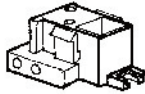
GR10Q = 10/16/21/28/38W 2D lamps

GRY10Q-3 = 55W 2D lamp

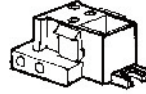
ALH/...../4701 - same as '76' but wiring is surface and at both ends.

2D lampholders

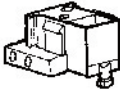
for special 2D lamps with integral control gear



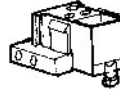
80



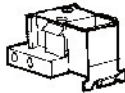
80a



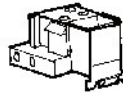
81



81a



82



82a

No.	Catalogue Number	Lamp	Fixing Detail	Detail
80	ALH/2D/418S	GRZ10d	screw	fixing centres @ 38mm
81	ALH/2D/418P	GRZ10d	peg	fixing centres @ 30mm
82	ALH/2D/418G	GRZ10d	grip	17.5 x 3.2 & 10.5 x 9.5mm holes
80a	ALH/2D/416S	GRZ10t	screw	fixing centres @ 38mm
81a	ALH/2D/416P	GRZ10t	peg	fixing centres @ 30mm
82a	ALH/2D/416G	GRZ10t	grip	17.5 x 3.2 & 10.5 x 9.5mm holes

GRZ10t 3 pin lampholder for 30/40W 2D integral gear (3 pin special)

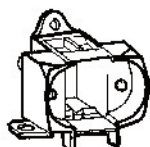
GRZ10d 2 pin lampholder for 18W 2D integral gear (3 pin special)

-	ALH/GX53-1	GX53-1	screw	screw fix @ 78.5mm centres 6/7/9W integrated electronic ballast
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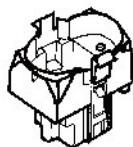
GR14Q-1 lampholder (twist & lock) available on request.

Compact lamp lampholders

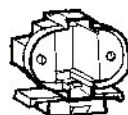
PL type 2 Pin G23 5/7/9/11W GX23 13W



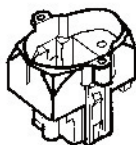
83



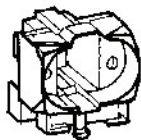
84



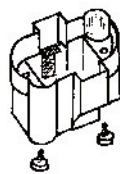
85



86



87



88

No.	Catalogue Number	Lamp	Fixing	Detail
83	ALH/PL	G23	screw	24mm c/s horiz. 29mm c/s vertical.
84	ALH/PL/RS	G23	recessed	snap in 36x21mm hole also rear self tap @ 18mm c/s
85	ALH/PL/S	G23	snap in	20 x 10mm hole
86	ALH/PL/R	G23	recessed	snap in 36x21mm hole & 30mm c/s for screws also rear self tap @ 18mm c/s
87	ALH/PL/P	G23	peg fix	4.2 Ø holes @ 19.5mm c/s
as 83	ALH/PL/H	G23	screw	horizontal fixing only
88	ALH/PL/EDF	G23	self tap	centre hole or rear s. tap @ 28mm c/s
as 83	ALH/PL/BU	G23	snap in	2 x 7.5 Ø holes @23mm c/s
83	ALH/PL/GX23	GX23	screw	24mm c/s horiz. 29mm c/s vertical.
83	ALH/PL/G23-2	G23 G23-2	screw	24mm c/s
85	ALH/PL/G23-2/S	G23 G23-2	snap in	20 x 10mm hole

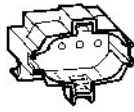
G23 = 5/7/9/11W 2 pin lamp

GX23 = 13W lamp

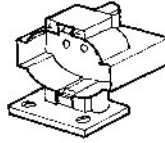
G23-2 = 9W cluster 2 pin lamp

Compact lamp lampholders

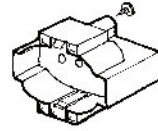
4 pin - 2G7 / 2GX7 / 2G10



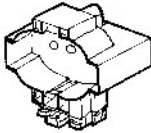
89



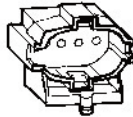
90



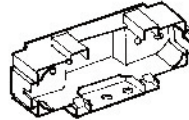
91



92



93



94

No.	Catalogue Number	Lamp	Fixing Detail	Detail
89	ALH/2G7	2G7	screw	24mm c/s holes at rear of lampholder
90	ALH/2G7/F	2G7	screw	24mm c/s holes at front of lampholder
91	ALH/2G7/R	2G7	rear	self tap @ 18mm c/s
92	ALH/2G7/S	2G7	snap in foot	20 x 10mm hole
93	ALH/2G7/P	2G7	peg	2 pegs @ 20mm c/s
90	ALH/2GX7/F	2GX7	screw	24mm c/s
94	ALH/2G10	2G10	screw	24mm c/s
as 94	ALH/2G10/P	2G10	peg	2 pegs @ 20mm c/s

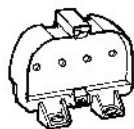
2G7 = 5/7/9/11W 4 pin lamps

2GX7 = 13W 4 pin lamp

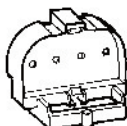
2G10 = 18/24/36W lamps

2G11 lampholders

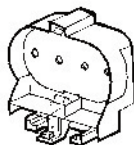
(TCL/PLL)



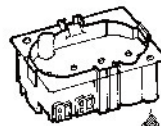
95



96



97



98



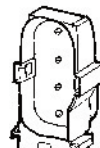
99



100



101



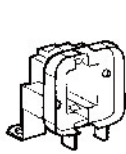
102

No.	Catalogue Number	Lamp	Fixing Detail	Detail
95	ALH/2G11	2G11	screw	24mm c/s
96	ALH/2G11/P	2G11	peg	20mm c/s
97	ALH/2G11/S	2G11	snap in foot	25.5 x 13.3mm hole
98	ALH/2G11/R	2G11	rear/recessed	screw @ 36mm c/s or recessed
99	ALH/2G11/E	2G11	end fix	24mm c/s & 5.5mm Ø hole
100	ALH/2G11/V	2G11	screw	24mm c/s - vertical mount
101	ALH/2G11/VP	2G11	peg	20mm c/s - vertical mount
102	ALH/2G11/VS	2G11	snap in foot	25.5 x 13.3mm hole - vertical mount
95	ALH/2G11/64703	2G11	screw	end holes @ 24 c/s. base holes @ 24 c/s
95	ALH/2G11/64806	2G11	screw	S.T. @ 24 c/s & wiring holes 26.726.4806.50
98	ALH/2G11/BF	2G11	screw	peg fix @ 55 c/s. 443/AU
	ALH/2G11/BU	2G11	snap in	4 holes @ 11 c/s. 441/BU
96	ALH/2G11/P/SH	2G11	peg	rear fix . starter holder . 441/AU/16

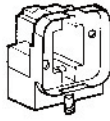
2G11 = 18/24/36/40/55/80W - TCL/PLL

Compact lamp lampholders

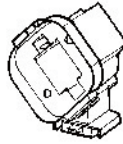
2 pin cluster



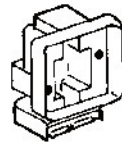
103
screw fix



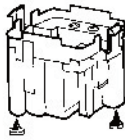
104
peg fix



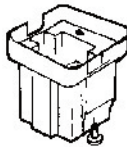
105
snap in foot
lamp at 45°



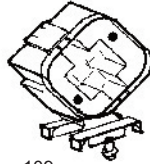
106
snap in foot



107
fully recessed
or screw fix at end



108
peg fix

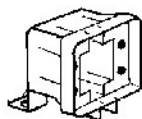


109
peg fix
lamp at 45°

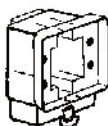
No.	Catalogue Number	Lamp Cap. Watts	Fixing Detail	Detail
103	ALH/G24D1/H	G24D1 10/13	screw	24mm c/s
103	ALH/G24D2/H	G24D2 18	screw	24mm c/s
103	ALH/G24D3/H	G24D3 26	screw	24mm c/s
104	ALH/G24D1/P	G24D1 10/13	peg	20mm c/s front & rear
104	ALH/G24D2/P	G24D2 18	peg	20mm c/s front & rear
104	ALH/G24D3/P	G24D3 26	peg	20mm c/s front & rear
105	ALH/G24D1/S	G24D1 10/13	snap in foot	20 x 10 hole . lamp turned 45°
105	ALH/G24D2/S	G24D2 18	snap in foot	20 x 10 hole . lamp turned 45°
105	ALH/G24D3/S	G24D3 26	snap in foot	20 x 10 hole . lamp turned 45°
106	ALH/G24D1/S/LR	G24D1 10/13	snap in foot	20 x 10 hole . lamp turned 90°
106	ALH/G24D2/S/LR	G24D2 18	snap in foot	20 x 10 hole . lamp turned 90°
106	ALH/G24D3/S/LR	G24D3 26	snap in foot	20 x 10 hole . lamp turned 90°
107	ALH/G24D1/V	G24D1 10/13	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
107	ALH/G24D2/V	G24D2 18	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
107	ALH/G24D3/V	G24D3 26	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
108	ALH/G24D1/VP	G24D1 10/13	peg fix	19.5mm c/s vertical peg
108	ALH/G24D2/VP	G24D2 18	peg fix	19.5mm c/s vertical peg
108	ALH/G24D3/VP	G24D3 26	peg fix	19.5mm c/s vertical peg
109	ALH/G24D1/PA	G24D1 10/13	peg fix	19.5mm c/s . lamp turned 45°
109	ALH/G24D2/PA	G24D2 18	peg fix	19.5mm c/s . lamp turned 45°
109	ALH/G24D3/PA	G24D3 26	peg fix	19.5mm c/s . lamp turned 45°

Compact lamp lampholders

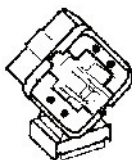
4 pin cluster



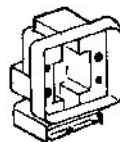
110
screw fix



111
peg fix



112
snap in foot
lamp at 45°



113
snap in foot

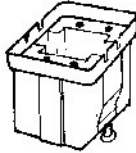
No.	Catalogue Number	Lamp Cap. Watts	Fixing Detail	Detail
110	ALH/G24Q1/H	G24Q1 10/13	screw	24mm c/s
110	ALH/G24Q2/H	G24Q2 18	screw	24mm c/s
110	ALH/G24Q3/H	G24Q3 26/32	screw	24mm c/s
110	ALH/G24Q4/H	G24Q4 42	screw	24mm c/s
110	ALH/G24Q5/H	G24Q5 57	screw	24mm c/s
110	ALH/G24Q6/H	G24Q6 70	screw	24mm c/s
111	ALH/G24Q1/P	G24Q1 10/13	peg	19.5mm c/s front & rear
111	ALH/G24Q2/P	G24Q2 18	peg	19.5mm c/s front & rear
111	ALH/G24Q3/P	G24Q3 26/32	peg	19.5mm c/s front & rear
111	ALH/G24Q4/P	G24Q4 42	peg	19.5mm c/s front & rear
111	ALH/G24Q5/P	G24Q5 57	peg	19.5mm c/s front & rear
111	ALH/G24Q6/P	G24Q6 70	peg	19.5mm c/s front & rear
112	ALH/G24Q1/S	G24Q1 10/13	snap in foot	20 x 10 hole . lamp turned 45°
112	ALH/G24Q2/S	G24Q2 18	snap in foot	20 x 10 hole . lamp turned 45°
112	ALH/G24Q3/S	G24Q3 26/32	snap in foot	20 x 10 hole . lamp turned 45°
112	ALH/G24Q4/S	G24Q4 42	snap in foot	20 x 10 hole . lamp turned 45°
112	ALH/G24Q5/S	G24Q5 57	snap in foot	20 x 10 hole . lamp turned 45°
112	ALH/G24Q6/S	G24Q6 70	snap in foot	20 x 10 hole . lamp turned 45°
113	ALH/G24Q1/S/LR	G24Q1 10/13	snap in foot	20 x 10 hole . lamp turned 90°
113	ALH/G24Q2/S/LR	G24Q2 18	snap in foot	20 x 10 hole . lamp turned 90°
113	ALH/G24Q3/S/LR	G24Q3 26/32	snap in foot	20 x 10 hole . lamp turned 90°
113	ALH/G24Q4/S/LR	G24Q4 42	snap in foot	20 x 10 hole . lamp turned 90°
113	ALH/G24Q5/S/LR	G24Q5 57	snap in foot	20 x 10 hole . lamp turned 90°
113	ALH/G24Q6/S/LR	G24Q6 70	snap in foot	20 x 10 hole . lamp turned 90°

Compact lamp lampholders

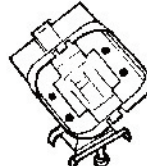
4 pin cluster



114
screw fix



115
peg fix



116
peg fix
lamp at 45°

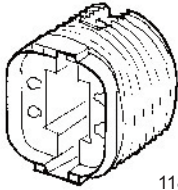


117
end fix

No.	Catalogue Number	Lamp Cap. Watts	Fixing Detail	Detail
114	ALH/G24Q1/V	G24Q1 10/13	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
114	ALH/G24Q2/V	G24Q2 18	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
114	ALH/G24Q3/V	G24Q3 26/32	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
114	ALH/G24Q4/V	G24Q4 42	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
114	ALH/G24Q5/V	G24Q5 57	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
114	ALH/G24Q6/V	G24Q6 70	recessed/rear	3.6 hole @ 34mm c/s (35 x 35 hole)
115	ALH/G24Q1/VP	G24Q1 10/13	peg	19.5mm c/s
115	ALH/G24Q2/VP	G24Q2 18	peg	19.5mm c/s
115	ALH/G24Q3/VP	G24Q3 26/32	peg	19.5mm c/s
115	ALH/G24Q4/VP	G24Q4 42	peg	19.5mm c/s
115	ALH/G24Q5/VP	G24Q5 57	peg	19.5mm c/s
115	ALH/G24Q6/VP	G24Q6 70	peg	19.5mm c/s
116	ALH/G24Q1/PA	G24Q1 10/13	peg	19.5mm c/s . lamp turned 45°
116	ALH/G24Q2/PA	G24Q2 18	peg	19.5mm c/s . lamp turned 45°
116	ALH/G24Q3/PA	G24Q3 26/32	peg	19.5mm c/s . lamp turned 45°
117	ALH/G24Q1/E	G24Q1 10/13	end fix	centre hole fix plus 2 locating pegs
117	ALH/G24Q2/E	G24Q2 18	end fix	centre hole fix plus 2 locating pegs
117	ALH/G24Q3/E	G24Q3 26/32	end fix	centre hole fix plus 2 locating pegs
117	ALH/G24Q4/E	G24Q4 42	end fix	centre hole fix plus 2 locating pegs
117	ALH/G24Q5/E	G24Q5 57	end fix	centre hole fix plus 2 locating pegs
117	ALH/G24Q6/E	G24Q6 70	end fix	centre hole fix plus 2 locating pegs

Special lampholders

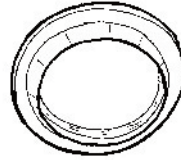
Compact lamps



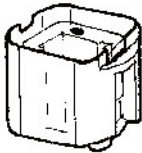
118
external M40 threads



119
M10



120
M40 shade ring



121

rear screw fix for 29mm c/s
3.5mm dia or snap cap or
3x3.2mm dia holes @ 9mm c/s

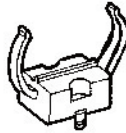
No.	Catalogue Number	Lamp Cap. Watts	Fixing Detail	Detail
118	ALH/G24D1/B	G24D1 10/13	screw	snap cap 31.3Ø @ 29mm c/s - 2 pin
118	ALH/G24D2/B	G24D2 18	screw	snap cap 31.3Ø @ 29mm c/s - 2 pin
118	ALH/G24D3/B	G24D3 26/32	screw	snap cap 31.3Ø @ 29mm c/s - 2 pin
118	ALH/G24Q1/B	G24Q1 10/13	screw	snap cap 31.3Ø @ 29mm c/s
118	ALH/G24Q2/B	G24Q2 18	screw	snap cap 31.3Ø @ 29mm c/s
118	ALH/G24Q3/B	G24Q3 26/32	screw	snap cap 31.3Ø @ 29mm c/s
118	ALH/G24Q4/B	G24Q1 42	screw	snap cap 31.3Ø @ 29mm c/s
119	ALH/PEN/M10		M10	snap on cap
120	ALH/PEN/SR	M40	shade ring	narrow flange O/D 48mm
120	ALH/PEN/SRB	M40	shade ring	narrow flange O/D 54mm
121	ALH/G24Q1/R	G24Q1 10/13	screw	snap cap. 5 fixing holes.
121	ALH/G24Q2/R	G24Q2 18	screw	snap cap. 5 fixing holes.
121	ALH/G24Q4/R	G24Q4 26-42	screw	snap cap. 5 fixing holes.
121	ALH/G24Q5/R	G24Q5 57	screw	snap cap. 5 fixing holes.
121	ALH/G24Q6/R	G24Q6 70	screw	snap cap. 5 fixing holes.

Lamp support clips

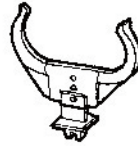
G23 2G7 2G10



122



123



124
variable height



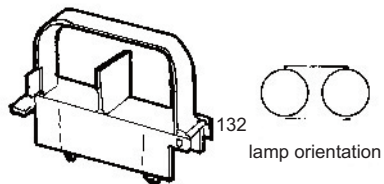
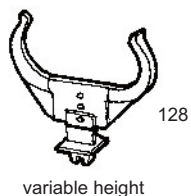
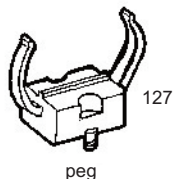
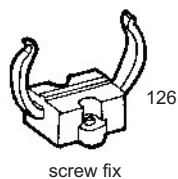
125

No.	Catalogue Number	Lamp Cap.	Lamp Centre Height	Detail
122	ALH/G23/SUP	G23/2G7	17.5	screw fix
123	ALH/G23/SUP/P	G23/2G7	17.5	peg fix . 2 holes @ 16mm c/s
124	ALH/G23/SUP/S1	G23/2G7	17.5/20.5/23.5	snap in 5.5mmØ adjustable
125	ALH/2G10/SUP	2G10	20	screw fix. 4 holes
as125	ALH/2G10/SUP/P	2G10	20	2 peg fix. 16mm c/s

G23SUP - width = 31mm
 G23SUP/P - width = 31mm
 G23SUP/S1 - width = 31mm

Lamp support clips

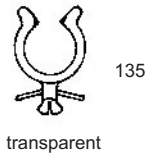
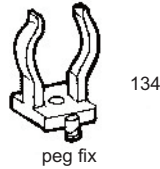
2G11 lamp cap . TCL - PLL . Horizontal



No.	Catalogue Number	Lamp Centre Height	Fixing Detail	Detail
126	ALH/2G11/SUP/2H	21.5	screw	2 holes @ 16mm c/s
127	ALH/2G11/SUP/P	21.5	peg	2 holes @ 16mm c/s
128	ALH/2G11/SUP/S1	21/24/27	snap in	5.5mm Ø hole
128	ALH/2G11/SUP/S2	31/34/37	snap in	5.5mm Ø hole
129	ALH/2G11/SUP/MC	21.5	snap in	10.5 x 8.5mm hole . metal clip
as129	ALH/2G11/SUP/MCP	21.5	snap in	5.5mm Ø hole . metal clip
as129	ALH/2G11/SUP/MCS	21.5	snap in	2 pegs @ 16mm c/s . metal clip
131	ALH/2G11/SUP/SIL	20	snap in	10.5 x 8.5mm hole
130	ALH/2G11/SUP/S	21.5	snap in	5.5mm Ø hole .
130	ALH/2G11/SUP/S24	24	snap in	5.5mm Ø hole .
132	ALH/2G11/SUP/L	21	peg	2 pegs @ 24mm c/s . 4.2mm Ø

Lamp support clips

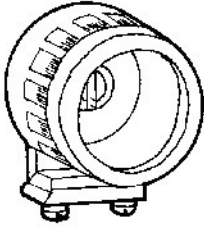
2G11 lamp cap . TCL - PLL . Vertical



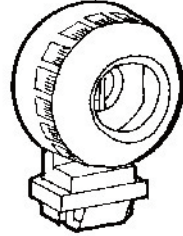
No.	Catalogue Number	Lamp Centre Height	Fixing Detail	Detail
133	ALH/2G11/SUP/V	15	screw	4.2mm Ø hole
134	ALH/2G11/SUP/VP	15	peg	2 x 4.2mm Ø holes @ 16mm c/s
135	ALH/2G11/SUP/VS	15	snap in	5.5mm Ø hole . clear.
136	ALH/2G11/SUP/VS/WH	15.5	snap in	5.5mm Ø hole . white.

Sealed Lampholders

IP66 / IP67



137
screw fix

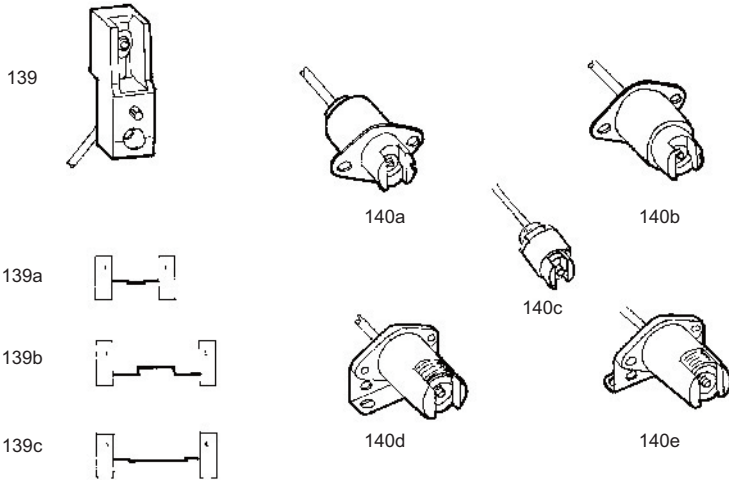


138
snap in foot

No.	Catalogue Number	Lamp	Sealing To	Overtube	Fixing
137	ALH/WP/SF/26	T8	T8 lamp	N/A	screws @ 24 c/s
137	ALH/WP/SF/38	T8/T12	T12 or O.T.	38mm Ø	screws @ 24 c/s
137	ALH/WP/SF/50	T8/T12	overtube	50mm Ø	screws @ 24 c/s
138	ALH/WP/SI/26	T8	T8 lamp	N/A	snap in 25.5x17.6
138	ALH/WP/SI/38	T8/T12	T12 or O.T.	38mm Ø	snap in 25.5x17.6
138	ALH/WP/SI/50	T8/T12	overtube	50mm Ø	snap in 25.5x17.6
138	ALH/WP/SI/T5	T5	T5 lamp	N/A	25.5x17.6
138	ALH/WP/SI/T5/13	T5	T5 lamp	N/A	25.5x13.3
138	ALH/WP/SI/T5/38	T5	overtube	38mm Ø	25.5x17.6

Twin lamp versions & R17D cap on request.

Linear Tungsten Halogen Lampholders



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
139	ALH/R7	Max. 500W	138.5	26.5	15	single l/holder M3.5
139a	ALH/R7T	150W	104	15	44.5	centre hole & 31mm c/s
139b	ALH/R7B	500W	142.5	15	44.5	centre hole & 64.5mm c/s
139c	ALH/R7E	500W	138	15	44.5	centre hole only
140a	ALH/R7F	1500W	46	40	25	aluminium body 24mm . F/C 32
140b	ALH/R7R/50	2000W	39.5	41	25	aluminium body 24mm . F/C 31
140b	ALH/R7R/60	1000W	33.5	35	20.5	aluminium body 34mm . F/C 28
140c	ALH/R7/V5124	8A 250V	25	19Ø		M14 thread
140d	ALH/R7R/BKT/F	1500W	35	36	26	front facing bracket
140e	ALH/R7R/BKT/R	1000W	35	36	26	rear facing bracket

ALH/R7R/50 also suitable for RX7S lamps 16A 250V

ALH/R7R/60 also suitable for RX7S lamps 10A 250V

ALH/R7R/BKT/F also suitable for RX7S lamps 10A 250V

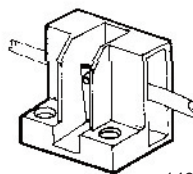
ALH/R7R/BKT/R also suitable for RX7S lamps 10A 250V

Linear Discharge Lampholders

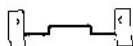
RX7S



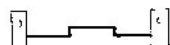
141



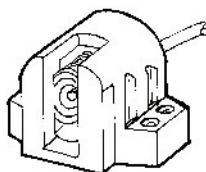
143



142a



142b

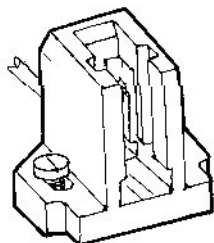


144

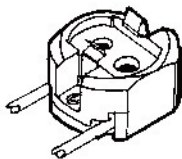
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
141	ALH/HQI/R721	4A 1000W	45	265	15	single lampholder . M3.5
142a	ALH/HQI/R7B7	70 MH	142	15	44	M4 centre . F/C 64.5mm
142b	ALH/HQI/R7B15	150 MH	160	15	44	M4 centre . F/C 64.5mm
143	ALH/HQI/R7LR	70-150 MH	26	36	30	left/right flex . F/C 24mm
144	ALH/HQI/R7CER	70-400 MH	35	45	31	4 hole fixing . 35mm c/s

Discharge Lampholders

GX10 FC2 G12 GX12-1



145
FC2 cap



146
G12/GX12-1



147
GX12-1
no flex
pushwire connection

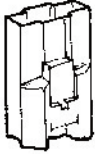


148
GX10
no flex
pushwire connection

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
145	ALH/HQ/FC2	26-1KW MH	38	48	45	captive M4 screw 32.5mm c/s 300mm leads
146	ALH/HQ/G12	35-150 MH	36	41	23	screw fix F/C = 30mm c/s 200mm leads
146	ALH/HQ/G12S	35-150 MH	36	41	23	M4 thread = 30mm c/s 200mm leads
147	ALH/HQ/GX12-1	50-100W	36	39	21	screw fix 30mm c/s. No flex
147	ALH/HQ/G12PW	35-150W	36	39	21	screw fix 30mm c/s. No flex
as147	ALH/HQ/GX12-1/S	50-100W	34	40	21	screw fix 30mm c/s. 200mm tails
148	ALH/GX10	20/35W	18	28Ø		screw fix 18mm c/s. No flex

Discharge Lampholders

G8.5 GX8.5



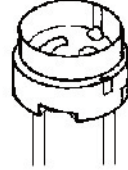
149
G8.5



150
G8.5



151
G8.5

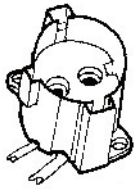


152
GX8.5

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
149	ALH/G8.5	20-70W	30	19	14	screw fix . 18mm c/s
150	ALH/G8.5/857	20-70W	29	24.5Ø		screw fix . 14mm c/s. 600mm tail
150	ALH/G8.5/857/M3	20-70W	29	24.5Ø		screw fix . M3. 295mm tail
151	ALH/G8.5/R	20-70W	14	21Ø		screw fix . 14mm c/s
as152	ALH/GX8.5	35-70 CDM	30	31Ø		screw fix . No tails
152	ALH/GX8.5T	35-70 CDM	30	31Ø		screw fix . 300mm tails. Rear.

Discharge Lampholders

PG12-



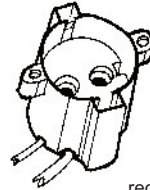
153

screw fix
externally



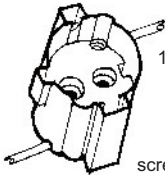
154

M4 captive
screw inside



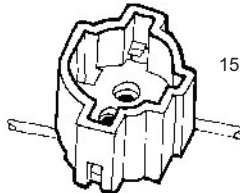
155

recessed



156

screw fix
internally



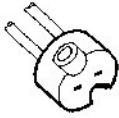
157

PGX

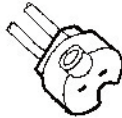
No.	Catalogue Number	Cap.	Lamp	Detail
153	ALH/PG12-1/F	PG12-1	35-100 HPS	screw fix 42mm c/s
153	ALH/PG12-2/F	PG12-2	35-70 MH	screw fix 42mm c/s
153	ALH/PG12-3/F	PG12-3	50-80 SOD/XEN	screw fix 42mm c/s
154	ALH/PG12-1	PG12-1	35-100 HPS	M4 captive screws 18mm c/s
154	ALH/PG12-2	PG12-2	35-70 MH	M4 captive screws 18mm c/s
154	ALH/PG12-3	PG12-3	50-80 SOD/XEN	M4 captive screws 18mm c/s
155	ALH/PG12-1/R	PG12-1	35-100 HPS	fully recessed 32Ø cutout F/C 40.5
156	ALH/PG12-1/S	PG12-1	35-100 HPS	screw fix 29mm c/s
156	ALH/PG12-2/S	PG12-2	35-70 MH	screw fix 29mm c/s
156	ALH/PG12-3/S	PG12-3	50-80 SOD/XEN	screw fix 29mm c/s
157	ALH/PGX12-1/F	PGX12-1	-	screw fix M4 @ 42 c/s (external)
157	ALH/PGX12-2/F	PGX12-2	150/250	screw fix M3 @ 29 c/s (internal)
157	ALH/PGX12-2/M3	PGX12-2	150	M3 fix @ 29 c/s (internal)
157	ALH/PGX12-2/M4	PGX12-2	150/250	M4 fix @ 42 c/s (external)

Low Voltage Lampholders

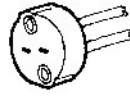
Multilamp . Max. 24V



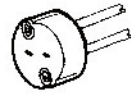
158
flat back



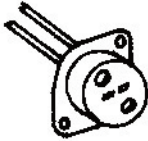
159
raised terminal
point



160
3.2mm clear
hole



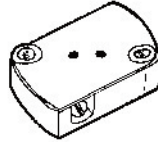
161
M3 threaded
bush



162
mica cover



163
pushwire
terminals



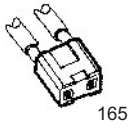
164
screw
terminals

No.	Catalogue Number	Lamp	Size			Detail	Tails
			L	W	H		
158	ALH/GXYZ/R	GZ4 G5.3 GX5.3 GX6.35 GY6.35	31Ø		10	screw fix . 18mm c/s flat back	120
159	ALH/GXYZ/R/RB	GZ4 G5.3 GX5.3 GX6.35 GY6.35	31Ø		10	screw fix . 18mm c/s raised rear section	120
160	ALH/GXYZ/R/BH	GZ4 G5.3 GX5.3 GX6.35 GY6.35	18.5	10.3		3.2mm clear bush. 12 c/s flat back	120
161	ALH/GXYZ/R/M3	GZ4 G5.3 GX5.3 GX6.35 GY6.35	18.5	10.3		3.2mm bush entry. 12 c/s flat back	120
162	ALH/GXYZ/M218	GZ4 G5.3 GX5.3 GX6.35 GY6.35	32	23	10	3.2mm holes @ 26 c/s mica cover	120
163	ALH/GX/456/PW	GZ4 G5.3 GX5.3 GX6.35 GY6.35	17Ø		10.2	3.3mm holes @ 12 c/s pushwire terminals no flex	-
164	ALH/GX/874 (flat back)	GX5.3 GY6.35	28	18	9	3.3mm holes @ 23 c/s screw terminals . flat back no flex	-
as163	ALH/GX/456/PW/LCP	G4 -GZ6.35	17Ø		12.5	3.5 dia holes @ 11.2 c/s pushwire terminal no flex	-

Please check with sales office for ALH/GX/456/PW with extra length leads
i.e. PW/ALH/GX/456/PW/600 600mm tails

Low Voltage Lampholders

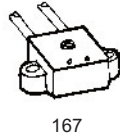
Max. 24V



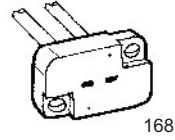
165



166



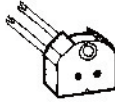
167



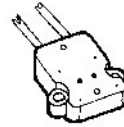
168



169



170

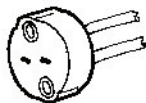


172

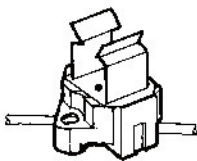
No.	Catalogue Number	Lamp	Size			Detail	Tails
			L	W	H		
165	ALH/GZ4/214	G4 GY4	9.5	6	10	push on only	120
166	ALH/GZ4/215	G4	18	9.5	10.5	2.3Ø holes @ 12mm c/s	120
167	ALH/GZ4/216	G4 GX4 GZ4	26.5	16.5	8.8	3.5Ø holes @ 20mm c/s	120
169	ALH/GX5.3C/50	GU5.3	27	17	10	3.5Ø holes @ 20mm c/s replaces GL1228/1258	1493
170	ALH/GX5.3D	G5.3 GX5.3	19	17	10	single 3.3Ø hole	120
as172 (+clip)	ALH/GU5.3H/GU	GU5.3	27	26	8	clip for GU5.3 lamp. 3.2Ø holes @ 19mm c/s	120
168	ALH/GX5.3HD	G5.3 GX5.3 G6.35 GY6.35	28	17	9	diagonal holes 3.5Ø holes @ 22mm c/s	120

Low Voltage Lampholders

Max. 24V



173



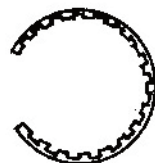
174



174a



175

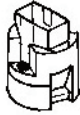


174b

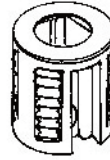
No.	Catalogue Number	Lamp	Size			Detail	Tails
			L	W	H		
173	ALH/GX56/BH/22	GX5.3 GY6.35	17Ø	10		3.4Ø holes @ 12mm c/s	220
173	ALH/GX56/M3/22	GX5.3 GY6.35	17Ø	10		M3 holes @ 12mm c/s	220
174	ALH/GU5.3C	GU5.3	27.7	25.7	12	3.7Ø holes @ 20mm c/s	120
175	ALH/GU4C/R	GU4	19	16	10	2.8Ø holes @ 11.2mm c/s	120
175	ALH/GU5.3C/R	GU5.3	19	16	10	2.8Ø holes @ 11.2mm c/s	120
174b	ALH/LV/RETW	50mm dia.	-	-	-	retaining clip (wavy)	-
174a	ALH/LV/RET	50mm dia.	-	-	-	retaining clip (wire)	-
174a	ALH/LV/RET35	35mm dia.	-	-	-	retaining clip (wire)	-
as 173	ALH/GU7/R	GU7	22.5Ø	8.7		3.3Ø holes @ 16mm c/s	150

Mains Voltage Lampholders

250V Rating



176
no flex
pushwire



177

No.	Catalogue Number	Lamp	Size			Detail	Tails
			L	W	H		
176	ALH/G9	G9	26.2Ø	33.5		M3 thread @ 18mm c/s also snap cap. Pushwire	-
176	ALH/G9/R	G9	26.2Ø	33.5		3.3Ø holes @ 18mm c/s also snap cap. Pushwire	-
as176	ALH/G9/R/T	G9	26.2Ø	33.5		preflexed as ALH/G9/R	140
-	ALH/G9/SC	G9				snap cap acc. for above	-
177	ALH/G9/25.834/CAP	G9	32Ø	20		G9 l/hdr with insulating cap (M10)	-
177	ALH/G9/25.834/SF	G9	32Ø	20		G9 l/hdr with insulating cap 3 x 3.2Ø hole . Screw fixing	-
-	ALH/G9/SR/336	-				Shade ring for above 28 Ø overall 7.5mm thick	-

Mains Voltage Lampholders

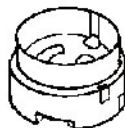
250V GU10 GZ10

tails



178

no tails. pushwire terminals
surface or rear mounting

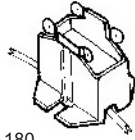


179

No.	Catalogue Number	Lamp	Size			Detail	Tails
			L	W	H		
178	ALH/GU10/R	GU10	28Ø	15.7		3.2Ø holes @ 18mm c/s also snap cap	140
179	ALH/GU10/S	GU10	28Ø	18		3.2Ø holes @ 18mm c/s also snap cap	
178	ALH/GZ10/R	GU10 GZ10	28Ø	15.7		3.2Ø holes @ 18mm c/s also snap cap	140
179	ALH/GZ10/S	GU10 GZ10	28Ø	18.7		3.2Ø holes @ 18mm c/s also snap cap	
-	ALH/GU10/TC	snap cap	30.5Ø	17.7		M10 entry	-
-	ALH/GU10/TC/SF	snap cap	30.5Ø	17.7		screw fix 3.2Ø holes @ 18mm c/s & 9mm centre hole	-

For special pre-flexed lampholders, please refer to the sales office
i.e. PW/ALH/GU10/S/500 500mm tails

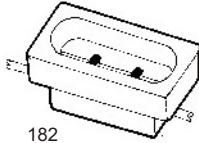
Specialist Lampholders



180
GX9.5



181
GY9.5/GZ9.5



182
GX16D

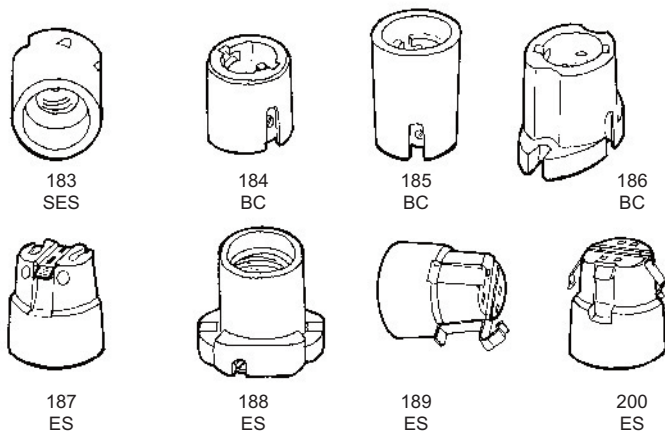
No.	Catalogue Number	Lamp	Size			Detail	Tails
			L	W	H		
180	ALH/GX9.5AL	GY9.5	40	44	41	alum. body. 4.2Ø holes @ 36mm c/s	145
181	ALH/GX9.5C	GY9.5/GZ9.5	32	30	27	lever attachment. 3.5 slots @ 23mm c/s	145
182	ALH/GX16D	GX16D	61	32	41	ceramic body	160

G38 , FaX1,5 and SFC10-4 available on request.

Porcelain Lampholders

SES BC ES

Adaptors List



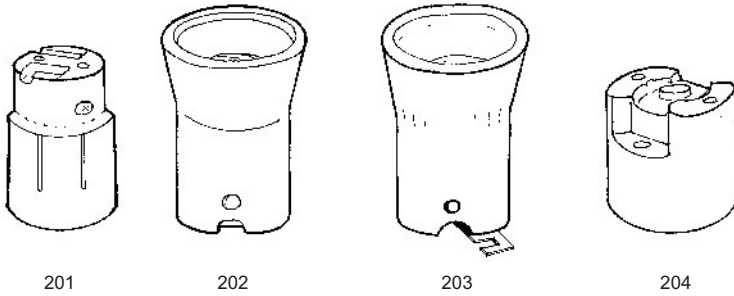
No.	Catalogue Number	Lamp		Size			Detail	
				L	W	H		
183	ALH/P/SES	SES	E14	47	47	47	2 holes @ 12mm c/s (inside)	
184	ALH/P/BC	BC	B22	35	33	33	2 holes @ 12mm c/s (inside)	
185	ALH/P/BC/SK	BC	B22	43	57	57	2 holes @ 12mm c/s (inside)	
186	ALH/P/BC/F	BC	B22	39	36	36	2 holes @ 39-42mm c/s (outside)	
187	ALH/P/ES/SK	ES	E27	42.8	46.9	46.9	4.2	2 holes @ 18c/s (inside) snap cap facility
188	ALH/P/ES/F	ES	E27	47	59	59	59	external fixing . 45-59mm c/s
189	ALH/P/ES/CH	ES	E27	43	47	47	47	clip into 10.2 x 7.2mm hole
200	ALH/P/ES/CV/PW	ES	E27	43	47	47	47	clip into 39 x 35mm hole (pushwire)
	ALH/P/ES/B	ES	E27	43	47	47	47	screw fix @ 15 degree angle fixing hole on front flange

ES-BC and BC-ES adaptors available on request. See below ..

ALH/ADAP/SES-ES
ALH/ADAP/BC-SES
ALH/ADAP/BC-SBC
ALH/ADAP/BC-ES
ALH/ADAP/BC-GZ10

ALH/ADAP/ES-BC
ALH/ADAP/ES-GU10
ALH/ADAP/ES-G9
ALH/ADAP/ES-SES
ALH/ADAP/GES-ES

For the above please see page 220



No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
201	ALH/P/GES	GES E40	60Ø	84.5		28-32mm c/s (inside)
202	ALH/P/GES/S	GES E40	71Ø	87		28-32mm c/s (inside)
202	ALH/P/GES/S95	GES E40	71Ø	87		28-32mm c/s (inside)
203	ALH/P/GES/S/BKT	GES E40	71Ø	87		56.5mm c/s (on bracket)
204	ALH/P/GES/403	GES E40	71Ø	67		51mm c/s (inside)

ALH/P/GES lamp carrier ring not live
 ALH/P/GES/S lamp carrier ring not live
 ALH/P/GES/S95 lamp carrier ring live
 ALH/P/GES/S/BKT lamp carrier ring not live
 ALH/P/GES/403 lamp carrier ring live

Brass Lampholders

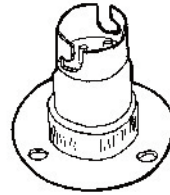
SBC BC 3BC



205
cord grip



206
conduit entry

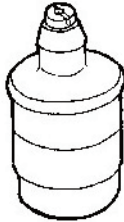


207
batten fix

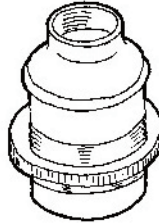
No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
205	ALH/BP/SBC/CG	SBC B15	23.2Ø	47		pendant cord grip
206	ALH/BP/SBC/10	SBC B15	23.2Ø	39		10mm conduit entry
206	ALH/BP/SBC/38	SBC B15	23.2Ø	39		3/8" conduit entry
206	ALH/BP/SBC/05	SBC B15	23.2Ø	39		1/2" conduit entry
207	ALH/BP/SBC/BF	SBC B15	38Ø	32		3 hole fixing plate
205	ALH/BP/BC/CG	BC B22d	32Ø	58		pendant cord grip
206	ALH/BP/BC/10	BC B22d	32Ø	45		10mm conduit entry
206	ALH/BP/BC/13	BC B22d	32Ø	45		13mm conduit entry
206	ALH/BP/BC/16	BC B22d	32Ø	45		16mm conduit entry
206	ALH/BP/BC/20	BC B22d	32Ø	45		20mm conduit entry
206	ALH/BP/BC/38	BC B22d	32Ø	45		3/8" conduit entry
206	ALH/BP/BC/05	BC B22d	32Ø	45		1/2" conduit entry
206	ALH/BP/BC/58	BC B22d	32Ø	45		5/8" conduit entry
207	ALH/BP/BC/BF	BC B22d	69Ø	39		2 hole fix 50mm
as206	ALH/BP/3BC/10	3BC B22/3	32Ø	45		10mm conduit entry
as206	ALH/BP/3BC/13	3BC B22/3	32Ø	45		13mm conduit entry
as206	ALH/BP/3BC/05	3BC B22/3	32Ø	45		1/2" conduit entry
as207	ALH/BP/3BC/BF	3BC B22/3	69Ø	39		2 hole fix 50mm
as206	ALH/BP/BC/10/SW	BC B22d	32Ø	45		10mm conduit entry. Switched
as206	ALH/BP/BC/13/SW	BC B22d	32Ø	45		13mm conduit entry. Switched
as206	ALH/BP/BC/05/SW	BC B22d	32Ø	45		1/2" conduit entry. Switched
as205	ALH/BP/BC/CG/SW	BC B22d	32Ø	58		pendant cord grip. Switched

Brass Lampholders

ES (SES / GES specials)



208
cord grip



209
conduit entry

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
208	ALH/BP/ES/CG	ES	E27	48Ø	68		cord grip pendant
209	ALH/BP/ES/10	ES	E27	48Ø	60		10mm conduit entry
209	ALH/BP/ES/13	ES	E27	48Ø	60		13mm conduit entry
209	ALH/BP/ES/16	ES	E27	48Ø	60		16mm conduit entry
209	ALH/BP/ES/20	ES	E27	48Ø	60		20mm conduit entry
209	ALH/BP/ES/05	ES	E27	48Ø	60		½" conduit entry
209	ALH/BP/ES/58	ES	E27	48Ø	60		⅝" conduit entry
as207	ALH/BP/ES/BF	ES	E27	67Ø	54		2 hole fix 50mm

Specials

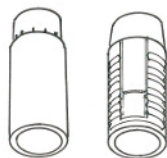
209	ALH/BP/GES/38	GES	E40	63Ø	85		¾" conduit entry
209	ALH/BP/SES/10	SES	E14	42.5Ø	63		10mm conduit entry

Spare shade rings available on request
 Reducing bushes, nipples and couplers are also available on request.

Plastic Lampholders

SBC BC SES

(SBC SES)



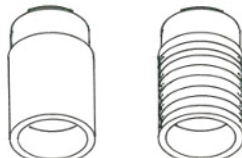
210

plain

211

threaded
skirt

(BC)



212

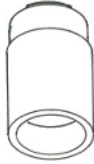
plain

213

threaded
skirt

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
210	ALH/PLA/E14/PL/M10	SES E14	52	27Ø		M10 entry . plain
211	ALH/PLA/E14/TH/M10/1	SES E14	52	27Ø		M10 entry . threaded. black
as211	ALH/PLA/E14/TH/M10	SES E14	64	34Ø		M10 snap cap . threaded . white
as211	ALH/PLA/E14/TH/M10/BLK	SES E14	64	34Ø		M10 snap cap . threaded . black
-	ALH/PLA/E14/SR	SES E14	8	27Ø		shade ring
212	ALH/PLA/BC/M10/BLK	BC B22	64	40Ø		M10 entry . plain. black
212	ALH/PLA/BC/M10/WH	BC B22	64	40Ø		M10 entry . plain. white
213	ALH/PLA/BC/TH/BLK	BC B22	64	40Ø		M10 entry . threaded. black
213	ALH/PLA/BC/TH/WH	BC B22	64	40Ø		M10 entry . threaded. white
-	ALH/PLA/BC/SR	BC B22	8	46Ø		shade ring
210	ALH/PLA/SBC/PL/M10	SBC B15	63	33Ø		M10 entry . plain. black
210	ALH/PLA/SBC/TH/M10	SBC B15	63	33Ø		M10 entry . threaded. black
-	ALH/PLA/SBC/SR	SBC B15	7	32Ø		shade ring

Switched lampholders available on request



214

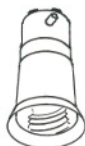
plain



215

threaded

No.	Catalogue Number	Lamp		Size			Detail
				L	W	H	
214	ALH/PLA/ES/M10/BLK	ES	E27	54	40Ø		M10 entry . plain . black
214	ALH/PLA/ES/M10/WH	ES	E27	54	40Ø		M10 entry . plain . white
215	ALH/PLA/ES/TH/BLK	ES	E27	54	40Ø		M10 entry . threaded . black
215	ALH/PLA/ES/TH/WH	ES	E27	54	40Ø		M10 entry . threaded . white
-	ALH/PLA/ES/SR/BLK	ES	E27	10	48Ø		shade ring . black
-	ALH/PLA/ES/SR/WH	ES	E27	10	48Ø		shade ring . white



216

No.	Catalogue Number	Lamp	Size			Detail
			L	W	H	
216	ALH/ADAP/BC-SBC	-	-	-	-	BC (B22) - SBC (B15)
216	ALH/ADAP/BC-SES	-	-	-	-	BC (B22) - SES (E14)
216	ALH/ADAP/ES-SES	-	-	-	-	ES (E27) - SES (E14)
216	ALH/ADAP/GES-ES	-	-	-	-	GES (E40) - ES (E27)
216	ALH/ADAP/SES-ES	-	-	-	-	SES (E14) - ES (E27)
216	ALH/ADAP/BC-ES	-	-	-	-	BC (B22) - ES (E27)
216	ALH/ADAP/ES-BC	-	-	-	-	ES (E27) - BC (B22)

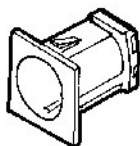
ALH/PLA/BC-GZ10

ALH/PLA/ES-GU10

ALH/PLA/SES-GU10

For other combinations, please check with our sales office

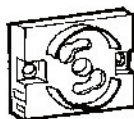
Starter Switch Holders



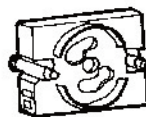
217



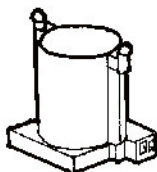
218



219



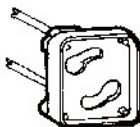
220



221



222



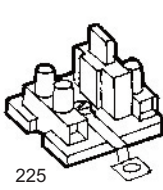
223



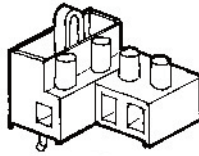
224

No.	Catalogue Number	Fixing	Terminals	Detail
217	ASB3	recessed	pushwire	28.7 x 23.5mm hole
217	ASB4	recessed	pushwire	28.7 x 25.6mm hole
218	ASB5	snap fix	pushwire	31mm c/s also 31c/s & 22.3Øhole
219	ASB6	screw fix	pushwire	31mm c/s also centre hole
220	ASB7	snap fix	pushwire	31mm c/s also 31c/s & 22.3Øhole
221	ASB8	reverse fix	pushwire	31mm c/s also 22.3Øhole
222	ASB15	snap fix	pushwire	19mm c/s horizontal & vertical
223	ASB19	floating	pre-wired	300mm tails
224	ASB21	snap fix	pushwire	19.5mm c/s horizontal & vertical
as220	ASB24	peg fix	screw	31mm c/s

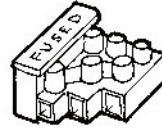
Fuse Terminal Blocks



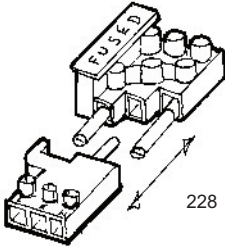
225



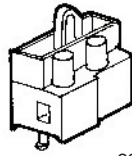
226
earthing with earth tag



227
earthing with fixing screw



228



229

No.	Catalogue Number	Fixing	Terminals		Detail
			Input	Output	
225	AFTB2	screw	screw	screw	45mm c/s . 20mm 6A
226	AFTB4	peg fix	screw	pushwire	26mm c/s & earth . 13A
227	AFTB5	screw fix	screw	pushwire	16mm screw fix . 13A
-	AFTB578	clip in	screw	pushwire	single 13A link . attachment clips into AFTB4/5
227	AFTB7	screw fix	screw	screw	16mm screw fix . 13A
228	AFTB8	screw body	screw	screw	16mm c/s . 13A
228	AFTB8/PW/SC	screw body	screw	pushwire	16mm c/s . 13A
229	AFTB9	peg fix	screw	pushwire	30mm c/s . 13A
226	AFTB132	peg fix	screw	pushwire	26mm c/s . + earth tag 10A max

Fuse terminal blocks include the fuse carrier but no fuse.

BASIC CONDITIONS OF SALE

1. The prices shown are 'per each' and subject to your agreed discounts.
2. Items showing an asterisk '*' in the price column have a discount restriction. Standard or preferential discounts may not apply - please refer to our sales office.
3. All orders will be despatched by 24 hour delivery service to mainland UK destinations. i.e. 1st class post or next day carrier service at our discretion
4. Special delivery service i.e. before 10.30am will be charged extra. Confirmation of the cost will be given at the time of order placing.
5. Highlands of Scotland, off shore U.K. and Northern Ireland may have special charges for delivery.
6. All times and dates for delivery of the goods are given in good faith but are approximate only and shall not be of the essence of the contract.
9. Claims for late delivery where a surcharge premium has been paid will only be accepted providing the carrier's notes have been correctly filled in and legible. i.e. date and time.
10. Touchstone Lighting Components Ltd shall not be liable for any consequential or indirect loss howsoever arising and of whatsoever nature suffered by the purchaser.
11. Shortages, damages and discrepancies must be reported within 48 hours of receipt of goods. Faxed written confirmation is requested.
12. Return of goods will only be accepted providing a returns number has been obtained and all correspondence must quote the returns number.
 - a) handling charges may be applicable
 - b) items ordered incorrectly, stock cleansing and items not faulty must be returned at the customers expense.
 - c) for items returned requiring credit - the condition of the items is paramount
 - d) debit notes for goods return will only be accepted providing the 'returns authorisation' has been issued.
 - e) no returned products will be accepted by our goods inward department without a 'returns authorisation number'. Any items received without the number will be automatically returned to the customer and the cost of return will be charged to the customer.
13. Any price or discount errors must be notified within 7 days of invoice date.
14. All goods remain the property of Touchstone Lighting Components Ltd until paid for in full.
15. All sales are subject to V.A.T. at the rate ruling on the date of despatch.
16. Payment terms are strictly nett 30 days after invoice date unless otherwise agreed. We reserve the right to withhold supplies if payments are overdue.
17. We reserve the right to adjust, amend or modify any detail shown in this catalogue without notification.
18. E. & O.E.
19. Copies of the full Conditions of Sale are available on request.

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