

OTHER LAMPS



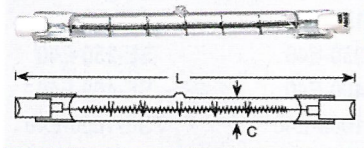
Halogen Flood Lamps Replacement for Incandescent Reflector Lamps

Flood Code	Watts	Voltage	Base Type	Beam Angle	Size L x Ø mm	Luminous Intensity (Lm)
PAR16FL	50W	220-240V	E27	30°	75 x 51	750
PAR20FL	50W	220-240V	E27	30°	80 x 64.5	1000
PAR30FL	75W	220-240V	E27	30°	88 x 97	2000
PAR38FL	100W	220-240V	E27	30°	136 x 122	3000

Aluminium Reflector Lamps

AR111-50W	50W	12V	G53	8°	60 x 111	750
AR111-75W	75W	12V	G53	8°	60 x 111	1200
AR111-110W	110W	12V	G53	8°	60 x 111	1700

Double Ended Halogen Linear Lamps. Expected lamp life 2000hrs.



Code	Watts	Lumens	Base	Length	Code	Wattage	Lumens	Base	Length
HD-150-78	150W	2100lm	Rx7s	78mm	HD-500	500W	9500lm	Rx7s	118mm
HD-150-118	150W	2100lm	Rx7s	118mm	HD-1000	1000W	21000lm	Rx7s	189mm
HD-300	300W	4800lm	Rx7s	118mm	HD-1500	1500W	33000lm	Rx7s	254mm

NEW **Golf Ball Lamps** - 230VAC. Size: Ø45 x 77mm

Watts	Code E27	Code B22
15W	E27-15-*	B22-15-*

*Add colour to code: ○ C (Clear), ● BL (Blue), ● GN (Green), ● Y (Yellow), ● R (Red), ● O (Orange), ● P (Purple)
• Incandescent Type

NEW **25W A60 Lamps**

Code	E27-25-*

*Add voltage to code: 24V, 115V, 230V
• Incandescent Type

NEW **Halogen Classic A60**

Watts	Code	Lumen
28W	A60-28-*	370lm
42W	A60-42-*	630lm
72W	A60-72-*	1212lm

*Add E27 or B22 to code.
Replaces traditional lamps
Colour temperature: 2700k
Size: Ø60 x 107Lmm

NEW **Halogen Candle Lamps** - 230VAC.

Watts	Standard Candle (102mm)	Flame Type (125mm)	Incandescent
	Code E27	Code E14	Flicker Code
3W	-	-	FFL-E14-3W
28W	CDL-E27-28W	CDL-E14-28W	-
42W	CDL-E27-42W	CDL-E14-42W	-

CDL, FLM

Incandescent

Watts	Standard Candle (102mm)	Flame Type (125mm)	Incandescent
	Code E27	Code E14	Flicker Code
3W	-	-	FFL-E14-3W
28W	CDL-E27-28W	CDL-E14-28W	-
42W	CDL-E27-42W	CDL-E14-42W	-

Lumen

NEW **INFRARED PAR38**

Infrared Heat Lamp - 230VAC

Code	PAR38-IR-175W
Power	175W
Lamp Base	E27
Lamp Life	5000h

Mainly used in chicken farming.

Heat Lamp Fitting

Code	HLF-01
Material	Bakelite
Size	Ø 145 x 180mm

NEW **SENSOR LAMP HOLDERS**

Code	RW-450	RW-451	RW-470	RW-471	RW-480
Volts	220-240VAC	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Output	60W (max)	60W (max)	60W (max)	60W (max)	60W (max)
Range/ Angle	6m/120°	6m/360°	-	-	-
Size (mm)	Ø 64 x 127	Ø 56 x 132	Ø 55 x 98	Ø 38 x 75	Ø 83 x 76
Light On Timer	120sec	120sec	-	-	60 sec
Ambient Lux	<10lux	<10lux	<10lux	<10lux	<10lux

DAYLIGHT SWITCHES

Code	CA-22015	CA-22006	LA10	LA16	CDS-27A	LC-10	LC-11	CDS-15A
Light Off Delay Timer	-	-	30sec		-	-	-	60sec
Load	15A	6A	10A	16A	10A	10A		200W for discharge lamp 1000W for incandescent lamp
Lux	Fixed On 31.5 / Off 12.5 Lux		Fixed On 60 Lux / Off 40 Lux		On ≤ 20Lux / Off ≥ 80 Lux		Adj. 5-300 Lux with LED Lux adj. indication	

Panel Fitted Daylight Switch

ORBIS energia intelligente

Daylight Switch IP65

Size 70(D) x 32(W) x 46(H) mm

Mini Daylight Switch

Code **ASTRO LOG**

Astro Log fits inside your distribution board. Programme in your co-ordinates and the Astro Log will control your lights perfectly, every day, every season.

Power Supply: 230VAC (6VA)
Switching Capacity: 16(10)A/250V AC 2C/O
Operating Accuracy: ±1sec/day at 23°C
Switching Accuracy: Better than 1 second
Battery Back-up: 4 years (Lithium battery)
Memory Spaces: 22
Auto change summer/winter: Yes

Max Recommended Load

Incandescent	3000W
Non-compensated Fluorescent	1200W

OR1

Code	MS15	JQ45	JQGM01
Light On Timer	-	-	-
Light On + Off Delay Timer	30sec	-	-
Load	10A	100W	100W
Lux	Fixed On 60 Lux / Off 40Lux	< 10 Lux	< 10 Lux

NEW **MICROWAVE MOTION SENSORS**

NEW

Small size allows unit to be mounted inside the light fitting.

ORBIS energia intelligente

Can be surface mounted or hidden in ceiling.
Very sensitive.

Code	JQ-25	RW-700	ECOMAT
Volts	220-240VAC	220-240VAC	230VAC
Output	1200W Incandescent 500W Fluorescent 500W LV Halogen	1200W Incandescent 500W Fluorescent 500W LV Halogen	1000W Incandescent 500W Fluorescent 500W LV Halogen
Range/ angle	1-8m/ 360°, 160°	2-8m/360°	6m/270° at 1.7m(H)
Size (mm)	75 x 41 x 43mm	Ø 102 x 44	116 x 78 x 42
Light On Timer	8sec-12min	10sec-12min	3s - 30min
Lux	< 5 Lux - 2000lux	< 3 lux - 2000lux	0.5 - 2000lux

LIGHTING

LIGHTING



PIR MOTION & LIGHT SENSORS

	Ceiling	Ceiling IP44	Flush	Wall IP44
Code	OS-468R	OS-460	OS-472B	F4000
Volts	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Output	5A Incandescent Lamp 2.5A Low Voltage or Fluorescent Lamp	5A Incandescent Lamp 2.5A Low Voltage or Fluorescent Lamp	40-500W Incandescent Lights	1000W Incandescent Lights 200W Fluorescent Lights
Range/Angle	360°	11m/360° (mounted 3.6m high)	Detection Angle 8m/180°	Detection Angle 12m/180°
Size (mm)	35Ø	110 Ø x 32H	115H x 73W	75 x 100 x 115
Light On Timer	6s to 5min	10s to 10min	6s to 12min	10s to 10min
LUX	Adj. 5 to 300 LUX	Adj. 5 to 300 LUX	Adj. 5 to 300 LUX	Adj. -5 to 300 LUX
	Passive Infra-Red sensor for automated control • Tiny sensor ball of 35mm Ø • Omni-direction quad element pyro • Cut-out hole size 33mm Ø	Built-in photocell allows automatic operation at night and disable during daylight	• No blind spots • No neutral connection needed • Can replace existing 1 way or 2 way switch	• Complete with wall bracket
Code	OS-465	FL350-3	FL380	OS-462
Volts	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Output	Two loads: L' = 10A for incandescent T1-T2=10A max voltage free contact	1200W/ 5A	3000W Incandescent 1500W Halogen 1500VA Fluorescent (Uncompensated)	Two loads: L' = 10A max T1-T2=10A max voltage free contact
Range/Angle	6m/360° at 2.4m (H)	12m/360°	15m/360° at 1.5-3.5m (H)	6m/360° at 2.4m (H)
Size (mm)	80Ø x 51 / 110 x 53 x 30	73Ø x 73	124Ø x 82	113Ø x 39
Light On Timer	L': 6s - 12min, T1-T2:10s - 30min	5s - 9min	5s-9min	6s - 12min, T1-T2:10s - 30min
LUX	Fully adjustable	Adj. 10-2000LUX	Adj. 3lux-daylight	Fully adjustable
	Flush mount in ceiling. Dual load for light & ventilation. One additional sensor extendable. Code: OS-465S	Ceiling mount fitted like a downlight Cut-out 52 x 52mm	3 x Detector for High sensitivity	Plug in terminal block for easy installation. Dual load switching 4 element sensor for high sensitivity.
Code	OS-181C	JQ26 230VAC JQ26 12VDC	JQ701	JQ43
Volts	230VAC	220-240VAC 12VDC	220-240VAC	220-240VAC
Output	1840W Incandescent 1000W HV Halogen 300VA LV Halogen 400VA Fluorescent	1200W Incandescent load	1000W Incandescent load	150W Incandescent load
Range/Angle	10m/270° at 2.5m(H)	12m/180° at 2m(H)	8m ± 2m/ 360°	8m ± 2m/ 360°
Size (mm)	129 x 80 x 63	220 x 86 x 55	85L x Ø73	64L x Ø45
Light On Timer	6s - 10min	5s - 8min	5s - 8min	5s - 8min
LUX	5lux-2000lux	5lux-2000lux	10 lux - 2000lux	10 lux - 2000 lux
	Can be fitted to wall or ceiling or a corner. Waterproof. Test function.	Fully weather proof and easy to install.	Easy to mount. Cut-out: Ø56.5mm	Easy to mount. Cut-out: Ø40mm

LIGHTING ACCESSORIES

Fluorescent Lamp Holders

Code	PT-C01 (set)	PT-C02	PT-C06	PT-C05	PT-C09 (set)
Type	G13	G13	G13	G5	Slimline

In-line Switches

Rocker				Foot Operated			Latching Pushbutton		
				On/Off switch with 1.5m cable to 2 pin Euro Plug & 1m wire open ended for lamp	Black	White	Black	White	
Code	R-303B	R-303W	R-313W		ZE-127FB	ZE-127FW	ZE-127B	ZE-127W	
	2 Amp 250V	2 Amp 250V	2A 250V		1A 250V		6A 250V		

Hand Operated Table Lamp Dimmers

						Nylon Lamp Holders
White	Black	White	Clear	White	Clear	
KLD-227W	KLD-227G	RT101B	RT101SB	RT101ST	RT81N	CLH14-TH+*
Input: 230VAC Lamp: 230VAC Rating: 200W max		Input: 230VAC Lamp: 230VAC Rating: 60-160W	Input: 230VAC Lamp: 230VAC Rating: 60-160W	Input: 230VAC Lamp: 230VAC Rating: 60-160W	Input: 230VAC Lamp: 230VAC Rating: 60-300W	CLH27-TH+*
						E14 2A 250V
						E27 2A 250V

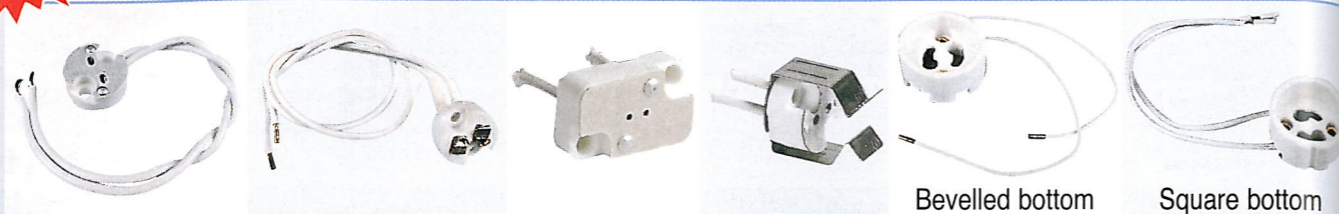
Lamp Holders

Nylon Lamp Holders	Porcelain Lamp Holder	Bakelite Lamp Holder	Ceramic Lamp Holders		
CLH200+*	CLH209A+*	CLH22-1P	CLH200T	CLH27-1P	CLH40-1P
B22	B22	B22	E27	E27	E40
*Add colour to code: ○ WH (White), ● BK (Black)					
Metal Lamp Holders	10mm Entry				
XE2377A	XE2377B	YE317A			
CLH22-10B	CLH22-0B	CLH22-10SW	CLH27-0B	CLH27-10B	CLH14-0B
	B22	B22 (switched)	E27	E27	E14

LIGHTING ACCESSORIES

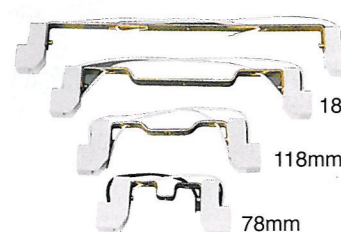
EXTENDED RANGE

Dichroic Lamp Holders

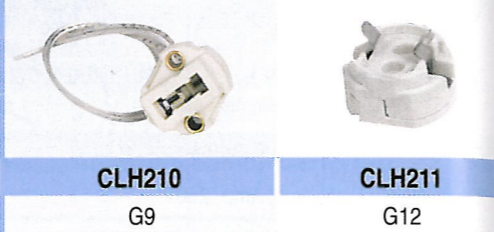


Code	CLH202	CLH205	CLH206	CLH207	CLH208	CLH209
Type	MR16 (G5.3) G4	MR16 (G5.3) G4	MR16 (G5.3)	G4 (G5.3)	GU10	GV10 (GZ10)

Rx7s Lamp Holders



Code	Description
RX7S-78	To accept 78mm. Lamps up to 150W
RX7S-118	To accept 118mm. Lamps 150W-500W
RX7S-189	To accept 189mm. Lamps 1000W
RX7S-254	To accept 254mm. Lamps 1500W



Code	CLH210	CLH211
	G9	G12

Starter Holders

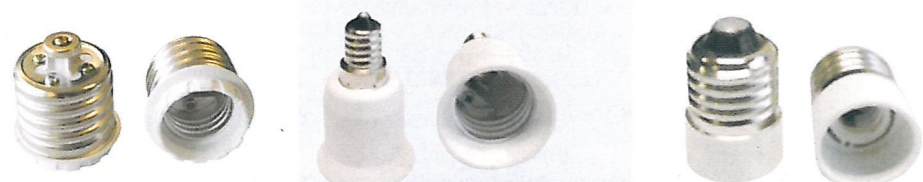


Code	PT-B09	PT-B03	F505-E27	A321	CLH22-BT
Description	-	-	Base Mount E27 100W	Ceiling Mount Pull Switch 10A	B22 Batten-mount lamp holder with 4m cable, on/off switch and battery clamps 70W max

Lamp Holder Adaptors - <500V



Code	LHA-01	LHA-02	LHA-03	LHA-04
Description	B22-E27	E27-B22	E27-E40	E27-GU10
Size (mm)	52 x Ø34	50 x Ø33	80 x Ø47	44 x Ø29



Code	LHA-05	LHA-07	LHA-08	LT5020
Description	E40-E27	E14-E27	E27-E14	Buzzer and LED indication if lamp is in working condition. To test: G13, B15d, G5, G4, Gu5.3, GY6.35, E27, E14, E10
Size (mm)	52 x Ø44	64 x Ø40	44 x Ø29	

Lamp Tester



Buzzer and LED indication if lamp is in working condition. To test: G13, B15d, G5, G4, Gu5.3, GY6.35, E27, E14, E10

LOW VOLTAGE TRANSFORMERS & EMERGENCY KITS

Iron Core Transformers 230V/12VAC complete with fuse. For Halogen Lamps.

Code	Amps @12V	No of Lamps per Transformer		
		50W	35W	20W
L-50VA	4.16A	1	1	2
L-100VA	8.33A	2	2	5
L-150VA	12.5A	3	4	7
L-200VA	16.6A	4	5	10
L-250VA	20.8A	5	7	12
L-300VA	25A	6	8	15
L-350VA	29.16A	7	10	17
L-400VA	33.33A	8	11	20
L-500VA	41.66A	10	14	25



L-Type

Iron Core Transformers 230/12VAC slim type

Code	VA	Amps	Size L x W x H	Protection
TRF-50	50	4.16A	156 x 43 x 35	-
TRF-105	105	8.75A	239 x 43 x 35	-
TRF-56TF	50	4.16A	150 x 43 x 35	Thermofuse



Approved to EN61558-1-7 certified by TÜV

Electronic Transformers for Low Voltage Lamps - Dimmable

Code	Lamp Watts	V-in	V-out	Dimension	Ta	Tc	Hz-in	Hz-out
T-65ET	60W	230-240V	11.5	115x43x29.5	-25 - +50°C	70°C	50-60	34kHz
GF-60*	20-60W	230-240V	11.4	85x41x22.5	-25 - +40°C	65°C	50-60	34kHz
GF-105*	35-105W	230-240V	11.4	146x44x23	-25 - +40°C	75°C	50-60	34kHz
GF-150*	35-150W	230-240V	11.4	166x41x31	-25 - +40°C	75°C	50-60	34kHz
ET210	50-210W	230-240V	11.5	200x43x39	-20 - +50°C	70°C	50-60	34kHz



T-65ET

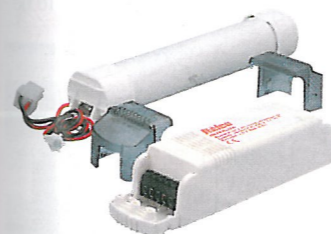


GF-60/105/150

*Conformity: EN61046; EN55015; EN61547; EN61000 & EN50082-1. Surge withstanding capability is 3.75kV. For T-65ET it is recommended to fit M.O.V's V275K14 between the two primary connections and earth!

220-240V Electronic Emergency Inverters for use with Electromagnetic and Electronic Ballasts

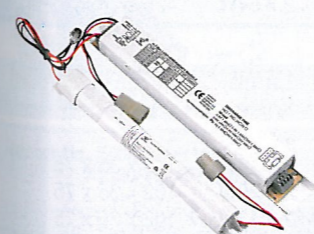
Code	Lamp		Type	Watts	Size L x W x H	Spare Battery	Battery		Output Lumen
	1H	3H					Volts	Ah	
1A186018	3A186040	T8/T5/G23/	18-65W	190x40x35	5KRH23/43	6V	4	38%-10%	
-	RP0701	G24/Gx24/2G11	18-65W	175x41x35	802027	3.6V	4	38%-10%	



*Automatically cycles the battery every 4 weeks. Includes battery and LED battery indicator. Provides power to all fluorescent lamps during power failure to provide a suitable level of illumination for evacuation. Can be used for maintained and non-maintained illumination conversions.

220-240V Combined Electronic Ballast and Emergency Inverter

Code	Lamp Type	Output Watts	Lumen	Size L x W x H	Spare Battery						
					1H	V	Ah	3H	V	Ah	
DT-18E-1H	DT-18E-3H	T8	18W	38%	288x30x40	3KRH23/43	3.6	1.8	3KRH33/62	3.6	4
IT-36E-1H	IT-36E-3H	T8	36W	18%	425x30x38	4KRH23/43	4.8	1.8	4KRH33/62	4.8	4
IT-58E-1H	IT-58E-3H	T8	58W	10%	425x30x38	5KRH23/43	6	1.8	5KRH33/62	6	4
IT-54E-1H	IT-54E-3H	T5	54W	10%	425x30x38	5KRH23/43	6	1.8	5KRH33/62	6	4



220-240V Emergency Inverters for PL 26W lamps

Code	Description
HT-PL26W	3 hour emergency duration kit for PL26W lamp (single lamp)



Application

PROFESSIONAL ELECTRONIC BALLASTS

Standard Ballasts

180-264V Electronic Ballast for T8 and T5 lamp rapid start non-dimmable. EEI - A2.

Single Tube Code T8	Watts	Dimensions (mm) L x H x W	Double Tube Code T8	Lamp Watts	Dimensions (mm) L x H x W
*L-18E	18W	225 x 28 x 30	*L2-18E	18W	225 x 28 x 30
*L-30E	30W	225 x 28 x 30	*L2-30E	30E	225 x 28 x 30
*L-36E	36W	225 x 28 x 30	*L2-36E	36W	225 x 28 x 30
*L-58E	58W	225 x 28 x 30	*EBT-265	58W	225 x 28 x 30
SIS118-40	18-40W	360 x 30 x 26	SI218-40	18-40W	360 x 30 x 26

* For 110V add voltage to end of code eg: L-18E/110VAC

T8 3 Lamp

EBT-318	3 x 18W	305 x 28 x 38
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T8 3 or 4 Lamp

L4-18E	4 x 18W	305 x 28 x 38
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T5 Single Lamp

Code	Watts	Dimensions (mm) L x H x W
5L-14E	14W	225 x 28 x 30
5L-21E	21W	225 x 28 x 30
5L-28E	28W	225 x 28 x 30
SIS114-35	14-35W	360 x 30 x 26

T5 Double Lamp

Code	Lamp Watts	Dimensions (mm) L x H x W
5L2-14E	2 x 14W	285 x 28 x 30
5L2-21E	2 x 21W	285 x 28 x 30
5L2-28E	2 x 28W	285 x 28 x 30
SI214-35	2 x 14-35W	360 x 30 x 26

Dimmable Ballasts for Fluorescent Lamps

180-264V Linear Electronic 1% - 100% Dimmable Ballast: 1-10V control 0.25mA - CFLs: EEI-A1

Single Code	Lamp Wattage	Double Code	Lamp Wattage	Lamp Type	Dimensions (mm) L x H x W
SD118-40	18 - 36W	SD218-40	2 x 18 - 36W	T8	360 x 30 x 26
SD154-58	54 - 58W	SD254-58	2 x 54 - 58W	T5/T8	360 x 30 x 26
SD149	49W				

• Power factor: 0.98 • Ambient operating temperature (ta) 0°C - +50°C & max. case temperature (tc) 75°C. To be used in conjunction with dimmer module DS2F or EP1

Dimmer Module

Code	Type of Control	Outputs	Max Power	Dimensions (mm)
DS2F	Push Button Control	2 Sets	250VA	118 x 40 x 25
EP1	Potentiometer	1 Set	250VA	-

Maximum switching power: 250VA = max. 20 Ballasts synchronized simultaneously

180-264V Compact Electronic 2% - 100% Dimmable Ballast: 1-10V control 0.25mA - CFL's: EEI-A1*

Single Code	Lamp Type	Lamp Watts	Double Code	Lamp Type	Lamp Watts	Dimensions (mm)
TD118	PLC/PLE	18W	TD218	PLC/PLE	2 x 18W	123 x 78 x 305
TD126-42	PLC/PLCE	26-42W	TD226-42	PLC/PLCE	2 x 26-42W	123 x 78 x 305

• Power factor: 0.98. • Ambient operating temperature (ta) 0°C - +50°C & max. case temperature (tc) 75°C. To be used in conjunction with dimmer module DS2F or EP1

180-264V Compact Ballast for T8 and T5 Lamp Pre-head Start Non-Dimmable

Single Lamp Code T8	Watts	Dimensions (mm) L x H x W	Double Lamp Code	Lamp Watts	Dimensions (mm) L x H x W
IC-36E	36W	365 x 28 x 30	IC2-18E	2 x 18W	365 x 28 x 30
IC-58E	58W	365 x 28 x 30	IC2-36E	2 x 36W	425 x 28 x 36
			IC2-58E	2 x 58W	425 x 28 x 36

T5 Double Lamp

Code	Lamp Watts	Dimensions (mm) L x H x W	Code	Lamp Watts	Dimensions (mm) L x H x W
5IC-24E	24W	365 x 28 x 30	5IC2-24E	2 x 24W	425 x 28 x 36
5IC-28E	28W	365 x 28 x 30	5IC2-28E	2 x 28W	425 x 28 x 36
5IC-54E	54W	365 x 28 x 30	5IC2-54E	2 x 54W	425 x 28 x 36

220-240V Electronic Ballast for Compact PL and PLC Lamps

Single Lamp Code	Lamp Watts	Dimensions (mm) L x H x W	Double Lamp Code	Lamp Watts	Dimensions (mm) L x H x W
LP-13E	7-13W	102 x 30 x 67			
LP-18E	18W	102 x 30 x 67	LP2-18E	2 x 18W	102 x 35 x 75
LP-26E	26W	102 x 30 x 67	LP2-26E	2 x 26W	102 x 35 x 75
LP-42E	42W	102 x 30 x 67	LP2-42E	2 x 42W	102 x 35 x 75

180-264VAC Digital Electronic Ballast for Metal Halide Lamps (HID)

Code	Rated Current	Lamp Wattage	Starting V	Dimensions (mm)
SH35	0.18A	35W	3.5kV	123 x 78 x 30.5
SH70	0.36A	70W	4.5kV	123 x 78 x 30.5
SH150I	0.70A	150W	4.5kV	175.4 x 88 x 36
SH150*	0.70A	150W	4.5kV	175.4 x 88 x 36

*For SH150 - Ballast with separate ignitor enables ballast placement 30m from lamps.
• Supply Voltage: 180-264VAC • Ambient temperature (ta) -15°C - +50°C & max. case temperature 75°C

LIGHTING EQUIPMENT

Ballast for Mercury Vapour Lamps 230V 50Hz

Code	Watts	Amps	Size L x W x H	Capacitor Required
Q80-612.2	80W	0.8A	112 x 66 x 53	8µF
Q125-613.2	125W	1.15A	112 x 66 x 53	10µF
Q250-614.6	250W	2.13A	144 x 66 x 53	18µF
Q400-615.8	400W	3.25A	180 x 66 x 53	25µF

Ballast for High Pressure Sodium (HPS) and Metal Halide (MH) Lamps 230V 50Hz

Code	Watts	Amps	Size L x W x H	*Capacitor Required	For Lamp Type
SM70.2	70	1A	112 x 66 x 53	12µF	HPS/MH
SM100.2	100	1.2A	114 x 66 x 53	12µF	HPS/MH
SM150.2	150	1.8A	144 x 66 x 53	20µF	HPS/MH
SM250.2	250	3.0A	180 x 66 x 53	30µF	HPS/MH
SM400.2	400	4.6A	114 x 102 x 92	45µF	HPS/MH
M400.2	400	3.5A	180 x 66 x 53	45µF	MH
M1000.2	1000	8.2A	203 x 102 x 92	60µF	MH
B400S	400	4.4A	133 x 102 x 92	45µF	HPS
B1000S	1000	10.3A	203 x 102 x 92	100µF	HPS

Ballast for Tubular or Compact Fluorescent Lamps 230V 50Hz.

Code	Lamp	Watts	Size L x W x H
FL20	T8	18-26W	155 x 41 x 28mm
FL40	T8	1x36W or 2x18W	155 x 41 x 28mm
FL65	T8	58-65W	195 x 41 x 28mm
BS-903-30	T8	70-100W	246 x 41 x 27mm
FC9	PL	7/9/11W	100 x 41 x 26mm
CB-508	PL	13/18W	95 x 41 x 28mm
CB800-26	PL	26W	155 x 41 x 28mm
CB800-42	PL	42W	155 x 41 x 28mm

Electronic Ballast Lamp Holder

DEB-G182	PLC, PLCE (G24q, GX24q)	9-18W	φ40 x 50 mm
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Ballast for PL-Lamp c/w Holder

CLB313	PL	155 x 41 x 18mm
CLB318	PL	155 x 41 x 18mm

Control (Plastic) Box for PL-Lamp

Code Magnetic	Watts	Size	Code Electronic
CBP-213	2 x 13W c/w 3.25MF cap	254 x 52 x 100mm	EBP-214
CBP-218	2 x 18W c/w 4MF cap	254 x 52 x 100mm	EBP-218
CBP-226	2 x 26W c/w 8MF cap	254 x 52 x 100mm	EBP-226

Ignitors for High Pressure Sodium and Metal Halide Lamps 220-240V 50/60Hz

Code	Type	Watts	Pick V.	Amps	°C	Size L x Ø
CD-7	Superimposed 3 Wire	35-400	3-4.5kV	1.8	105	90 x 35mm
CD-10	Superimposed 3 Wire	600-1000	3-4.5kV	1.8	105	90 x 35mm
CD-20	Superimposed 3 Wire	250-2000	3-4.5kV	1.8	105	45 x 35mm

Enclosed Control Gear C/W Ignitor, Capacitor and Ballast for HPS & MH

UR70.20	70	1	245 x 120 x 70mm
UR100.20	100	1.2	245 x 120 x 70mm
UR150.20	150	1.8	245 x 120 x 70mm
NB150GB (for metal halide only)	150	1.8	245 x 120 x 70mm

Linear Fluorescent Lamp Starters

Code	Wattage	Voltage	Description
FST2	4-25W	110-220V	To be used with 2 x 18W Tube, single 40W ballast luminaire
FST4	4-85W	220-240V	-

*Electronic Fluorescent starter - 10 year life span - more than doubles the lamp life when using OKOSTART. Absolute flicker free and smooth start. • No more black spots at the end of the tubes. • Reduces costs for replacement of tubes.

Code	Wattage	Voltage	ta - C	Preheat	Shutdown	Pulse
KO6*	4-125W	200-260V	-25 - +85	3.0 sec	4.0 sec	1.5kV Normal applications
KO-FR*	4-125W	200-260V	-40 - +85	2.3 sec	3.0 sec	1.5kV Low temperatures
KO-TU*	4-65W	200-260V	-5 - +85	0.4 sec	1.0 sec	1.5kV Rapid start applications

To be used with 2 x 18W single ballast luminaire

KO2*	4-22W	110-260V	-25 - +85	2.8 sec	3.5 sec	1.5kV
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*For Capacitors see page 186-187.



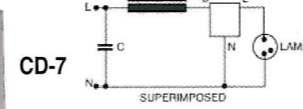
DEB-G182



CLB318



CBP



CD-7



UR150.20

Report No. EMI/2316/Y1022A & B
2330/YE1457A & B



FST2 & 4

KO6

KO2

KO-FR

DIMMERS & TRANSFORMERS

Built-in Dimmer, Low Voltage Transformers & Scene Controller

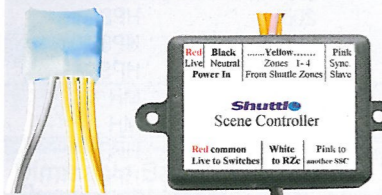
- 70 Watt Dimmable Transformer 230/12VAC for low voltage downlights
- Dimming without a dimmer (and none of the negatives associated with phase dimmers)
- Multiple Zone design and control
- No load limit
- Scene setting ability with the programmable unit



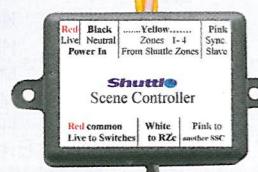
SH-70VA.2



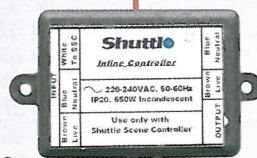
SH-70VA



SH-MZC
SH-RZC



SH-SSC



SH-SIC

Code Description

- SH-70VA.2** Transformer and Dimmer (without a separate dimmer) 230/12VAC 70W Transformer/Dimmer. All that is required is an external on/off push switch (not supplied). To be used as a stand alone unit (see diagram A)
- SH-70VA** Transformer/Dimmer 230/12VAC 70W, dimmer with presets. This is all that is needed for the manual lighting control system. To be used for multi zone and scene control (see diagram B)
- SH-MZC** Multi zone control module, only works with the manual lighting control systems and provides master override on the dimming zones (4 zones + master). See diagram B. (4 wires)
- SH-SSC** Scene Controller. Connected to the Shuttle Transformers, it provides a fully programmable and automated lighting control system and can control 768 Shuttle Transformers (about 53kW of light)
- SH-RZC** Scene Controller Splitter. Works with the Scene Controller and can also provide two or more way switching. See diagram C. (5 wires), only two wires to the switch (4 zones + master)
- SH-SIC** In Line 230V Controller. Controls any 230VAC incandescent lamps, 550W and works with either the manual or automated lighting control system

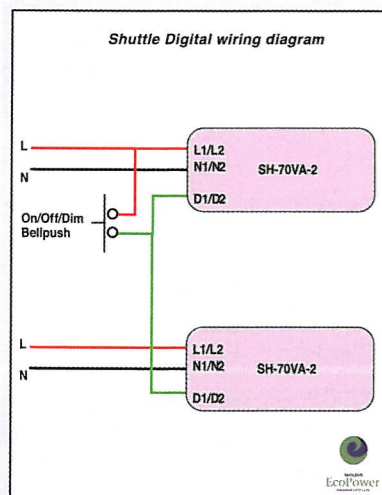


Diagram A

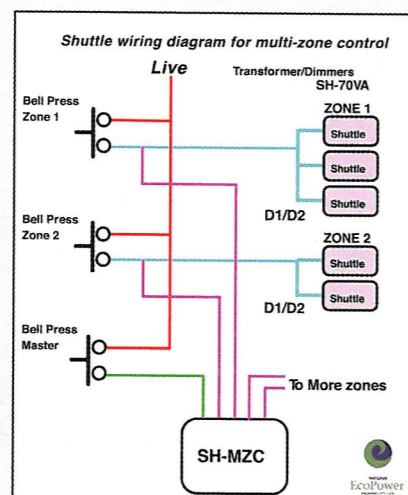


Diagram B

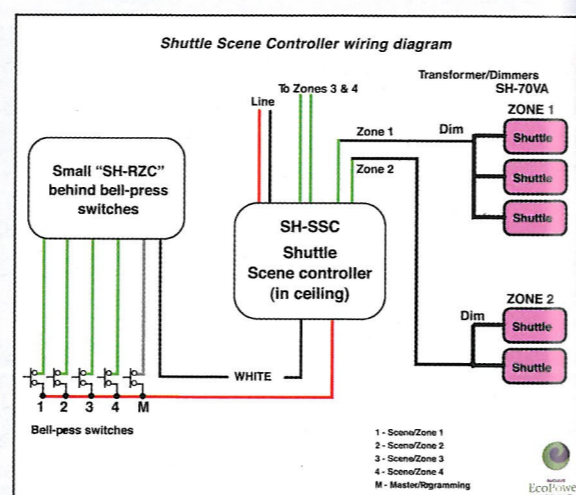
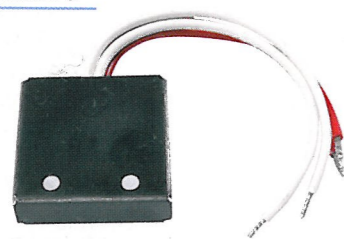


Diagram C

Dimmers



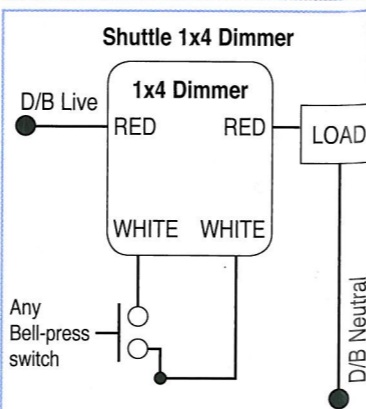
Watts	Amps	Code
500W	2.1A	DM-500W
800W	3.3A	DM-800W

Wiring must be done by a qualified electrician in compliance with the local code of practice. Internal use only. Three year carry-in to the distributor warranty. Install behind switch.

Features

- 300/500/800W 230V Resistive or Inductive (Low Voltage Transformers).
- Mini Load 10 Watt no flickering.
- Short Circuit, overload and thermal protection.
- Fitting into standard 4 x 2 boxes (for boxes see page 232).
- Make your own Dimmer with your choice of plates, see pages 280-286 for switches and plates.
- Leading or trailing edge (selectable) Dimming method, use trailing edge dimming for low transforming noise.
- Dimming up and down or 4-preset levels (programmable).
- Fade turn on/off delay (programmable) 0-10mins.
- 12V low voltage and/or 220V up to maximum rating of the unit. Not for use with fluorescent or compact fluorescent.
- Easy to install – any of the red wires can be connected to load or mains and white wires to the bell press.

Wiring Diagram for Dimmer



Two-way switching. White and White to other location/s.

ADVERTISING PRODUCTS



How to change graphic>>



LED Slim Lightbox Frame natural anodised • Supply volts 230VAC

Code	Frame Size	Picture Size	Power
YR-IA4	327mm x 240mm	297mm x 210mm	2W
YR-IA3	450mm x 327mm	420mm x 297mm	4W
YR-IA2	624mm x 450mm	594mm x 420mm	8W
YR-IA1	871mm x 624mm	841mm x 594mm	10W
YR-IA0	1219mm x 871mm	1189mm x 841mm	16W

Frame width: 19mm • Frame thickness: 15mm • Frame clips open to allow for changing of graphics

A4 Desktop Crystal Lightbox

Supply volts 230VAC. Frame: Natural Anodised



Code	YR-C-A4A	YR-C-A4B
Frame Size	397mm x 310mm	397mm x 310mm
Picture Size	287mm x 200mm	287mm x 200mm
Power	2.4W	2.4W

YR-C-A4A c/w a Battery Box (4 x AA - not incl.)
The Crystal LED lightbox consists of an acrylic panel with LED back lights, only 8mm thick. Ultraviolet and Age Resistant.

Single-Side Crystal Lightbox

Supply volts 230VAC. Frame: Natural Anodised



Code	YR-C-A3	YR-C-A2	YR-C-A1
Frame Size	520mm x 397mm	694mm x 520mm	941mm x 694mm
Picture Size	420mm x 297mm	594mm x 420mm	841mm x 594mm
Power	4.8W	9.6W	12W

The Crystal LED lightbox consists of an acrylic panel with LED back lights, only 8mm thick. Ultraviolet and Age Resistant.

Double-Sided Crystal Lightbox Supply volts 230VAC. Frame: Natural Anodised



Code	Frame Size	Picture Size	Weight	Power
YR-C2-A2	694mm x 520mm	594mm x 420mm	6.8kg	9.6W
YR-C2-A1	941mm x 694mm	841mm x 594mm	11.8kg	12W

A unique LED lighting panel which transfers an equal amount of light in all directions. To be mounted with special hanging kits which are elegant and convenient to mount.

Crystal Magic Mirror LED light source • Supply volts 230VAC



Glass Magic Mirror LED light source • Supply volts 230VAC



Frame: Natural Anodised

Code	Frame Size	Picture Size	Weight	Code	Frame Size	Picture Size	Weight
YR-MR-05	Ø520mm	450mm	3kg	YR-MR-01	580mm x 430mm	500mm x 350mm	5kg
				YR-MR-02	780mm x 580mm	700mm x 500mm	9kg

When a person stands in front of the lightbox, it acts as a mirror. If the person moves away the lightbox displays the advertisement. Function can be reversed.

LARGE LED DISPLAYS



PH4



PH10

Code	PH4	PH6	PH-10-IN/PH-10	PH12	PH16
Pixel Pitch	4mm	6mm	10mm	12mm	16mm
Pixel Density	62 500 dots/m ²	27 777 dots/m ²	10 000 dots/m ²	6944 dots/m ²	3906 dots/m ²
Configuration	1R1G1B	1R1G1B	1R1G1B	2R1G1B	2R1G1B
LED Drive	1/8 scan	1/8 scan	1/4 scan	1/4 scan	static state
Viewing Angle	145/120° (H/V)	145/120° (H/V)	145/120° (H/V)	110/45° (H/V)	110/45° (H/V)
Best Viewing Distance	4-31m	6-45m	10-75m	12-100m	16-130m
Module Size	128 x 128mm	192 x 192mm	320 x 160mm	192 x 192mm	256 x 128mm
Modules/ Cabinet	16	20	24	24	24
Cabinet Size	512 x 512mm	960 x 768mm	1280 x 960mm	1152 x 768mm	1024 x 768mm
IP Rating	IP31/Indoor	IP31/Indoor	IP31 or IP65	IP65/Outdoor	IP65/Outdoor

Many different options are available. Modules for viewing between 4 and 400m can be sourced. Please note: Pricing for these items is project based. Please contact one of our sales team with the specifications of your application and we will work out a solution to meet your requirements.

FESTIVE LIGHTS

EXTENDED RANGE



Flexi-Star Indoor/Outdoor TREE LIGHTS (28 000 hours) 240V

Code	Colour of Bulb	No. of Channel	Length	No. of Bulbs	Controller Included	Power
FS2-160C-5*	Clear	2	5m	160	8 Function	96W
FS4-160C-5*	Clear	4	5m	160	16 Function	96W
FS2-160R-5*	Red	2	5m	160	8 Function	96W
FS2-160B-5*	Blue	2	5m	160	8 Function	96W
FS2-160M-5*	Multi	2	5m	160	8 Function	96W
FS2-320C-10*	Clear	2	10m	320	8 Function	68W
FS4-320C-10*	Clear	4	10m	320	16 Function	68W
FS2-320M-10*	Multi	2	10m	320	8 Function	68W

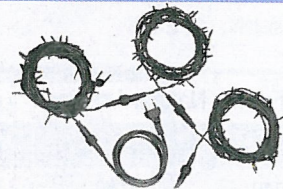
*Add colour of wire to code: ● GN (Green), ○ W (White), ○ T (Transparent)

Controller **WL-310B** with memory. For outdoor use, controller to be mounted in weatherproof box (25 000 Hours) 240V Indoor use only. Green Wire



Code	Length	No	W (total)	Controller Includes	Code
MTL-96B-6M-C	6m	96	37W	8 Function	MTL-96B-6M-M
MTL-144B-9M-C	9m	144	66W	8 Function	MTL-144B-9M-M
MTL-180B-10M-C	10m	180	104W	8 Function	MTL-180B-10M-M
MTL-120B-13M-C	13m	120	55W	8 Function	-

MTL-C Spare Controller. For outdoor use, controller to be mounted in weatherproof box

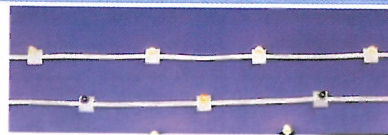


Extendable Flexi-Star Indoor/Outdoor, excluding controller

Code	No. of Bulb	Length	Bulb Specification	Power Consumption	Max. Extendable Set
RS2-80C-6*	80	6m	6V 0.10A 0.60W	48.0W/Set	20 Sets
RS2-160C-12*	160	12m	3V 0.07A 0.21W	33.6W/Set	30 Sets

*Add colour of wire to code: ● GN (Green), ○ W (White), ○ T (Transparent)

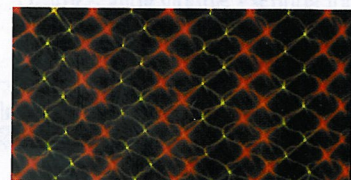
Controller: **WL-310B-RS2** 1.2A (160W) **IP44**



Clip Light (Tree Light) • Clear bulbs • No controller, static only. **IP44**

Code	Length	Power	Clear bulbs
CLT-10G-24V	10m Green cable	100 bulbs c/w transformer	24V/1W
CLT-100G-24V	100m Green cable	666 bulbs no transformer	24V/1W
CLT-10C-24V	10m Clear cable	100 bulbs c/w transformer	24V/1W
CLT-100C-24V	100m Clear cable	666 bulbs no transformer	24V/1W

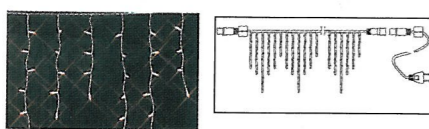
Net Light **IP44**



Code	Colour of Bulbs	Size	No of Bulbs	Watts	8 Function Controller	Code
NL-288-C-G	Clear	1.5 x 2m	288	96W	Included	NL-288-C-T
NL-432-C-G	Clear	1.5 x 3m	432	115W	Included	NL-432-C-T
NL-288-M-G	Multi	1.5 x 2m	288	96W	Included	NL-288-M-T
NL-432-M-G	Multi	1.5 x 3m	432	115W	Included	NL-432-M-T

*For outdoor add 'OD' to code. eg **ODNL-432-C-B** (Black wire)

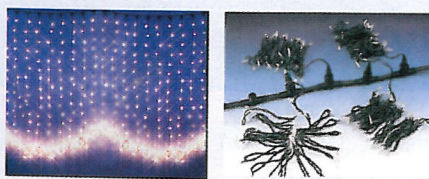
Icicle Light (30 000 Hours) 240V Indoor use only. **IP44** extendable



Code	No. of Channel	Length	No. of Bulbs	Power	Controller
FI1-60C-1.7*	1	1.7m 0.5m	60	24	Excluded
FI1-90C-2.5*	1	2.5m 0.5m	90	45	Excluded
FI1-240C-5*	1	5m 1m	240	62	Excluded
FI4-240C-5*	4	5m 1m	240	120	8 Function

*Add colour of wire to code: ● GN (Green), ○ W (White), ○ T (Transparent)

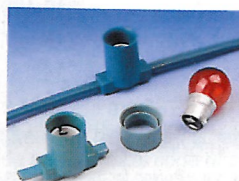
Curtain Light (30 000 Hours) Indoor use only. **IP44** black wire



Code	Curtain Width x Drop	No of Strings	Lamps per String	W (total)	Extendable Sets Max	Controller Excluded
FC3C-20-2/1*	2 x 1.0m	20	36	332W	10	WL-310C-FC3C
FC3C-20-2/1.5*	2 x 1.5m	20	36	332W	10	(2.2A) 506W IP44
FC3C-20-2/3*	2 x 3m	20	36	332W	10	WL-310G-FC3C
FC3C-20-2/5*	2 x 5m	20	36	332W	10	(2.2A) 506W IP55
FC3C-20-2/10*	2 x 10m	20	36	332W	10	WL-3C-FC3C
CLS-2X6M	2 x 6m	24	74B	570W	-	WL-3C-FC3C
CLS-2X9M	2 x 9m	24	111B	691W	-	(8A) 1840W IP44

*Add colour of wire to code: ● GN (Green), ○ W (White)

Belt Light (Special illumination cable C/W lampholder, green cable)



Code	Length	Lamp B22	No	Watts	Lamp Spacing	Controller Code
BL-9-B22	9m	B22-15*	20	15W	45cm	N/A
BL-15-B22	15m	B22-15*	40	15W	37.5cm	N/A
BL-100-B22	100m	B22-15*	200	15W	70cm	N/A
BL5-20-E27	20m	E27-15	100	15W	20cm	PL-5C
BL5-20-B22	20m	B22-15	100	15W	20cm	PL-5C

*5 Wire Belt Light for special effects. Lamps excluded.

*Add lamp colour to code: ○ C (Clear), ● Y (Yellow), ● BL (Blue), ● GN (Green), ● O (Orange), ● P (Purple), ● R (Red).

ROPE LIGHTS & CONTROLLERS

EXTENDED RANGE

13mm Ø Flexilights with Non Fuse Lamps (when one lamp is defective a section of lamps will go off)

13mm Ø Flexilights with Fuse Lamps (when one lamp is defective, only that lamp will go off without affecting a section of lamps)

• 30 000Hrs • 16.5W/M • UV resistant • 240VAC • **IP65**

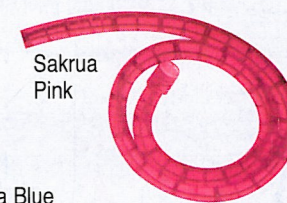
Colour	Type of Lamps	2 Wire Steady/Flashing With Fuse Lamps	2 Wire Chasing With Fuse Lamps	3 Wire Chasing With Fuse Lamps	4 Wire Group Chasing With Fuse Lamps
Clear	○	IF-2*-C	DI2C*-C	IF-3*-C	IF-4*-C
Red	●	IF-2*-R	DI2C*-R	IF-3*-R	IF-4*-R
Green	●	IF-2*-G	DI2C*-G	IF-3*-G	IF-4*-G
Blue	●	IF-2*-B	DI2C*-B	IF-3*-B	IF-4*-B
Yellow	●	IF-2*-Y	DI2C*-Y	IF-3*-Y	IF-4*-Y
Orange	●	IF-2*-OR	-	IF-3*-OR	IF-4*-OR
Neon Green	●	IF-2*-NG	-	IF-3*-NG	IF-4*-NG
Neon Orange	●	IF-2*-NO	-	IF-3*-NO	IF-4*-NO
Pink	●	IF-2*-PK	-	IF-3*-PK	IF-4*-PK
Purple	●	IF-2*-P	-	IF-3*-P	IF-4*-P
Mixed (R, G, Y, B)	●	IF-2*-M	DI2C*-M	IF-3*-M	IF-4*-M
Aqua Blue	●	IF-2*-AB	-	IF-3*-AB	IF-4*-AB
Sakura Pink	●	IF-2*-SP	DI2C*-SP	IF-3*-SP	IF-4*-SP

*Add Length: 10m or 50m.

Bulb Specification: 36 bulbs/metre 6.5V 0.07A, 0.46W

Crystal Clear Flexlights (10m)

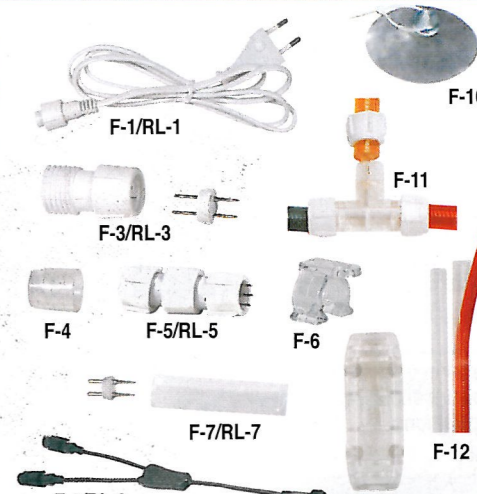
Colour	Type of Lamps	Code
Clear	○	IF2C-10C
Mixed (R, G, Y, B)	●	IF2C-10M
Aqua Blue	●	IF2C-10AB



All 10m Flexilights are supplied complete with mains cords, end cap and connector.
All 50m Flexilights are supplied with 3 x mains cords, 3 x end caps & 3 x connectors.
Controllers to be ordered separately (see below).

Accessories 13mmØ

Description	Code 2 Wire	Code 3 Wire	Code 4 Wire
Mains cord c/w connector	F-1	RL-1	Q-1
Powercord connector	F-3	RL-3	Q-3
End cap	F-4	F-4	F-4
Flexilight Coupling (splice connector)	F-5	RL-5	Q-5
Mounting clip	F-6	F-6	F-6
Easy Splice connector with shrink tube	F-7	RL-7	Q-7
Y Cord to join 3 lengths	F-9	RL-9	Q-9
Suction Cups	F-10	F-10	F-10
T Connector	F-11	RL-11	Q-11
PVC Channel – clear, 1 metre length	F-12	F-12	F-12
Waterproof Coupling (splicing kit) to be filled with Silicon	F-14	RL-14	Q-14
Glue	F-28	F-28	F-28



Controllers 240VAC

Description	Speed Adj.	Function	Max Loading	Max Amps	Code 2 Wire	Code 3 Wire	Code 4 Wire
Indoor IP44	Yes	Flashing	17m	1.2A	WL-220	-	-
Indoor IP44	Yes	Chasing	17m	1.2A	-	WL-310	WL-410
Indoor IP44	Yes	Flashing	30m	2.2A	WL-210C	-	-
Indoor IP44	Yes	Chasing	30m	2.2A	-	WL-310C	WL-410C
Indoor IP44	No	8 Function w/mem	12m	1.2A	WL-310B-DI2C	WL-310B	WL-410B
Indoor IP44	Yes	Static, Flashing	100m	8A	WL-2C	-	-
Indoor IP44	Yes	Static, Flashing	100m	8A	WL-2C-2P*	-	-
Indoor IP44	Yes	6 Function chasing	100m	8A	WL-3C-DI2C	WL-3C	WL-4C
Indoor IP44	Yes	6 Function chasing	100m	8A	-	WL-3C-2P*	WL-4C-2P*
Outdoor IP55	Yes	8 Function	17m	1.2A	-	WL-310K	-
Outdoor IP55	No	8 Function	30m	2.2A	-	WL-310G	-
Outdoor IP55	No	16 Function	25m	1.8A	-	WL-318	-



* With 2 Output Connectors for controlling 2 Flexilights, max 100m total length.

ROPE & FIREWORK FLEXILIGHTS

10mm Ø Flexilight (with fuse lamps) IP65

2 Wire
(Steady/Flashing)
10m

- Clear ○
- Red ●
- Green ●
- Yellow ●
- Mixed (R, G, Y, B)

Mini controller for 10m IP44

Above Flexilights are supplied complete with mains cords, end cap and connector.

Controller to be ordered separately see page 331.

F10-4 Spare End Cap for 2-wire
10mm diameter Flexilight

F1-4 Mains Cable c/w Connector



13mm Ø Special Flexilight IP65 • 230V. (Controller (IP44) to be mounted in weatherproof box)

Colour 3 Wire (3 Colour Chasing)
10m c/w controller

- Red, White, Yellow & Blue ● ○ ● ●
- Clear ○

RL-3W-10M

RL-3W-10C

Above Flexilights are supplied complete with mains cords, end cap, connector and 8 function controller.

Colour 2 Wire 3-Colour 10m c/w
multi-function controller

- Red, Green, & Blue ● ● ● ○

RL-2W-CH

Above Flexilights are supplied complete with mains cords, end cap, connector and 8 function controller.

Rectangular Flexilight 11mm(H) x 18mm(W) with fuse lamps IP65

Colour	11mm 18mm	2 Wire Steady/Flashing	11mm 18mm	3 Wire Chasing
Clear	○	SF2M-*C	○	SF3M-*C
Red	●	SF2M-*R	●	SF3M-*R
Green	●	SF2M-*G	●	SF3M-*G
Aqua Blue	●	SF2M-*AB	●	SF3M-*AB
Yellow	●	SF2M-*Y	●	SF3M-*Y
Neon Green	●	SF2M-*NG	●	SF3M-*NG
Neon Orange	●	SF2M-*NO	●	SF3M-*NO
Mixed (R, G, B, Y)	●	SF2M-*M	●	SF3M-*M

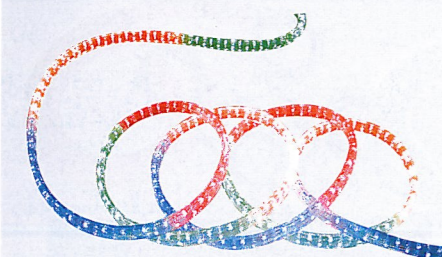
*Add length to code: 10m or 50m

Above Flexilights are supplied complete with mains cords, end cap and connector.

Accessories

Description	Code 2 Wire	Code 3 Wire
Mains Cord and Connector	SF2-1	SF3-1
End Cap	SF2-3	SF3-3
Coupling (splice connector)	SF2-4	SF3-4
Mounting Clips (plastic)	SF2-5	SF3-5
*Controller for 10m Indoor	WL-220-R	WL-310-R
*Controller for 100m Indoor	WL-2C-R	WL-3C-R

*Controller to be mounted indoors or in a weatherproof box

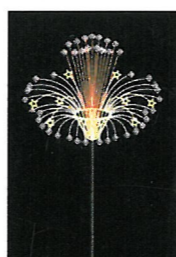


Flexi-Firework is composed of segments of Hollow Flexilight and Flexi-Star fixed on a metal frame. It spreads out at the top of the pillar to create fantastic firework effects. In recent years, Flexi-Firework has become popular all over the world for celebrations, and festive purposes in both small and large scale applications.

Description	Max. Height of Luminary	Max. Ø of Luminary	Power Consumption 220V-240V	Code
Fountain	2.4m	4.5m	3550W	FA-FW-003-M
Tempting Goddess	3.25m	3m	2450W	FA-FW-004-M
Jellyfish Star	2.1m	3.8m	2930W	FA-FW-005-M
Star War	2.5m	3m	3550W	FA-FW-006-M
Starlit Night	4.5m	4.5m	4650W	FA-FW-007-M
Forest	2m	4.5m	3550W	FA-FW-008-M
Dream	2.3m	2.6m	2750W	FA-FW-009-M
Star Fountain	2m	3m	900W	YF-B6014
Festival	2m	3m	900W	YF-B6016



FA-FW-004M



FA-FW-003M



FA-FW-007M



FA-FW-009M



FA-FW-005M

Pole sold separately:

Code FA-POLE
3m x 75mm Ø



FA-FW-006M



YF-B6016



YF-B6014

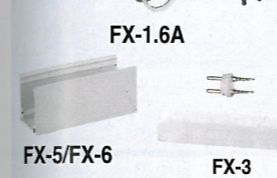
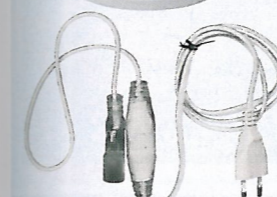
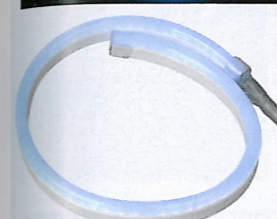


FA-FW-008M

LED NEON FLEX LIGHTS

LED-Neon Flex 240VAC - Size 27.5mm (H) x 14mm (W)

LED-NEON®-FLEX is a novel and professional linear lighting device for many applications. It looks like glass neon, but is much more flexible. This product offers breakage and moisture resistance and is perfect for indoor and outdoor lighting applications. LED-NEON®-FLEX is comprised of a line of LEDs with high brightness encased in a unique PVC jacket. As a result of our proprietary optical technology, this elaborately designed jacket can greatly enhance the intensity and uniformity of the light. Due to its proprietary materials and structure, LED-NEON®-FLEX is, as the product's name suggests, flexible, durable, and virtually impregnable. It can be widely used for architectural decoration, cove lighting, embedded in a floor or ceiling, product accent, signage, P-O-P, etc...



Colour	Code	Watts/Metre	Cutting Mark	Max. length with the following converters		
				1.6A	4A	10A
○ Super Bright White 6000K	LNFX-*SB-240V	6.6	0.91m	58m	146m	362m
● Red	LNFX-*R-240V	4.7	1.52m	58m	146m	362m
● Blue	LNFX-*B-240V	6.6	0.91m	58m	146m	362m
● Green	LNFX-*G-240V	6.6	0.91m	58m	146m	362m
● Orange	LNFX-*O-240V	4.7	1.52m	58m	146m	362m
● Yellow	LNFX-*Y-240V	4.7	1.52m	58m	146m	362m
● Red, ● Green, ● Blue	LNFX-*M-240V	6.6	0.91m	58m	146m	362m

*Add Length to code: 5m, 10m, 50m

• 5/10 metre is supplied with: 1 power cord; 1 x 1.6A converter 240VAC/24VDC; 1 x middle joint connector; 1 x end cap; 5pcs aluminium mounting clips. • 50 metres supplied as 5 & 10 metres x 5

Accessories

Code	Description	Code	Description
FX-1.6A	Power Cable 1.5m with 1.6A converter + 2 pin plug	FX-3	Coupling with Shrink Tube (joining kit)
FX-4A	Power Cable 1.5m with 4A converter + 2 pin plug	FX-4	End cap
FX-10A	Power Cable 1.5m with 10A converter + 2 pin plug	FX-5	Mounting Aluminium clip 30mm
		FX-6	Mounting Aluminium rail 2m long

Mini LED-Neon Flex Colour Jacket

Size 24mm H x 11mm W

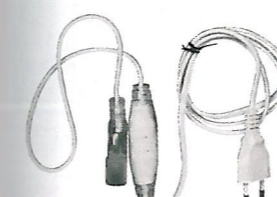
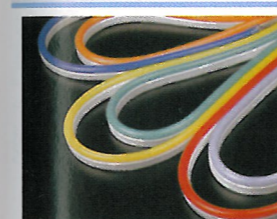
Colour	Code	Watts/Metre
● Red	MLN-FX-*R-240V	3.9W 1.52m
● Blue	MLN-FX-*B-240V	4W 0.91m
● Green	MLN-FX-*G-240V	4W 0.91m
● Orange	MLN-FX-*O-240V	3.2W 1.52m
● Yellow	MLN-FX-*Y-240V	3.2W 1.52m

*Add Length to code: 10m, 50m

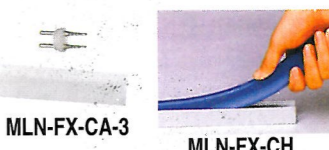
• 10 metre is supplied with:
1 power cord;
1 x 1.6A converter 240VAC/24VDC;
1 x middle joint connector;
1 x end cap;
5pcs aluminium mounting clips
• 50 metres supplied as 10 metres x 5

Accessories

Code	Description
MLN-FX-CA-1.6A	Power cable 1.5 metre with 1.6A converter + 2 Pin plug
MLN-FX-CA-4A	Power cable 1.5 metre with 4A converter + 2 Pin plug
MLN-FX-CA-3	Coupling with shrink tube (Joining Kit)
MLN-FX-CA-5	End Cap
MLN-FX-5	Mounting Aluminium Rail 50mm
MLN-FX-CH	Mounting Aluminium Rail 2 metres



MLN-FX-CA-1.6A



MLN-FX-CA-3

MLN-FX-CH



MLN-FX-5

Soft LED Rope Lights - Size 25mm (H) x 13mm (W)

Colour	Code	Watts/Metre	LEDs/Metre	Current	Max. length with the following converters		
					1.6A	4A	10A
Cool White	SF-BSCW-*	4.4	72	20mA	80m	200m	500m
● Red	SF-BSR-*	4.4	72	20mA	80m	200m	500m
● Blue	SF-BSB-*	4.4	72	20mA	80m	200m	500m
● Green	SF-BSG-*	4.4	72	20mA	80m	200m	500m
● Yellow	SF-BSY-*	4.4	72	20mA	80m	200m	500m

*Add Length to code: 10m, 50m

• 10 metre is supplied with: 1 power cord; 1 x 1.6A converter 240VAC/24VDC; 1 x middle joint connector; 1 x end cap; 5pcs aluminium mounting clips. • 50 metres supplied as 10 metres x 5



SF-C-01



SF-08

Code	Description	Code	Description
SF-C-01	Power Cable 1.5m with 1.6A converter + 2 pin plug	SF-05	Coupling with Shrink Tube (joining kit)
SF-C-02	Power Cable 1.5m with 4A converter + 2 pin plug	SF-06	End Cap
SF-C-03	Power Cable 1.5m with 10A converter + 2 pin plug	SF-08	Mounting PVC Channel, Clear 1m long

LED ROPE LIGHTS IP44

10 000 Hours life

	2-Wire Round	3-Wire Round	2-Wire Rectangular		3-Wire Rectangular
		13mm	5 x 8	11 x 18	11 x 18
● Red	RL-LED2-*R	RL-LED3-*R	MLF-*R	RE-L2-*R	RE-L3-*R
● Green	RL-LED2-*G	RL-LED3-*G	MLF-*G	RE-L2-*G	RE-L3-*G
● Blue	RL-LED2-*B	RL-LED3-*B	MLF-*B	RE-L2-*B	RE-L3-*B
● Yellow	RL-LED2-*Y	RL-LED3-*Y	MLF-*Y	RE-L2-*Y	RE-L3-*Y
White	RL-LED2-*W	RL-LED3-*W	MLF-*W	RE-L2-*W	RE-L3-*W
Mixed (R, G, Y, B)	RL-LED2-*M	RL-LED3-*M	-	RE-L2-*M	RE-L3-*M

*Add Length to code: 10m or 50m

Controller	To be ordered separately	To be ordered separately	To be ordered separately
Accessories supplied	All 10 metre Flexi Lights are supplied with: 8 Function Controller c/w Power Cord, End Cap and 6 piece Mounting Clips		
	All 50 metre Flexi Lights are supplied with: 8 Function Controller c/w Power Cord, 6 Middle Joint Connectors, 6 End Caps and 30 piece Mounting Clips		
Watts/M	R, Y, M: 1.56W/m B, G, W: 2.6W/m		

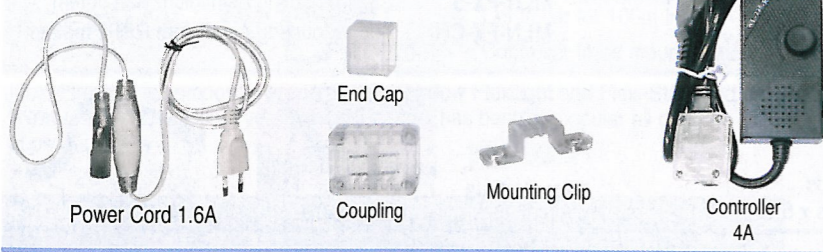
Accessories for:	2-Wire Round	3-Wire Round	5 x 8 2-Wire	11 x 18 2-Wire	11 x 18 3-Wire
Power Cord 1.6A Converter 4A	-	-	ML-1.6A ML-4A	-	-
Controller for 10m	WL-220	WL-310B	-	-	-
8 Function Controller 50m	DK-05-2	DK-06-4	SL-210-10A SL-410-2A	DK-05-2-RE	DK-06-4-RE
Power Cord c/w Connector	F-1	RL-1	-	SF2-1	SF3-1
End Cap	F-4	F-4	ML-3	SF2-3	SF2-3
Coupling (Splice Connector)	F-5	RL-5	ML-4	SF2-4	SF3-4
Mounting Clip, Plastic	F-6	F-6	ML-5	SF2-5	SF2-5

Mounting rails for 5 x 8 LED rope light

CH-1PVC	Code	Description
	CH-1PVC	PVC mounting rail
	CH-2PVC	Step edge to carpet mounting rail
	CH-3PVC	Mounting rail for carpet both sides

Rope Length for MLF Series only

Colour	Watts	Max. length with the following converters	
		1.6A	4A
White	2.6W	160m	400m
● Red	1.56W	264m	660m
● Blue	2.6W	160m	400m
● Green	2.6W	160m	400m
● Yellow	1.5W	264m	660m



Soft LED Neon Flexlight IP67 12VDC

Size: 12mm(W) x 13mm(H) Highly Flexible Material

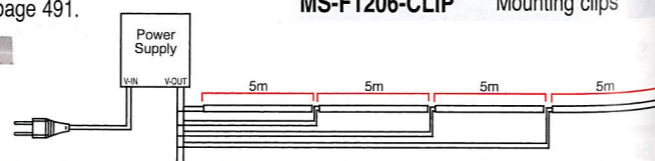
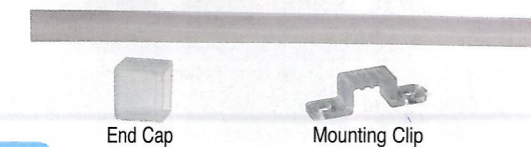
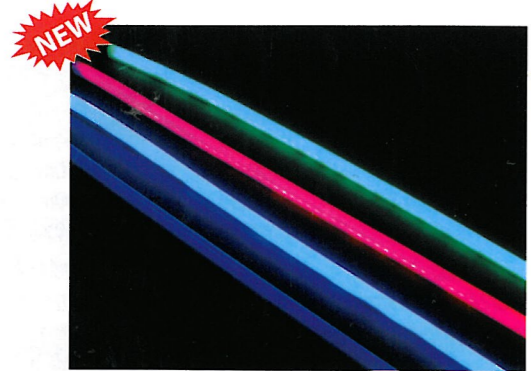
Colour	Code	Lumen /M
● Red	MS-F1206-R*	20lm
● Green	MS-F1206-GN*	120lm
● Blue	MS-F1206-BL*	28lm
● Yellow	MS-F1206-Y*	18lm
Cool White	MS-F1206-CW*	141lm
○ Warm White	MS-F1206-WW*	130lm

*Add length to code: 1 (1metre), 5 (5metre)
For power supplies see page 491.

- Module length, 1m, 5m
- Can be cut every 6 LEDs (every 59mm)
- 102 LEDs/metre
- Supply voltage 12 VDC
- Max length 5m on same supply wires
- Max consumption 6W/metre

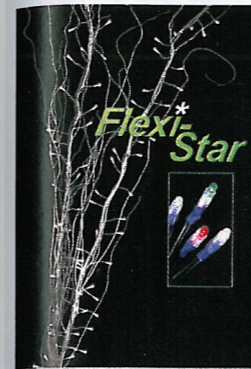
Accessories

Code	Description
MS-F1206-CAP	Silicon end cap
MS-F1206-CLIP	Mounting clips



LED FESTIVE LIGHTS IP44

NEW RANGE



LED Flexi-Star Indoor/Outdoor TREE LIGHTS (100 000 hours) 240V

Code	Colour of Bulb	No. of Channel	Length	No. of Bulbs	Controller Included IP44	Watts Total
LS2-160C-5*	White	2	5m	160	8 Function	6.4W
LS4-160C-5*	White	4	5m	160	8 Function	6.4W
LS2-160R-5*	Red	2	5m	160	8 Function	6.4W
LS2-160B-5*	Blue	2	5m	160	8 Function	6.4W
LS2-160M-5*	Multi	2	5m	160	8 Function	6.4W
LS2-320C-10*	White	2	10m	320	8 Function	12.8W
LS4-320C-10*	White	4	10m	320	8 Function	12.8W
LS2-320M-10*	Multi	2	10m	320	8 Function	12.8W

*Add colour of wire: G (Green), T (Transparent), W (White)
Spare Controller WL-310B with memory

LED Round Sparkle Net Lights (100 000 hours) 240V Indoor use only

Code	Green Wire	Colour of Bulbs	Type	Size	LED Quantity	Controller Included
CM-RNL-C		White	Chasing	1m Ø	80	2 Function
CM-RNL-M		Multi	Chasing	1m Ø	80	8 Function

LED Knitting Lights



Code	CM-STR-M
	80 Red, 20 Green, 20 Yellow & 20 Blue LED's • Complete with 8 function Controller • Voltage: 240V • Size: 910 x 910mm



LED Net Lights (100 000 hours) 240V Indoor use only (extendable)

Code	Green Wire	Colour of Bulbs	Size	Lamp		8 Function Controller	Code Clear Wire
				No.	W (total)		
LFN-252-C-G		White	1.5 x 2m	252	19W	Included	LFN-252-C-C
LFN-324-C-G		White	1.5 x 3m	324	28W	Included	LFN-324-C-C
LFN-252-M-G		Multi	1.5 x 2m	252	19W	Included	LFN-252-M-C
LFN-324-M-G		Multi	1.5 x 3m	324	28W	Included	LFN-324-M-C

Curtain Light (100 000 Hours) Indoor use only. IP44 (extendable)

Code	White Bulbs	Curtain Width x Drop	No of Strings	Lamps per String	Watts	Controller Excluded
LFC3C-20-2/1		2 x 1.0m	20	36	43W	WL-310B-LFC3C
LFC3C-20-2/1.5		2 x 1.5m	20	36	43W	(1.2A) 288W IP44
LFC3C-20-2/3		2 x 3m	20	36	43W	WL-310K-LFC3C
LFC3C-20-2/5		2 x 5m	20	72	86W	(1.2A) 288W IP55
LFC3C-20-2/10		2 x 10m	20	108	129W	

Controller to be ordered separately. Note IP rating of controller

LED Extendable Flexi-Star (100 000 hours) Indoor/Outdoor use. Rubber wire.

Code	Green Wire	Colour of Bulb	No. of Bulb		Power Consumption		Max. Extendable Set	
			12m	50m	12m	50m	12m	50m
LRS2-160C-*G		White	160	800	6.9	34.5W	20	4 sets
LRS2-160M-*G		Multi	160	800	6.9	34.5W	20	4 sets
LRS2-100C-*G		White	100	500	6.9	24.15W	20	4 sets
LRS2-100M-*G		Multi	100	500	6.9	24.15W	20	4 sets

*Add length to code: 12 (12m) or 50 (50m)

Controller to be ordered separately. Note IP rating of controller

LED Clip Light

Code	Clear Wire	LEDs	Watt	Color of Bulb	Description
LCLT-*G-RGB		160/10m	7W/10m	RGB	LED RGB Clip light colour changing; c/w 8 function controller; 4 wire
LCLT-*G-RGB-AUTO		160/10m	7W/10m	RGB	LED RGB clip light auto colour changing; with controller to control fading; 2 wire
LCLT-*G-WW		160/10m	7W/10m	White	LED warm white clip light c/w transformer; no controller; 2 wire
LCLT-*G-PW		160/10m	7W/10m	White	LED pure white clip light c/w transformer; no controller; 2 wire

*Add length to code: 10 (10m), 50 (50m), 100 (100m)



LED FESTIVE LIGHTS



Battery Operated Starlight Indoor use only

Code	Description
BOS-101-*	Battery operated LED flexistar
BOS-202-*	Battery operated LED flexistar with clear crystal balls

- *Add colour to code: ○ WW (Warm White), ○ CW (Cool White), ● R (Red), ● BL (Blue), ● GN (Green), ● OR (Orange), ● Y (Yellow)
- 2 Wire LED light string with white battery box
- Wire colour: White
- Voltage 4.5V (3 x AA) Excluded
- Length: 2 metre
- 20 LEDs in a 2 metre Length
- Approximate battery life: 72 HRS (Dependant on type of battery)



SOLAR FESTIVE LIGHTS IP44

Solar LED String Light

Code	Length	No of LEDs
TEA-7D02-B05-*	5m	50Pcs
TEA-7D02-B10-*	10m	100Pcs

*Add colour to code: ○ CW (Cool White), ●●●M(RGB)

Solar Icicle Light

TEA-7D06-B10-*	1.6L x 0.6H(m)	96Pcs
TEA-7D06-B20-*	2.0L x 1.0H(m)	200Pcs

*Add colour to code: ○ CW (Cool White), ●●●M(RGB)

Solar Curtain Light

TEA-7D08-B10-*	1.6L x 0.6H (m)	96Pcs
TEA-7D08-B20-*	2.0L x 1.4H (m)	200Pcs

*Add colour to code: ○ CW (Cool White), ●●●M(RGB)

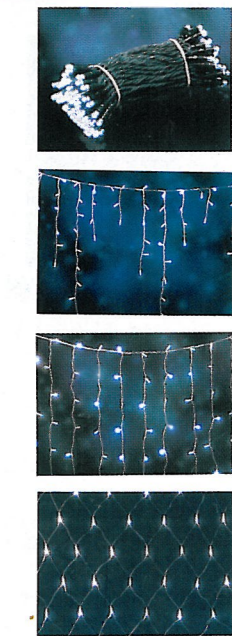
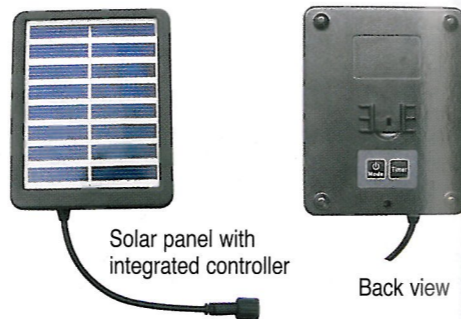
Solar Net Light

TEA-7D10-B20-*	2.6L x 1.3H (m)	200Pcs
----------------	-----------------	--------

*Add colour to code: ○ CW (Cool White), ●●●M(RGB)

Features

- 3 Levels on timer: 6h, 8h and 10h adjustable.
- Working time after full charge: 20-40hrs (time for full charge: 8hrs in direct sunlight).
- Charging period for one night (±8-16hrs): 4hrs in direct sunlight.
- On/Off: automatically turn on at 75±25lx, turn off at 350±50lx in one minute by photo sensor



LED DECORATIONS

LED Bar Decoration Size: Ø232.5 x 244 x 158mm

Code	Description
HG-LPD5801	RGB LED Ice bucket c/w remote and AC adaptor 230VAC/7.5VDC 500mA



Code	Volts	Size	Battery	Material
CDL-3V-*	3V	45mm Ø x 100mm(H)	AAA (not included)	PVC

*Add colour to code: ○ W (White), ● R (Red), ● G (Green) ● B (Blue)

Features

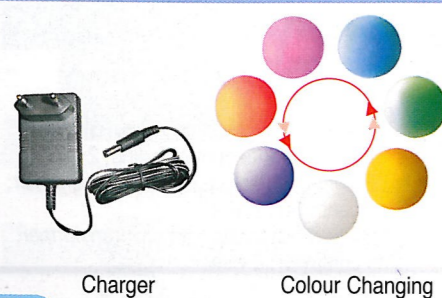
- Low power consumption: 0.06
- Long life span: up to 100,000 hours
- Power supply: two "AAA" batteries
- It gives the flickering effect of a real candle

LED Colour Changing Light Ball (Indoor)

Code	Volts	Size	Battery	Material	Core
LB-001	4.5V	81mm Ø	Included	Silica Gel	Empty
LB-007-M	3.6V	81mm Ø	Included	Silica Gel	Solid

Features

- Rechargeable Batteries & 230VAC Battery Charger included
- Colours include: Red, Green, Yellow, Blue, White, Cyan, Purple and Twinkle
- Colour selectable or colour changeable by pressing switch



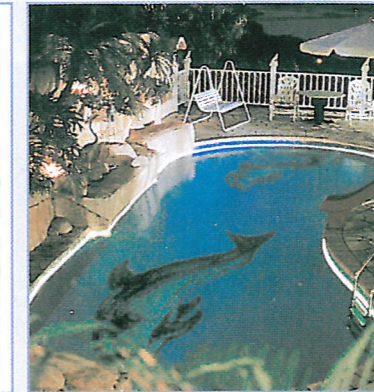
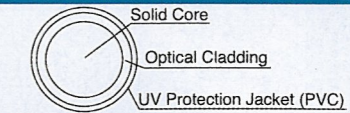
Charger

Colour Changing

FIBRE OPTIC FESTIVE LIGHTING

Solid Core Fibre Optic Side Light

- Economic replacement of neon lighting
- Safe – no safety shield required
- Neutral colour fibre, colour added with light engine
- Minimum bend radius: 4 x core diameter
- Ambient: -20 to +120°C
- Loss: 6%/m



Solid Core Side Light

Code	Core Ø	Outside Ø	Length	Shielding Colour
OFS-60-30	6mm	8.8mm	30m	Clear
OFS-100-30	10mm	13.0mm	30m	Clear

Multi-String Side Light

MOFS-3-14-30	-	8.6mm	30m	Clear
MOFS-6-14-30	-	12.6mm	30m	Clear

Crystifiber Solid Core Side Light

COFS-60-30	6mm	9.4mm	30m	Clear
COFS-100-30	10mm	14.2mm	30m	Clear

Neonglo Optic Fibre (Indoor/Outdoor)

BOFS-60	6mm	8.8mm	30m	Milk White
BOFS-100	10mm	13mm	30m	Milk White

Used for lighting of swimming pools, spas and building outlining

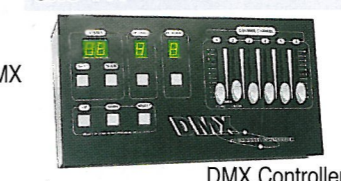
Accessories

Code	Suitable for	Size	Description
NTS-009	OFS-60/MOFS-6/COFS-60	8-9mm	Extended Clip
NTS-012	OFS-100/COFS-100	12-13mm	Extended Clip
OF-2-9	OFS-6/COFS-6	9mm	Crocodile Clip
OF-2-13	OFS-100/MOFS/COFS-100	13mm	Crocodile Clip
OF-1-9	OFS-6/MOFS-6/COFS-60	9mm	Clear Channel Plastic 1.8m
OF-1-13	OFS-100/COFS-100	13mm	Clear Channel Plastic 1.8m
OF-3	OFS-60/100, COFS-60/100	-	Fiber Cutter for Solid Core
OF-4	MOFS-6	-	Fibre Cutter for Multi-string



Light Engines (Indoor) 230V

Code	Lamp	Motor	Lamp Life
H-50	Halogen 12V 50W	2-5rpm	4000hrs
H-100	Halogen 12V 100W	2.5rpm	4000hrs
R-150	HQI-R 150W	Stepping	6000hrs
R-150 DMX M/S/D	HQI-R 150W	Stepping	6000hrs
SRC-144	DMX Controller	-	-



- 54 Channels DMX Output up to 9 projectors
- 4 Digit LED Display showing program/run speed/cross time
- 9 Programs and each program up to 50 steps
- DMX Signal: 3 pin XLR female x1
- Power input: DC 9V-12V 500mA (Adaptor is included)

Fibre Optic Kits

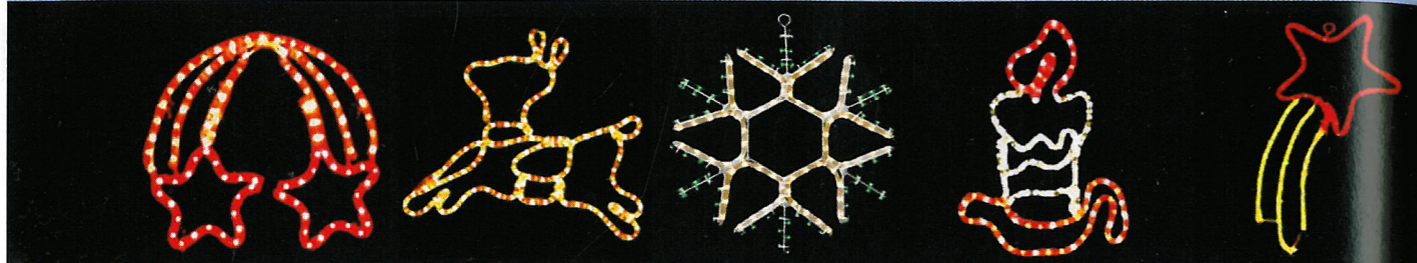
Code	Light Engine	Fibre Size	No. of Fibres	Length of Fibres	End Piece
FRP-001	LED MINI	0.75mm	155	2	-
FRP-002	H-20	0.75mm	25 x 4	2, 3, 4, 5	FO-033
FRP-003	H-35	1.0mm	120	2	FO-034
FRP-004	H-50 DMX	1.0mm	8 Strings/0.8mm, 6 Strings/1.2m, 1.8m, 2.2m, 2.5m	8 Strings/ 0.8m, 6 Strings/1.2m, 1.8m, 2.2m, 2.5m	FECU-10-1.0
FRP-005	H-50T	0.75mm	MOFSSS-14	10	-



MINI ROPE LIGHT MOTIF WITH STANDARD (28 000hr) LAMPS



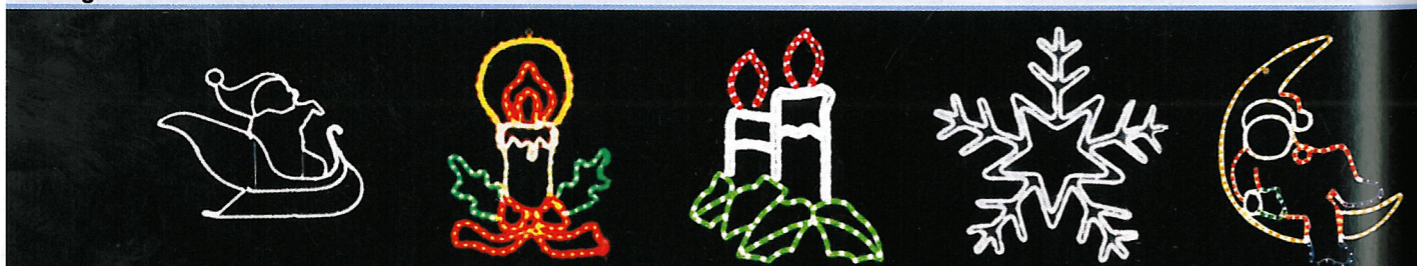
Code	DNM-003	DNM-007	DNM-009	DNM-012	DNM-013
Size	250(H)x330(L)mm	230(H)x290(L)mm	260(H)x340(L)mm	170(H)x410(L)mm	350(H)x340(L)mm
Wattage	16.38	16.38	16.38	16.38	16.38



Code	NL-202	NL-105	NL-301	NL-201	NL-104
Size	360(H)x420(L)mm	400(H)x500(L)mm	450(H)x400(L)mm	500(H)x370(L)mm	560(H)x440(L)mm
Wattage	49.2	49.14	65.6	49.2	32.8



Code	NL-205	NL-303	NL-204	NL-113	NL-112
Size	570(H)x380(L)mm	600(H)x340(L)mm	640(H)x460(L)mm	640(H)x480(L)mm	640(H)x550(L)mm
Wattage	49.2	98.28	65.6	65.6	65.52



Code	NL-527	NL-116	NL-535	NL-504	NL-525
Size	650(H)x850(L)mm	680(H)x480(L)mm	720(H)x580(L)mm	750(H)x750(L)mm	800(H)x600(L)mm
Wattage	147.6	82	131.2	147.6	98.4



Code	NL-503	NL-524	NL-306	NL-305	NL-307
Size	800(H)x800(L)mm	800(H)x800(L)mm	810(H)x810(L)mm	920(H)x790(L)mm	930(H)x730(L)mm
Wattage	114.8	147.6	163.8	163.8	212.94

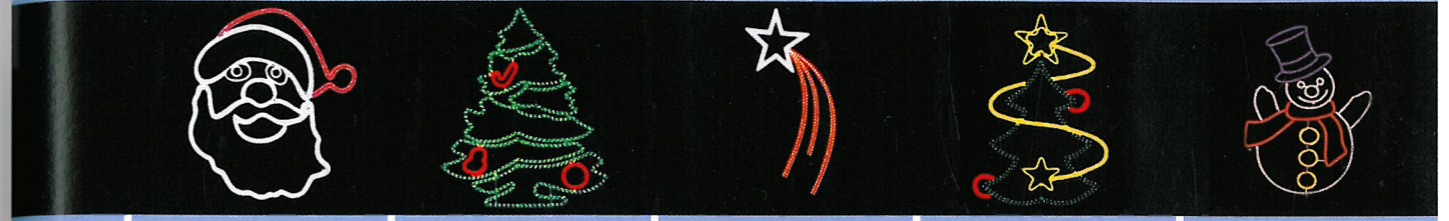
• Indoor/Outdoor use • 2 Wire Connection • Supplied without controller, for controllers see page 521.

LIGHTING

MINI ROPE LIGHT MOTIF WITH STANDARD (28 000hr) LAMPS



Code	NL-519	NL-312	NL-542	NL-543	NL-514
Size	1080(H) x 820(L)mm	1100(H) x 750(L)mm	1200(H) x 620(L)mm	1200(H) x 870(L)mm	1200(H) x 1200(L)mm
Wattage	164	327.6	246	262.4	377.2



Code	NL-528	NL-401	NL-604	NL-626	NL-630
Size	1230(H) x 1110(L)mm	1330(H) x 1110(L)mm	1500(H) x 700(L)mm	1530(H) x 1000(L)mm	1900(H) x 1300(L)mm
Wattage	278.46	393.6	147.42	327.6	458.64



Code	NL-605	NL-606	NL-614	NL-623	NL-624
Size	2000(H) x 1000(L)mm	2000(H) x 1100(L)mm	2000(H) x 1100(L)mm	2500(H) x 900(L)mm	2500(H) x 900(L)mm
Wattage	196.8	229.6	278.8	311.6	295.2



Code	NL-622	NL-609	NL-545	NL-314	NL-636
Size	2500(H) x 1100(L)mm	3400(H) x 1200(L)mm	600(H) x 1400(L)mm	730(H) x 1850(L)mm	2000(H) x 1500(L)mm
Wattage	278.8	687.96	164	229.32	606.8



Code	NL-417	NL-638	NL-639	NL-660	NL-643
Size	1000(H) x 2000(L)mm	1100(H) x 1500(L)mm	1200(H) x 1500(L)mm	1000(H) x 3500(L)mm	1300(H) x 3500(L)mm
Wattage	311.6	360.8	344.4	492	752



Code	NL-648	NL-654	NL-655	NL-661
Size	1500(H) x 3320(L)mm	1000(H) x 4000(L)mm	1200(H) x 6200(L)mm	1000(H) x 4000(L)mm
Wattage	606.80	557.6	967.60	820

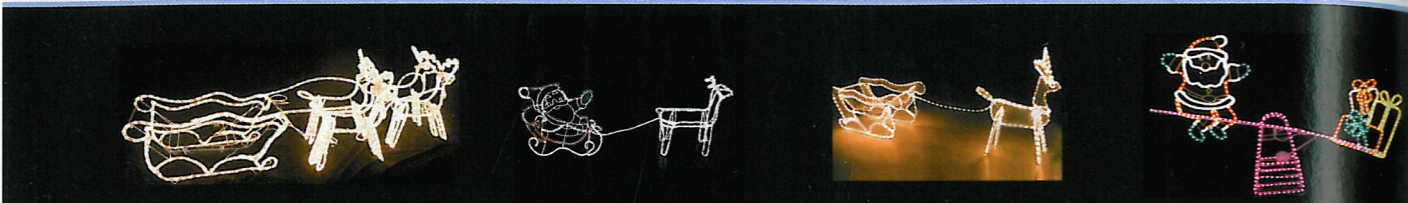
• Indoor/Outdoor use • 2 Wire Connection • Supplied without controller, for controllers see page 521.

LIGHTING

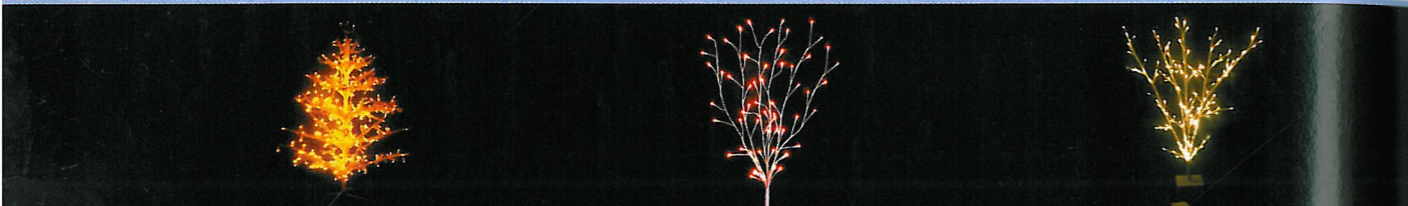
NEW 3D LIGHT MOTIF WITH STANDARD (28 000hr) LAMPS



Code	BLM-1103	BLM-1105	BLM-1106	BLM-1107	BLM-1111
Size	640(H) x 450(L)mm	440(H) x 720(L)mm	920(H) x 870(L)mm	1120(H) x 690(L)mm	400(H) x 1300(L)mm
Wattage	98.28	81.9	212.94	180.18	377.2

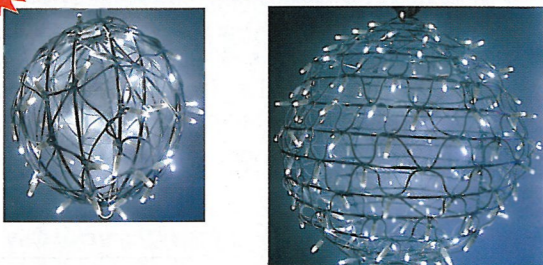


Code	BLM-1113	BLM-1114	BLM-1115	BLM-1118
Size	780(H) x 2400(L)mm	530(H) x 1300(L)mm	530(H) x 1100(L)mm	650(H) x 1400(L)mm
Wattage	360.36	196.8	229.6	213.2



Code	BLM-1201	BLM-1205	BLM-1206
Size	1200(H) x 800(L)mm	800(H)mm	1200(H)mm
Wattage	190.2	21.6	64.8

NEW LED BALL MOTIF

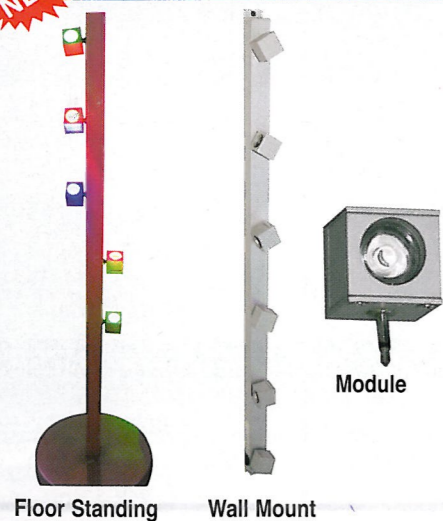


LED Ball Motifs IP44

Code	Description
LED-LBL-220L*	Ø600mm Ball motif with 220 LEDs, black wire, Indoor
LED-LBL-80L*	Ø300mm Ball with 80 LEDs, black wire, Indoor

*Add LED colour to code: ○ W (White), ● R (Red), ● GN (Green), ● Y (Yellow), ● BL (Blue)
c/w Power Supply

NEW LED MAGIC COLOURED LIGHT SETS



Code	LT-PC6-240V-ST	LT-PC6-240V-HT
Type	Floor standing	Wall mounting
Input Voltage	240VAC 50-60Hz	240VAC 50-60Hz
Input Current	0.21A	0.21A
Output Current	0.35A	0.35A
LED No.	6pcs (RGB)	6pcs (RGB)
Housing	AL/Steel	AL
Size	806mm (High)	690mm

Spare Colour Modules

Code	LT-PC6*
*Add colour to code: ● R (Red), ● GN (Green), ● BL (Blue), ● Y (Yellow)	

Each unit can be inserted into or pulled out of the DC socket without influencing other units. Each unit enjoys a rotary angle of 360° and good heat conductivity. Its pole and housing are made of alloyed aluminium, convex is made of transparent PMMA and the base material is steel.

NEW RANGE STAGE LIGHTS

LED Par 46 (Long Can) 5 Channel DMX Controller



Control Mode: DMX, Stand Alone, Master & Slave, Sound Activated and Auto

LED Par 56 5 Channel DMX Controller



Control Mode: DMX, Stand Alone, Master & Slave, Sound Activated and Auto

LED Par 64 4 Channel DMX Controller

DMX512 Signal, 4 Channels, including Auto, Strobe, Master-Slave and synchronously running

Short Can



With Dip Switch

Long Can



With Dip Switch

575W MultiFunction PAR64



c/w 4 lenses (for different beam angles) and colour gel frame

For single colour, 2 channel DMX Strobe/ Dimmer

Code	LDP-005*	LDP-006*	LDP-007*	LDP-008*	AVL26
Size (mm)	190 x 190 x 330	210 x 210 x 310	230 x 230 x 320	230 x 230 x 400	Ø265 x 430mm
LEDs	94 x 0.16(15W)	107 x 0.19(20W)	177 x 0.17(30W)	177 x 0.17(30W)	-
IP Rating	IP33	IP33	IP33	IP33	IP20

*Add colour to code: ● R (Red), ● BL (Blue), ● Y (Yellow), ● GN (Green), ○ CW (Cool White), ○ WW (Warm White)

High Power RGB LED PAR 64 Aluminium PAR CAN

Auto, Strobe, Master Slave, Synchronously running



6 DMX Channels 6 DMX Channels

High Power RGB LED PAR 64 with 6 DMX Channels Digital Display



Waterproof IP65

Par 64 Empty Can



Lamp to be ordered separately. c/w frame for mounting colour gels

Lamps for Par64 Can



PAR64*

Ø 8" 1000W (Halogen)

* Add type to code: MF (Medium Flood), WF (Wide Flood), NS (Narrow Spot)

Code	LDP-011*	LDP-012*	LDP-015*	RTL-19	PARGEL*
Size (mm)	230 x 230 x 360	230 x 230 x 360	305 x 305 x 340	255 x 226 x 445	Add colour to code: ● R (Red), ● BL (Blue), ● Y (Yellow), ● GN (Green)
LEDs	36 x 1W(36W)	36 x 3W(108W)	36 x 1W(36W)	1000W	Sheet size: 100 x 80cm
IP Rating	IP33	IP33	IP65	IP33	

*Add colour to code: ● R (Red), ● BL (Blue), ● Y (Yellow), ● GN (Green), ○ CW (Cool white), ○ WW (Warm White), ●●● RGB

Colour-Changing Search Light



- Auto & DMX
- 14 channels
- CMY
- Beam Distance: 15km

Search lights with moving Head with DMX



Colour Changing City Light



- DMX
- 7 channels
- CMY

Code	RTL45	RTL47	RTL48	RTL54B
Size (mm)	790 x 690 x 1500	880 x 790 x 1200	940 x 80 x 1250	810 x 620 x 730
Wattage	10kW	7kW	10kW	2.5kW
IP Rating	IP54	IP54	IP54	IP54
Supply V/A	230V/43.4A	230V/30.4A	230V/43.4A	230V/10.8A

Flight Cases included in all the above

STAGE LIGHTS

NEW RANGE

LED Four-eyes Whirlwind Light



11 DMX channels, Master/ Slave

3-Output Laser Effect LED Light



Sound activated, Auto, 6 DMX channels

LED Flowing Light



DMX512 signal, 4 channels including Auto, Strobe, Master/ Slave, Synchronously running

LED Moving Head Effect Light



DMX512 signal, 4 channels including Auto, Strobe, Master/ Slave, Synchronously running

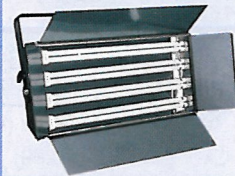
Code	LDE-027	LDE-031	LDE-015	LDE-019
Size	500 x 300 x 140mm	350 x 250 x 170mm	375 x 345 x 210mm	220 x 170 x 290mm
LEDs	180 x Ø5 RGB (40W)	192 x Ø5 RGB (20W)	96 x Ø5mm (15W)	84 x 0.14 (12W)

LED Vertigo



Sound activated, Auto, Master/ Slave

4x 55W Tricolour Soft Light



Red, Green, Blue Fluorescent

Firefly Laser



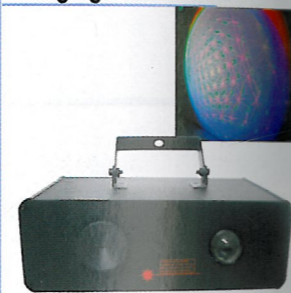
DMX512, Sound activated, Auto

Green Intelligent Laser with ILDA Interface



DMX512, Sound activated, Auto

Firefly Laser Light with Colour changing LED Wash



8 DMX channels, Sound activated, Auto, master/ Slave

Code	LDE-033	AVL37	SML-011	AV-G100	SML-032
Size	410 x 280 x 280mm	635 x 290 x 110mm	285 x 100 x 135mm	400 x 300 x 150mm	290 x 190 x 135mm
LEDs	224 x Ø5 (50W)	-	Green 532 nm: 100mW	Green 532nm: 100mW	Laser: Green 60mW Red 100mW LEDs: 1x Red, 1x Green, 1x Blue 1W

LED Super Mini Strobe Light



With speed adjustability

LED Water-Proof Power Strobe



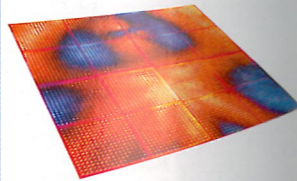
Strobe, Sound activated, both speed adjustable

LED DMX Dance Floor



DMX channels, Stand Alone, Auto Master/ Slave, and Sound activated

LED DMX Dance Floor



Computer controlled via DVI graphics card

Code	LDE-022-*	LDE-023-*	LD-001-DMX	LD-002-VIDEO
Size	130 x 85 x 55mm	240 x 200 x 120mm	1000 x 1000 x 100mm	1000 x 1000 x 150mm
LEDs	24 x Ø5mm (10W)	116 x Ø10mm (20W)	640 x Ø5 (80W) Maximum load: 800kg	1024 RGB Pixels/m ² Pixel configuration 2RIGIB. Max load 800kg

*Add colour to code: ● R (Red), ● GN (Green), ● BL (Blue), ● Y (Yellow), ○ CW (Cool White)

Pricing for these items is available on request

STAGE LIGHTS

NEW RANGE

3 Head Search Lights

- Stand Alone
- Beam Colours: ● R, ● Y, ● G, ● B, ○ W
- Flight Cases included



Beam Distance: 15km



Beam Distance: 20km



Beam Distance: 2 - 10km

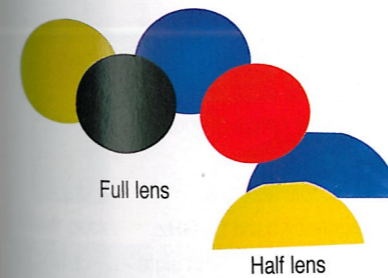
Code	RTL62	RTL63	RTL76
Size (mm)	1540 x 1540 x 1520	1560 x 1560 x 1540	690 x 580 x 1010
LEDs	3 x 7kW	3 x 10kW	5kW
IP Rating	IP44	IP44	IP44
Supply	380VAC-37A/Phase	380VAC-51A/Phase	230V/30A

Optional Extras for Search Lights

Code	Description
RTL45-LENS	CMY (Cyan, Magenta & Yellow) Lens for RTL45
RTL47-LENS	A set of R, Y, G, B, W Beam colour lens for RTL47
RTL48-LENS	A set of R, Y, G, B, W Beam colour lens for RTL48
RTL54-LENS	CMY (Cyan, Magenta & Yellow) dichroic LENS for RTL54B
RTL62-LENS	A set of R, Y, G, B, W Beam colour lens for RTL62
RTL63-LENS	A set of R, Y, G, B, W Beam colour lens for RTL63
RTL45-FC	Spare Flight case for RTL45
RTL47-FC	Spare Flight case for RTL47
RTL48-FC	Spare Flight case for RTL48
RTL54-FC	Spare Flight case for RTL54B
RTL62-FC	Spare Flight case for RTL62
RTL63-FC	Spare Flight case for RTL63
RTL76-FC	Spare Flight case for RTL76

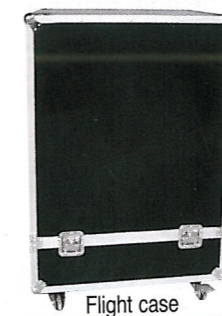
Spares for Search Lights

Code	Description
RTL45-10kW Lamp	10kW Spare Lamp for RTL45
RTL47-7kW Lamp	7kW Spare Lamp for RTL47
RTL48-10kW Lamp	10kW Spare Lamp for RTL48
RTL54 - 2.5kW Lamp	2.5kW Spare Lamp for RTL54B
RTL62-7kW Lamp	7kW Spare Lamp for RTL62
RTL63-10kW Lamp	10kW Spare Lamp for RTL63
RTL76-5kW Lamp	5kW Spare Lamp for RTL76
RTL45-1kW.PSU	1kW Power Supply for RTL45
RTL47-1kW.PSU	1kW Power Supply for RTL47
RTL48-1kW.PSU	1kW Power Supply for RTL48
RTL54-1.25kW.PSU	1.25kW Power Supply for RTL54B
RTL62-1kW.PSU	1kW Power Supply for RTL62
RTL63-1kW.PSU	1kW Power Supply for RTL63
RTL76-1kW.PSU	1kW Power Supply for RTL76

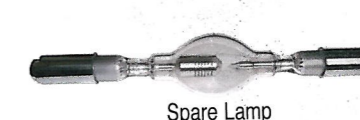


Full lens

Half lens



Flight case



Spare Lamp



Power Supply

Moving Head Colour Wash



16 DMX Channels

Moving Head Colour Spot



16 DMX Channels

Logo Projector - 90-250VAC 50Hz



- Lamp life: 30 000hrs
- Colour temp: 7000K
- Energy efficient projection
- Ideal distance: 5m

Code	AVL-CW575	AVL-CS575	LGP-20CRL
Size (mm)	545 x 535 x 675	545 x 535 x 675	195 x 172 x 120
Lamp Power	575W	575W	20W (LED)
Pan/ Tilt	530°/ 280°	530°/280°	530°/280°

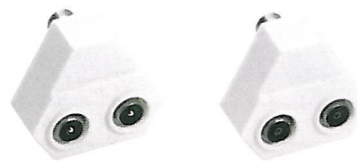
TV & AUDIO ACCESSORIES

9.5mm Ø Coaxial TV Plug Blister Packed, 2 per pack



Code	TVA5001	TVA5002	TVA5003	TVA5004
Type	Male Plug	Female Plug	Male Plug	Female Plug

9.5mm Ø 2 Way TV Splitter



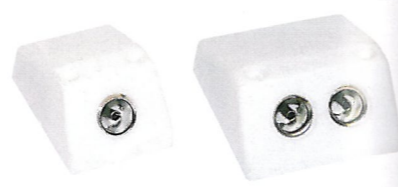
Code	TVA58553	TVA58554
Type	Female to 2 x Male	Male to 2 x Female

TV Splitter for 75Ω Coax



Code	TVA5012	TVA5014
Type	2 Way Splitter	4 Way Splitter

Jack Boxes



Code	TVA5080	TVA5081
Type	Female Jack Box	2 x Female Jack Box

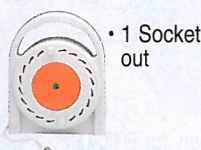
9.5mm Ø Splitters



Code	TVA5065	TVA5066
Type	Male to 2 x Female	Female to 2 x Male

TV Extension

Coaxial In-line Connector
Blister Packed, 2 per pack



Code	TV5154	TVA5057	TVA5058
Length/Type	10m	Clamp	Screw

Coaxial Adaptors 9.5mm Ø
Blister Packed, 2 per pack



Code	TVA0085	TVA0086	TVA0087
Type	Male to Female	Male to Male	Female to Female

F Plug: Twist On Type

F Jack Connector



Code	TVA0008	TVA59551
Type	For RG58 Coaxial Cable	F Jack to F Jack

TV Signal Amplifier



Code	TY-324
Frequency	40-860MHz
Gain	VHF: 26dB UHF: 28dB
Impedance	75Ω
Noise	<5.0dB
Supply	230V 3W

Infra Red Remote Extender



Transmitter

SEC



Receiver

Code	MT-EA01
Description	Extend the range of your remote control to another room
Features	• Telescopic antenna • Frequency band 2.4GHz • Range: 85m in line of sight

TV Leads 75Ω

Length	Code Male to Male	Code Male to Female	Code Female to Female
3m	TVC8071MM-3M	TVC8071MF-3M	TVC8071FF-3M
5m	TVC8071MM-5M	TVC8071MF-5M	TVC8071FF-5M
10m	TVC8071MM-10M	TVC8071MF-10M	TVC8071FF-10M



WIR

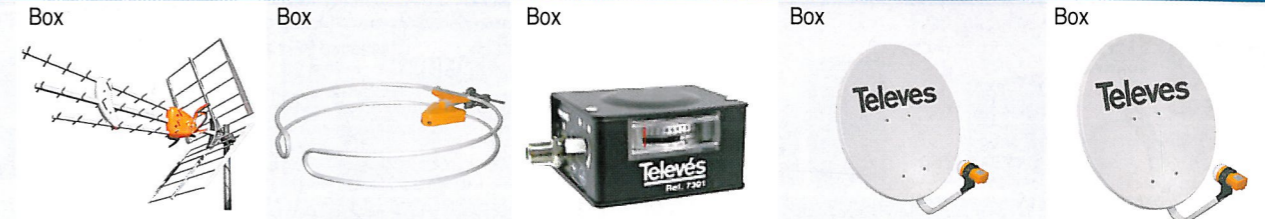
Coaxial Cable

Length	Code 75Ω White
10m	TVC8119-10
25m	TVC8119-25
50m	TVC8119-50
100m*	TVC8119-100

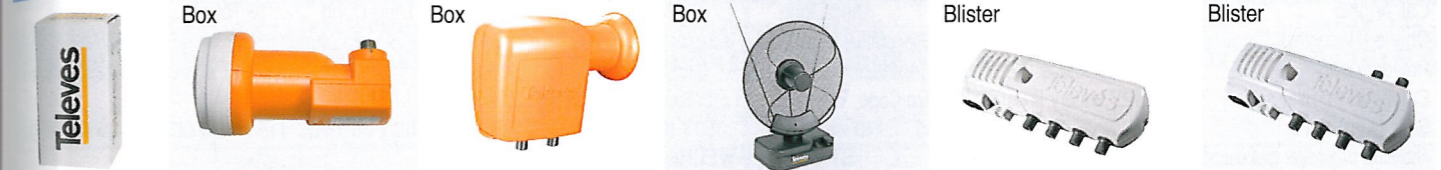
*Shrink wrapped rolls

TV ACCESSORIES

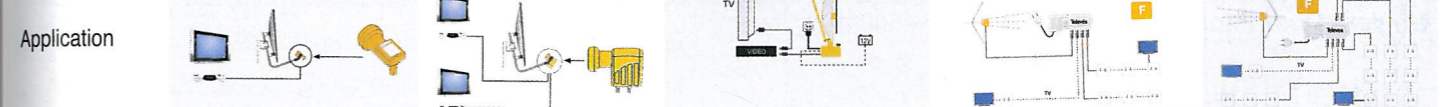
NEW RANGE



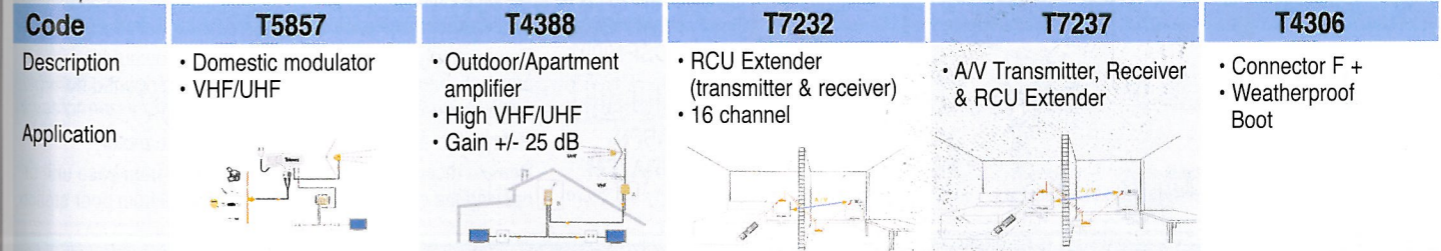
Code	T149501	T1201	T7301	T753521	T753522
Description	UHF DAT HD Antenna for HDTV	FM Omnidirectional Antenna	Satellite finder for signal strength	Satellite offset dish Aluminium size: 60cm	Satellite offset dish Aluminium Size: 80cm



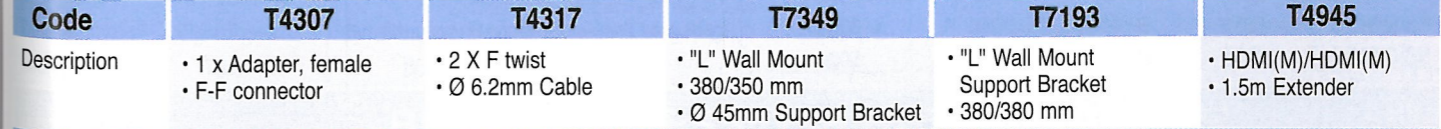
Code	T7475	T4332	T1331	T5522	T5523
Description	• Single LNB • Universal H/V • HD Compatible	• Twin LNB • H/V - H/V • HD Compatible	VHF/UHF Parabolic active	• Indoor to amplifier • MATV 2out + TV, F connector • 2 In/2 Out	• Indoor to amplifier • MATV 4out + TV, F connector • 2 In/4 Out



Code	T5857	T4388	T7232	T7237	T4306
Description	• Domestic modulator • VHF/UHF	• Outdoor/Apartment amplifier • High VHF/UHF • Gain +/- 25 dB	• RCU Extender (transmitter & receiver) • 16 channel	• AV Transmitter, Receiver & RCU Extender	• Connector F + • Weatherproof Boot



Code	T4307	T4317	T7349	T7193	T4945
Description	• 1 x Adapter, female • F-F connector	• 2 X F twist • Ø 6.2mm Cable	• "L" Wall Mount • 380/350 mm • Ø 45mm Support Bracket	• "L" Wall Mount Support Bracket • 380/380 mm	• HDMI(M)/HDMI(M) • 1.5m Extender



Code	T4946	T4322	T437401	T437501	T437601
Description	• HDMI(M)/HDMI(F) • 3m Extender	• Female (DC) to 2x Male (DC) • Universal Splitter	• 1 x Male 90° • Elbow connector for coaxial cable	• 1 x Female 90° • Elbow connector for coaxial cable	• 1 x Pair Male/Female 90° • Elbow connector for coaxial cable

SEC

WIRELESS DOOR CHIMES

Code	ST-59	ST-66	ST-60	WECR80520	WECR80515	DRS-982	RL-3823	WDC3920
Transmitter Range: In line of site Through walls		100 metres 80 metres		200 metres 100 metres	150 metres 50 metres	150m 100m	100m 80m	100m 80m
Radio Frequency		433.92MHz		433.92MHz	433.92MHz	434MHz	434MHz	434MHz
Sound level		82dB		82dB Adj.	85dB Adj.	85dB	82dB	82dB
Call ringing	1-Tone	2 Tones	Ding-Dong	10 Chimes	10 Chimes	Ding-Dong	16 Tones	16 Tones
Chime (Receiver)	Adaptor 230/12V 300mA (included). Spare Code: EU12302.1			Adaptor 230/12V (included)		Adaptor 230/12V (included)		2-Pin Euro plug
Power supply	or 3 x size 'C' batteries (not included)			3 x AA size batteries		3 x AA size batteries		
Call button power supply	1 x 12V battery (included). Spare Code: WIR-12B			1 x 12V battery (included). Spare Code: WIR-12B		-		
Size (mm)	165 x 122 x 55	140 x 90 x 35	170 x 135 x 58	150 x 180 x 50	170 x 125 x 43	160 x 66 x 90	115 x 60 x 60	140 x 80 x 20
Additional transmitter (call button)	ST-11	ST-12	ST-11	WECREM10001	WECREM50001			

* Range stated only in open area, may differ with obstacles between chime and buttons.
The given ranges are for open areas and ranges may differ 5-20% in brick, 40 - 80% in concrete.
Advised not to be installed around metallic obstacles as it will interfere with signals, see table

WIRELESS DOOR PHONE & GATE CONTROL

Wireless Door Phone & Door/Gate Control – 500m



Code	Description
PASF10005	1-way 500m kit, comprising of 2-button door station flush mounting, base unit (4xD batteries excluded) plus black handset with cradle and 230V power supply
Accessories	
PASFCB	Additional black handset, including cradle and 230V power supply
PAPL20005	2-button door station, flush mount
BS30	Surface mount housing for door stations
PAAN10068	68cm antenna for base unit to increase signal strength
ADSF10003	Power supply card for base unit, c/w relay output for wire connection to gate motor. Gate can only be opened during call from door station. 12/24VAC supply
PASFR	Relay kit to add to base unit to operate gate motor
M/RA1FM	Remote receiver for gate motor if gate is far from base unit or opening the gate is to be independent of call from door station

WIRELESS PAGING SYSTEMS

This is the perfect solution for the old conventional cordless paging system. This can be used in hospitals, social community homes and health-care institutions.

Devices Co-operation & System Range

Transmitter	ST-01 + ST-02	POS-216	ST-01/ST-02 + RT219	POS-216 + RT219
P-235	300m	150m	500m	350m
P-207/2	300m	150m	500m	350m
NS-K/217	220m	200m	420m	500m
NS-C.218	100m	200m	420m	500m

Note: Range stated only in open area, may differ with obstacles between chime and buttons.
The given ranges are for open areas and ranges may differ 5-20% in brick, 40 - 80% in concrete.
Not to be installed around metallic obstacles as this will interfere with signals,

Code	ST-01	ST-02	POS-216	RT-219	NS-K/217	P-207/2
Description	Signal Board	Signal Board	Receiver	Re-Transmitter	Transmitter	2 x Push Button Transmitter
Size (mm)	300 x 490 x 100	300 x 270 x 100	120 x 65 x 25	130 x 115 x 30	110 x 60 x 40	105 x 37 x 17
IP rating	IP20	IP20	IP56	IP56	IP55	IP20
Transmitter NR	Max 100	Max 36	Max 100	Max 500	Max 1	Max 2
Power Supply	230V built-in backup	230V built-in backup	1.2A AAA + External PSU included	1.2A AAA + External PSU included	9V 6F22	12V 2.3A

WIRED DOOR CHIMES

NEW RANGE

*Please note all 8V chimes exclude transformers, please see page 541.
DNU & GNU items exclude 3 x R6 1.5V batteries

Code 230V	GNS-921	-	DNS-972-N	-	GNS-976-N	GNS-943	DNU-912-N
Code 8V	*GNT-931	*GNT-224	-	*DNT-911-N	-	-	GNU-913-N
Description	Bim-Bam Chime	Two-Tone chime vivo	Tres Chime	Two-Tone Chimes	Duo Chime	Duo Chime	16 Melodies
Size (mm)	136 x 106 x 42	205 x 126 x 42	160 x 110 x 42	160 x 110 x 35	160 x 98 x 35	130 x 106 x 42	140 x 100 x 47
Tone	Bim-Bam	Bim-Bam/ Long Ring	Three Tones	Two Tones	Di-Do	Two-Tone	16 choices
Sound Level	85dB	85dB	90dB	84dB	81dB	72 - 82dB	84dB

Code	ST-3234T	ST-3239T	ST-3248T	*ST-3239B	*ST-3242B
Size (mm)	170 x 105 x 49			170 x 105 x 49	
Power	230VAC Direct Connected with 230/8VAC 1A Transformer built-in			Battery 4 x Size 'C' or 8VAC supply. External Transformer required	
				230VAC Direct supply No Transformer reqd.	

WIRED DOOR CHIMES/ BELLS

230V Type with built-in transformer

Code 8VAC	*GNU-209				
Code 230V	-	GNW-223	DNW-208	GRS-941	DNS-206
Description	Westminster Chime	Two-tone chime turbo	Largo Chime	Pipe Chime	Traditional Bell
Size (mm)	140 x 100 x 45	205 x 126 x 42	200 x 145 x 55	917 x 230 x 55	140 x 105 x 60
Tone	Eight Tones	Bim-Bam/Long Ring	Bam-Bam/ Long Ring	Two Tone	Electronic Bells
Sound Level	76dB	85dB	85dB	82dB	90dB

BELLS/ CHIMES PUSH BUTTONS

Code 230V	PDJ-213	PDP-970	PDM-231	PDB-234	PDM-232	PB-03	PB-04	PB-06
Size (mm)	80 x 21 x 33	46 x 60 x 14	70 x 30	100 x 25	87 x 30 x 30	85 x 20	54 x 25	74 x 32

Name can be inserted here
with lamp 12V 1.2W

SECURITY

SECURITY

ELECTRICAL & MAGNETIC DOOR LOCKS & DOOR RELEASES

Electro Magnetic Locks

- Housing: Aluminium
- Dual Voltage: 12 or 24VDC selectable by jumper

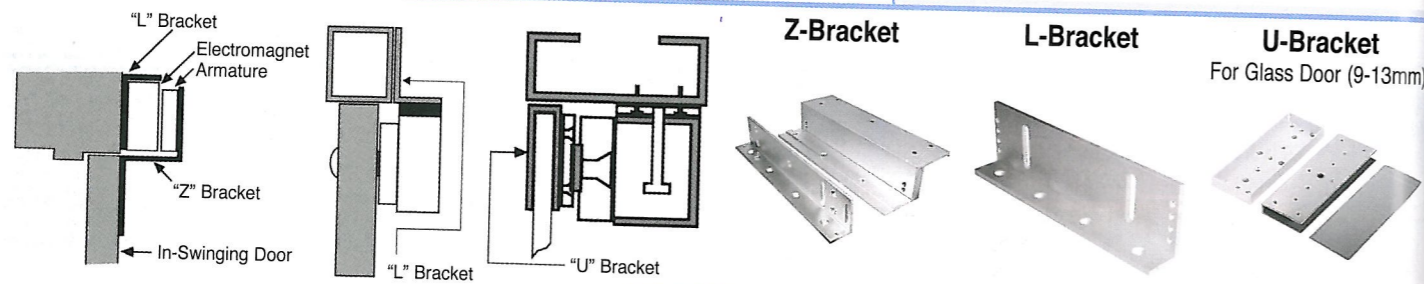


Code	E-941DA-1200	E-941SA-1200	E-941SA-600	E-941SA-80
Power Dual Volts	12VDC/24VDC	12VDC/24VDC	12VDC/24VDC	12VDC/24VDC
Magnet Size	536 x 42 x 67mm	268 x 42 x 67mm	250 x 27 x 42mm	70 x 19 x 31mm
Armature Size	185 x 16 x 61mm	185 x 16 x 61mm	185 x 12 x 38mm	60 x 9 x 31mm
Holding Force	545kg	545kg	272kg	36kg
Supply ±10%	500mA @ 12VDC	500mA @ 12VDC	500mA @ 12VDC	100mA @ 12VDC
(per door)	200mA @ 24VDC	250mA @ 24VDC	250mA @ 24VDC	50mA @ 24VDC
Temperature	-10°C to +55°C	-10°C to 55°C	-10°C to 55°C	-10°C to 55°C
Weight	10kg	5.0kg	2.0kg	340gm

Power Adaptor for 12 VDC: **Code: 15VAP-12VDC-T**

How they work:

When power is applied to the magnetic lock, it turns on the unit's powerful built-in electromagnet. This electromagnet is attracted to the steel armature plate which is mounted on a door, holding the door fast against unauthorized entry. When power to the magnetic lock is turned off, the electromagnet releases the armature plate allowing the door to open.



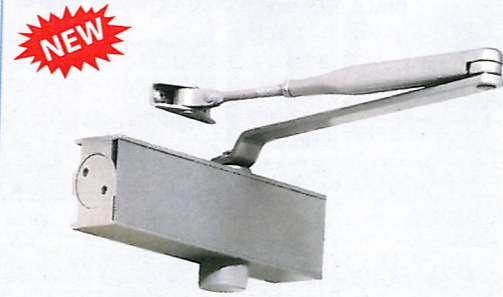
Code	E-941S-1200/Z	E-941S-1200/L	E-941S-1200/U
	E-941S-600/Z	E-941S-600/L	E-941S-600/U

Magnetic Door Release IP42



Code	Wall Mounted (Metal Enclosures)		Wall Mounted (Plastic Enclosure)		Floor (Metal)	Universal (Metal)
	FSMD-24-40	-	FSMD-24-25P	FSMD-24-50P	FSMD-24-50	FSMD-24-100
Code 230VAC	-	FSMD-240-40	FSMD-240-25P	FSMD-240-45P	-	-
Mounting	Wall	Wall	Wall	Wall	Floor	Both (300mm arm)
Nominal Current	75mA	9mA/2W	5mA/1W	7mA/1.6W	75mA	100mA
Circuit Configuration	Solenoid	Solenoid	Solenoid	Solenoid	Solenoid	Solenoid
Holding Force	40Kgf/390N	40Kgf/390N	25Kgf/245N	50Kgf/490N	50Kgf/490N	100Kgf/980N
Housing	Metal base and cover		Plastic base and cover		Aluminium	Aluminium & Steel
Manual Release	-	-	Yes		-	-
Temperature	-	-	-10°C to +40°C		-	-
Weight	0.84Kg	0.93Kg	0.53Kg	0.50Kg	0.90Kg	1.8Kg
Accessories	-	Bracket for floor mounting FSMD-B		-	-	-
Power Supply	15VAP-24VDC-T	-	-	-	-	15VAP-24VDC-T

Surface-Type Door Closer



Code SD-C141S

- Reversible non-handed design
- Metal or wood doors up to 42" wide
- Two separate valve adjustments for easy setting of sweep and latch speed
- Back plate slides into place to cover adjustments
- Narrow projection of 13/8"
- Anodized aluminium body
- Silver finish
- Forged steel arms

ELECTRICAL DOOR LOCKS

Electrical Door Locks



Code	EL-971B	EL-271-NO	FER-2911
Features	<ul style="list-style-type: none"> • Fail-secure • 12V DC operation • 450mA rated current • Size(mm): 150(L) x 25(W) x 33(H) • Normally de-energised 	<ul style="list-style-type: none"> • Fail-secure • 12V DC operation • 450mA rated current • Size(mm): 160(L) x 25(W) x 31(H) 	<ul style="list-style-type: none"> • Fail-secure • 8-12V DC operation • Size(mm): 160(L) x 25(W) x 31(H)

Dual Output Multi-Purpose Power Supply

Code	AD-1312
Features	<ul style="list-style-type: none"> • Operating voltage: 220-240VAC, 50Hz • 13.7VDC/ 300mA regulated source • 12VDC/ 3A unregulated power source (3A for Fail-secure/ 1.5A for Fail-safe) • Constant voltage charger for back-up (Battery not included (12V/ 1.2Ah)) • 0.5-20secs controllable timer for output relay • Built-in facility for egress buttons • Dimensions: 204(H) x 108(W) x 67(D) mm • The power pack can work independently or with other access control device to form a complete door access system

Electric Deadbolts



Code	EB-281	MB-280
Features	<ul style="list-style-type: none"> • Fail-safe (As a fail-safe locking device, the doors open automatically once the power is cut, locked when energised). • 12V DC operation • 900mA at start, 150mA at standby • 16mm Dia, stainless steel bolt; 16mm through bolt hole 	<ul style="list-style-type: none"> • Mounting bracket for upper glass and glass door • Made of stainless steel plate • Size(mm): 205(L) x 58(W) x 46(H) • Glass thickness: 8-15mm

Power Supply

Code 15VAP-12VDC-T

- Input: 230VAC
- Output: 12VDC
- 15VA unregulated
- Plugs into 15A socket outlet

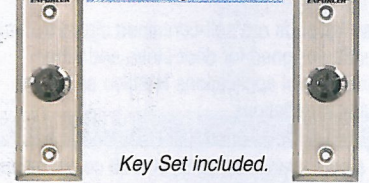
EXIT PUSH BUTTONS

Touch Exit Buttons



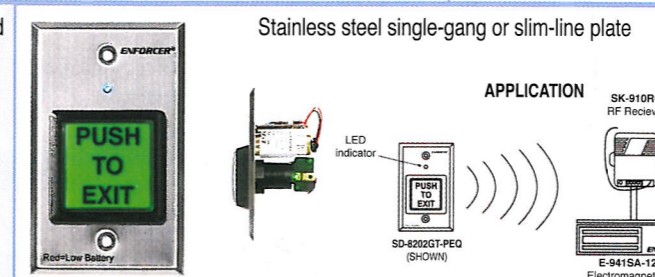
Code	SD-7204SGEX1Q	SD-7104SGEX1Q	SD-7195SGEX1Q	SD-7295SGEX1Q
Description	Stainless Steel Plate and Pushbutton		Stainless Steel Plate and Pushbutton with illuminated White LED (12VDC)	
Contact	NO and NC contact rated 5A @ 250VAC		NO and NC contact rated 5A @ 250VAC	
IP Rating	IP65		IP65	

Exit Key Switch



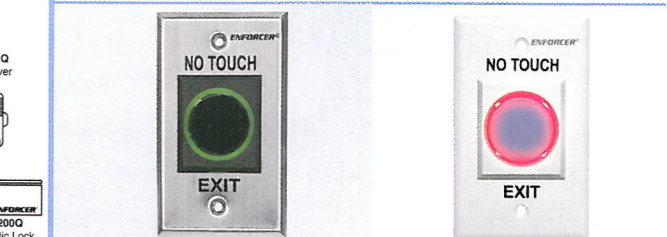
Code	SD-71051-VO	SD-71002-VO
Description	Shunt with single-gang plate	Shunt switch, slim-line plate
Contact	NO and NC rated @ 1A	NO and NC rated @ 1A
IP Rating	IP65	
Replacement Key	Key Set included.	
Code	SS-C90KN-O	

Fits Standard 4 x 2 Box



Code	SD-8202GT-PEQ
Contact	NO and NC contact rated 3A @ 24VDC
Range:	up to 160m
Compatible with receivers:	SK910

No-Touch Exit Buttons



Code	SD-927PKC-NEQ	SD-927PWCQ
Contact	Stainless steel no touch	White no touch
Operating voltage:	12VDC	
Sensing:	100mm	50mm
Reliable infrared technology senses motion	"Ring" illuminator turns from green to red when sensor is activated	
IP Rating	IP40	IP40