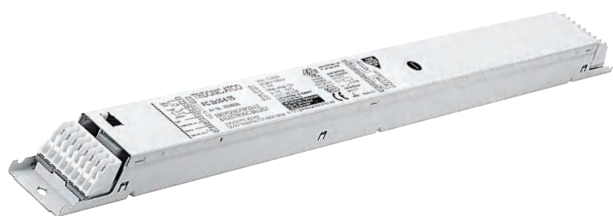


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Product Reference	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM	Duration Hours	
				L	W	H	F.C.			
PC T5 COMBO - Combined Electronic Ballast and Emergency Module - NEW AUTUMN 2008										
PC 1x14-3 T5 COMBO	89899875	1x14	TL5	3 Cell	425	30	21	415	M	3/1
PC 1x21/28-5 T5 COMBO	89899881	1x21/28	TL5	5 Cell	425	30	21	415	M	3/1
PC 1x24-4 T5 COMBO	89899879	1x24	TL5	5 Cell	425	30	21	415	M	3/1
PC 1x35-6 T5 COMBO	89899885	1x35	TL5	6 Cell	425	30	21	415	M	3/1
PC 1x39-5 T5 COMBO	89899883	1x39	TL5	5 Cell	425	30	21	415	M	3/1
PC 1x49-5 T5 COMBO	89899887	1x49	TL5	5 Cell	425	30	21	415	M	3/1
PC 1x54-6 T5 COMBO	89899889	1x54	TL5	6 Cell	425	30	21	415	M	3/1
PC 1x80-6 T5 COMBO	89899891	1x80	TL5	6 Cell	425	30	21	415	M	3/1
PC 2x14-3 T5 COMBO	89899876	2x14	TL5	3 Cell	425	30	21	415	M	3/1
PC 2x21/28-5 T5 COMBO	89899882	2x21/28	TL5	5 Cell	425	30	21	415	M	3/1
PC 2x24-4 T5 COMBO	89899880	2x24	TL5	4 Cell	425	30	21	415	M	3/1
PC 2x35-6 T5 COMBO	89899886	2x35	TL5	6 Cell	425	30	21	415	M	3/1
PC 2x39-6 T5 COMBO	89899886	2x39	TL5	6 Cell	425	30	21	415	M	3/1
PC 2x49-5 T5 COMBO	89899888	2x49	TL5	5 Cell	425	30	21	415	M	3/1
PC 2x54-6 T5 COMBO	89899890	2x54	TL5	6 Cell	425	30	21	415	M	3/1
PC 3/4-14/33 COMBO	89800002	3/4x14	TL5	3 Cell	424	42	28	415	M	3/1
PC 3/4x24-4 T5 COMBO	89899878	3/4x24	TL5	4 Cell	425	30	21	415	M	3/1
PC COMBO - Combined Electronic Ballast and Emergency Module										
PC 1x36-33 COMBO	89805250	1x36	T8	3 Cell	424	42	28	415	M	3
PC 1x58-34 COMBO	89805270	1x58	T8	4 Cell	424	42	28	415	M	3
PC 2x36-33 COMBO	89805268	2x36	T8	3 Cell	424	42	28	415	M	3
PC 2x58-34 COMBO	89805272	2x58	T8	4 Cell	424	42	28	415	M	3
PC 3/4-18/33 COMBO	89818236	3/4x18	T8	3 Cell	424	42	28	415	M	3
PC TC-L COMBO - Combined Electronic Ballast and Emergency Module - NEW AUTUMN 2008										
PC 1x36-33 TC-L COMBO	89899920	1x36	TC-L	3 Cell	424	42	28	415	M	3
PC 1x40-34 TC-L COMBO	89899922	1x40	TC-L	4 Cell	424	42	28	415	M	3
PC 1x55-35 TC-L COMBO	89899924	1x55	TC-L	5 Cell	424	42	28	415	M	3
PC 2x36-33 TC-L COMBO	89899921	2x36	TC-L	3 Cell	424	42	28	415	M	3
PC 2x40-34 TC-L COMBO	89899923	2x40	TC-L	4 Cell	424	42	28	415	M	3
PC 2x55-35 TC-L COMBO	89899925	2x55	TC-L	5 Cell	424	42	28	415	M	3
PC CFL COMBO - Combined Electronic Ballast and Emergency Module										
PC 1x16-33 DD COMBO	89899816	1x16	TC-DD	3 Cell	123	79	31	66.5	M	3
PC*1x28-33 DD COMBO	89899798	1x28	TC-DD Non Amalgam	3 Cell	123	79	31	66.5	M	3
PC*1x28-33 HO DD COMBO	89899799	1x28	TC-DD Non Amalgam	3 Cell	123	79	31	66.5	M	3
PC 1x28-34 DD COMBO	89899633	1x28	TC-DD	4 Cell	123	79	31	66.5	M	3
PC 1x28-34 HO DD COMBO	89899654	1x28	TC-DD	4 Cell	123	79	31	66.5	M	3
PC*1x38-34 DD COMBO	89899655	1x38	TC-DD Non Amalgam	4 Cell	123	79	31	66.5	M	3
PC 1x38-35 DD COMBO	89899769	1x38	TC-DD	5 Cell	123	79	31	66.5	M	3
PC 1x10/13-33 TC COMBO	89899648	1x10/13	TC-DEL	3 Cell	123	79	31	66.5	M	3/1
PC 1x18-34 TC COMBO	89899650	1x18	TC-DEL/TEL	4 Cell	123	79	31	66.5	M	3/1
PC 1x26/32-35 TC COMBO	89899641	1x26/32	TC-DEL/TEL	5 Cell	123	79	31	66.5	M	3/1
PC 1x26/32/42-36 TC COMBO	89899645	1x26/32/42	TC-DEL/TEL	6 Cell	123	79	31	66.5	M	3/1
PC 1x57-36 TC COMBO	89899653	1x57	TC-TEL	6 Cell	123	102	31	89.5	M	3/1
PC 2x10/13-33 TC COMBO	89899649	2x10/13	TC-DEL	3 Cell	123	102	31	89.5	M	3/1
PC 2x18-34 TC COMBO	89899651	2x18	TC-DEL/TEL	4 Cell	123	102	31	89.5	M	3/1
PC 2x26-35 TC COMBO	89899642	2x26	TC-DEL/TEL	5 Cell	123	102	31	89.5	M	3/1
PC 2x32-35 TC COMBO	89899652	2x32	TC-TEL	5 Cell	123	102	31	89.5	M	3/1
PC 2x32/42-36 TC COMBO	89899746	2x32/42	TC-TEL	6 Cell	123	102	31	89.5	M	3/1
T8,TCL COMBO & COMBO CONNECT - use Ni-Cd Batteries. T5,TCL COMBO - use either Ni-Cd or Ni-Mh Batteries										

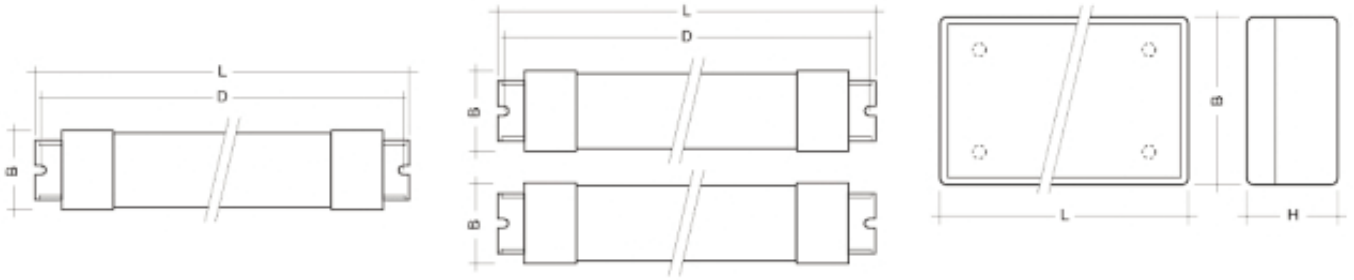


Product Reference		Lamp Watts	Lamp Type	Battery Cells	L	W	H	Size in mm F.C.	M NM	Duration Hours
PC CFL COMBO-CONNECT - Combined Module with Plug In Interface Unit for SelfTest or Dali										
PC 1x18-4 TC	89899770	1x18	TC-DEL/TEL	4 Cell	123	102	31	89.5		3/1
PC 1x26/32/42-6 TC	89899773	1x26/32/42	TC-DEL/TEL	6 Cell	123	102	31	89.5		3/1
PC 2x18-4 TC	89899783	2x18	TC-DEL/TEL	4 Cell	123	102	31	89.5		3/1
PC 2x26-5 TC	89899786	2x26	TC-DEL/TEL	5 Cell	123	102	31	89.5		3/1
PC 2x32/42-6 TC	89899789	2x32/42	TC-TEL	6 Cell	123	102	31	89.5		3/1
PC 1x28-4 DD	89899776	1x28	TC-DD	4 Cell	123	102	31	89.5		3/1
PC 1x28-4 HO DD	89899777	1x28	TC-DD	4 Cell	123	102	31	89.5		3/1
PC 1x38-5 DD	89899779	1x38	TC-DD	5 Cell	123	102	31	89.5		3/1
PC CFL COMBO-CONNECT - Accessories										
EM CONNECT 3ST	89899792	Plug in Interface for 3 Hour		Selftest CONNECT modules						
EM CONNECT 1ST	89899795	Plug in Interface for 1 Hour		Selftest CONNECT modules						
EM CONNECT 3PRO	89899794	Plug in Interface for 3 Hour		DALI CONNECT modules						
EM CONNECT 1PRO	89899797	Plug in Interface for 1 Hour		DALI CONNECT modules						
EM PRO ADDRESS	89899836			Addressing tool						
EM BASIC 230-240v 50/60Hz - 5 Pole Emergency Module - for use with Ni-Cd Batteries										
EM 33A Basic	89818556	10-18	See Selection Chart 1 on Page 7	3 Cell	209	39	28	200	M	3
EM 33B Basic	89818655	18-36	See Selection Chart 1 on Page 7	3 Cell	209	39	28	200	M	3
EM 33C Basic	89800000	5-13	See Selection Chart 1 on Page 7	3 Cell	209	39	28	200	M	3
EM 34A Basic	89818557	10-28	See Selection Chart 1 on Page 7	4 Cell	209	39	28	200	M	3
EM 34B Basic	89818662	18-58	See Selection Chart 1 on Page 7	4 Cell	209	39	28	200	M	3/1
EM 35A Basic	89818581	10-38	See Selection Chart 1 on Page 7	5 Cell	209	39	28	200	M	3/1
EM 35B Basic	89818667	18-70	See Selection Chart 1 on Page 7	5 Cell	209	39	28	200	M	3/1
EM 35C Basic	89800001	18-26	See Selection Chart 1 on Page 7	5 Cell	209	39	28	200	M	3/1
EM 35D Basic	89818621	32-42	See Selection Chart 1 on Page 7	5 Cell	209	39	28	200	M	3/1
EM 36A Basic	89818654	4-55	See Selection Chart 1 on Page 7	6 Cell	209	39	28	200	M	3/1
EM MINI 220-240v 50/60Hz - 5 Pole Emergency Module - for use with Ni-Cd Batteries										
EM 33A MiniBasic	89899951	28	See Selection Chart 2 on Page 7	3 Cell	150	40	40	139	M	3
EM 34A MiniBasic	89899950	18-36	See Selection Chart 2 on Page 7	4 Cell	150	40	40	139	M	3
EM 34C MiniBasic	89899952	18-36	See Selection Chart 2 on Page 7	4 Cell	150	40	40	139	M	3
EM BASIC TL5 220-240v 50/60Hz - Emergency Module - 3 hour for use with Ni-Cd or Ni-Mh Batteries										
EM 14/24-4 T5 Basic	89899822	14/24	See Selection Chart 3 on Page 7	4 Cell	280	30	21	270	M	3/1
EM 21/28/49-5 T5 Basic	89899823	21/28/49	See Selection Chart 3 on Page 7	5 Cell	280	30	21	270	M	3/1
EM 39-5 T5 Basic	89899824	39	See Selection Chart 3 on Page 7	5 Cell	280	30	21	270	M	3/1
EM 35-6 T5 Basic	89899825	35	See Selection Chart 3 on Page 7	6 Cell	280	30	21	270	M	3/1
EM 54/80-6 T5 Basic	89899826	54/80	See Selection Chart 3 on Page 7	6 Cell	280	30	21	270	M	3/1
Operates 3 hour or 1 hour operation by removing jumper link. Ni-Mh Batteries for 1 hour operation only										
EM BASIC Ip 220-240v 50/60Hz - Emergency Module - for use with Ni-Cd or Ni-Mh Batteries										
EM 34 D Basic LP	89899761	4-36	See Selection Chart 4 on Page 8	4 Cell	280	30	21	270	M	3
EM 35 D Basic LP	89899762	24-58	See Selection Chart 4 on Page 8	5 Cell	280	30	21	270	M	3
EM 36 D Basic LP	89899763	28-80	See Selection Chart 4 on Page 8	6 Cell	280	30	21	270	M	3
EM BASIC Ip 220-240v 50/60Hz - Emergency Module - for use with Ni-Cd or Ni-Mh Batteries										
EM 14 C Basic LP	89899764	4-36	See Selection Chart 4 on Page 8	4 Cell	280	30	21	270	M	1
EM 15 C Basic LP	89899765	24-58	See Selection Chart 4 on Page 8	5 Cell	280	30	21	270	M	1
EM 16 C Basic LP	89899766	28-57	See Selection Chart 4 on Page 8	6 Cell	280	30	21	270	M	1



Product Reference	Lamp Watts	Lamp Type	Battery Cells	Size in mm L W H F.C.	M NM	Duration Hours
EM SELFTEST - 3 Hour Duration - Emergency Module - for use with NiCd or NiMh Batteries						
EM 34 NiCd D ST	89899680	4-36	See Selection	4 Cell	280 30 21 270	M 3
EM 35 NiCd D ST	89899681	21-58	Chart 5 on	5 Cell	280 30 21 270	M 3
EM 36 NiCd D ST	89899682	38-80	Page 8	6 Cell	280 30 21 270	M 3
EM SELFTEST - 1 Hour Duration Only - for use with NiCd or NiMh Batteries						
EM 14 NiCd C ST	89899683	4-36	See Selection	4 Cell	280 30 21 270	M 1
EM 15 NiCd C ST	89899684	21-58	Chart 5 on	5 Cell	280 30 21 270	M 1
EM 16 NiCd C ST	89899685	38-80	Page 8	6 Cell	280 30 21 270	M 1
EM PRO EZ - with DALI Interface - 3 Hour Duration - for use with NiCd or NiMh Batteries						
EM 34 NiCd D PRO EZ	89899827	4-36	See Selection	4 Cell	280 30 21 270	M 3
EM 35 NiCd D PRO EZ	89899828	21-58	Chart 6 on	5 Cell	280 30 21 270	M 3
EM 36 NiCd D PRO EZ	89899829	38-80	Page 9	6 Cell	280 30 21 270	M 3
EM PRO EZ - with DALI Interface - 1 Hour Duration - for use with NiCd or NiMh Batteries						
EM 14 NiCd C PRO EZ	89899830	4-36	See Selection	4 Cell	280 30 21 270	M 1
EM 15 NiCd C PRO EZ	89899831	21.58	Chart 6 on	5 Cell	280 30 21 270	M 1
EM 16 NiCd C PRO EZ	89899832	38-80	Page 9	6 Cell	280 30 21 270	M 1
EM powerLED 220-240v 50/60HZ, Screw Fastening Emergency Module - Clip Fix is also available						
EM powerLED 1W BASIC	89899858	1.2	1 x LED	2 Cell	142 30 30 133	1
EM powerLED 1W BASIC	89899858	1.2	1 x LED	3 Cell	142 30 30 133	2/3
EM powerLED 1W ST	89899860	1.2	1 x LED	2 Cell	142 30 30 133	1
EM powerLED 1W ST	89899860	1.2	1 x LED	3 Cell	142 30 30 133	2/3
EM powerLED 1W PRO	89899862	1.2	1 x LED	2 Cell	142 30 30 133	1
EM powerLED 1W PRO	89899862	1.2	1 x LED	3 Cell	142 30 30 133	2/3
EM powerLED 2W BASIC	89899859	2.4	1 x LED	3 Cell	142 30 30 133	1
EM powerLED 2W BASIC	89899859	2.4	1 x LED	4 Cell	142 30 30 133	2
EM powerLED 2W BASIC	89899859	2.4	1 x LED	5 Cell	142 30 30 133	3
EM powerLED 2W BASIC	89899859	2.4	2 x LED	3 Cell	142 30 30 133	1
EM powerLED 2W BASIC	89899859	2.4	2 x LED	4 Cell	142 30 30 133	2
EM powerLED 2W BASIC	89899859	2.4	2 x LED	5 Cell	142 30 30 133	3
EM powerLED 2W ST	89899861	2.4	1 x LED	3 Cell	142 30 30 133	1
EM powerLED 2W ST	89899861	2.4	1 x LED	4 Cell	142 30 30 133	2
EM powerLED 2W ST	89899861	2.4	1 x LED	5 Cell	142 30 30 133	3
EM powerLED 2W ST	89899861	2.4	2 x LED	3 Cell	142 30 30 133	1
EM powerLED 2W ST	89899861	2.4	2 x LED	4 Cell	142 30 30 133	2
EM powerLED 2W ST	89899861	2.4	2 x LED	5 Cell	142 30 30 133	3
EM powerLED 2W PRO	89899863	2.4	1 x LED	3 Cell	142 30 30 133	1
EM powerLED 2W PRO	89899863	2.4	1 x LED	4 Cell	142 30 30 133	2
EM powerLED 2W PRO	89899863	2.4	1 x LED	5 Cell	142 30 30 133	3
EM powerLED 2W PRO	89899863	2.4	2 x LED	3 Cell	142 30 30 133	1
EM powerLED 2W PRO	89899863	2.4	2 x LED	4 Cell	142 30 30 133	2
EM powerLED 2W PRO	89899863	2.4	2 x LED	5 Cell	142 30 30 133	3
Suitable for High Output 350 mA Constant Current						

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Product Reference	Volts	Type	Battery Cells	Size in mm				M	Duration Hours
				L	W	H	F.C.		
NiCd 4.0Ah D Cells Rechargeable Batteries									
Accu-NiCd 3A	89895960	3.6v	STICK	3 Cell	218	37	201		
Accu-NiCd 4A	89895961	4.8v	STICK	4 Cell	275	37	263		
Accu-NiCd 5A	89895973	6.0v	STICK	5 Cell	338	37	323		
Accu-NiCd 4C	89895978	4.8v	(2+2) STICK	4 Cell	151	37	139		
Accu-NiCd 5B	89895962	6.0v	(2+3)STICK	5 Cell	151+218	37	139+201		
Accu-NiCd 6A	89895963	7.2v	(3+3)STICK	6 Cell	218	37	201		
Accu-NiCd 3B	89895976	3.6v	SIDE BY SIDE	3 Cell	98	65	35	40x33	
Accu-NiCd 4B	89895977	4.8v	SIDE BY SIDE	4 Cell	130	65	35	40x66	
NiCd 1.5Ah C Cells Rechargeable Batteries									
Accu-NiCd C 3A	89899743	3.6v	STICK	3 Cell	162	26	147		
Accu-NiCd C 4A	89899692	4.8v	STICK	4 Cell	205	26	190		
Accu-NiCd C 5A	89899695	6.0v	STICK	5 Cell	247	26	232		
Accu-NiCd C 6A	89899698	7.2v	STICK	6 Cell	290	26	275		
Accu-NiCd C 4C	89899694	4.8v	(2+2) STICK	4 Cell	119	26	104		
Accu-NiCd C 5C	89899697	6.0v	(2+3) STICK	5 Cell	162+119	26	147+104		
Accu-NiCd C 6C	89899699	7.2v	(3+3) STICK	6 Cell	162	26	147		
Accu-NiCd C 3B	89899729	3.6v	SIDE BY SIDE	3 Cell	147	54	25	40x96	
Accu-NiCd C 4B	89899693	4.8v	SIDE BY SIDE	4 Cell	147	54	25	40x96	
Accu-NiCd C 5B	89899696	6.0v	SIDE BY SIDE	5 Cell	147	54	25	40x96	
NiMh 2.0Ah C Cells Rechargeable Batteries									
Accu-NiMh C 2A	89899755	2.4v	STICK	2 Cell	119	26	104		
Accu-NiMh C 3A	89899744	3.6v	STICK	3 Cell	162	26	147		
Accu-NiMh C 4A	89899700	4.8v	STICK	4 Cell	205	26	190		
Accu-NiMh C 5A	89899703	6.0v	STICK	5 Cell	247	26	232		
Accu-NiMh C 6A	89899706	7.2v	STICK	6 Cell	290	26	275		
Accu-NiMh C 4C	89899702	4.8v	2+2 STICK	4 Cell	119	52	104		
Accu-NiMh C 6C	89899707	7.2v	3+3 STICK	6 Cell	162	52	147		
Accu-NiMh C 4B	89899701	4.8v	STICK	4 Cell	147	25	200		
Accu-NiMh C 5C	89899704	6.0v	STICK	5 Cell	147	25	200		
NiMh 4.0Ah C Cells Rechargeable Batteries									
Accu-NiMh C 4A	89899850	4.8v	STICK	4 Cell	276	25	260		
Accu-NiMh C 5A	89899851	6.0v	STICK	5 Cell	336	25	320		
Accu-NiMh C 6A	89899852	7.2v	STICK	6 Cell	396	25	380		
Accu-NiMh C 6C	89899853	7.2v	(3+3) STICK	6 Cell	215	25	200		
Status Indication via LED indicates the charging current is flowing into the battery									
LED EM GREEN	89899605		For Manual Testing (BASIC)						
LED EM GREEN High Brightness	89899756		For Manual Testing (BASIC)						
LED EM BI-COLOUR	89899720		For SelfTest or PRO						
LED EM BI-COLOUR High Brightness	89899753		For SelfTest or PRO						

Emergency light output factors (BLF) in %

CHART 1

Aceu Type	3 h									
	3 cells			4 cells		5 cells			6 cells	
	EM 33A BASIC	EM 33B BASIC	EM 33C BASIC	EM 34A BASIC	EM 34B BASIC	EM 35A BASIC	EM 35B BASIC	EM 35C BASIC	EM 35D BASIC	EM 36A BASIC
TC-DD	10	27		30		39				46
	16	24		24		31				37
	21			20		25				30
	28			19		21				25
	38					15				18
	55									
TC-SEL	5		20							
	7		14							
	9		11							
	11		16							
TC-DEL	10		13							
	13		16							
	18							12		
	28							15		
TC-TEL	13		10					16		
	18							12		
	26							15		
	32								7	
	42								5	
TC-L	18	18		18		19				22
	24			17		20				24
	34				9 ⊕	19				22
	36				9 ⊕	20				24
	40				8 ⊕		10 ⊕			6 ⊕
	55				5 ⊕		6 ⊕			6 ⊕
	T5	4	25		30		37			
6		26		32		40				48
8		27		32		40				48
13		25		30		37				44
14		16		21		32				
21				21 ⊕		21 ⊕				
24						19				
28								14 ⊕ ⊕		
T8	18	10			12	18	13			
	30	9			13	18	14			
	36	8			10	16	10			
	58				7		7			
	70						7			

- ⊕ 2 hours only
- ⊗ used only in a permanent circuit because mercury migration may occur during emergency operation
- ⊙ lamp restrictions apply consult data sheet

CHART 2

Emergency light output factors (BLF) in %

Duration	Battery	3 hours		
		3 cells	4 cells	4 cells
Module		EM 33A MINI BASIC	EM 34A MINI BASIC	EM 34C MINI BASIC
Lamp	TC-DD 28 W	9		
	38 W			6.5
TC-F 36 W			11.5	
TC-DEL 18 W			16.5	
	26 W		13	
TC-TEL 18 W			16.5	
	26 W		13	
T5c 22 W			16	

CHART 3

Emergency light output factors (BLF) in %

Type		3 h or 1 h				
		EM 14/24-4 T5 BASIC	EM 21/28/49-5 T5 BASIC	EM 39-5 T5 BASIC	EM 35-6 T5 BASIC	EM 54/80-6 T5 BASIC
T5 FH	14	21				
	21		12			
	28		12			
	35				13	
T5 FQ	24	14				
	39			7		
	49		7			
	54				6.5	
	80					4.5

CHART 4

Emergency light output factors (BLF) in %

Type	3 h			1 h		
	EM 34 BASIC lp	EM 35 BASIC lp	EM 36 BASIC lp	EM 14 BASIC lp	EM 15 BASIC lp	EM 16 BASIC lp
TC-DD	10	37	37	37		
	16	25		25		
	21	19		19		
	28	14		14		
	38		10		10	
	55		4		4	
TC-SEL	5	40	40	40		
	7	39		39		
	9	39		39		
	11	34		34		
TC-DEL	10	31	31	31		
	13	26		26		
	18	21		21		
	26	14		14		
TC-TBL	18	21	21	21		
	26	14		14		
	32		11		11	
	42		7		7	
	57		5		5	
TC-F	18	18	18	18		
	24		12		12	
	36		11		11	
TC-L	18	18	18	18		
	24		12		12	
	36		11		11	
	40		5		5	
	55		6		6	
T5 FH	14	24	24	24		
	21		16		16	
	28		14		14	
	35		12		12	
T5 FQ	24	13	13	13		
	39		8		8	
	49		6		6	
	54		6		6	
	80		5		5	
T5c	22	14	14	14		
	40		7		7	
	55		7		7	
T5	4	38	38	38		
	6	43		43		
	8	40		40		
	13	27		27		
T8	15	20	20	20		
	18	16		16		
	30	12		12		
	36	10		10		
	38		10		10	
	58		8		8	
	70		6		6	

CHART 5

Emergency light output factors (BLF) in %

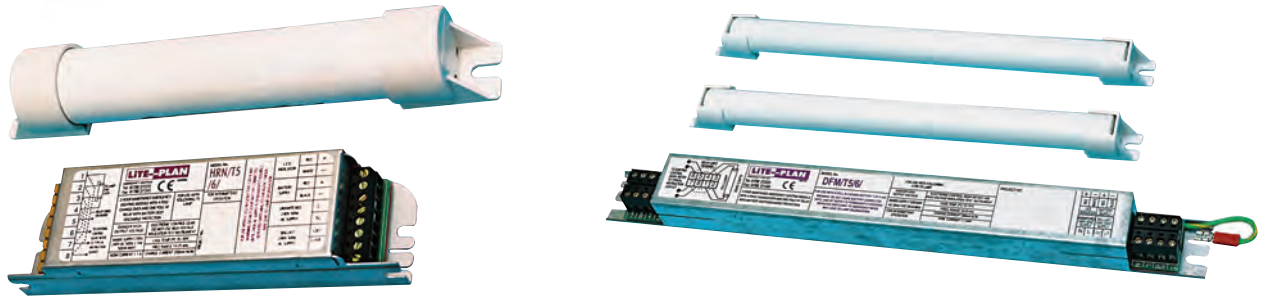
Type	3 h and 1 h standard BLF				1 h „high output“			
	EM 34 ST	EM 35 ST	EM 36 ST	EM 16 ST	EM 14 HO ST	EM 15 HO ST	EM 16 HO ST	EM 16 HO ST
TC-DD	10	37						
	16	25						
	21	19						
	28	14						
	38		10					
	55		4					
TC-SEL	5	40			53			
	7	39			53			
	9	39			53			
	11	34			53			
TC-DEL	10	31			51			
	13	26			47			
	18	21			34			
	26	14			27			
TC-TBL	18	21			36			
	26	14			25			
	32		11			28		
	42		7			24		
	57		5			19		19
TC-F	18	18			32			
	24		12			33		
	36		11			28		
TC-L	18	18			32			
	24		12			33		
	36		11			26		
	40		5			24		
	55		6			21		
T5 FH	14	24			47			
	21		16			44		
	28		14					
	35		12					
T5 FQ	24	13			30			
	39		8			31		
	49		6			22		
	54		6			23		
	80		5			15		
T5c	22	14			30			
	40		7			27		
	55		7			23		
T5	4	38			70			
	6	43			73			
	8	40			68			
	13	27			52			
T8	15	20			36			
	18	16			33			
	30	12			27			
	36	10			23			
	38		10			18		
	58		8					
	70		6					

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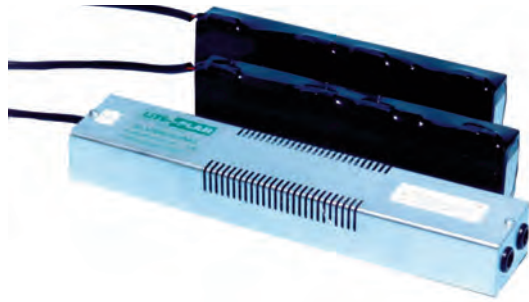
CHART 6

Emergency light output factors (BLF) in %

Type		3 h and 1 h standard BLF			1 h „high output“		
		EM 34 PRO EZ	EM 35 PRO EZ	EM 36 PRO EZ	EM 14	EM 15	EM 16
		EM 14 PRO EZ	EM 15 PRO EZ	EM 16 PRO EZ	HO PRO EZ	HO PRO EZ	HO PRO EZ
TC-DD	10	37					
	16	25					
	21	19					
	28	14					
	38			10			
	55			4			
TC-SEL	5	40			53		
	7	39			53		
	9	39			53		
	11	34			53		
TC-DEL	10	31			51		
	13	26			47		
	18	21			34		
	26	14			27		
TC-TEL	18	21			36		
	26	14			25		
	32		11			28	
	42			7		24	
	57			5	19		19
TC-F	18	18			32		
	24		12			33	
	36		11			26	
TC-L	18	18			32		
	24		12			33	
	36		11			26	
	40		5			24	
	55			6			21
T5 FH	14	24			47		
	21		16			44	
	28			14			42
	35			12			36
T5 FQ	24	13			30		
	39			8			31
	49			6			22
	54			6			23
	80			5			15
T5c	22	14			30		
	40			7			27
	55			7			23
T5	4	38			70		
	6	43			73		
	8	40			68		
	13	27			52		
	15	20			36		
T8	18	16			33		
	30	12			27		
	36	10			23		
	38		10				
	58		8			18	
	70			6			



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
CONVERSION KITS for T5, T8, T12 and Compact with Nickel Cadmium (NiCd) Cells									
HRN 3	Module & Battery	4-36	See Selection Chart 1 on Page 12	3 Cell	165	45	29	155	M/NM
HRN 4	Module & Battery	4-58		4 Cell	165	45	29	155	M/NM
HRN 5	Module & Battery	4-70		5 Cell	165	45	29	155	M/NM
HRN 6	Module & Battery	4-125		6 Cell	165	45	29	155	M/NM
CONVERSION KITS for TL5 with Nickel Cadmium (NiCd) Cells									
HRN/T5/4/14+24	Module & Battery	14/24	TL5	4 Cell	165	45	29	155	M
HRN/T5/4/21	Module & Battery	21	TL5	4 Cell	165	45	29	155	M
HRN/T5/6/28+54	Module & Battery	28/54	TL5	6 Cell	165	45	29	155	M
HRN/T5/6/35+49	Module & Battery	35/49	TL5	6 Cell	165	45	29	155	M
HRN/T5/6/39	Module & Battery	39	TL5	6 Cell	165	45	29	155	M
HRN/T5/6/80	Module & Battery	80	TL5	6 Cell	165	45	29	155	M
HRN/T5/6/22C	Module & Battery	22	TL5-C	6 Cell	165	45	29	155	M
HRN/T5/6/40C	Module & Battery	40	TL5-C	6 Cell	165	45	29	155	M
HRN/T5/6/55C	Module & Battery	55	TL5-C	6 Cell	165	45	29	155	M
CONVERSION KITS for TL5 with Nickel Metal Hydride (NiMh) Slim Line Cells									
DFM/T5/4/14+24	Module & Battery	14/24	TL5	4 Cell	300	29.5	24.5	285	M
DFM/T5/4/21	Module & Battery	21	TL5	4 Cell	300	29.5	24.5	285	M
DFM/T5/6/28+54	Module & Battery	28/54	TL5	6 Cell	300	29.5	24.5	285	M
DFM/T5/6/35+49	Module & Battery	35/49	TL5	6 Cell	300	29.5	24.5	285	M
DFM/T5/6/39	Module & Battery	39	TL5	6 Cell	300	29.5	24.5	285	M
DFM/T5/8/80	Module & Battery	80	TL5	8 Cell	300	29.5	24.5	285	M
CONVERSION KITS for Amalgam and Free of Mercury Lamps with Nickel Cadmium (NiCd) Cells									
PRA/6/32	Module & Battery	32	TC-T/E	6 Cell	165	45	29	155	
PRA/6/42	Module & Battery	42	TC-T/E	6 Cell	165	45	29	155	
PRA/6/55/2D	Module & Battery	55	TC-DD	6 Cell	165	45	29	155	
PRA/6/80	Module & Battery	80	TC-L	6 Cell	165	45	29	155	
SELF CONTAINED SELF TEST KITS for T5, T8 and Compact Lamps with Nickel Cadmium (NiCd) Cells									
VIG/3/8	Module & Battery	4-8	See Selection Chart 1 on Page 12	3 Cell	230	43	29	220	
VIG/4/28	Module & Battery	9-28		4 Cell	230	43	29	220	
VIG/4/58	Module & Battery	30-58		4 Cell	230	43	29	220	
VIG/6/70	Module & Battery	70		6 Cell	230	43	29	220	
SELF CONTAINED SELF TEST KITS for TL5 Lamps with Nickel Cadmium (NiCd) Cells									
VIG5/4/14	Module & Battery	14	TL5	4 Cell	230	43	29	220	
VIG5/4/24	Module & Battery	24	TL5	4 Cell	230	43	29	220	
VIG5/6/21	Module & Battery	21	TL5	6 Cell	230	43	29	220	
VIG5/6/28	Module & Battery	28	TL5	6 Cell	230	43	29	220	
VIG5/6/35	Module & Battery	35	TL5	6 Cell	230	43	29	220	
VIG5/6/39	Module & Battery	39	TL5	6 Cell	230	43	29	220	
VIG5/6/49	Module & Battery	49	TL5	6 Cell	230	43	29	220	
VIG5/6/54	Module & Battery	54	TL5	6 Cell	230	43	29	220	



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
REMOTE GEAR BOX for T5, T8, T12, Compact and TL5									
HRN 3 R	Remote Gear Box	4-36	See Chart	3 Cell	340	90	40		M
HRN 4 R	Remote Gear Box	4-58	See Chart	4 Cell	340	90	40		M
HRN 5 R	Remote Gear Box	4-70	See Chart	5 Cell	395	90	40		M
HRN 6 R	Remote Gear Box	4-125	See Chart	6 Cell	375	151	50	395 tags	M
PRA/6/42/R	Remote Gear Box	32/42	TC-T/E	6 Cell	375	151	50	395 tags	
PRA/6/80/R	Remote Gear Box	80	TC-L	6 Cell	375	151	50	395 tags	
HRN/T5/4/14R	Remote Gear Box	14	TL5	4 Cell	340	90	40		M
HRN/T5/4/21R	Remote Gear Box	21	TL5	4 Cell	340	90	40		M
HRN/T5/4/24R	Remote Gear Box	24	TL5	4 Cell	340	90	40		M
HRN/T5/6/28R	Remote Gear Box	28	TL5	6 Cell	375	151	50		M
HRN/T5/6/35R	Remote Gear Box	35	TL5	6 Cell	375	151	50		M
HRN/T5/6/22C/R	Remote Gear Box	22	TL5-C	6 Cell	375	151	50		M
HRN/T5/6/40C/R	Remote Gear Box	40	TL5-C	6 Cell	375	151	50		M
HRN/T5/6/55C/R	Remote Gear Box	55	TL5-C	6 Cell					M
LOW VOLTAGE 3 Hour CONVERSION PACK									
ELV/6B/50/NM3	Low Voltage RGB				320	47	37	82mm aperture	NM
ELV/6B/50/M3	Low Voltage RGB				360	68	45	72mm aperture	M
ELV/6A/50/M3	Low Voltage RGB				275	220	60		M
SI240/COR	240v Static Inverter		Change Over Relay						

Chart No. 1

BALLAST LUMEN FACTORS %

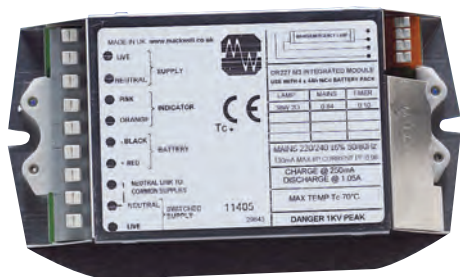
LAMP		HRN.3	HRN.4	HRN.5	HRN.6
WATT.	TYPE	(3.6v)	(4.8v)	(6.0v)	(7.2v)
4	T5	28	33	39	46
5	TC-EL	25	29	35	42
6	T5	22	25	30	36
7	TC-EL	20	24	28	34
8	T5	18	21	25	30
9	TC-EL	19	22	26	31
10	TC-DEL	15	18	21	25
10	TC-DD	17	19	23	28
11	TC-EL	18	21	26	31
13	T5	16	18	22	26
13	TC-DEL	16	18	22	26
15	T8	14	16	19	23
16	T8	13	15	18	21
16	TC-DD	13	15	18	21
18	TC-L	12	14	16	20
18	TC-F	12	14	16	20
18	TC-DEL	12	14	17	20
18	TC-TEL	13	15	18	21
18	T8	12	14	17	20
20	T12	12	14	17	20
21	TC-DD	12	14	16	20
22	T-R	11	13	16	19
24	TC-L	11	12	15	18
24	TC-F	11	12	15	18
26	TC-DEL	10	12	14	17
26	TC-TEL	9	11	13	16
28	TC-DD	10	11	13	16
30	T8	9	11	13	15
32	T-R	9	10	12	14
32	TC-TEL	9	10	12	14
34	TC-L	8	9	11	13
36	TC-L	8	9	11	13
36	T8	8	9	11	13
36	TC-F		9	11	13
38	T8		9	11	13
38	TC-DD		8	10	12
40	T12		8	10	12
40	T-R		8	10	12
40	TC-L		9	11	13
42	TC-TEL				11
55	TC-L		7	8	10
58	T8		7	8	9
65	T12			7	9
70	T8			7	8
75	T12				8
80	T12				7
85	T12				7

N.B. For Amalgam and T5 Lamps – specially designed conversion kits should be used, see separate literature.

N.B. Modules can be calibrated to provide a higher B.L.F. than shown above, when the type and wattage of lamp is known and specified.

Chart No. 2

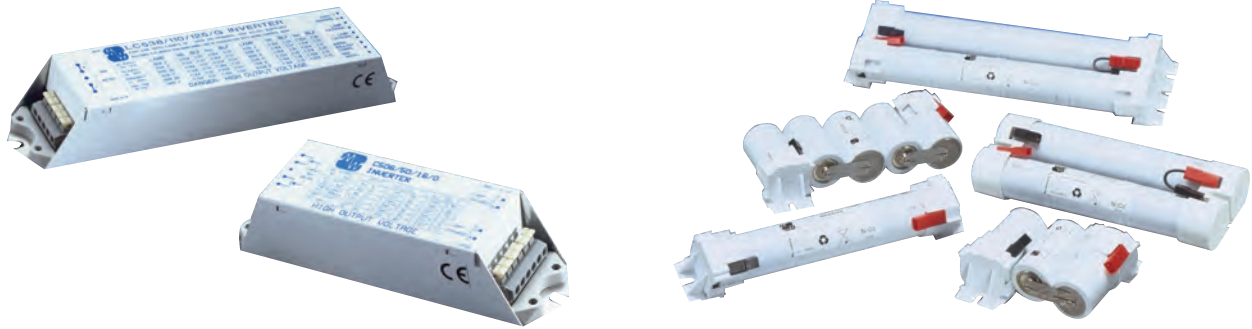
Lamp		VIG 3/8	VIG 4/13	VIG 4/28	VIG 4/58	VIG 6/70
Watts	Type					
4	T5					
5	TC-EL					
6	T5					
7	TC-EL	18				
8	T5	16				
9	TC-EL		20			
10	TC-DEL		16			
10	TC-DD		17			
11	TC-EL		19			
13	T5		16			
13	TC-DEL		16			
15	T8			14		
16	T8			14		
16	TC-DD			14		
18	TC-L			13		
18	TC-F			13		
18	TC-DEL			13		
18	TC-TEL			14		
18	T8			13		
20	T12			13		
21	TC-DD			12		
22	T-R			12		
24	TC-L			11		
24	TC-F			11		
26	TC-DEL			11		
26	TC-TEL			10		
28	TC-DD			10		
30	T8				10	
32	T-R				9	
32	TC-TEL				9	
34	TC-L				8	
36	TC-L				8	
36	T8				8	
36	TC-F				8	
38	T8				8	
38	TC-DD				7	
40	T12				7	
40	T-R				7	
40	TC-L				8	
58	T8				6	
65	T12					8
70	T8					7



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
MINI INTEGRATED MODULE - Combined Ballast and Emergency Module									
D222	HF Combined	13	TC-DE	3 Cell	150	73	33	140	M
D223	HF Combined	28	TC-DD	3 Cell	150	73	33	140	M
D224	HF Combined	16-21	TC-DD	4 Cell	150	73	33	140	M
D225	HF Combined	18/26	TC-DE/TE*						
		18	T8						
		24 28	TC-L TC-DD	4 Cell	150	73	33	140	M
D226	HF Combined	9 10	TC-SE TC-DD	3 Cell	150	73	33	140	M
DR227	HF Combined	38	TC-DD	4 Cell	150	73	33	140	M
DR228	HF Combined	28	TC-DD	4 Cell	150	73	33	140	M
SD208+	Exit sign Module	8 7	T5 TC-SE	2 Cell	150	44	35	140	M
* Not suitable for use with Amalgan Lamps									
TWINSTART INTEGRATED MODULE - Combined Ballast and Emergency Module									
DT13	HFCombined	2x13	TC-DE	4 Cell	104	124	31	110x90	M
DT13/TEL	HFCombined	2x13	TC-TE	4 Cell	104	124	31	110x90	M
DT18	HFCombined	2x18	TC-DE	4 Cell	104	124	31	110x90	M
DT18/TEL	HFCombined	2x18	TC-TE	4 Cell	104	124	31	110x90	M
DT26	HFCombined	2x26	TC-DE	4 Cell	104	124	31	110x90	M
DT32/TEL	HFCombined	2x26/32	TC-TE	5 Cell	104	124	31	110x90	M
PRIMIEN-1 - Maintained 5 Pole Module for use with NiCd or NiMh Batteries									
S2CHE	5 Pole	4-8	See Selection	2 Cell	150	44	35	140	M
S3CHE	5 Pole	4-36	Chart 1 on	3 Cell	150	44	35	140	M
S4CHE	5 Pole	4-58	Page 16	4 Cell	150	44	35	140	M
S5CHE	5 Pole	4-70		5 Cell	150	44	35	140	M
PRIMIEN-2 - Maintained 5 Pole Module with SmartStart™ for use with NiCd or NiMh Batteries									
S2C	5 Pole Relay	4-8	See Selection	2 Cell	150	44	30	140	M
S3C	5 Pole Relay	4-36	Chart 1 on	3 Cell	150	44	30	140	M
S4C	5 Pole Relay	4-58	Page 16	4 Cell	150	44	30	140	M
S5C	5 Pole Relay	4-70		5 Cell	150	44	30	140	M
Primian-2 has SmartStart for reliable operation with Low Mercury Lamps. and will allow the option of AT4 AutoTest and DALI communication									
5 POLE MODULE									
SR480	5 Pole Relay	11-28	TC-SE/DE	4 Cell	150	44	35	140	M
SR482	5 Pole Relay	4-8	T5	2 Cell	150	44	35	140	M
SR484	5 Pole Relay	18-40	T8/T12	5 Cell	150	44	35	140	M
SR554	5 Pole Relay	18-36	T8	3 Cell	150	44	35	140	M
SR555	5 Pole Relay	58	T8	4 Cell	150	44	35	140	M
SR556	5 Pole Relay	70	T8	5 Cell	150	44	35	140	M
RELION FASTSTART - 5 Pole Module for Amalgan Lamps									
SR642	5 Pole Relay	13-57	See Selection	6 Cell	210	42	35	200	M
SR654	5 Pole Relay	21-54	Chart 2 on	6 Cell	210	42	35	200	M
SR655	5 Pole Relay	55	Page 17	6 Cell	210	42	35	200	M
CERIAN - 5 Pole Module for Switch Start or High Frequency Circuits									
SR664	5 Pole Relay	18-36	See Selection	3 Cell	150	44	35	140	M
SR665	5 Pole Relay	18-58	Chart 2 on	4 Cell	150	44	35	140	M
SR666	5 Pole Relay	70	Page 17	5 Cell	150	44	35	140	M
Cerian has the option of AT4 AutoTest and DALI communication									



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM	
					L	W	H	F.C.		
ADVANZE-1 Q-START T-FIVE MODULE										
ST504	5 Pole Relay	14-28	See Selection	5 Cell	250	28	28	245	M	
ST505	5 Pole Relay	14-35	Chart 2 on	6 Cell	250	28	28	245	M	
ST506	5 Pole Relay	24-58	Page 17	6 Cell	250	28	28	245	M	
ST680	5 Pole Relay	70-80		6 Cell	250	28	28	245	M	
Advanze 1 Low Profile 28 x 28mm can be used with NiCd or NiMH Batteries										
ADVANZE-2 Q-START T-FIVE MODULE										
ST514	5 Pole Relay	14-28	See Selection	5 Cells	250	30	21	245	M	
ST515	5 Pole Relay	14-35	Chart 2 on	6 Cells	250	30	21	245	M	
ST516	5 Pole Relay	24-54	Page 17	6 Cells	250	30	21	245	M	
ST681	5 Pole Relay	80		6 Cells	250	30	21	245	M	
Advanze-2 Low Profile 21 x 30mm and will allow the option of AT4 AutoTest and DALI communication with SmartCharge.										
AUTOTEST - 5 Pole Module										
AS554	5 Pole Relay	Auto Test	18-36	T8	3 Cell	150	42	35	140	M
AS555	5 Pole Relay	Auto Test	58	T8	4 Cell	150	42	35	140	M
AS556	5 Pole Relay	Auto Test	70	T8	5 Cell	150	42	35	140	M
AUTOTEST T-FIVE - 5 Pole Module										
AST504	T-Five	Auto Test	14-28	TL5 HE	5 Cell	250	28	28	245	M
AST505	T-Five	Auto Test	14-35	TL5 HE	6 Cell	250	28	28	245	M
AST506	T-Five	Auto Test	22-60	TL5 HO & Circ.	6 Cell	250	28	28	245	M
4 POLE - High Frequency Module										
SM478	4 Pole Relay	9-16	See Selection	3 Cell	150	44	35	140	M	
SM479	4 Pole Relay	15-20	Chart 3 on	4 Cell	150	44	35	140	M	
SM480	4 Pole Relay	11-28	Page 18	4 Cell	150	44	35	140	M	
SM482	4 Pole Relay	4-8		2 Cell	150	44	35	140	M	
SM483	4 Pole Relay	6-8		3 Cell	150	44	35	140	M	
SM484	4 Pole Relay	18-40		5 Cell	150	44	35	140	M	
SM554	4 Pole Relay	High Efficiency	18-36	See Selection	3 Cell	150	44	35	140	M
SM555	4 Pole Relay	High Efficiency	58	Chart 3 on	4 Cell	150	44	35	140	M
SM556	4 Pole Relay	High Efficiency	70	Page 18	5 Cell	150	44	35	140	M
2 POLE - Switch Start Module										
SM278	2 Pole Relay	9-16	See Selection	3 Cell	150	44	35	140	M	
SM280	2 Pole Relay	11-28	Chart 3 on	4 Cell	150	44	35	140	M	
SM282	2 Pole Relay	4-8	Page 18	2 Cell	150	44	35	140	M	
SM283	2 Pole Relay	6-8		3 Cell	150	44	35	140	M	
SM284	2 Pole Relay	18-40		5 Cell	150	44	35	140	M	
NON-MAINTAINED MODULE										
SM178		9-16	See Selection	3 Cell	150	44	35	140	NM	
SM180		11-28	Chart 3 on	4 Cell	150	44	35	140	NM	
SM182		4-8	Page 18	2 Cell	150	44	35	140	NM	
SM183		6-8		3 Cell	150	44	35	140	NM	
SM184		18-40		5 Cell	150	44	35	140	NM	



Product Reference	Description	Lamp Watts	Volts	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
NON MAINTAINED INVERTERS for Central Battery System									
C502/12/16/G	AC/DC Inverter	4 - 16	12v		150	42	35	140	NM
C512/12/28/G	AC/DC Inverter	18 - 28	12v		150	42	35	140	NM
C504/24/16/G	AC/DC Inverter	4 - 16	24v		150	42	35	140	NM
C514/24/28/G	AC/DC Inverter	18 - 28	24v		150	42	35	140	NM
C506/50/16/G	AC/DC Inverter	4 - 16	50v		150	42	35	140	NM
C516/50/16/G	AC/DC Inverter	18 - 28	50v		150	42	35	140	NM
C508/110/16/G	AC/DC Inverter	4 - 16	110v		150	42	35	140	NM
C518/110/16/G	AC/DC Inverter	18 - 28	110v		150	42	35	140	NM
C509/240/16/G	AC/DC Inverter	4 - 125	240v		150	42	35	140	NM
MAINTAINED INVERTERS for Central Battery System									
LC532/12/125/G	AC/DC Inverter	18 - 125	12v		210	42	35	200	M
LC524/24/16/G	AC/DC Inverter	4 - 16	24v		210	42	35	200	M
LC534/24/125/G	AC/DC Inverter	18 - 125	24v		210	42	35	200	M
LC528/110/16/G	AC/DC Inverter	4 - 16	110v		210	42	35	200	M
LC538/110/125/G	AC/DC Inverter	18 - 125	110v		210	42	35	200	M
RECHARGEABLE BATTERIES - NiCd 4.0Ah D Cells									
B613/24	In-Line - spades		2.4v	2 Cell	155	38 Ø	35	140	
B644/34	In-Line - spades		3.6v	3 Cell	215	38 Ø	35	200	
B616/44	In-Line - spades		4.8v	4 Cell	275	38 Ø	35	260	
B618/54	In-Line - spades		6.0v	5 Cell	335	38 Ø	35	320	
B778/64	In-Line - spades		7.2v	6 Cell	395	38 Ø	35	380	
B615/3x4	Side x Side spades		3.6v	3 Cell	105	95	35	66x80	
B215/3x4	Side x Side, plate, with plugs		3.6v	3 Cell	100	65	34	40x32	
B217	Side x Side, plate, with plugs		4.8v	4 Cell	135	65	34	40x64	
B219/5x4	Side x Side, plate, with plugs		6.0v	5 Cell	165	65	34	40x96	
B422/2x4	Dual In-Line - with plugs		2.4v	2 Cell	70	76	37	50	
B624/4x4	Dual In-Line - with spade		4.8v	4 Cell	130	76	37	110	
B576/6x4	Dual In-Line - with spades		7.2v	6 Cell	190	76	37	170	
B612/8x4	Dual In-Line - with spades		9.6v	8 Cell	250	76	37	230	
B433/10x4	Dual In-Line - with spades		12v	10 Cell	310	76	37	290	
B824/4x4	Dual In-Line - fixing clips & spades		4.8v	4 Cell	155	76	35	140	
B776/6x4	Dual In-Line - fixing clips & spades		7.2v	6 Cell	215	76	35	200	
B812/8x4	Dual In-Line - fixing clips & spades		9.6v	8 Cell	275	76	35	260	
B633/10x4	Dual In-Line - fixing clips & spades		12v	10 Cell	335	76	35	320	

Chart 1

Module Watts	Type	S2CHE 2 Cell	S3CHE 3 cell	S4CHE 4 Cell	S5CHE 5 Cell	S2C 2 Cell	S3C 3 Cell	S4C 4 Cell	S5C 5 Cell
4w	T5	33	30	22	36	38	27	34	59
6w	T5	32	32	25	37	28	30	36	59
8w	T5	18	33	21	38	27	30	35	63
13w	T5		19	22	36		19	35	33
14w	TL5		18	21	26		15	26	26
21w	TL5			19	14			18	24
28w	TL5				12				
35w	TL5								
24w	TL5			11					
39w	TL5								
49w	TL5								
54w	TL5								
80w	TL5								
22w	TL5-C							15	20
40w	TL5-C								
55/60w	TL5-C								
15/18w	T8		19	14	27			31	33
30/36w	T8			10	9			11	35
58w	T8			7	9				
70w	T8				9				
5w	SEL		8	10	14	34	26	30	44
7w	SEL		12	12	18	23	24	30	51
9w	SEL		16	8	20		32	36	54
11w	SEL		15	9	19		22	31	32
10w	DEL				27		12	26	55
13w	DEL		15	13	30		26	27	32
18w	DEL		9	10	13			16	22
26w	DEL		9	9	13			18	21
13w	TEL		18	9	27			10	28
18w	TEL		12	9	20			20	22
26w	TEL		7	7	19			14	22
32w	TEL			7	8				
42w	TEL								
57w	TEL								
18w	TC-L		15	10	15		15	18	29
24w	TC-L		12	9	17			14	18
34w	TC-L		8	10	9			15	
36w	TC-L			8	7			11	17
40w	TC-L			7	7			9.5*	
55w	TC-L				7				
80w	TC-L								
10w	2D								
16w	2D		11	13	24		18	21	30
21w	2D		14	17	30			23	31
28w	2D		9	11	10			14	19
38w	2D Amalgam			9	9			9*	16
55w	2D								11
18w	TC-F		9	7	11		13	16	25
24w	TC-F		8	7	11		10	18	17
36w	TC-F			6	12			9	16

* For these lamps use A/S4C-40

Optimisation Link

Where modules are fitted with a link or switch to optimise the output over the range of lamps, remove the link when the BLF is red.

The ballast lumen factor (%) published in this chart, are the result of extensive testing, but in a world of changing lamps and ballasts, it is the user's responsibility to ensure this continuity of compatibility. In particular it is important that the discharge current, as stated on the label, is not exceeded, otherwise the specified duration may not be achieved.

These modules are not suitable for remote mounting above 0.5m.

Chart 2

	SR664 3 Cell	SR665 4 Cell	SR666 5 Cell	SR642 6 Cell	SR654 6 Cell	SR655 6Cell	ST504 5 Cell	ST505 6 Cell	ST506 6 Cell	ST680 6 Cell	ST514 5 Cell	ST515 6 Cell	ST516 6 Cell	ST681 6 Cell
4w T5														
6w T5														
8w T5														
13w T5														
14w TL5							14	17			14	18		
21w TL5							14	17			14	18		
28w TL5					9		10	12			11	13		
35w TL5					11			11				12		
24w TL5					10				13				13	
39w TL5					8				12				12	
49w TL5					8				8				8	
54w TL5					7				6				7	
80w TL5										4				3
22w TL5-C									13				13	
40w TL5-C									12				12	
55/60w TL5-C									7/7				7	
15/18w T8	13♦	11♦							12				7	
30/36w T8	9♦	9♦							6					
58w T8		6♦							5					
70w T8			10♦							3.4				
5w SEL														
7w SEL														
9w SEL														
11w SEL														
10w DEL														
13w DEL														
18w DEL														
26w DEL														
13w TEL				24										
18w TEL				25										
26w TEL				16										
32w TEL				17										
42w TEL				12										
57w TEL				6										
18w TC-L														
24w TC-L														
34w TC-L														
36w TC-L														
40w TC-L														
55w TC-L						16								
80w TC-L										3				3
10w 2D														
16w 2D														
21w 2D														
28w 2D														
38w 2D Amalgam				(11)										
55w 2D				5										
18w TC-F														
24w TC-F														
36w TC-F														

♦ Non-sinusoidal output may lead to mercury migration

Optimisation Link

Where modules are fitted with a link or switch to optimise the output over the range of lamps, remove the link when the BLF is red.

The ballast lumen factor (%) published in this chart, are the result of extensive testing, but in a world of changing lamps and ballasts, it is the user's responsibility to ensure this continuity of compatibility. In particular it is important that the discharge current, as stated on the label, is not exceeded, otherwise the specified duration may not be achieved.

These modules are not suitable for remote mounting above 0.5m.

Chart 3

		SM182 SM282 SM482 2 Cell	SM183 SM283 SM483 3 Cell	SM178 SM278 SM478 3 Cell	SM479 4 Cell	SM180 SM480 4 Cell	SM184 SM284 SM484 4 Cell	SM554 3 Cell	SM555 4 Cell	SM556 5 Cell
4w	T5	42		30		31	59			
6w	T5	30		31		35	62			
8w	T5	29	51	30		32	62			
13w	T5		45	19		34	30			
14w	TL5			20		24	25	16 ♦	18 ♦	
21w	TL5					19	25		15 ♦	
28w	TL5									
35w	TL5									
24w	TL5									
39w	TL5									
49w	TL5									
54w	TL5									
80w	TL5									
22w	TL5-C					14	18			
40w	TL5-C									
55/60w	TL5-C									
15/18w	T8				27	15	32	16 ♦		
30/36w	T8				25	11	15	7 ♦		
58w	T8				11				8 ♦	
70w	T8									9 ♦
5w	SEL	39				26	46			
7w	SEL	21	43	32		30	58			
9w	SEL			22		26	44			
11w	SEL			16		34	47			
10w	DEL			34		21				
13w	DEL			18		32		15 ♦	23 ♦	
18w	DEL					23	28	11 ♦	17 ♦	
26w	DEL					18	23	7 ♦	15 ♦	17 ♦
13w	TEL					30				
18w	TEL					23	26			
26w	TEL					19	22			
32w	TEL									
42w	TEL									
57w	TEL									
18w	TC-L			18	24	18	33	10 ♦		
24w	TC-L			11	17	17	19	11 ♦	12 ♦	
34w	TC-L					14	17		10 ♦	10 ♦
36w	TC-L					11	18		8 ♦	11 ♦
40w	TC-L									9 ♦
55w	TC-L									7 ♦
80w	TC-L									
10w	2D			26		30				
16w	2D			18		27		9 ♦		
21w	2D					24	29	6 ♦	22 ♦	
28w	2D					16	21	8 ♦	13 ♦	
38w	2D Amalgam						18		7 ♦	
55w	2D									
18w	TC-F					12	28			
24w	TC-F					15				
36w	TC-F					11				

These modules are not suitable for remote mounting above 0.5m.

Suitable for use only with non-amalgam lamps.

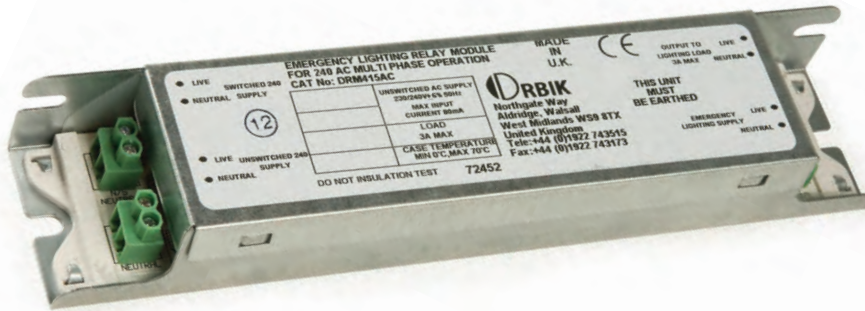
♦ Non-sinusoidal output may lead to mercury migration

Optimisation Link - Where modules are fitted with a link or switch to optimise the output over the range of lamps, remove the link when the BLF is RED.

The ballast lumen factor (%) published in this chart, are the result of extensive testing, but in a world of changing lamps and ballasts, it is the user's responsibility to ensure this continuity of compatibility. In particular it is important that the discharge current, as stated on the label, is not exceeded, otherwise the specified duration may not be achieved.



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
JOULE RANGE Combined High Frequency Ballast and Emergency Lighting Unit Complete									
M2001P3	HF Combined	8-18	T5/T8	3 Cell	154	42	35	144	NM
MS2001P3	HF Combined	8-18	T5/T8	3 Cell	154	42	35	144	M/NM
MCP4100P3	HF Combined	16-18	TC-DD TC-D	3 Cell	180	70	35	130	M
MCP4097P3	HF Combined	18-28	TC-D TC-DD	3 Cell	180	70	35	130	M
MCP4099P3	HF Combined	16-26	TC-DD TC-D	4 Cell	180	70	35	130	M
MCP4098P3	HF Combined	18-28	TC-D TL5 TC-DD	4 Cell	180	70	35	130	M
MCP4101P3	HF Combined	36-38	TC/F TC-DD	5 Cell	180	70	35	170	M
PH - PERFORM TECHNOLOGY 4 POLE INVERTER - high profile									
PH4003P3	Module	See Selection Chart 1 on Page 21		3 Cell	154	42	35	144	M/NM
PH4005P3	Module	See Selection Chart 1 on Page 21		4 Cell	154	42	35	144	M/NM
PH4007P3	Module	See Selection Chart 1 on Page 21		4 Cell	154	42	35	144	M/NM
PH4403P3	Module	See Selection Chart 1 on Page 21		4 Cell	154	42	35	144	M/NM
PH4418P3	Module	See Selection Chart 1 on Page 21		4 Cell	154	42	35	144	M/NM
PH4009P3	Module	See Selection Chart 1 on Page 21		5 Cell	154	42	35	144	M/NM
PH5506P3	Module	See Selection Chart 1 on Page 21		5 Cell	154	42	35	144	M/NM
PH4011P3	Module	See Selection Chart 1 on Page 21		5 Cell	154	42	35	144	M/NM
PL - PERFORM TECHNOLOGY 4 POLE INVERTER - low profile									
PL4003P3	Module	See Selection Chart 1 on Page 21		3 Cell	203	42	28	193	M/NM
PL4005P3	Module	See Selection Chart 1 on Page 21		4 Cell	203	42	28	193	M/NM
PL4007P3	Module	See Selection Chart 1 on Page 21		4 Cell	203	42	28	193	M/NM
PL4403P3	Module	See Selection Chart 1 on Page 21		4 Cell	203	42	28	193	M/NM
PL4418P3	Module	See Selection Chart 1 on Page 21		4 Cell	203	42	28	193	M/NM
PL4009P3	Module	See Selection Chart 1 on Page 21		5 Cell	203	42	28	193	M/NM
PL5506P3	Module	See Selection Chart 1 on Page 21		5 Cell	203	42	28	193	M/NM
PL4011P3	Module	See Selection Chart 1 on Page 21		5 Cell	203	42	28	193	M/NM
PLR - PERFORM TECHNOLOGY 5 POLE INVERTER with hold off relay - low profile									
PLR5003P3	Module	See Selection Chart 1 on Page 21		3 Cell	216	42	28	206	M/NM
PLR5005P3	Module	See Selection Chart 1 on Page 21		4 Cell	216	42	28	206	M/NM
PLR5007P3	Module	See Selection Chart 1 on Page 21		4 Cell	216	42	28	206	M/NM
PLR5403P3	Module	See Selection Chart 1 on Page 21		4 Cell	216	42	28	206	M/NM
PLR5418P3	Module	See Selection Chart 1 on Page 21		4 Cell	216	42	28	206	M/NM
PLR5009P3	Module	See Selection Chart 1 on Page 21		5 Cell	216	42	28	206	M/NM
PLR5506P3	Module	See Selection Chart 1 on Page 21		5 Cell	216	42	28	206	M/NM
PLR5011P3	Module	See Selection Chart 1 on Page 21		5 Cell	216	42	28	206	M/NM
PHR - PERFORM TECHNOLOGY 5 POLE INVERTER with hold off relay - high profile									
PHR5607P3	Module	See Selection Chart 2 on Page 21		5 Cell	216	42	35	206	M/NM
PHR5608P3	Module	See Selection Chart 2 on Page 21		5 Cell	216	42	35	206	M/NM
PHR5809P3	Module	See Selection Chart 2 on Page 21		8 Cell	216	42	35	206	M/NM
PHR5108P3	Module	See Selection Chart 2 on Page 21		10 Cell	216	42	35	206	M/NM
T5 4 POLE INVERTER - low profile									
MT5414P3	Module	Selection Chart 1 on P.21		4 Cell	350	28	28	230	M/NM
MT5528P3	Module	Selection Chart 1 on P.21		5 Cell	350	28	28	230	M/NM
MT5854P3	Module	Selection Chart 2 on P.21		8 Cell	350	28	28	230	M/NM
MT5108P3	Module	Selection Chart 1 on P.21		10 Cell	350	28	28	230	M/NM



Product Reference	Description	Volts	Lamp Watts	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
AC/DC INVERTER									
PV288	No Relay	24v	4-8		154	42	35	144	
PV289	No Relay	50v	4-8		154	42	35	144	
PV290	No Relay	110v	4-8		154	42	35	144	
PV190	No Relay	24v	9-20		154	42	35	144	
PV191	No Relay	50v	9-20		154	42	35	144	
PV192	No Relay	110v	9-20		154	42	35	144	
PVR24	c/w AC 'hold off' relay	24v	7-100		216	42	28	206	
PVR50	c/w AC 'hold off' relay	50v	7-100		216	42	28	206	
PVR110	c/w AC 'hold off' relay	110v	7-100		216	42	28	206	
Rechargeable Batteries									
B164/24	In Line - with plugs	2.4v		2 Cell	164	36 Ø	36	149	
B167/34	In Line - with plugs	3.6v		3 Cell	226	36 Ø	36	214	
B170/44	In Line - with plugs	4.8v		4 Cell	285	36 Ø	36	270	
B173/54	In Line - with plugs	6.0v		5 Cell	346	36 Ø	36	331	
B176/64	In Line - with plugs	7.2v		6 Cell	406	36 Ø	36	391	
B878/84	In Line - with plugs	9.6v		8 Cell	525	36 Ø	36	510	
B178/104	In Line - with plugs	12v		10 Cell	648	36 Ø	36	633	
B702/4x4	Dual In-Line - with plugs	4.8v		4 Cell	123	75	36	108	
B701/6x4	Dual In-Line - with plugs	7.2v		6 Cell	182	75	36	167	
B879/8x4	Dual In-Line - with plugs	9.6v		8 Cell	242	75	36	227	
B179/10x4	Dual In-Line - with plugs	12v		10 Cell	300	75	36	285	
B161/2x4	Side x Side	2.4v		2 Cell	65	72	36		
B166/3x4	Side x Side c/w plate	3.6v		3 Cell	99	65	34	40x33	
B169/4x4	Side x Side c/w plate	4.8v		4 Cell	130	65	34	40x65	
B172/5x4	Side x Side c/w plate	6.0v		5 Cell	163	65	34	40x97	

Chart 1		PH4003P3 PL4003P3 PLR5003P3	PH4005P3 PL4005P3 PLR5005P3	MT5414P3	PH4007P3 PL4007P3 PLR5007P3	PH4403P3 PL4403P3 PLR5403P3	PH4418P3 PL4418P3 PLR5418P3	PH4009P3 PL4009P3 PLR5009P3	PH4506P3 PL4506P3 PLR5506P3	PH4011P3 PL4011P3 PLR5011P3	MT5528P3
Lamp Watts	Lamp Type	3 CELL	4 CELL	4 CELL	4 CELL	4 CELL	4 CELL	5 CELL	5 CELL	5 CELL	5 CELL
18w	T8	12	11				25	13			
30w	T8	9	10								
36w	T8	9	10								
58w	T8				10					10	
70w	T8									7	
20w	T12	12	11				25	13			
40w	T12	9	10								
100w	T12										
8w	T5	24	20				42				
14w	TL5			32			32				
21w	TL5								28		28
24w	TL5								25		25
28w	TL5								26		26
35w	TL5										
39w	TL5										
49w	TL5										
54w	TL5										
80w	TL5										
22w	T5-C		11								
40w	T5-C				11					11	
55w	T5-C				9					9	
16w	TC-DD	16				23					
21w	TC-DD										
28w	TC-DD	13	11			16					
38w	TC-DD				9			13		10	
55w	TC-DD				11			11		11	
18w	TC-L	12	18					24			
24w	TC-L	13	13					29			
34w	TC-L							14			
36w	TC-L		12					15			
40w	TC-L		12		13			14			
55w	TC-L				12			11			
5w	TC-S/E	20					40				
7w	TC-S/E	22	25				37				
9w	TC-S/E	23	26				38				
11w	TC-S/E	20	24				40				
10w	TC-D/E	20	26						30		
13w	TC-D/E	29	29						28		
18w	TC-D/E	12	17					33	25		
26w	TC-D/E		16						22		
13w	TC-T/E								23		
18w	TC-T/E								22		
26w	TC-T/E								20		
32w	TC-T/E										
42w	TC-T/E										
57w	TC-T/E										

Chart 2		PHR5607P3	PHR5608P3	PHR5809P3	MT5854P3	PHR5108P3
Lamp Watts	Lamp Type	6 CELL	6 CELL	8 CELL	8 CELL	10 CELL
18w	T8					
30w	T8	18				
36w	T8	18				
58w	T8		11	15		
70w	T8		10	14		17
20w	T12					
40w	T12	18				
100w	T12			9		10
8w	T5					
14w	TL5					
21w	TL5					
24w	TL5					
28w	TL5					
35w	TL5			27	27	
39w	TL5			24	24	
49w	TL5			20	20	
54w	TL5			17	17	
80w	TL5					10
22w	T5-C					
40w	T5-C					
55w	T5-C					
16w	TC-DD					
21w	TC-DD					
28w	TC-DD	16				
38w	TC-DD					
55w	TC-DD		12			
18w	TC-L					
24w	TC-L					
34w	TC-L	13				
36w	TC-L					
40w	TC-L	14		30		
55w	TC-L		12	15		11
5w	TC-S/E					
7w	TC-S/E					
9w	TC-S/E					
11w	TC-S/E					
10w	TC-D/E					
13w	TC-D/E					
18w	TC-D/E					
26w	TC-D/E					
13w	TC-T/E					
18w	TC-T/E					
26w	TC-T/E					
32w	TC-T/E	20				
42w	TC-T/E			18		
57w	TC-T/E					13



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
Combined High Frequency Ballast and Emergency Module c/w Batteries									
XCU136.3E	HF Combined	36	T8	3 Cell	424	42	28	415	M
XCU158.3F	HF Combined	58	T8	4 Cell	424	42	28	415	M
XCU170.3G	HF Combined	70	T8	5 Cell	424	42	28	415	M
XCU218.3E	HF Combined	2x18	T8	3 Cell	424	42	28	415	M
XCU236.3E	HF Combined	2x36	T8	3 Cell	424	42	28	415	M
XCU258.3F	HF Combined	2x58	T8	4 Cell	424	42	28	415	M
XCU270.3G	HF Combined	2x70	T8	5 Cell	424	42	28	415	M
XCU255.3H	HF Combined	2x55	TC-L	6 Cell	424	42	28	415	M
XCU418.3E	HF Combined	3/4x18	T8	3 Cell	424	42	28	415	M
XCU436.3E	HF Combined	3/4x36	T8	3 Cell	424	42	28	415	M
XCU414.3E	HF Combined	3/4x14	TL5	3 Cell	424	42	28	415	M
XCR121.3E	HF Combined	16/21	TC-DD	3 Cell	164	93	35		M
XCR128.3E	HF Combined	28	TC-DD	4 Cell	164	93	35		M
XCR138.3F	HF Combined	38	TC-DD	4 Cell	164	93	35		M
ZT - 5 Pole Low Profile Module c/w Batteries									
ZT3.E/A	5 Pole	4-36	See Selection	3 Cell	215	38	29	205	M/NM
ZT3.E/B	5 Pole	5-55	Chart 1 on	3 Cell	215	38	29	205	M/NM
ZT3.F/A	5 Pole	4-58	Page 24	4 Cell	215	38	29	205	M/NM
ZT3.F/B	5 Pole	14-28		4 Cell	215	38	29	205	M/NM
ZT3.F/C	5 Pole	24-36		4 Cell	215	38	29	205	M/NM
ZT3.G/A	5 Pole	4-70	See Selection	5 Cell	215	38	29	205	M/NM
ZT3.G/B	5 Pole	28-40	Chart 1 on	5 Cell	215	38	29	205	M/NM
ZT3.G/C	5 Pole	39-54	Page 24	5 Cell	215	38	29	205	M/NM
ZT3.H/A	5 Pole	4-100		5 Cell	215	38	29	205	M/NM
ZT3.H/B	5 Pole	55-80		5 Cell	215	38	29	205	M/NM
ZT3.H/C	5 Pole	39		5 Cell	215	38	29	205	M/NM
ZW - 5 Pole Slimline Module for TL5 Lamps c/w Batteries									
ZW3.E/B	5 Pole	14	See Selection	3 Cell	295	29	21	280	M/NM
ZW3.F/B	5 Pole	14-24	Chart 3 on	4 Cell	295	29	21	280	M/NM
ZW3.G/B	5 Pole	28-49	Page 24	5 Cell	295	29	21	280	M/NM
ZW3.G/C	5 Pole	39-54		5 Cell	295	29	21	280	M/NM
ZW3.H/B	5 Pole	55-80		6 Cell	295	29	21	280	M/NM
ZW3.H/C	5 Pole	35		6 Cell	295	29	21	280	M/NM
ZV - 4 Pole Low Profile Module for Compact Lamps c/w Batteries									
ZV3.E/A	4 Pole	4-36	See Selection	3 Cell	155	42	30	148	M/NM
ZV3.E/B	4 Pole	5-18	Chart 2 on	3 Cell	155	42	30	148	M/NM
ZV3.F/A	4 Pole	4-58	Page 24	4 Cell	155	42	30	148	M/NM
ZV3.F/B	4 Pole	10-28		4 Cell	155	42	30	148	M/NM
ZV3.F/C	4 Pole	24-40		4 Cell	155	42	30	148	M/NM
ZV3.G/A	4 Pole	4-70		5 Cell	155	42	30	148	M/NM
XT - Low Profile Module c/w Batteries									
XT.3E	5 Pole	4-36	See Selection	3 Cell	230	43	29	215	M/NM
XT.3F	5 Pole	4-58	Chart 4 on	4 Cell	230	43	29	215	M/NM
XT.3G	5 Pole	4-70	Page 24	5 Cell	230	43	29	215	M/NM
XT.3H	5 Pole	4-125		6 Cell	230	43	29	215	M/NM
XV - 4 Pole, Low profile Module c/w Batteries									
XV.3E	4 Pole	4-36	See Selection	3 Cell	155	42.5	29	148	M/NM
XV.3F	4 Pole	4-58	Chart 4 on	4 Cell	155	42.5	29	148	M/NM
XV.3G	4 Pole	4-70	Page 24	5 Cell	155	42.5	29	148	M/NM



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
XW - 5 Pole Low profile Module for TL5 Lamps c/w Batteries									
XW.3F/B	5 Pole	14-24	TL5	4 Cell	230	43	29	175	M/NM
XW.3G/B	5 Pole	28-49	TL5	5 Cell	230	43	29	175	M/NM
XW.3G/C	5 Pole	39-54	TL5	5 Cell	230	43	29	175	M/NM
XW.3H/B	5 Pole	55-80	TL5	6 Cell	230	43	29	175	M/NM
XW.3H/C	5 Pole	35	TL5	6 Cell	230	43	29	175	M/NM
XW - Slimline Module for TL5 Lamps c/w Batteries									
XW.3NC 11-35w		11-35	TL5	12 Cell	295	28	28	280	M/NM
XW.3NC 24-49w		24-49	TL5	12 Cell	295	28	28	280	M/NM
XW.3NC 39-54w		39-54	TL5	12 Cell	295	28	28	280	M/NM

Chart 1

ZT MODULE Lamp		3			4			5			6		
		E/A	E/B	F/A	F/B	F/C	G/A	G/B	G/C	H/A	H/B	H/C	
4w	T5	17		18			22			24			
6w	T5	19		20			25			25			
8w	T5	22		22			25			26			
13w	T5	13		18			21			22			
14w	TL5		9		15								
21w	TL5				14								
24w	TL5				10								
28w	TL5						13						
35w	TL5										12		
39w	TL5							7					
49w	TL5						5						
54w	TL5							5					
80w	TL5									7			
22w	T-R5				10								
40w	T-R5						7						
55w	T-R5									6			
60w	T-R5									6			
15/18w	T8	11		12			13			14			
30/36w	T8	8		9			10			10			
58w	T8			6			8			9			
70w	T8						7			8			
20w	T12	11		12			13			14			
40w	T12			9			10			10			
65w	T12						7			8			
85w	T12									7			
100w	T12									7			
5w	TC-SEL		13										
7w	TC-SEL		15										
9w	TC-SEL		14										
11w	TC-SEL		15										
10w	TC-DEL		11		18								
13w	TC-DEL		13		16								
18w	TC-DEL		10		15								
26w	TC-DEL				7								
13w	TC-TEL		13		16								
18w	TC-TEL		10		15								
26w	TC-TEL				7								
32w	TC-TEL								9*				
42w	TC-TEL								7*				
18w	TC-L		6		9								
24w	TC-L				9	8							
34w	TC-L					5							
36w	TC-L					6							
40w	TC-L					5**		7					
55w	TC-L									7			
80w	TC-L									4			
10w	TC-DD		17		19								
16w	TC-DD		15		19								
21w	TC-DD				14								
28w	TC-DD				12								
38w	TC-DD						12	8					
55w	TC-DD		9							7			
18w	TC-F		6		9								
24w	TC-F				9	8							
36w	TC-F					6							
20w	U	11		12			13			14			
40w	U			9			10			10			

* Non Amalgam Lamps only ** Non SureTEST modules only

Chart 2

ZV MODULE Lamp		3			4			5
		E/A	E/B	F/A	F/B	F/C	G/A	
4w	T5	17		18			22	
6w	T5	19		20			25	
8w	T5	22		22			25	
13w	T5	13		18			21	
18w	T8	11		12			13	
36w	T8	8		9			10	
58w	T8			6			8	
70w	T8						7	
10w	TC-DEL		11		18			
13w	TC-DEL		13		16			
18w	TC-DEL		10		15			
26w	TC-DEL				7			
13w	TC-TEL				16			
18w	TC-TEL				15			
26w	TC-TEL				7			
5w	TC-SEL		13					
7w	TC-SEL		15					
9w	TC-SEL		14					
11w	TC-SEL		15					
18w	TC-L		6		9			
24w	TC-L				9	8		
34w	TC-L					5		
36w	TC-L					6		
40w	TC-L					5		
10w	TC-DD		17		19			
16w	TC-DD		15		19			
21w	TC-DD				14			
28w	TC-DD				12			

Chart 3

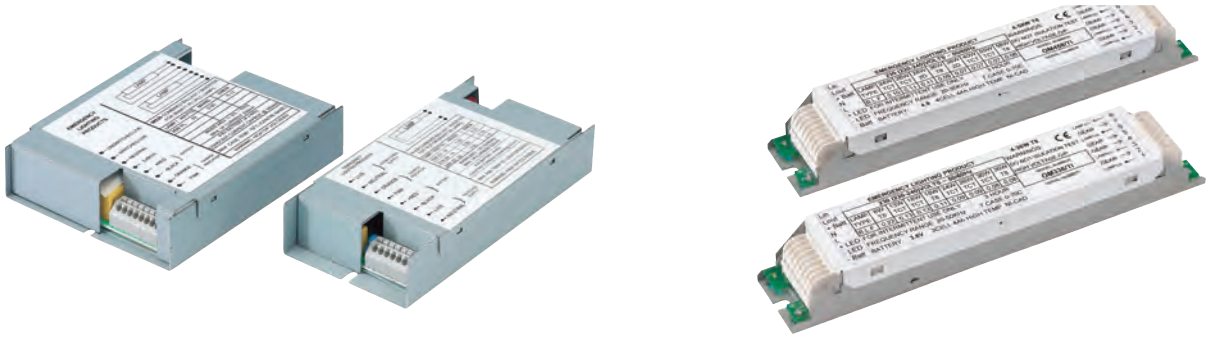
ZW MODULE Lamp		3		4		5		6	
		E/B	F/B	G/B	G/C	H/B	H/C		
14w	TL5	9	15						
21w	TL5		14						
24w	TL5		10						
28w	TL5			13					
35w	TL5								12
39w	TL5				7				
49w	TL5			5					
54w	TL5				5				
80w	TL5						7		
22w	T-R5		10						
40w	T-R5			7					
55w	T-R5							6	
60w	T-R5							6	

Chart 4

XT & XV MODULE Lamp		3	4	5	6
		XT.3E XV.3E	XT.3F XV.3F	XT.3G XV.3G	XT.3H
4w	T5	x	x	x	x
5w	PL	x	x	x	x
6w	T5	x	x	x	x
7w	PL	x	x	x	x
8w	T5	x	x	x	x
9w	PL	x	x	x	x
10w	PL	x	x	x	x
11w	PL	x	x	x	x
13w	PL	x	x	x	x
13w	T5	x	x	x	x
16w	2D	x	x	x	x
18w	PL	x	x	x	x
18w	T8	x	x	x	x
24w	PL	x	x	x	x
26w	PL	x	x	x	x
28w	2D	x	x	x	x
36w	PL	x	x	x	x
36w	T8	x	x	x	x
38w	2D	x	x	x	x
40w	PL	x	x	x	x
50w	T8		x	x	x
55w	PL		x	x	x
58w	T8		x	x	x
70w	T8			x	x
85w	T12				x
100w	T12				x
125w	T12				x



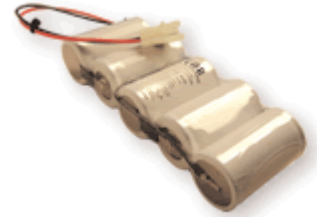
Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM	
					L	W	H	F.C.		
Harvard - Combined Electronic Ballast and Emergency Module										
Harvard	DED16	1x16	TC-DD	3 Cell	157	73	32	152	M	
Harvard	DE21	1x21	TC-DD	3 Cell	157	73	32	152	M	
Harvard	DE26	1x26	TC-DE	3 Cell	157	73	32	152	M	
Harvard	DED28	1x28	TC-DD	3 Cell	157	73	32	152	M	
Harvard	DED38	1x38	TC-DD	4 Cell	157	73	32	152	M	
Harvard	DE113-3	1x13	TC-D/T	3 Cell	157	73	32	152	M	
Harvard	DE118-3	1x18	TC-D/T	3 Cell	157	73	32	152	M	
Harvard	DE118L-3	1x18	TC-L	3 Cell	157	73	32	152	M	
Harvard	DE126-3	1x26	TC-D/T	3 Cell	157	73	32	152	M	
Harvard	DE132-4	1x26/32	TC-D/T	4 Cell	157	73	32	152	M	
Harvard	DE140-5-T5	1x40	T5 Circular	5 Cell	157	73	32	152	M	
Harvard	DE142-6	1x26/32/42	TC-D/T	6 Cell	157	73	32	152	M	
Harvard	DE213-3	2x13	TC-D/T	3 Cell	157	73	32	152	M	
Harvard	DE218-3	2x18	TC-D/T	3 Cell	157	73	32	152	M	
Harvard	DE226-3	2x26	TC-D/T	3 Cell	157	73	32	152	M	
MagneTek - Combined Electronic Ballast and Emergency Module										
Magnetek	Continua 28w	CIBM/28/3M/1	28	TC-DD	4 Cell	180	70	36	165	M
Isb - CONVERSION KITS with Nickel Cadmium (NiCd) Batteries										
JSB	BQX (BQH)	Module & Battery	4-36		3 Cell	216	38	30	205	M/NM
JSB	CQX (CQH)	Module & Battery	4-58		4 Cell	216	38	30	205	M/NM
JSB	DQX (DQH)	Module & Battery	4-70		5 Cell	216	38	30	205	M/NM
MEWW - Low Voltage Conversion Pack										
MEWW	SP80/6/50/M3	L V RGB	50w	80mm Aperture		247	53	40		M
MEWW	SP80/6/50/NM3	L V RGB	50w	80mm Aperture		205	47	40		NM



Product Reference	Description	Lamp Watts	Lamp Type	Battery Cells	Size in mm				M NM
					L	W	H	F.C.	
OM - 5-pole - Module Only									
OM/336/TI		4-36	T8	3 Cell	210	40	26	202	
OM/458/TI		4-58	T8	4 Cell	210	40	26	202	
OM/570/TI		4-70	T8	5 Cell	210	40	26	202	
OM/421/T5/TI		11-28	See Selection Chart on Page 27	4 Cell	210	40	26	202	
OM/535/T5/TI		11-42		5 Cell	210	40	26	202	
OM/524-49/T5/TI		24-49		5 Cell	210	40	26	202	
OM/539-54/T5/TI		39-80		5 Cell	210	40	26	202	
OM/680/T5/TI		13-80		6 Cell	210	40	26	202	
OM Low-Profile - 5-pole - Module Only									
OM/635/LP		13-39	See Chart on Page 27	6 Cell	260	31	21.5	256	
OM/680/LP		24-80		6 Cell	260	31	21.5	256	
ECK - 5-pole Conversion Module and Batteries									
ECK/336/TI		4-36	T8	3 Cell	210	40	26	202	
ECK/458/TI		4-58	T8	4 Cell	210	40	26	202	
ECK/570/TI		4-70	T8	5 Cell	210	40	26	202	
ECK/421/T5/TI		11-28	See Selection Chart on Page 27	4 Cell	210	40	26	202	
ECK/535/T5/TI		11-42		5 Cell	210	40	26	202	
ECK/524-49/T5/TI		24-49		5 Cell	210	40	26	202	
ECK/539-54/T5/TI		39-80		5 Cell	210	40	26	202	
ECK/680/T5/TI		13-80		6 Cell	210	40	26	202	
ECK Low-Profile - 5-pole - Module & Batteries									
ECK/635/LP		13-39	See Chart on Page 27	6 Cell	260	31	21.5	256	
ECK/680/LP		24-80		6 Cell	260	31	21.5	256	
IM INTEGRATED - Combined Electronic Ballast and Emergency Module Only									
IM428		16/21/28	TC-DD	4 Cell	150	72	30	144	
IM438		38	TC-DD	4 Cell	150	72	30	144	
IM418		13/18	TC-DE/TE	4 Cell	132	105	30		
IM526		18/26	TC-DE/TE	5 Cell	132	105	30		
IM542		32/42	TC-TE	5 Cell	132	105	30		
IMK INTEGRATED - Combined Electronic Ballast and Emergency Module c/w Batteries									
IMK428		16/21/28	TC-DD	4 Cell	150	72	30	144	
IMK438		38	TC-DD	4 Cell	150	72	30	144	
IMK418		13/18	TC-DE/TE	4 Cell	132	105	30		
IMK526		18/26	TC-DE/TE	5 Cell	132	105	30		
IMK542		32/42	TC-TE	5 Cell	132	105	30		



LAMP	OM336 ECK336	OM458 ECK458	OM 570 ECK570	OM421T5 ECK421T5	OM535T5 ECK535T5	OM524/49 ECK524/49	OM539/54 ECK539/54	OM635/LP ECK635/LP	OM680/LP ECK680/LP
9w TCSEL	18	18	18						
10w TCD	18	18	20	21					
11w TCS	17	18	20	21					
13w TCD	15	17	21	20					
13w TCT	15	17	21	21	21			25	
13w T5	17	18	21						
14w T5				19	20			26	
16w 2D	17	19	19	18				24	
18w TCL	14	15	16	15	17			22	
18w TCD	13	14	15	15	16			21	
18w TCT		14	15	15	16			20	
18w T8	12	13	14					20	
21w T5				14	16			24	
24w TCL		12	14	14	15			20	
24w TCF	9	10	11					21	
24w T5						9		20	20
26w TCD	9	11	12	14	15			20	
26w TCT			13	13	15			20	
28w 2D		14	16	14	16			20	
28w T5					14			21	
32w TCT					13			16	
35w T5					12			20	
36w TCL	9	10	11		11			15	
36w T8	9	10	11						
36w TCF		8	9		11			15	
38w 2D		8	10		11			15	
39w T5							6	10	10
40w TCL		7	9		10				12
42w TCT					10				12
49w T5						6			10
50w T8		7	8						
54w T5							5		10
55w 2D							9		11
55w Circ.							10		12
55w TCL		7	8				9		14
57w TCT			8						10
58w T8		7	8						
70w T8			7						9
70w TCT									9
80w T5							6		7
80w TCL							6		8



Product Reference	Description	Volts	Battery Cells	Size in mm			M NM
				L	W	H	
RECHARGABLE BATTERIES - NiCd 4.0Ah D CELLS							
2 Cell In-Line	In-Line c/w leads and end caps	2.4	2	150	37 Ø		141
3 Cell In-Line	In-Line c/w leads and end caps	3.6	3	209	37 Ø		200
4 Cell In-Line	In-Line c/w leads and end caps	4.8	4	268	37 Ø		259
5 Cell In-Line	In-Line c/w leads and end caps	6	5	326	37 Ø		317
6 Cell In-Line	In-Line c/w leads and end caps	7.2	6	385	37 Ø		376
8 Cell In-Line	In-Line c/w leads and end caps	9.6	8	502	37 Ø		493
6 Cell Dual In-Line	Dual In-Line 2x3 c/w leads	7.2	6	187	37x2		172
8 Cell Dual In-Line	Dual In-Line 2x4 c/w leads	9.6	8	246	37x2		230
10 Cell Dual In-Line	Dual In-Line 2x5 c/w leads	12	10	304	37x2		288
2 Cell Side by Side	Side x Side c/w leads	2.4	2	65	59	33	
3 Cell Side by Side	Side x Side c/w Plate and leads	3.6	3	97	59	33	
4 Cell Side by Side	Side x Side c/w Plate and leads	4.8	4	129	62	35	
5 Cell Side by Side	Side x Side c/w Plate and leads	6	5	161	62	35	
<p>All above batteries come complete with end caps and leads, but without connector tags. Therefore, these can be used to replace any make of emergency battery simply, using any connector of your choice.</p>							

BASIC TERMS OF SALE

- 1) All prices quoted are nett unless otherwise indicated.
- 2) Orders over £100.00 nett will be carriage paid unless special delivery terms are requested (not applicable to non account holders). These will be charged accordingly. Scotland and off shore UK & direct deliveries - special terms apply.
- 3) Claims for non - delivery must be notified in writing within 7 days of invoice date.
- 4) Claims for late delivery will only be accepted on condition that the carrier's notes have been dated and timed.
- 5) Shortages, damages and discrepancies must be reported within 3 working days of receipt of goods.
Written confirmation is required.
- 6) Bernlite Ltd reserve the right to only accept returned goods subject to the following conditions:
 - a) **Returns will not be accepted without prior agreement. Our returns ref. must be quoted at all times.**
 - b) Original invoice number and date of purchase must be quoted.
 - c) Reason for return must be stated.
 - d) A handling charge may be applicable.
 - e) Items found not to be faulty, out of warranty or in non-re saleable condition will be returned at the customer's expense and may be subject to a handling charge. No credit will be issued.
- 7) Price and discount queries must be notified on receipt of invoice.
Bernlite Ltd. Reserve the right to refuse credit on queries not notified within 30 days of the invoice date.
- 8) Goods remain the property of Bernlite Ltd. Until paid in full.
- 9) All sales are subject to VAT at the rate ruling on the date of despatch.
- 10) Payments terms are strictly nett monthly subject to satisfactory references
We reserve the right to withhold further supply of goods when payments are overdue.
- 11) Settlement discount may only be taken following written confirmation from Bernlite Ltd's company Accountant.
- 12) E.&O.E.

These basic terms form part of Bernlite's Full Conditions of Sales

November 08