

LIGHTING



NEW

NEW

NEW

NEW



Code	HL-13 AWL-009	JLM8931	JLM8933	AWL-006	LK608007	AWL-006-DC
Power	1 million/0.5 million Candle Power	1 million Candle Power	2 million Candle Power	60W max (E27)	60W max (E27)	60W max (E27)
Lamp	12V 55W	12V 55W	12V 100W	230V	230VAC	12VDC
Spare Lamp	H3-12VDC 55W	H3-12VDC 55W	H3-12VDC 100W	-	-	-
Description	6" Spotlight c/w car lighter plug	6" Spotlight c/w car lighter plug	6" Spotlight c/w car lighter plug	Auto Lamp c/w 3m cable	Metal frame with rub- ber protection c/w 3m cable	Connects into car lighter

Portable Lamps



Weather proof

Code	HL-33	CTR3003	JLM2936	JLM2932	JLM2933
Candle Power	1 000 000	1 000 000	2 000 000	2 000 000	3 500 000
Lamp:	6V 55W	6V 55W	6V 55W	6V 55W	12V 100W
Spare Lamp:	H3-6VDC 55W	H3-6VDC 55W	H3-6VDC 55W		H3-12VDC 100W
Spare Battery:	SY640 (6V, 4AH)				2 x SY640
Description:	Spotlight complete with rechargeable battery, car plug and AC mains charger				

LED Portable Lamps

NEW



With tyre gauge

Code	SP24-A054	JLM8760
LEDs	19(head) + 21(side)	3
Battery	6V/ 4AH rechargeable	Hand-crank, rechargeable
Battery Life	7-16 hours (depending on use)	Cranking for 1min gives up to 20mins of light
	• AC charger included • Car charger included	• c/w tyre pressure gauge with digital display and swivel head • 2 Light outputs (1 LED or 3 LEDs)

Wireless LED Picture Light

Code TD6010-1



Size (mm): 285(H)x220(W)x32Ø

- Features:**
- 6 Superbright white LED's that never burn out
 - Wireless
 - One touch On/Off switch with dimmer
 - Pivoting light head and flexible neck
 - Clips to headboard in seconds
 - 3 x AAA Batteries (not incl.)

LED LIGHTING

LED Bicycle Lights



With rear light

Code	SJ-2657	JF404-1W	SJ-2750	SJ-2659
Power Supply	4xAA (not incl.)	3 x AA (36V 600mA) rechargeable (incl.)	3 x AAA (not incl.)	Head 4 x AAA (not incl.) Rear 2 x AAA (not incl.)
No. of LEDs	6	1	5	3
Size (mm)	52 x 80 x 112	85 x 72 x 100	32 x 54 x 80	95 x 30 x 50

LANTERNS

LED Camping Lanterns



Fluorescent Emergency Lanterns



Code	SP25-D017	SP101-2A	NB4114	NB4116	SP-710
Power Supply	Battery: 4 x AA (not incl.)	240V Adaptor & 12 VDC Car lighter charger	1 x 6W 6hrs or 2 x 6W 3hrs	1 x 6W 6hrs or 2 x 6W 3hrs	1 x 6W 6hrs or 2 x 6W 3hrs
LEDs/ Lamp	12	20	6W or 12W	6W or 12W	6W or 12W
Spare Lamp	-	-	FLT5-6	FLT5-6	FLT5-6
Battery	-	SY430 (4V/3.0Ah)	SY632 (6V/3.2AH)	SY632 (6V/3.2AH)	SY640 (6V/4AH)
Battery life	up to 12hrs	5-6hrs	Battery not replaceable. c/w 230V charger and 12VDC car lighter plug.		

LED WORKING LIGHTS

NEW

Rechargeable



Top View

With magnet

Code	SJ-2678	SP-W816E	SP-W805	SP-W814
Power	240V Adaptor & 12VDC Car lighter charger	1800mAh	900mAh	3 x 900mAh
LEDs	60	60	26	4(top) + 27(inside)
Battery life	5-6hrs	5-6hrs	4-5hrs	6-7hrs

PLASTIC ENERGY SAVING LEAD LIGHTS



Code	GXM06016	GXM06029B	SP-WL10	HS-112	AWL-007
Power	12V 8W	12V 15W	230V 8W	230V 13W	230V 13W
Battery life	Cord: 2.8m	Cord: 2.8m	Cord: 5m	Cord: 4.6m	Cord: 6.5m

LED LIGHTING

LED Keychain Lights



Code	SJ-2410W	SJ-2639	SP-1700A	SJ-2630	SP-F08
Batteries	4xAG3 (incl.)	3xAAA (not incl.)	3x AAA (not incl.)	2xD (not incl.)	3x C (not incl.)
Size (mm)	55L x 10Ø	101L x 30Ø	138L x 42Ø	220L x 57Ø	255L x 43Ø
No. of LEDs	1	12	16	1 (10mm)	1x8W

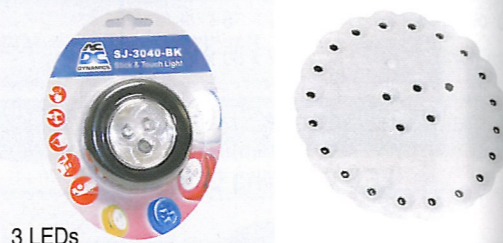
Rechargeable LED Flashlights



Code	SJ-3005	SP-018	SP-T1000	SJ-3040*	CJ-2703
Batteries	-	-	3.7V NiMH (incl.)	3 x AAA (not incl.)	2 x AA (not incl.)
Size (mm)	135L x 45W x 50H	170L x 27Ø	155L x 32Ø	68Ø	135Ø
No. of LEDs	5	1	1		

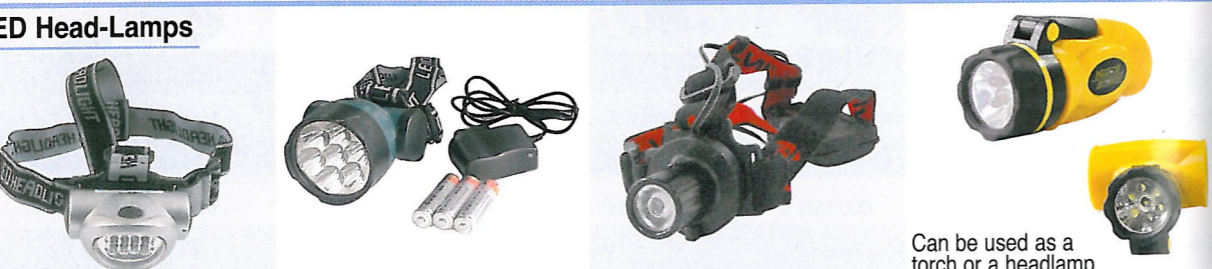
Stick & Touch Light

LED Camping Light



Code	SJ-3040*	CJ-2703
Batteries	3 x AAA (not incl.)	2 x AA (not incl.)
Size (mm)	68Ø	135Ø
No. of LEDs	3	3

LED Head-Lamps



Code	SJ-2469	SP22-B058B	SP-JF101	SP-402-7C
Power Supply	3x AAA (not incl.)	3x AA/ 240V Adaptor	3x AAA (not incl.)	3x AAA (not incl.)
No. of LEDs	8	7	1x 1W LED	9

LED TORCH C/W BATTERIES

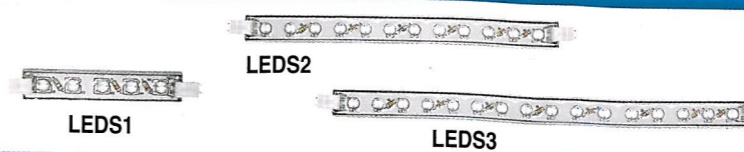


Code	AC462	AC474	AC354	AC328	AC391
Batteries	2 x D	2 x AA + 2 x AA	4 x AAA	-	2 x D
Lamp Type	7 LEDs	3 LEDs	7 LEDs	1 LED	Xenon Bulb

LED RIGID STRIP LIGHTS

IP65

Supply Volts 24VDC
Aluminium Housing



Size	80mm			600mm			900mm		
	Code	MCD	mA	Code	MCD	mA	Code	MCD	mA
Red	LEDS1-R 24VDC	1000	20	LEDS2-R 24VDC	8400	140	LEDS3-R 24VDC	10800	180
Green	LEDS1-G 24VDC	1750	20	LEDS2-G 24VDC	14700	140	LEDS3-G 24VDC	18900	180
Yellow	LEDS1-Y 24VDC	1000	20	LEDS2-Y 24VDC	8400	140	LEDS3-Y 24VDC	10800	180
Blue	LEDS1-B 24VDC	1500	20	LEDS2-B 24VDC	12600	140	LEDS3-B 24VDC	16200	180
White	LEDS1-W 24VDC	1750	20	LEDS2-W 24VDC	14700	140	LEDS3-W 24VDC	18900	180

Accessories



Code	Description
SLC-100	100mm 2-wire c/w connectors for connecting two strips
SLC-300	300mm 2-wire c/w connectors for connecting two strips
SLC24-0.4A	230/24VDC 0.4A Power Supply for LED Strips

SMD Bars Non-Weatherproof - open type Rigid P.C.B

Supply Volts 12VDC
LED Type 3528

Size	500 x 8mm				
	Code	Colour	LEDs	Lumen per LED	Total Watts
IMG-B30R-S	Red	30	2	1.2W	
IMG-B30G-S	Green	30	3.6	1.2W	
IMG-B30Y-S	Yellow	30	2	1.2W	
IMG-B30B-S	Blue	30	1.7	1.2W	
IMG-B30PW-S	Pure White	30	4.4	1.2W	
IMG-B30WW-S	Warm White	30	4.4	1.2W	

Weatherproof SMD Bars IP65 - Aluminium Housing

Supply Volts 12VDC
LED Type 3528

Size	510 x 10mm				
	Code	Colour	LEDs	Lumen per LED	Total Watts
IMG-B30R-SF	Red	30	2	1.2W	
IMG-B30G-SF	Green	30	3.6	1.2W	
IMG-B30Y-SF	Yellow	30	2	1.2W	
IMG-B30B-SF	Blue	30	1.7	1.2W	
IMG-B30PW-SF	Pure White	30	4.4	1.2W	
IMG-B30WW-SF	Warm White	30	4.4	1.2W	

Tri-Chip (High Intensity Pure White) - open type Rigid P.C.B

Supply Volts 12VDC
LED Type 5050

Size	500 x 11.7mm			
	Code	LEDs	Lumen per LED	Total Watts
IMG-B15CW-3S	15	17	3.6W	

Accessories - per pack of 10

IMG-ACHH-4/10	Mounting Clip for IMG-B30X-S	IMG-ACHH-4	IMG-ACC2-2
IMG-ACC2-2/10	2-wire white connector		
IMG-ACHH-5/10	Mounting clip for IMG-B15-3S	IMG-ACHH-5	

Slim Type SMD Bar Pure White - open type Rigid P.C.B

Supply Volts 12VDC, LED Type 3528

Size	500 x 4 x 3.5mm			
	Code	LEDs	Lumen per LED	Total Watts
SABL-45S3528-W	45	4.4	7.2W	

Accessories

IMG-ACHH-2/10	Mounting clip/ 10		
IMG-ACC2-1F/5	Mini waterproof 2-wire connector/ 5		
IMG-ACEP2-F/10	Mini waterproof end-cap/ 10		
IMG-ACHH-2		IMG-ACC2-1F	IMG-ACEP2-F

Slim Type SMD Bar - open type Rigid P.C.B

Supply Volts 12VDC, LED Type 3020

Size	300 x 4 x 3mm				
	Code	Colour	LEDs	Lumen per LED	Total Watts
SBL-24S3020-R	Red	24	1.26	1.44W	
SBL-24S3020-Y	Yellow	24	1.26	1.44W	
SBL-24S3020-B	Blue	24	0.47	1.44W	
SBL-24S3020-G	Green	24	2.2	1.44W	
SBL-24S3020-W	White	24	4.4	1.44W	

LED Noble Light IP65 - Aluminium Housing Linkable

Supply voltage 12 VDC, LED Type 5050 Size: 17.4W x 11.4H

Code	Colour	LEDs	Lumen	Length	Power	Max units in series
NL24-WW	Warm White	24	252lm	500mm	4.5W	10
NL24-PW	Pure White	24	312lm	500mm	4.5W	10
NL24-RGB	RGB	24	220lm	500mm	4.5W	10
NL48-WW	Warm White	48	576lm	1000mm	9W	5
NL48-PW	Pure White	48	624lm	1000mm	9W	5
NL48-RGB	RGB	48	440lm	1000mm	9W	5

• 50 000 hour life time
• For power supply and RGB controller see page 491.
• Can be directly connected to each other or via a connection cable

LED FLEXIBLE STRIP LIGHTS

Non-Weatherproof SMD - 12VDC Standard Power

Size: 8 x 2.5mm



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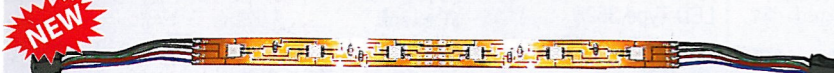
- LED Type 3528
- With self-adhesive backing
- Cutting length every 3rd LED
- Max pcs connected on same supply 2 x 5m

Code	No. of LEDs	Max Power	Lumen/m	LED Spacing	Length	PCB colour
IMG-R30*-S	30/0.5m	2.4W/0.5m	R:120 Y:120 G:240 B:150 CW:390 WW:360	11.1mm	500mm	Orange
LD30-R3528*	30/m	2.4W/m	R:120 Y:120 G:240 B:150 CW:390 WW:360	33.5mm	5m	Orange
LD60-R3528*	60/m	4.8W/m	R:120 Y:120 G:240 B:150 CW:390 WW:360	16.7mm	5m	Orange

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

Non-Weatherproof SMD - 12VDC High Power

Size: 11.7 x 2.5mm



NEW

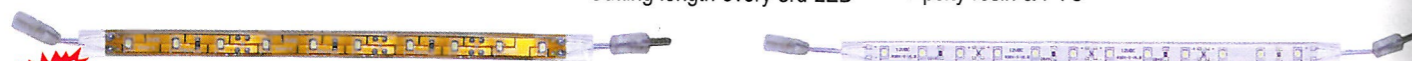
- LED Type 5050
- With self-adhesive backing
- Cutting length every 3rd LED
- Max pcs connected on same supply 1 x 5m. With amplifier SP106F for RGB only 2 x 5m (10m)

Code	No. of LEDs	Max Power	Lumen/m	LED Spacing	Length	PCB colour
LD30-R5050*	30/m	7.2W/m	R:180 Y:180 G:360 B:225 CW:585 WW:540 RGB: (R:60 G:120 B:75)	33.5mm	5m	Orange
LD60-R5050*	60/m	14.4W/m	R:360 Y:360 G:720 B:450 CW:1170 WW:1080 RGB: (R:120 G:240 B:150)	16.7mm	5m	Orange

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

Weatherproof SMD IP65 - 12VDC Standard Power

Size: 10 x 4mm



NEW

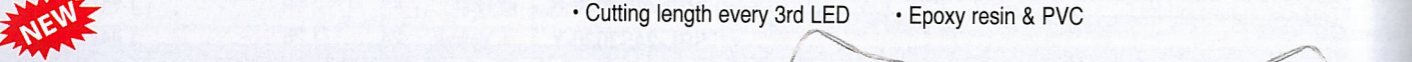
- LED Type 3528
- With self-adhesive backing
- Cutting length every 3rd LED
- Max pcs connected on same supply 2 x 5m
- Epoxy resin & PVC

Code	No. of LEDs	Max Power	Lumen/m	LED Spacing	Length	PCB colour
IMG-OR30*-SF	30/0.5m	2.4W/0.5m	R:120 Y:120 G:240 B:150 CW:390 WW:360	16.7mm	500mm	Orange
IMG-WR30*-SF	30/0.5m	2.4W/0.5m	R:120 Y:120 G:240 B:150 CW:390 WW:360	16.7mm	500mm	White
LD60-W3528*	60/m	4.8W/m	R:120 Y:120 G:240 B:150 CW:390 WW:360	16.7mm	5m	Orange
LD60W-W3528*	60/m	4.8W/m	R:120 Y:120 G:240 B:150 CW:390 WW:360	16.7mm	5m	White

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

Weatherproof SMD IP65 - 12VDC High Power

Size: 14 x 4mm



NEW

- LED Type 5050
- With self-adhesive backing
- Cutting length every 3rd LED
- Max pcs connected on same supply 1 x 5m with amplifier SP106F for RGB only 2 x 5m (10m)
- Epoxy resin & PVC

Code	No. of LEDs	Max Power	Lumen/m	LED Spacing	Length	PCB colour
IMG-OR15*-3SF	15/0.5m	3.6W/0.5m	R:180 Y:180 G:360 B:225 CW:585 WW:540 RGB: (R:60, G:120, B:75)	33.5mm	500mm	Orange
IMG-WR15*-3SF	15/0.5m	3.6W/0.5m	R:180 Y:180 G:360 B:225 CW:585 WW:540 RGB: (R:60, G:120, B:75)	33.5mm	500mm	White
LD30-W5050*	30/m	7.2W/m	R:180 Y:180 G:360 B:225 CW:585 WW:540 RGB: (R:60, G:120, B:75)	33.5mm	5m	Orange
LD60-W5050*	60/m	14.4W/m	R:360 Y:360 G:360 B:450 CW:1170 WW:1080 RGB: (R:120, G:240, B:150)	16.7mm	5m	Orange
LD30W-W5050*	30/m	7.2W/m	R:180 Y:180 G:360 B:225 CW:585 WW:540 RGB: (R:60, G:120, B:75)	16.7mm	5m	White
LD60W-W5050*	60/m	14.4W/m	R:360 Y:360 G:360 B:450 CW:1170 WW:1080 RGB: (R:120, G:240, B:150)	16.7mm	5m	White

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

FLEXIBLE LED STRIP LIGHTS

Weatherproof SMD IP68 - 12VDC

Size: 13.5 x 4.4mm



- Silicon gel insulated tube

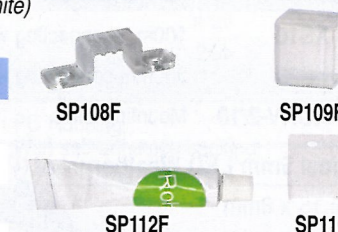
- LED Type SMD3528 for single colour.
- LED Type SMD5050 for RGB
- With self-adhesive backing
- Min cutting length every 3rd LED
- Viewing angle 120°
- Max pcs connected on same supply 1 x 5m with amplifier SP106F 2 x 5m(10m)

Code	No. of LEDs/m	Max Power	Lumen/m	LED Spacing	Length	PCB colour
FLED-3528-*	60/m	4.8W/m	R:120 Y:120 G:240 B:150 CW:390 WW:360	16.7mm	5m	Orange
FLED-5050-RGB	30/m	7.2W/m	RGB: (R:60 G:120 B:75)	33.5mm	5m	Orange

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

Accessories

Code	Description	Pack Size
SP108F	Mounting clips (plastic)	100
SP109F	End cap with no holes	10
SP110F	End cap with 2 holes	10
SP112F	8g silicon gel	10



Smart Flex LED Strip Weatherproof IP65 - 5VDC

Size: 17.6 x 4.8mm



- With self-adhesive backing
- Min cutting length every 2nd LED
- Viewing angle 120°
- 83 functions, colour chasing, colour mixing, dimming, many effects.
- Can work with SD card system to show images

Code	No. of LEDs/m	Max Power	Lumen/m	LED Spacing	Length	PCB colour
FLED-0901-RGB	30	7.2W/m	RGB: (R:64 G:128 B:80)	33.5mm	5m	White

Non-Weatherproof Smart Flex LED Strip - 5VDC



Code	No. of LEDs/m	Max Power	Lumen/m	LED Spacing	Length	PCB colour
FLED-N901-RGB	30	7.2W/m	RGB: (R:64 G:128 B:80)	33.5mm	5m	White

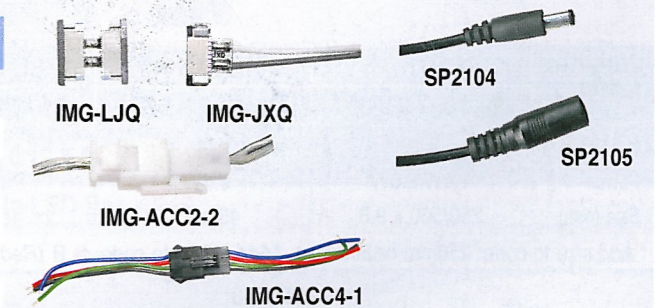
Accessories

Code	Description
SF-2001	230VAC controller with 83 different functions, c/w remote
SNP-50W/5	Power supply for FLED-0901 5VDC, 10A



Accessories for Non-Weatherproof SMD Strips

Code	Description	Pack Size
IMG-LJQ/10	2-Wire double sided connector for IMG-R30 strips	10
IMG-JXQ/10	2-Wire single-sided connector for IMG-R30 strips	10
IMG-ACC2-2/10	2-Wire white connector	10
SP2104	12V Male plug	1
SP2105	12V Female plug	1
IMG-ACC4-1	4-Wire connector for RGB strips	1

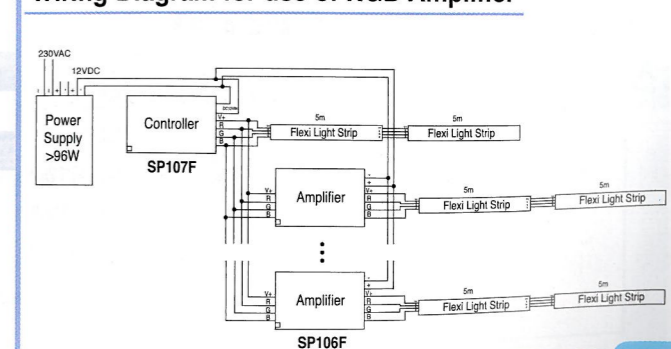


Accessories for Weatherproof SMD Strips

Code	Description	Pack Size
SP104F	4 Wire 12V Male Plug	1
SP105F	4 Wire 12V Female Plug	1
IMG-ACC2-1F/5	Mini waterproof 2-wire connector IP65	5
IMG-ACEP2-F/10	Weatherproof end cap	10
IMG-ACHH-1/10	Flat transparent Mounting Clip for weatherproof LED strips	10



Wiring Diagram for use of RGB Amplifier



FLEXIBLE LED STRIP LIGHTS

Vertical 5mm LED Non-Weatherproof - 12VDC

Size: 15 x 5mm



- Cutting length every 3rd LED 50mm
- Viewing angle 110°
- Max pcs connected together on same supply: 15pcs

Code	No. of LEDs	Max Power	Lumen/pc	LED Spacing	Length	PCB colour
IMG-R18*	18/pc	1.08W/pc	R:34 G:50 B:20 Y:34 CW:51 WW:47	16.7mm	300mm	White

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

Accessories

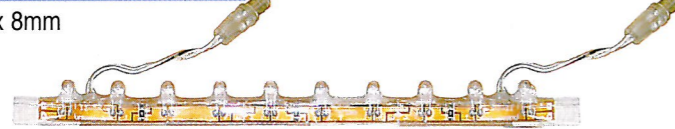
Code	Description	Pack Size
IMG-XS10	100mm connecting wire for IMG-R18 strips	1pc
IMG-XS30	300mm connecting wire for IMG-R18 strips	1pc
IMG-ACHV-2/10	Mounting Clips	10pcs



IMG-ACHV-2/10
Mounting Clips

Vertical 5mm LED Weatherproof IP65 - 12VDC

Size: 15 x 8mm



- Cutting length every 3rd LED 50mm
- Viewing angle 110°
- Max pcs connected together on same supply 6m

Code	No. of LEDs	Max Power	Lumen/m	LED Spacing	Length	PCB colour
FLED-1302*	60/m	3.6W/m	R:109 Y:131 G:198 B:74 CW:221 WW:165	16.7mm	3m	Orange

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

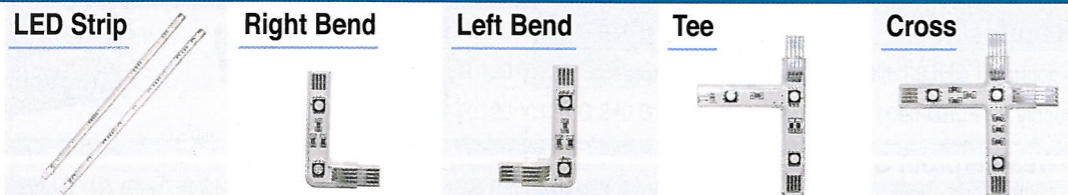
Accessories

Code	Description	Pack Size
IMG-ACHV-1/10	Mounting clip for vertical weatherproof LED strips	10pcs
IMG-ACC2-1F/5	Mini waterproof 2-wire connection for FLED-1302 IP65	5pcs
IMG-ACEP2-F/10	Weatherproof end cap	10pcs



IMG-ACEP2-F IMG-ACC2-1F

LED STRIP CONNECTION SYSTEM

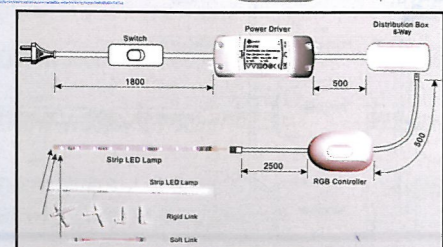


Code	SL101-*	SL-CL11-*	SL-CL12-*	SL-CT1-*	SL-CC1-*	ES15-*
	SL102-*-RGB	SL-CL21-RGB	SL-CL22-RGB	SL-CT2-RGB	SL-CC2-RGB	
No. of LEDs	9/18	2	2	3	3	15
Power	1.4W/2.8W	0.5W	0.5W	0.5W	0.5W	0.7W
Size (mm)	250/500 x 9.8	45 x 21	45 x 21	56 x 45	56 x 56	50.5Ø x 18.5

* Add size to code: 250mm or 500mm. *Add colour to code: ● R (Red), ● Y (Yellow), ● GN (Green), ● BL (Blue), ○ PW (Pure White)



Application

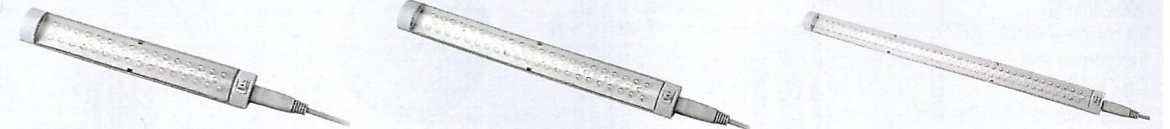


Code	Description
ED1230	Power driver 12V 25W max
SL-C10	RGB controller (10 functions)
SL-DB6	6-Way distribution box for use with LED strips
SL-DB12	12-Way distribution box for use with LED spot lights
SL-SC	Soft link for connecting LED strips to each other (80mm long)
SL-IC	Initial connector for connecting LED strips to power driver (2500mm long)

LED STRIP LIGHTING

5mm LED Strip Lights

Supply Voltage 230VAC
1m Cable & Plug included

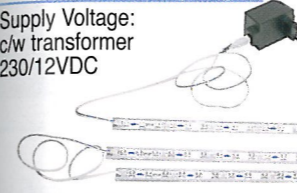


Code	HLI00301-*	HLI00401-*	HLI00501-*
Size:	250L x 36W x 35Dmm	330L x 36W x 35Dmm	550L x 36W x 35Dmm
LEDs:	47 x 0.06W (2.7W)	65 x 0.06W (3.6W)	121 x 0.06W (6.8W)
IP Rating:	IP20	IP20	IP20
Lumen:	141	195	254

* Add colour to code: ○ CW (Cool White), ○ WW (Warm White)

Piranha LED Strip Lights

Supply Voltage:
c/w transformer
230/12VDC



- Open PC Housing
- With self-adhesive backing

- PC Housing
- With self-adhesive backing

- PC Housing
- With self-adhesive backing
- c/w mounting clips

Linkable

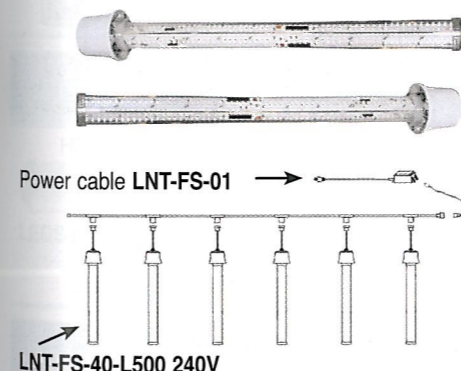
Code	HLI00702-*	HLI00802-*	HLI00601-*
Size:	426L x 13W x 14Dmm	450L x 17W x 17Dmm	1000L x 22W x 22Dmm
LEDs:	21 x 0.08W (1.6W)	21 x 0.08W (1.6W)	70 x 0.06W (4.2W)
IP Rating:	IP20	IP20	IP65
Lumen:	60	60	210
Kit includes:	3Pcs + Transformer	3Pcs + Transformer	230VAC direct supply

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

LED Neon Tube (Falling Star Effect) IP40

Code	Description
LNT-FS-40-L500 240V	LED neon tube, falling star function, Ø40mm PC tube (clear), 180 LEDs (3 x 60LEDs), 500mm long. 240VAC
LNT-FS-01	Curtain main cable for LNT-FS set with 6pcs connectors for 6pcs LNL-FS-40-L500-240V / set; each tip: 1m (total length 6m). Note: max 10 sets can be extended. c/w power cable 2 pin Euro plug and end cap.

- Sold per piece. 1 to 6pcs.
- 360° view angle on light
- 2 Effects: Falling Star & Raindrop
- 3 Speed
- Material: PC Clear Tube



LED BAR LIGHTS



Code	Length	Power	Code	Power	Length
JL-CG-005-*	500mm	6W	TL4050-*	12 x 0.2W	442mm
JL-CG-010-*	1m	12W			

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

- Supply voltage: 24VDC
- For power supplies, see page 491
- Epoxy Resin Sealed
- Aluminium Housing

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

- Aluminium Housing
- Linkable

LED RIGID STRIP KITS

NEW RANGE

LED Strip Kits - Rigid P.C.B.

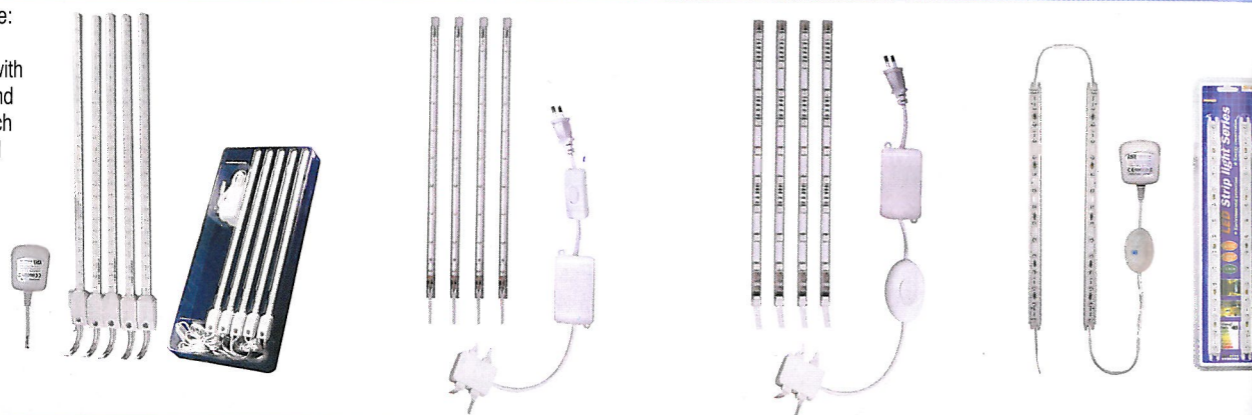
Supply Voltage: 100-240VAC
Kit complete with transformer and ON/OFF Switch.
Blister Packed



Code	LS1769-1-*	LS1769-4-*	LS1779-30-*	LS1779-50-*
Size (mm)	300L x 12W x 8.5H	300L x 12W x 8H	311.5L x 10.5W x 4H	511.5L x 10.5W x 4H
Lumen	180lm	100lm	120lm x 2	200lm
LEDs	27	15 x 4	18 x 2	30
IP rating	IP44	IP44	IP65	IP65

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

Supply Voltage: 100-240VAC
Kit complete with transformer and ON/OFF Switch.
Blister Packed



Code	LS1105-CW	EL206763-K-RGB	EL206764-K-*	LS1731-*
Size (mm)	400L x 23W x 13H	260L x 9.5W x 7H	272L x 8.6W x 6H	305L x 15W x 13.5H
Lumen	35lm	-	-	105lm x 2
LEDs	48 x 5	9 x 4	9 x 4	15 x 2
IP rating	IP65	IP20	IP20	IP44
Colour	Cool White only	RGB only		

*Add colour to code: ○ DL (Daylight), ○ WW (Warm White)

LED FLEX STRIP KITS

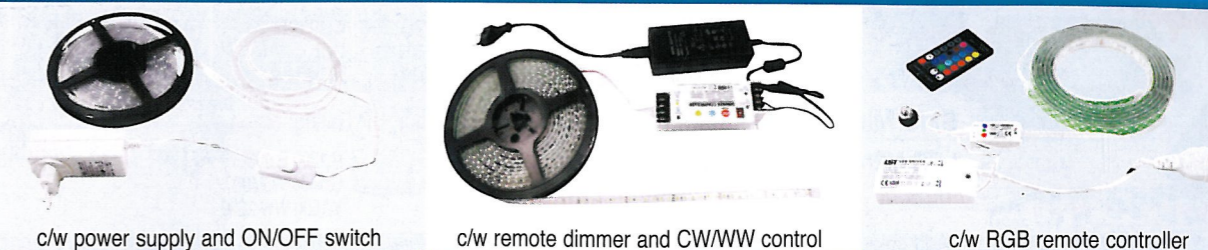
Supply Voltage: 100-240VAC
Kit complete with transformer and ON/OFF Switch.
Blister Packed



Code	LS1739-*	LS1732-*	LS1732H-*	LS1756K-RGB
Size (mm)	463(L) x 12(W) x 3(H)	307(L) x 10(W) x 3(H)	307(L) x 10(W) x 3(H)	2000(L) x 14(W) x 4(H)
Lumen	280lm	80lm	80lm	9lm/ LED
LEDs	45	12 x 2	12 x 3	60
IP rating	IP65	IP44	IP44	IP44

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White)

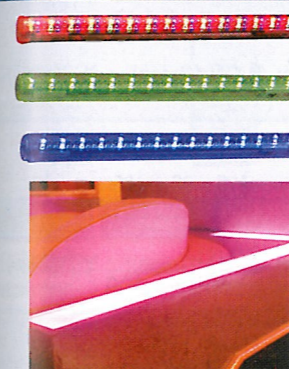
LED FLEX STRIP KITS



Code	LS1761P-*	LS1778-CW/WW	LS1702P-RGB
Size (mm)	5000L x 8W x 4H	5000L x 14W x 4H	5000L x 14W x 4H
Lumen	1400lm	1400lm	N/A
LEDs	300Pcs (24W)	600Pcs (48W)	150Pcs (36W)
IP Rating	IP20	IP65	IP65

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

LED BAR LIGHTS IP65



Technical Specification

Each supplied with 2 x 300mm cable (in/out) and 2 plastic mounting clips

Code	LN-MN-300-24V-M	LN-MN-1000-24V-M
Power:	6W	18W
Current:	0.17A	0.47A
Voltage:	24VDC	
LED Colour Number:	R=15 G=15 B=15	R=45 G=45 B=45
Size:	375L x 45W x 45H (mm)	1035L x 45W x 45H (mm)
Weight:	110g	330g
Life:	100,000 Hours	
Control Method:	SL-410-2A-24V or SRC-171 (10A)	SL-410-2A-24V or SRC-171 (10A)
Max. Units Linkable:	10Pcs 60Pcs	4Pcs 20Pcs

LED BORDER LIGHTS IP65



Size	1000mm x 50mm Ø	
Colour	Code	mA
R,G,B	*LEDS4-M 230VAC	420

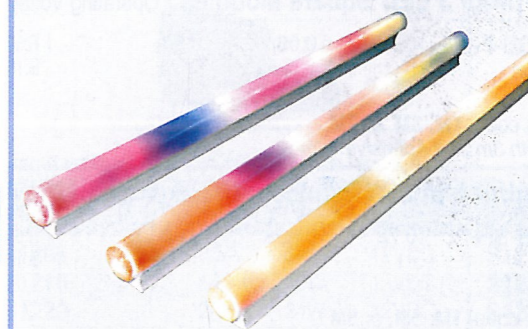
*Controller required for operation: LEDS4-P1
Material: Aluminium base with UV Polycarbonate shield in milky white colour.

Accessories

Controller for LEDS4



Code	LEDS4-P1
Controls up to 100 tubes	
Modes: single colours, multicolour, colour fading, random colours, time.	



Size	1000(L) x 38(W)x 48(H) mm	
Colour	Code	Watts
R, G, B	LN-BL-4W-R1	9.2W

Material: Aluminium base with UV Polycarbonate shield in milky white colour.
Complete with 8 function controller SL-410-2A
Up to 50 tubes linkable with same controller

Accessories

Spare Controller

Description	Code
230VAC 8 Function Controller	SL-410-2A



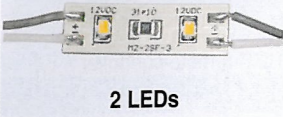


NEW RANGE

LED MODULES

Code	Wattage Per Module	Current Per Module (mA)	Max Modules connected together	Lumen per Module	Viewing Angle	Module Size (mm) W x L	Spacing Between Modules	N° of modules p/m
SMD Mini Modules • Operating Voltage: DC12V • Indoor • IP Rating: None								
LED-M2*-S**	0.24	0.02A	100	R:1200 B:500 G:1400 W:2400 Y:1500 WW:2300	>120°	10 x 31	35mm	9

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White), ● R (Red), ● BL (Blue), ● GN (Green), ● Y (Yellow)
**Add length to code: 1M, 3M, or 5M
• Complete with 3m Self Adhesive Tape



2 LEDs

3 LED Modules • Operating Voltage: DC12V • Indoor • IP Rating: None								
LED-M3*-**	0.24	0.02A	100	R:3600 B:1500 G:4800 W:6000 Y:3300	>90°	14 x 78	65mm	8

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White), ● R (Red), ● BL (Blue), ● GN (Green), ● Y (Yellow)
**Add length to code: 1M, 3M, or 5M



3 LEDs

Waterproof 2 LED Piranha Modules • Operating Voltage: DC12V • IP Rating: IP68								
LED-M2*-F**	0.24	0.02A	100	R:2400 B:1000 G:3200 W:4000 Y:2200 WW:3600	>90°	18 x 60	65mm	9

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White), ● R (Red), ● BL (Blue), ● GN (Green), ● Y (Yellow)
**Add length to code: 1M, 3M, or 5M



2 LEDs

Waterproof 3 LED Piranha Modules • Operating Voltage: DC12V • IP Rating: IP68								
LED-M3*-F**	0.24	0.02A	100	R:3600 B:1500 G:4800 W:6000 Y:3300 WW:5400	>90°	15 x 80	65mm	8

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White), ● R (Red), ● BL (Blue), ● GN (Green), ● Y (Yellow)
**Add length to code: 1M, 3M, or 5M



3 LEDs

Waterproof 4 LED Modules • Operating Voltage: DC12V • IP Rating: IP68								
LED-M4*-JF**	0.48	0.04A	50	R:4800 B:2000 G:6400 W:8000 Y:4400 WW:7200	>90°	30 x 43	75mm	9

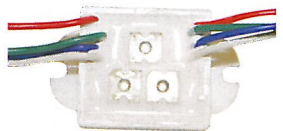
*Add colour to code: ○ CW (Cool White), ○ WW (Warm White), ● R (Red), ● BL (Blue), ● GN (Green), ● Y (Yellow)
**Add length to code: 1M, 5M, or 10M



4 LEDs

RGB Waterproof 3 LED Square Modules • Operating Voltage: 12VDC • IP Rating: IP68								
LED-MS1RGB-F*	0.72	0.06A	50	R:500 G:650 B:180	>90°	45 x 27	75mm	10

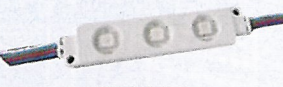
*Add length to code: 1M, 3M, or 5M
• Complete with 3m Self Adhesive Tape



R1 G1 B1

RGB Waterproof 3 LED Modules • Operating Voltage: DC12V • IP Rating: IP68								
LED-M3RGB-SF*	0.72	0.06A	80	R:500 G:650 B:180	>120°	85 x 17	20mm	7

*Add length to code: 1M, 3M, or 5M



R3 G3 B3

High Power LED Module • Operating Voltage: DC12V • IP Rating: IP65								
LED-M1A	0.72	0.06A	50	CW:72 WW:65	>120°	42 x 20	75mm	9
LED-M1P-F*	0.25	0.02A	100	CW:18 WW:16	>120°	30 x 24	75mm	10

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White), ● R (Red), ● BL (Blue), ● GN (Green), ● Y (Yellow)
**Add length to code: 1M, 3M, or 5M
Aluminium heat sink to dissipate heat better

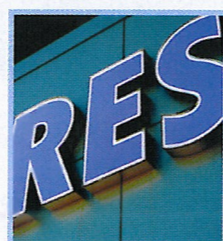


LED-M1A



LED-M1P

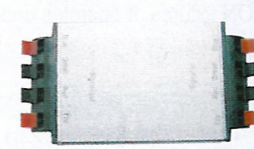
Application



NEW RANGE

CONTROLLERS & POWER SUPPLIES

Code	SP106F	GT-2601	WD95-DC12	WLD95-DC12
Supply Volts	12VDC	12VDC	230VAC	12VDC
Description	RGB Amplifier 48 Watts (4A)	RGB Controller, 6A per channel	Wired dimmer 48W (4A)	Wireless dimmer 48W (4A)
Size	104 x 65 x 24mm	105 x 75 x 29mm	89L x 59W x 35H mm	65L x 39W x 22H mm



Code	SP107F	LS0958B	IMG-DV512	DMX-512-12V
Supply Volts	12VDC	12/ 24VDC	12VDC	12VDC
Description	RGB Controller with remote for preloaded programs (Fading & Flashing effects); 45 Watts (4A) per channel; 9 Changing Patterns	LED RGB Controller with remote control. Dimming function and 20 colour changing patterns set via remote. 12V (180W) per channel. Can be connected to another controller in master/ slave configuration.	DMX-512 Decoder Driver - for use with DMX-512 Controller. Transfers DMX signal into an analogue signal to drive RGB LED products. Drive Power: 180W (15A)	DMX-512 is a full colour LED control system. c/w Scene-edit software, DMX-512 Controller and DMX-512 Driver. Lighting effects can be designed on a computer and then downloaded into the controller. c/w Remote control. 8 Levels speed adjust. Outputs: XLR-3 Male and RJ 45

Power Supplies. Plug into 2 Pin Euro Socket
Supply: 230VAC



• Input voltage: 100 - 240VAC (Switch Mode Type)

Power Supplies with SA Plug

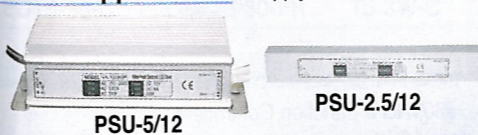
• Input voltage: 100 - 240VAC



Code	Amps	Watts	Output Volts	Code	Amps	Watts	Output Volts	Code	Amps	Watts	Size W x L x H
EU1215 2.1	0.15A	1.8W	12VDC	S1205	0.5A	6W	12VDC	S1210D	1A	12W	86 x 48 x 30mm
EU1230 2.1	0.3A	3.6W	12VDC	S1210	1A	12W	12VDC	S1220D	2A	24W	98 x 47 x 31mm
EU1250 2.1	0.5A	6W	12VDC	S1220	2A	24W	12VDC	S1230D	3A	36W	110 x 56 x 33mm
EU12100 2.1	1A	12W	12VDC					S1240D	4A	48W	110 x 56 x 33mm
EU12200 2.1	2A	24W	12VDC					S1250D	5A	60W	112 x 54 x 32mm
EU2430 2.1	0.3A	7.2W	24VDC								
EU2450 2.1	0.5A	12W	24VDC								

• Short Circuit protection
• Overload protection

Power Supplies IP68 - Supply Volts 170 - 250VAC



Code	Amps	Watts	Output Volts	Size (mm) L x W x H
PSU-1.5/12	1.5A	20W	12VDC	162 x 27 x 21mm
PSU-2.5/12	2.5A	30W	12VDC	177 x 31 x 21mm
PSU-5/12	5A	60W	12VDC	133 x 62 x 38mm
PSU-8.3/12	8.3A	100W	12VDC	205 x 132 x 65mm
PSU-12.5/12	12.5A	150W	12VDC	205 x 117 x 58mm

Box Type Power Supplies IP20 - Supply Volts 90 - 250VAC

Watts	Code	Amps	Size (mm) L x W x H	Output Volts
25W	SNP-25W/12	1.7A	84 x 58 x 38	12VDC
40W	SNP-40W/12	3.5A	129 x 98 x 38	12VDC
60W	SNP-60W/12	5A	159 x 98 x 38	12VDC
100W	SNP-100W/12	8.5A	199 x 98 x 38	12VDC
120W	SNP-120W/12	10A	199 x 98 x 38	12VDC
150W	SNP-150W/12	12.5A	199 x 98 x 38	12VDC
200W	SNP-200W/12	16.5A	200 x 110 x 50	12VDC
250W	SNP-250W/12	20A	200 x 110 x 50	12VDC
350W	SNP-350W/12	30A	215 x 115 x 52	12VDC

Note: for 24VDC power supplies, see page 69.

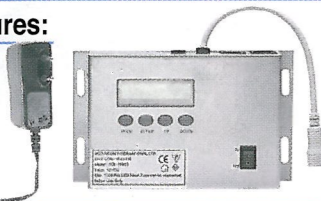
LIGHT CONTROLLERS

SDL-109C1 controller is specially designed for controlling LEDNEON (multi-colour changing type). In order to create more colourful effects for bars, night clubs, building decoration and all kinds of entertainment purposes, etc. Simply connect **SDL-109C1** to the LEDNEON fixtures. It operates under DC9V-12V voltage, and contains 1000 separate addresses with one signal output.

- Complete with 230V Power Supply

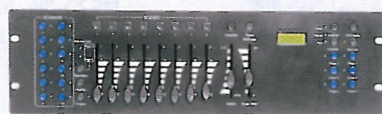
Code	Power	Signal Output	Size
SDL-109C1	230VAC	4 Pin Female Connector, total output 5.1A @ 12VDC	210Lx126Wx44D (mm)
SRC-171	230VAC	8 Outputs, total output 10A @ 24VDC	360Lx310Wx65D (mm)
SRC-174	230VAC	Unique 192DMX Channel Controller	480Lx135Wx80D (mm)
SRC-144	230VAC	52 Channel DMX Controller	300Lx152Wx72D (mm)
SRC-181 230VAC	230VAC	2 Outputs 6A each, total output 12A @ 230VAC	235Lx145Wx112.5D (mm)
SRC-181 12VDC	230VAC/12VDC	2 Outputs 6A each, total output 12A @ 12VDC	235Lx145Wx112.5D (mm)
SL-SC-C8	230VAC	8 Channel, 1A @ 230VAC Output/channel	205Lx112Wx58H(mm)
SL-210-10A	230VAC	8 Function Controller, 10A @ 230VAC Output	155Lx112Wx50H(mm)
SL-410-2A	230VAC	8 Function Controller, 2A @ 230VAC Output	102Lx58Wx35H(mm)

Features:



SDL-109C1

Controller Operation Instructions: The controller that controls the LED tube system has four functional buttons, namely, MODE, SETUP, UP and DOWN. Press the mode button to select a function mode in sequence: Black, Static Red, Green, Yellow, Blue, Purple, Cyan and White; Colour Change; Slow Flow 1; Slow Flow 2; Roll Chase 1; Roll Chase 2; Multi-Colour; Fast Flow 1; Fast Flow 2; 2-Colour chase; 2-Colour Flow; Colour Fade; Auto Run.



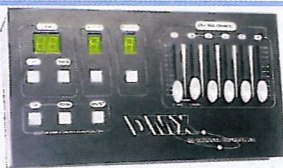
SRC-174

The **SRC-174** allows you to program 12 scanners with 16DMX channels each, 30 banks of 8 programmable scenes, 6 chases of 240 scenes using 8 channel sliders, a joystick, and other buttons. With the ease of the joystick, you can easily and more accurately control the movement of a fixture. To further your ability to dazzle the audience, this unit allows you to assign the relevant DMX channels. In addition, two units can set up communication so that they can send or receive a complete file dump. Fog machine output and activation button.



SRC-171

SRC-171 LED Controller is a programmable controller for all Neo-Neon colour changing system products. It is simple to handle, but is a very effective tool. When it comes to colour mixing, due to built-in programs, the user is also provided a hardware preset, that mixes 7-colour runs. Colour, speed and strobes are all adjustable.



SRC-144

230VAC 52 Channel DMX Controller
Easy-to-use DMX controller for programming up to 9 intelligent lights.

- 52 channels with 9 projector banks of 4 channels each.
- Scene, program and projector LED displays.
- 9 programs with up to 50 steps per program.
- Fade and Speed Control.
- Built-in microphone for sound-active mode.
- DC 9V power supply included.



SRC-181 230VAC (240V) IP65
230VAC Supply, 230VAC Output

SRC-181 12VDC (12VDC) IP65
240VAC Supply, 12VDC Output

SRC-181-240 waterproof controller with four wires and three loops is specially designed for controlling the LEDNEON Series (single colour changing type). It provides the lighting system with various lighting effects; dynamic, static, flashing & fading seven colours changing. It also consists of flashing frequency adjusting, DMX address setting and power-off protection functions. A number of **SRC-181** can also be controlled by interface with a standard DMX.

LED-Flex Full Colour Scan Controller



SL-SC-C8

The **SL-SC-C8** LEDNEON-FLEX, Full Colour Scan Controller controls:

- An array of single colour LEDNEON FLEX, which can present fading and scanning lighting effects.
- An array of RGB type, which can present colour changing, mixing, fading and scanning lighting effects.



SL-210-10A

230VAC 8 Function Controllers

- **IP44**
- Rated Output Wattage: 10A @ 230VAC
- Main Functions: Combination, waves, sequential, slow, chasing, slow fade, flashing and steady on.



SL-410-2A

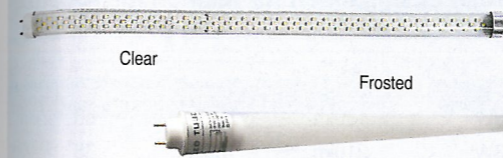
230VAC 8 Function Controllers

- **IP44**
- Rated Output Wattage: 2A @ 230VAC
- Main Functions: Combination, waves, sequential, slow, chasing, slow fade, flashing and steady on.

LED T8 AND T5 TUBULAR LIGHTS



T8 SMD LED Tubular Lights

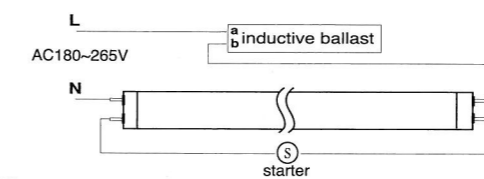


- Supply Voltage: 85-265VAC wide range
- Diameter: 26.3mm
- Material: Aluminium with Alloy & Acrylic cover
- Power factor: >0.95
- Non-dimmable
- Efficiency: 90lm/W

Code CLEAR	Code FROSTED	Code (Fitting Only)		Length	Lumen	Power	Replaces T8 Lamp
		Single Lamp	Twin Lamp				
LEDT8-A2C-*	LEDT8-A2FR-*	AL-A2	AL-A2X2	600mm (2FT)	700-800	8W	18W
LEDT8-A3C-*	LEDT8-A3FR-*	AL-A3	AL-A3X2	900mm (3FT)	860-950	13W	30W
LEDT8-A4C-*	LEDT8-A4FR-*	AL-A4	AL-A4X2	1200mm (4FT)	1480-1600	18W	36W
LEDT8-A5C-*	LEDT8-A5FR-*	AL-A5	AL-A5X2	1500mm (5FT)	1750-1900	22W	58W

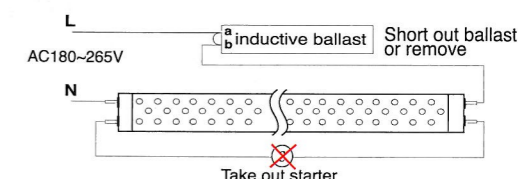
Colour only available in frosted tubes. * Add colour to code: ○ WW (Warm White), ○ PW (Pure White) ● R (Red), ● BL (Blue), ● GN (Green), ● Y (Yellow)

The installation specification of inductive ballast fluorescent lamp

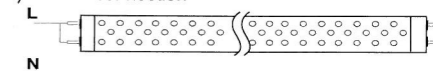


The connection of common inductive ballast fluorescent lamp

A) Direct replacement



B) Normal connection



T8-DC SMD LED Tubular Lights

Code	Length	Power
LEDT8-A2C-*	600mm (2ft)	8W
LEDT8-A3C-*	900mm (3ft)	13W
LEDT8-A4C-*	1200mm (4ft)	18W
LEDT8-A5C-*	1500mm (5ft)	22W

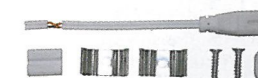
*Add colour to code: ○ WW (Warm White), ○ PW (Pure White)

*Add voltage to code: 12VDC, 24VDC, 48VDC

T5 SMD LED Tubular Lights - Diameter: 16mm, linkable. Standard colour: Pure White, 5000K



Accessories incl. in pack:



Code (complete with light fitting)		Code (lamp only)		Length	Input Amps	Lumen	Power	Replaces T5 CFL
CLEAR	FROSTED	CLEAR	FROSTED					
LEDT5-115-C	LEDT5-115-FR	T5-10W-C	T5-10W-FR	1150mm	45mA	1100	10W	28W
LEDT5-85-C	LEDT5-85-FR	T5-8W-C	T5-8W-FR	850mm	36mA	800	8W	21W
LEDT5-55-C	LEDT5-55-FR	T5-5W-C	T5-5W-FR	550mm	23mA	500	5W	14W
LEDT5-30-C	LEDT5-30-FR	T5-3W-C	T5-3W-FR	300mm	14mA	300	3W	8W

LED T8 For Walk-In Freezers - Supply Voltage 85-265VAC

Code	Length	Features
LETT8	1778mm	<ul style="list-style-type: none"> • Significant energy and maintenance cost savings • Improved illumination of products • Reduced heat • No glass breakage • No UV light • Environmentally-friendly - no mercury

• Colour: Cool White
• Power: 26W
To replace traditional 70W T8 Tubes





NEW RANGE

HI-POWER LED LAMPS

Aluminium LED Lamps

Code	Base	LED Qty/W	Total LED Watts	Lumen for CW	Lumen for WW	Beam Angle
------	------	-----------	-----------------	--------------	--------------	------------

MR16 12VAC/DC

HS-MR16-1X3W-*	GU5.3	1	3W	150lm	120lm	60°
HS-MR16-3X1W-*	GU5.3	3 x 1W	3W	210lm	180lm	38°
HS-MR16-3X2W-*	GU5.3	3 x 2W	6W	340-360lm	320-340lm	38°
HS-MR16-5W-*	GU5.3	1	5W	330-350lm	310-320lm	60°
HS-MR16-PLUS-*	GU5.3	1	6W	330lm	310lm	24°
HS-MR16-10W	GU5.3	1	10W	700lm	680lm	60°

GU10 85-260VAC

HS-GU10-1X3W-*	GU10	1	3W	150lm	120lm	60°
HS-GU10-3X1W-*	GU10	3 x 1W	3W	210lm	180lm	38°
HS-GU10-3X2W-*	GU10	3 x 2W	6W	340-360lm	320-340lm	38°
HS-GU10-5W-*	GU10	1	5W	330-350lm	310-320lm	60°
HS-GU10-PLUS-*	GU10	1	6W	330lm	310lm	24°

JDR 85-260VAC

HS-JDR-1X3W-*	E27	1	3W	150lm	120lm	60°
HS-JDR-3X1W-*	E27	3 x 1W	3W	210lm	180lm	38°
HS-JDR-3X2W-*	E27	3 x 2W	6W	340-360lm	320-340lm	38°
HS-JDR-5W-*	E27	1	5W	330-350lm	310-320lm	60°
HS-E27-PLUS-*	E27	1	6W	330lm	310lm	24°

E27 85-260VAC

HS-E27-3W-*	E27	3 x 1W	3W	180-190lm	160-165lm	270°
HS-E27-8W-*	E27	8 x 1W	8W	540-560lm	520-550lm	160°
HS-E27-10W-*	E27	5 x 2W	10W	700-730lm	680-700lm	160°
HS-E27-12W-*	E27	6 x 2W	12W	750-760lm	720-730lm	270°
HS-SP-10W-*	E27	1	10W	750-760lm	680-700lm	60°

B22 85-260VAC

HS-B22-3W-*	B22	3 x 1W	3W	180-190lm	160-165lm	270°
HS-B22-8W-*	B22	8 x 1W	8W	540-560lm	520-550lm	160°
HS-B22-10W-*	B22	5 x 2W	10W	700-730lm	680-700lm	160°
HS-B22-12W-*	B22	6 x 2W	12W	750-760lm	720-730lm	270°

PAR30 85-260VAC

HS-PAR30-7W-*	E27	7 x 1W	7W	± 600lm	± 580lm	60°
HS-PAR30-10W-*	E27	5 x 2W	10W	± 700lm	± 680lm	40°
HS-PAR30-12W-*	E27	6 x 2W	12W	± 800lm	± 780lm	40°
HS-PAR30WA-12W-*	E27	6 x 2W	12W	± 800lm	± 780lm	160°

PAR38 85-260VAC

HS-PAR38-12W-*	E27	12 x 1W	12W	±1000lm	± 980lm	60°
HS-PAR38-18W-*	E27	9 x 2W	18W	±1100lm	±1050lm	60°
HS-PAR38-22W-*	E27	11 x 2W	22W	±1400lm	±1300lm	40°
HS-PAR38WA-22W-*	E27	11 x 2W	22W	±1400lm	±1300lm	160°
HS-PAR38-PLUS-*	E27	1	18W	± 650lm	± 600lm	30°

*For all of the above items add colour to code: ○ WW (Warm White), ○ CW (Cool White)

NEW RANGE

DIMMABLE LED LIGHTS



Code	LCM7107-5W-TD-*	LCM7108-10W-TD-*	LEDC212-*	LEDC35E-*	LEDA35E-*
Base	E27	E27	E14	E27	E27
LED Power	5W	10W	1.5W	3W	3W
Lumen	360lm/ 300lm	900lm/ 750lm	120lm	320lm	300lm
Supply Volts	230VAC	230VAC	230VAC	230VAC	230VAC

*Add colour to code: ○ WW (Warm White), ○ CW (Cool White)

These dimmable lamps will contribute to significant energy savings in applications such as chicken farming.



Code	LCM8106-160DIM-*	LCM8106-60DIM-*	DIM-MR16-*	DIM-GU10-3W-*	DIM-GU10-6W-*	DLL-24-*
Base	E27	E27	MR16	GU10	GU10	Screw Terminal
LED Power	18W	18W	3W	3W	6W	18W
Lumen	1200lm	1200lm	140-145lm/ 110-130lm	140-145lm/ 110-130lm	385lm	840lm
Supply Volts	230VAC	230VAC	12V AC/DC	230VAC	85-264VAC	90-245VAC

*Add colour to code: ○ WW (Warm White), ○ CW (Cool White)

LED COLOUR LAMPS

RGB Dimmable and Colour Change Lamps - 100-240VAC

Code	Base	LED Qty	LED Power/ Total
HS-MR16-RGB	GU53 (MR16)	3	1W (3W)
HS-GU10-RGB	GU10	3	1W (3W)
HS-JDR-RGB	E27	3	1W (3W)

LED AR111



Code	L057-ES111-*	LEDAR111-10W-*	L033-AR111-*	L034-AR111-*
Size (mm)	Ø110 x 87	Ø110 x 60	Ø110 x 62	Ø110 x 62
Supply Voltage	230VAC	12-24VAC/DC	230VAC	230VAC
Lumen	500lm	440lm	630lm	880lm
LEDs	7W	10W	15W	21W
Connection	GU10	Easy on lugs	Wired	Wired

*Add colour to code: ○ WW (Warm White), ○ CW (Cool White)

LED AR111 Lamps

Code	LED Power	Lumen	Supply Voltage	Dimmable	Beam Angle
LAR-111-12V-*	11W	700-800lm	12VAC	No	32°
LAR-111-24V-*	11W	700-800lm	24VDC	Yes with PSD-V24	32°
LS-AR111-*	12W	785-896lm	170-250VAC	No	60°

24VDC Dimmable Power Supply

Code	Description
PSD-V24-W60-10V	60W 24VDC/ 2.5A Power Supply with 0-10V dimming
PSD-V24-W100-10V	100W 24VDC/ 4.25A Power Supply with 0-10V dimming

*Add colour to code: ○ WW (Warm White), ○ CW (Cool White)

LIGHTING

LIGHTING



LED LIGHTING

- Direct replacement of the traditional halogen bulb • Benefit from long life, low power, low maintenance and low heat
- Die cast housing for good heat dissipation • Constant current driver • LED Life: Up to 50,000 hours

Standard Lumen

	12VAC			230VAC				
Code	MR11-1W*	MR16-1W*	MR16-3W*	GU10-1W*	GU10-3W*	E27-1W*	E27-3W*	EL-SMB01*
Size (mm)	39H x 35Ø	39H x 50Ø	39H x 50Ø	58H x 50Ø	38H x 50Ø	74H x 49.5Ø	74H x 49.5Ø	39H x 50Ø
Base Type	MR11	MR16	MR16	GU10	GU10	E27	E27	MR16
Beam Angle	70°	70°	70°	70°	70°	70°	70°	120°
Lumen	CW 90-95lm WW 70-80lm	90-95lm 70-80lm	90-120lm 80-110lm	90-95lm 70-80lm	90-120lm 80-110lm	90-95lm 70-80lm	90-120lm 80-110lm	135-145lm

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

LED LIGHTS

50 000 Hours average life
35 Deg

	MR16 Open 15 LED's		GU10 Open 15 LED's		E27 Open Type		Closed Type 21 LEDs	
Colour	mcd	mA	Code 12 or 24V AC/DC	Code 230V	Code 230V	Code 230V	MR16 (12V)	GU10 (230VAC)
● Red	3000	20	LEDMR16-R*	LEDGU10-R	LD27-R	LD27-G	CMR16-R	CGU10-R
● Green	8000	20	LEDMR16-G*	LEDGU10-G	LD27-G	LD27-Y	CMR16-Y	CGU10-Y
● Yellow	3000	20	LEDMR16-Y*	LEDGU10-Y	LD27-Y	LD27-B	CMR16-G	CGU10-G
● Blue	4000	20	LEDMR16-B*	LEDGU10-B	LD27-B	LD27-CW	CMR16-B	CGU10-B
○ Cool White	9000	20	LEDMR16-CW*	LEDGU10-CW	LD27-CW	LD27-WW	CMR16-CW	CGU10-CW
○ † Warm White	9000	20	LEDMR16-WW*	LEDGU10-WW	LD27-WW	LD27-M	CMR16-WW	CGU10-WW
●●● RGB			LEDMR16-RGB	LEDGU10-RGB	LD27-M		CMR16-RGB	CGU10-RGB

†18 LEDs *Add voltage to code: 12V, 24V

M = colour changing

Features

- Dimmable LED's
- For dimmers see pages 518
- Low Power Consumption
- No Heat transmitted
- 50 000 Hours Life
- Working Temp. -5 to 45°C
- Direct replacement for Halogen Dichroic Lamps

	IP65				
Code	LS0839JX*	HS-MR16-3W*	GR-88*	ES15*	HLSP5W-GU*
Size (mm)	50Ø x 25.5H	50Ø x 39H	50Ø x 23H	50.5Ø x 18.5H	50Ø x 76H
Supply Voltage	100-240VAC	12VAC/DC	12V AC/DC	12VDC	220-240VAC
Lumen	120lm	-	30lm (max)	75lm	480lm
LEDs	1.5W	4W	1.2W (9 LEDs)	0.7W (15 LEDs)	5W
Connection	Wired	GU5.3 (MR16)	GU5.3 (MR16)	Wired	GU10

* Add colour to code: ○ CW (Cool White), ○ WW (Warm White), ● R (Red), ● Y (Yellow), ● GN (Green), ● BL (Blue) eg: LS0839JX-CW

* Add colour to code: ○ CW (Cool White), ○ WW (Warm White)



LED LAMPS



PL-Type Led Lamps

Supply Volts
220-240VAC

	Rotates 358°	Rotates 358°				
Code	LEDPL-3W*	LEDPL-4W*	LEDPL-5W*	LEDPL-8W*	LEDPL-10W*	LAMP02*
Power	3.3W	3.6W	5.4W	8.1W	10.5W	5.8W (Max)
LED Qty	66	24	36	54	70	72
LED Type	5mm	Piranha	Piranha	SMD	SMD	5mm
Base	G24	G24	G24	G24	G24	E27
Size (mm)	Ø51 x 143	Ø42 x 150	Ø43 x 100	Ø42 x 136	Ø42 x 136	Ø43 x 120

*Add Colour to Code: ○ PW (Pure White), ○ WW (Warm White)

*And ● BL (Blue)

LED BULBS

Supply Volts
220-240VAC

Base Type:
E27
Beam Angle:
90°

Code	E27-J30LED*	E27-K48LED*	E27-L60LED*	E27-M102LED*	E27-N30LED*	E27-P60LED*
Size (mm)	82L x 34Ø	98L x 34Ø	103L x 41 Ø	133L x 41Ø	79.5L x 50Ø	100L x 60Ø
Watts	2.8W (max)					
Lumen	67lm	115lm	145lm	265lm	67lm	145lm

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

Supply Volts **G9**
220-240VAC

Code	SP-G9-R42*	SP-E14-CLH37*	LE60-E27*	LEDE27-M	E27-C60LED*	LE45-1.4-E27*
Size (mm)	88L x 42Ø	103L x 37Ø	110L x 60Ø	120L x 60Ø	110L x 60Ø	69L x 45Ø
Watts	1.6W	1.6W	15 x 0.07W (1.05W)	15 x 0.07W (1.05W)	1.5W	0.6W
Lumen	110lm	110lm	36lm	36lm	60lm	24lm

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

• 50 000 Hours average life
• 230 VAC
• Lamp holder: E27

				R63-E27	R50-E14	R63-E27
Code	LEDPAR20*	LEDPAR30*	LEDPAR38*	DHY-SB03*	LED-R50*	LED-R63*
No. of LEDs	36	45	70	18 x 0.08W	-	-
Watts	1.6W	20W	2.1W	1.5W	3.8W	5W
Lumen CW	65lm	80lm	145lm	CW:54. WW:27	150lm	260lm

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

*○ CW (Cool White), ○ WW (Warm White)

LED DRIVERS

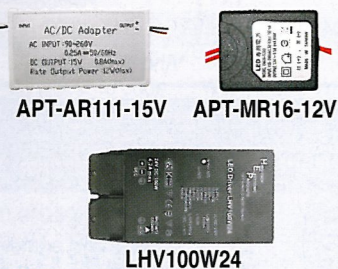
NEW



LED Drivers - Constant Current

Code	Volts In	Volts Out	Current Out	Power	No. of LEDs	Size (mm)
LED-N12-3W	100-250VAC	Up to 12VDC	350mA	3.5W	1-3pcs X 1W	65x35x23
CLD-A3536	100-250VAC	Up to 36VDC	350mA	8W	1-8pcs X 1W	65x35x23
CLD-A7006	100-250VAC	Up to 12VDC	700mA	6.5W	1-2pcs X 1W	65x35x23
LED-N12-9W	100-250VAC	Up to 21VDC	700mA	9W	1-3pcs X 3W	65x35x23
CLD-B3503	100-250VAC	Up to 12VDC	350mA	3.5W	1-3pcs X 1W	67x37x27
CLD-B3536	100-250VAC	Up to 36VDC	350mA	8W	1-8pcs X 1W	67x37x27
CLD-B7006	100-250VAC	Up to 12VDC	700mA	6.5W	1-2pcs X 1W	67x37x27
CLD-B7021	100-250VAC	Up to 21VDC	700mA	9W	1-3pcs X 3W	67x37x27
LLVC12B-U	100-240VAC	4-18VDC	700mA	3-12W	1-3pcs X 3W	168x38x30

LED Drivers - Constant Voltage

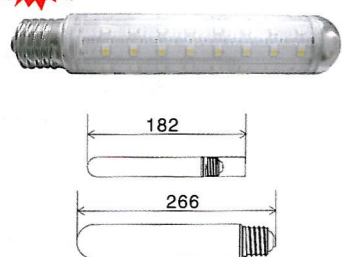


Code	Volts In	Volts Out	Current Out	Power	Size (mm)	For use with
APT-MR16-12V	90-264VAC	12VDC	500mA	6W	51 x 42 x 23	HS-MR16-PLUS
APT-AR111-15V	90-264VAC	15VDC	800mA	12W	60 x 20 x 32	LEDAR111
LHV100W24	220-240VAC	24VDC	4.2A	100W	180 x 88 x 36	-

For more constant voltage supplies, see page 491

NEW

LED LAMP REPLACING METAL HALIDE LAMP



Code	Watts	Amps	Lumen	Colour Temp	Lamp Holder
YR-LED04/21W	21W	0.1A	1260lm	6500K	E27
YR-LED04/32W	32W	0.16A	1920lm	6500K	E40

Energy saving LED lamp with E27 or E40 lamp holder. Suitable for use in fittings where tubular metal halide lamps were used previously

NEW

LED LIGHTS



Code	LED-E14-*	P19S-E2701-*	LM-LED-*	CL15-*	CL20-*
Lampholder	E27	E27	BA15D	-	-
Colour	-	-	*Add colour to code: ●R, ●G, ●B, ●Y, ○W		
No of LEDs	24	18	10-50 depends on colour	15	20
Watts	2.8W	1.3W	2W	1.1W	1.5W
	*Add to Code: 12VAC/DC, 24VAC/DC, 110VAC, 230VAC			2-14VDC	2-14VDC

G4 LED Lamps - 8-30VDC



Code	EL-G4-1	EL-G4-2	EL-G4-4	EL-G4-6
LED Qty	6	10	10	15
Power	1.2W	1.8W	1.8W	1W
Lumen	60lm	90lm	90lm	100lm

LIGHTING

AUTOMOTIVE LED LIGHTS

NEW RANGE

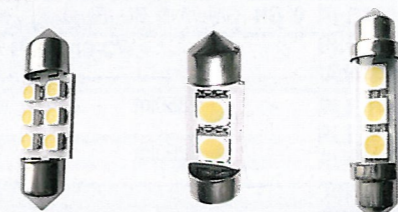
High Power Day/ Night Time LED (DRL) 12V

LED Colour: Pure White 5000K



Code	H3-CM9	H4-CM18	H7-CM18	H11-CM9	HB3-CM18	HB4-CM18
Lampholder	H3	H4	H7	H11	HB3	HB4
No of LEDs	9	18	18	9	18	18
Watts	1.56W	2.55W	2.55W	1.56W	2.55W	2.55W

Festoon - 12VDC



Code	S10-31-6-1210W	S10-36-2-5050W	S10-41-3-5050W
Range	10 x 31mm	10 x 36mm	10 x 41mm
No. of LEDs	6	2	3
Watts	0.65W	0.43W	0.5W
View Angle	120°	120°	120°

BA9S - 12VDC



Code	T9-1-10W-*	T11-5-5050W-*	T11-9-5050W-*
Range	9mm	11mm	11mm
No. of LEDs	1	5	9
Watts	0.5W	0.85W	1.5W
View Angle	120°	300°	300°

*Add required base fitting to code: BA9S

T25mm - 12VDC



Code	T25-39-1210W-*	T25-48-1210W-*
Range	T25mm	T25mm
No. of LEDs	39	48
Watts	2.1W	2.64W
View Angle	300°	300°

*Add required base fitting to code: BA15S, BAY15D

W2.1x9.5D 12VDC



Code	T9-W-1-8W	T11-W-1-85W	T11-W-9-5050W	T15-W-15-3W
Range	T9mm	T11mm	T11mm	T15mm
No. of LEDs	1	1	9 (3 chips)	9
Watts	0.25W	1W	1.5W	1.2W
View Angle	30°	120°	300°	60°

T20mm - 12VDC



Code	T20-13-5050W-*	T20-18-5050W-*	T20-24-5050W-*
Range	T20mm	T20mm	T20mm
No. of LEDs	13	18	24
Watts	2.1W	2.4W	2.8W
View Angle	300°	300°	300°

*Add required base fitting to code: BA15S, BAY15D

Panel LEDs



Code	DHY-CE121-*	DHY-CE122-*
Lampholder	BA15S	BA15D
Colour	*Add colour to code: ●R, ●Y, ○W	
No. of LEDs	19	19
Watts	1.3W	1.3W

*Add voltage to code: 12VDC, 24VDC



CF13JL-02



R-50W6

12VDC Electronic LED Flasher & Load Resistor Kit

Code	Description	Application
CF13GL-02	3 Pin LED Flasher Unit	German/ European
CF13JL-02	3 Pin LED Flasher Unit	Japanese Cars
CF18ALT	8 Pin LED Flasher Unit	Newer Toyota Cars
EP27L-1	5 Pin LED Flasher Unit	SUVs and Trucks
EP29L-1	4 Pin LED Flasher Unit	GM Cars

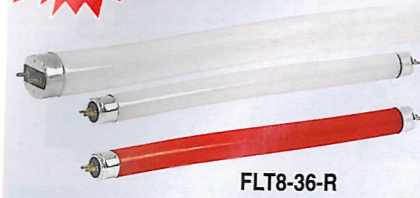
R-25W25	25W LED load resistor, 25ohm	Universal Type
R-50W6	50W LED load resistor, 6ohm	Universal Type
R-50W10	50W LED load resistor, 10ohm	Universal Type
R-50W24	50W LED load resistor, 24ohm	Universal Type

Note: Use to solve (Non-bulb burnt out warning)

LIGHTING



FLUORESCENT LAMPS



FLT8-36-R

Code	Type	Length	Wattage	Lumen	Code	Type	Wattage	Lumen
FLT5-6	T5	225mm	6W	240lm	FLT8-10	T8	10W-1FT	650lm
FLT5-8	T5	300mm	8W	330lm	FLT8-18-D	T8	18W-2FT	1100lm
FLT5-14	T5	563mm	14W	1200lm	*T8-18-CW	T8	18W-2FT	1100lm
FLT5-21	T5	863mm	21W	1870lm	*T8-18-WW	T8	18W-2FT	1100lm
FLT5-28	T5	1163mm	28W	2600lm	FLT8-30	T8	30W-3FT	2000lm
FLT5-32	T5	1210mm	32W	3300lm	*FLT8-36*	T8	36W-4FT	2800lm
NEW FLT5-80*	T5	1463mm	80W	5550lm	*FLT8-58*	T8	58W-5FT	4100lm



*Colour Temp. - T5 Cool White only

*Osram or Phillips lamps

* Colour Temp. - T8 Add D (Daylight - 6500K), SW (Skywhite - 8000K), CW (Cool White - 4000K), WW (Warm White - 2700K), R (Red), Y (Yellow), GN (Green), BL (Blue)

Butcher Lamps - (Osram Lamps)

L36W/76	T8 4FT	36W	2850lm	G13
L58W/76	T8 5FT	58W	1800lm	G13



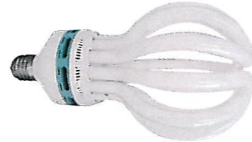
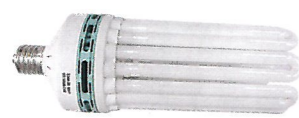
Fluorescent Colour/ Lamp Protection

The coloured 'Tubos' are a practical and economical solution for transforming a normal fluorescent lamp into a coloured one. AC/DC Tubos will give you protection, economy, UV-ray filters and coloured lamps. Suited for the Food & Beverage industry

Code	Exterior	Power	Power	Length
AKO-TUBO18*	28.7mm	18W	26mm	590mm
AKO-TUBO36*	28.7mm	36W	26mm	1200mm
AKO-TUBO58*	28.7mm	58W	26mm	1500mm

*Add colour to code: T (Transparent), BL (Blue), G (Green), R (Red), Y (Yellow)

ENERGY SAVING LAMPS



Watts	Lumen (lm)	D Type Code		F Type Code		S Type Code		SM Type Code	
		Code	Length	Code	Length	Code	Length	Code	Length
30W	1530	ESL42-30-E27-D	190mm	F17-LH30-E27	168mm	S17-FSP-30-E27	175mm	SM42-30-E27	140mm
40/45W	2040	ESL42-45*-D	225mm	F17-LH45-E27	220mm	S17-FSP-40-E27	185mm	SM42-45-E27	145mm
50/55W	3000	-	-	F17-LH55-E40	260mm	S17-FSP-50-E27	195mm	-	-
60/65W	3315	ESL42-65*-D	258mm	F17-LH65-E40	285mm	S17-FSP-60-E27	205mm	SM42-65-E27	152mm
80W	4335	ESL42-80-E40-D	293mm	-	-	S17-FSP-80-E27	255mm	-	-
85W	4335	-	-	F17-LH85-E40	280mm	-	-	-	-
105W	4495	ESL42-105-E40-D	280mm	F17-LH105-E40	280mm	-	-	-	-
125W	4620	ESL42-125-E40-D	335mm	F17-LH120-E40	305mm	-	-	-	-
150W	5500	ESL42-150-E40-D	355mm	F17-LH150-E40	305mm	-	-	-	-
180W	8640	ESL42-180-E40-D	345mm	-	-	-	-	-	-
200W	9600	ESL42-200-E40-D	360mm	-	-	-	-	-	-
250W	14850	ESL42-250-E40-D	400mm	-	-	-	-	-	-

* Add Lamp holder type to code: E27, E40

Lamp colour temperature: 6500K (Daylight)



FLUORESCENT LAMPS & HOLDERS

Energy saving compact fluorescent lamps • 8000 hrs

Lamp Code Wattage Base Length Base Code

2 Pin type Inline

PL-7*	7W	G23	137mm	BCF-G23
PL-9*	9W	G23	167mm	BCF-G23
NEW PL-9-C 110V	9W	G23	167mm	BCF-G23
NEW PL-9-W 110V	9W	G23	167mm	BCF-G23
PL-11*	11W	G23	237mm	BCF-G23
PL-13*	13W	GX23	188mm	BCF-G23

*Add ○ CW (Cool White, 4000K) or ○ WW (Warm White, 2700K) at end of Code e.g. PL-7-CW

2 Pin type Off centre

PLC-13*	13W	G24d1	130mm	BCF-G24d1
PLC-18*	18W	G24d2	152mm	BCF-G24d2
PLC-26*	26W	G24d3	167mm	BCF-G24d3

4 Pin type

PLCE-13*	13W	G24q1	132mm	BCF-G24q1
PLCE-18*	18W	G24q2	144mm	BCF-G24q2
PLCE-26*	26W	G24q3	165mm	BCF-G24q3
PLCE-42*	42W	G24q4	168mm	BCF-G24q4

*Add ○ CW (Cool White, 4000K) or ○ WW (Warm White, 2700K)

2 Pin type

PLE-7*	7W	2G7	122mm	BCF-2G7
PLE-9*	9W	2G7	152mm	BCF-2G7
PLE-11*	11W	2G7	222mm	BCF-2G7

*Add ○ CW (Cool White, 4000K) or ○ WW (Warm White, 2700K)

NB5025-18*
 18W | 2G11 | 227mm | BCF-2G11 || NB5025-24* | 24W | 2G11 | 322mm | BCF-2G11 |
| NB5025-36* | 36W | 2G11 | 417mm | BCF-2G11 |
| NB5025-55* | 55W | 2G11 | 542mm | BCF-2G11 |

*Add ○ CW (Cool White, 4000K), ○ WW (Warm White, 2700K) or ○ D (Daylight, 6500k)

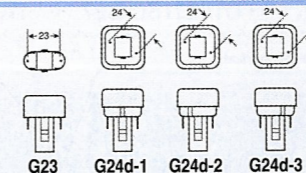
2D-16*
 (2 Pin) 16W | GR8 | 139mm | BCF-GR8 || 2D-16-4P* | (4 Pin) 16W | GR10q | 139mm | BCF-GR10q |
2D-21*	(2 Pin) 21W	GR8	139mm	BCF-GR8
2D-28*	(2 Pin) 28W	GR8	202mm	BCF-GR8
2D-28-4P*	(4 Pin) 28W	GR10q	202mm	BCF-G10q

*Add ○ CW (Cool White, 4000K) or ○ WW (Warm White, 2700K)

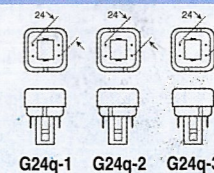
FML13D
 13W | GX10q2 | 115mm | BCF-GX10-2 || FML18D | 18W | GX10q3 | 128mm | BCF-GX10-3 |
| FML27D* | 27W | GX10q4 | 142mm | BCF-GX10-4 |

*Add colour R, BL, Y, GN to Code e.g. FML27R
Standard Colour temperature 6500K - Daylight

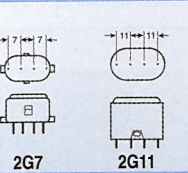
Switch-start Operation



HF Operation



HF Operation



BLACK LIGHTS (UV LIGHTS)

Energy Saving Black Lights

E27 Lamp Base

Code	Power	Size (mm)
UV2U-11	11W	165 x Ø 45
UV3U-15	15W	140 x Ø 50
UV3U-20	20W	155 x Ø 50
UV3U-25	25W	170 x Ø 50



UV2U



UV3U



UVPL

PL Lamps

Code	Power	Base
UVPL-9	9W	G23
UVPL-13	13W	G23
UVPLC-13	13W	G24d1
UVPLC-18	18W	G24d2
UVPLC-26	26W	G24d3

Incandescent Black Light

Code	Power	Base
UV75-E27	75W	E27

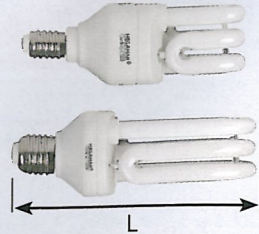
Black Light Ultra Violet Lamps

Life span 3000h (Osram Lamps)

Code	Type	Wattage	Lamp Holder
FLT5-6UV	T5	6W	G5
FLT5-8UV	T5	8W	G5
FLT8-18UV	T8 2FT	18W	G13
FLT8-36UV	T8 4FT	36W	G13



ENERGY SAVING LAMPS & FITTINGS



Tubular – 15000 hours lifetime 220-240VAC

Code	Warm White	L(mm)	Watts	Base	Colour	Code	Cool White	Watts	Base	Colour
SU207-E14-WW		103	7W	E14	2700K	SU207-E14-CW		7W	E14	4000K
SU209-E14-WW		106	9W	E14	2700K	SU209-E14-CW		9W	E14	4000K
SU111-E27-WW		120	11W	E27	2700K	SU111-E27-CW		11W	E27	4000K
SU115-E27-WW		135	15W	E27	2700K	SU115-E27-CW		15W	E27	4000K
						SU323-E27-CW		23W	E27	4000K

Accessories

Code	Size	Base
L0104RC-*	Ø 180 x 226mm H	E27

*Add colour of bezel to code: ○ W (White), ● S (Silver), ● G (Gold)



Globe – 15000 hours lifetime 220-240VAC

Code	Warm White	Size	Watts	Base	Colour	Code	Cool White	Watts	Base	Colour
GSU411-E27-WW		98 Ø	11W	E27	2700K	GSU411-E27-CW		11W	E27	4000K
GSU615-E27-WW		98 Ø	15W	E27	2700K	GSU615-E27-CW		15W	E27	4000K
GSU620-E27-WW		98 Ø	20W	E27	2700K	GSU620-E27-CW		20W	E27	4000K

Classic – 15000 hours lifetime 220-240VAC

Code	Warm White	Size	Watts	Base	Colour	Code	Cool White	Watts	Base	Colour
GSU109-E27-WW		113	9W	E27	2700K	GSU109-E27-CW		9W	E27	4000K
GSU111-E27-WW		113	11W	E27	2700K	GSU111-E27-CW		11W	E27	4000K
GSU515-E27-WW		116	15W	E27	2700K	GSU515-E27-CW		15W	E27	4000K
GSU109-B22-WW		113	9W	B22	2700K	GSU109-B22-CW		9W	B22	4000K
GSU111-B22-WW		113	11W	B22	2700K	GSU111-B22-CW		11W	B22	4000K
GSU515-B22-WW		116	15W	B22	2700K	GSU515-B22-CW		15W	B22	4000K
GSU520-E27-WW		140	20W	E27	2700K	GSU520-E27-CW		20W	E27	4000K

Softlight – 15000 hours lifetime 220-240VAC

Code	Warm White	Size	Watts	Base	Colour	Code	Cool White	Watts	Base	Colour
CT0107SW-E14		75	7W	E14	2700K	CT0107SD-E14		7W	E14	6500K
CT0109SW-E14		82	9W	E14	2700K	CT0109SD-E14		9W	E14	6500K
CT0109SW-E27		80	9W	E27	2700K	CT0109SD-E27		9W	E27	6500K
CT0211SW-E27		103	11W	E27	2700K	CT0211SC-C27		11W	E27	4000K

CFLs – Diffused lens – 15000 hours lifetime 220-240VAC. *Ideal for cabinets*

Code	Watts	Base	Colour Warm White	Code	Watts	Base	Colour Cool White
GX0107GW	7W	GX53	2700K	GX0107GC	7W	GX53	4000K
GX0109GW	9W	GX53	2700K	GX0109GC	9W	GX53	4000K
GX0113GW	13W	GX53	2700K	GX0113GC	13W	GX53	4000K
GX0159BL	9W	GX53	Blue				

Hidden Integral Electronic Ballast, the perfect solution for space demanding applications. 15 000h lifetime; 600 000 switching cycles and shorter preheating time.



Rear view

Accessories

Material: Plastic
Base: GX53
(Lamps excluded)



Code	L0501CB-*	L0503RC-*	L0504RC-*	L0505CL	DGX5360-*	EL-306-53RS-*
Size (mm)	83Ø x 18H	135Ø x 60H	100Ø x 15H	132Ø x 217H	135Ø x 60H	90Ø x 33H
Type	Surface mount ⁽¹⁾	Recessed c/w reflector ⁽¹⁾	Recessed fixed ⁽¹⁾	Ceiling mount	Surface mount	Surface mount

*Add colour of bezel to code: W (white), S (silver), G (gold) eg. L0504RC-W ⁽¹⁾Fly lead and terminal block supplied
*Add bezel colour: W (white), BK (Black)
*Add bezel colour: OW(White), S(Silver)

ENERGY SAVING LAMPS & FITTINGS



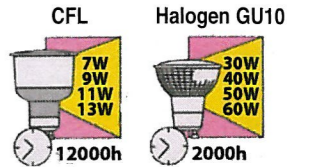
GU10 CFL 12000hrs Not Dimmable 220-240VAC

Watts	Warm White 2700K	Cool White 4000K	Daylight 6500K	Lens	Length
7W	SP2007-WW	SP2007-CW	SP2007-DL	Diffused	68mm
9W	SP2009-WW	SP2009-CW	SP2009-DL	Diffused	78mm
11W	SP20011-WW	SP20011-CW	SP20011-DL	Diffused	84mm
13W	NEW SP20013-WW	NEW SP20013-CW	NEW SP20013-DL	Diffused	86mm

For dimmable GU10 see page 507.

R50/E14 CFL 15000 HRS

Watts	Warm White 2700K	Cool White 4000K	Lens
7W	BR0107-WW	BR0107-CW	Clear
MM166	Reflector for BR0107 Ø 80 x 54mm H		



MR16/GU5.3 12000hrs 220-240VAC

Watts	Warm White 2700K	Cool White 4000K
7W	LUX240-7-WW	LUX240-7-CW
9W	LUX240-9-WW	LUX240-9-CW
11W	LUX240-11-WW	LUX240-11-CW

MR16/GU5.3 8000Hrs, 12VDC

Watts	Warm White 2700K	Cool White 4000K
7W	KS-MR16-7-WW	KS-MR16-7-CW
9W	KS-MR16-9-WW	KS-MR16-9-CW
11W	KS-MR16-11-WW	KS-MR16-11-CW

Accessories

Downlights For GU10 lamps

Downlights For PAR lamps E27

Material: Plastic
Base: GU10
(Lamps Excluded)



Code	L0301RC-*	L0302RC-*	L0303RC-*	DU50128-*	L0115RC-*	L0601CL
Size	Ø80 x 91H	Ø85 x 67H	Ø102 x 128H	Ø128 x 70H	Ø180 x 226H	Ø137 x 272H
Type	Fixed	Adjustable	Fixed c/w reflector	Adjustable c/w reflector	Fixed c/w reflector	Fixed

*Add colour of bezel to code: ○ W (White), ● S (Silver), ● G (Gold). Eg. L0301RC-W

*Add bezel colour to code: ○ W (White), ● S (Silver)

White only

PAR's

Code	BR0909-*	BR01111-*	BR01215-*	BR0515-CW	BR0620-*
Size	E14/R50	E27/R63	E27/R80	E27/PAR38	E27/PAR38
Watts	9W	11W	15W	15W	20W

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White)

*Add colour to code: ○ CW (Clear White), ○ W (WarmWhite), ● GN (Green), ● B (Blue), ● R (Red), ● Y (Yellow)

Jumbo 52W

Code	Voltage	Wattage	Base	Size	Colour
MM30524	230VAC	52W	E27	225mm x 89Ø	Cool (4000K)

• Plug-in lamps 4 x 13W (G24) supplied. • Can replace separate lamps when needed.
• 10 000hrs average life. • Replaces discharge lamps 200 Watts. • Replacement lamp G24-13W

G24-13W Spare 13W Lamp for MM30524 (4 required)

AR111 CLF Aluminium reflector Replaced AR111 Halogen Lamps
12000hrs 220 - 240VAC

Watts	Warm White 2700K	Cool White 4000K	Base	Type	Replaces Halogen
20W	EF-AR111-WW	EF-AR111-CW	GU10	Flood (105°)	75W
11W	LUXES111-WW	LUXES111-CW	GU10	Spot (60°)	50W

ENERGY SAVING LAMPS

6U Compact Fluorescent Lamps - 230VAC. 8000hrs

Code	Code	Watts	Length	Lumen
ES-6U-E27-9*	ES-6U-B22-9*	9W	90mm	510
ES-6U-E27-11*	ES-6U-B22-11*	11W	95mm	550
ES-6U-E27-15*	ES-6U-B22-15*	15W	102mm	745
ES-6U-E27-20*	ES-6U-B22-20*	20W	106mm	975

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White)

Globe Compact Fluorescent Lamp Replacement for Standard Incandescent Globe - 230VAC

Code	Code	Watts	Length	Lumen
ES-A60-E27-11*	ES-A60-B22-11*	11W	110mm	500lm
ES-A60-E27-15*	ES-A60-B22-15*	15W	110mm	800lm
ES-A60-E27-20*	ES-A60-B22-20*	20W	110mm	1000lm

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White)

Candle Light Compact Fluorescent Lamps - 230VAC

Code	Code	Code	Watts	Length	Lumen
ES-CDL-E14-5*	ES-CDL-E27-5*	ES-CDL-B22-5*	5W	98mm	180lm
ES-CDL-E14-7*	ES-CDL-E27-7*	ES-CDL-B22-7*	7W	98mm	280lm
ES-CDL-E14-9*	ES-CDL-E27-9*	ES-CDL-B22-9*	9W	108mm	380lm

*Add colour to code: ○ CW (Cool White), ○ WW (Warm White)

FE38-5-E14-WW	-	-	5W	125mm	180lm
FE38-7-E14-WW	-	-	7W	125mm	280lm
FE38-9-E14-WW	-	-	9W	135mm	380lm
FE40-5-E14-G	-	-	5W	125mm	180lm
FE40-7-E14-G	-	-	7W	127mm	300lm
FE40-9-E14-G	-	-	9W	145mm	420lm

Large Size Candle Light Compact Fluorescent Lamps - 230VAC

Code	Code	Code	Watts	Length	Lumen
FE36*-E14-WW	FE36*-E27-WW	FE36*-B22-WW	Lamp Length: 5W & 7W = 149mm 9W & 11W = 169mm		

*Add wattage to code: 5, 7, 9, 11

Golf Ball Compact Fluorescent Lamp - 230VAC

Code	Code	Code	Watts	Length	Lumen
GA607-E14*	GA607-E27*	GA607-B22*	7W	89mm	-

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

Spiral Compact Fluorescent Lamp - 230VAC

Code	Code	Code	Watts	Length	Lumen
-	FE35-15-E27*	FE35-15-B22*	15W	128mm	701lm

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

Plant Grow Lamp 230VAC

Code	Description
BR0620P	20W E27/PAR38

Mosquito Repelling Lamp 230VAC

Code	Description	Length
RDZ-15-25B-MOS	15W E27	135mm
RDZ-20-25B-MOS	20W E27	149mm



ENERGY SAVING LAMPS

Energy saving compact fluorescent lamps 230VAC

Expected lamp life for the lamps is more than 6000hrs.
Warm white - 2700K; Cool white - 4000K; Daylight - 6500K

Code	Wattage	Length	Lumen	Code	Wattage	Length	Lumen
FE1-7-E27*	7W	124mm	238lm	FE1-7-B22*	7W	135mm	238lm
FE1-9-E27*	9W	136mm	367lm	FE1-9-B22*	9W	136mm	367lm
FE1-11-E27*	11W	146mm	449lm	FE1-11-B22*	11W	146mm	449lm

For E14 replace B22 with E14

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE1-7-B22-CW

FE27-15-E27*	15W	139mm	701lm	FE27-15-B22*	15W	139mm	701lm
FE27-20-E27*	20W	155mm	935lm	FE27-20-B22*	20W	155mm	935lm
FE27-25-E27*	25W	172mm	1265lm	FE27-25-B22*	25W	172mm	1360lm

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE27-15-B22-CW

FE35-11-E27*	11W	122mm	449lm	FE35-11-B22*	11W	122mm	449lm
FE35-20-E27*	20W	141mm	935lm	FE35-20-B22*	20W	141mm	935lm
FE35-26-E27*	26W	165mm	1326lm	FE35-26-B22*	26W	165mm	1326lm

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE27-15-B22-CW

FE10-11-E27-WW	11W	Ø90	443lm	FE10-11-B22-WW	11W	Ø90	443lm
FE10-16-E27-WW	16W	Ø100	695lm	FE10-16-B22-WW	16W	Ø100	695lm
FE10-18-E27-WW	18W	Ø100	833lm	FE10-18-B22-WW	18W	Ø100	833lm
FE10-24-E27-WW	24W	Ø120	1105lm	FE10-24-B22-WW	24W	Ø120	1105lm

FE29-9-E27*	9W	152mm	360lm	FE29-9-B22*	9W	152mm	360lm
FE29-11-E27*	11W	152mm	443lm	FE29-11-B22*	11W	152mm	443lm
FE50-15-E27*	15W	164mm	695lm	FE50-15-B22*	15W	164mm	695lm

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE1-7-B22-CW

FE32-22-E27-WW	22W	Ø210	1900lm	FE32-22-B22-WW	22W	Ø210	1900lm
FE32-32-E27-WW	32W	Ø300	2900lm	FE32-32-B22-WW	32W	Ø300	2900lm

FE16-18-E27-WW	18W	155mm		FE16-18-B22-WW	18W	155mm	830lm
FE16-20-E27-WW	20W	170mm		FE16-20-B22-WW	20W	170mm	895lm
FE16-25-E27-D	25W	184mm		FE16-25-B22-D	25W	184mm	1113lm

FE18-S11-E27-WW	11W	109mm	550lm	FE18-S11-B22-WW	11W	109mm	550lm
FE18-S15-E27-WW	15W	114mm	810lm	FE18-S15-B22-WW	15W	114mm	810lm
FE18-S20-E27-WW	20W	144mm	1080lm	FE18-S20-B22-WW	20W	144mm	1080lm

*With daylight sensor. Supply Voltage 230VAC. Warm 2700k

FE16-20-E27-WW	110V 20W	182mm	910lm
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Reflective Type

FE63-11-E27*	11W	R63	440lm	FE63-11-B22*	11W	R63	440lm
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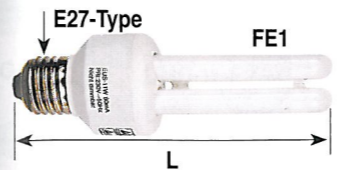
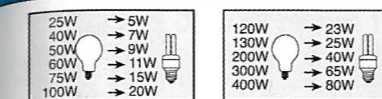
*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE63-11-E27-CW

FE66-11-E27-WW	11W	R80	449lm	FE66-11-B22-WW	11W	R80	449lm
ERF-15-E27-CW	15W	R80	701lm	ERF-15-B22-CW	15W	R80	701lm

ERB-20-E27-CW	20W	PAR38	935lm	-	-	-	-
ERB-25-E27-CW	25W	PAR38	1265lm	-	-	-	-

PAR56

LUXPAR56-CW	23W	PAR56	980lm	-	-	-	-
LUXPAR56-WW	23W	PAR56	980lm	-	-	-	-



Cat's Eye Glo-in-the-dark Lamps Lamp will glow in the dark for approximately 20 min after it has been switched off

Code	GSU111-IAG	Code	GX01109AG
Watts	11W	Watts	9W
Base	E27	Base	GX53

ENERGY SAVING LAMPS

Energy saving compact fluorescent lamps 230VAC

Expected lamp life for the lamps is more than 6000hrs.
Warm white - 2700K; Cool white - 4000K; Daylight - 6500K

Code	Wattage	Length	Lumen	Code	Wattage	Length	Lumen
FE1-7-E27*	7W	124mm	238lm	FE1-7-B22*	7W	135mm	238lm
FE1-9-E27*	9W	136mm	367lm	FE1-9-B22*	9W	136mm	367lm
FE1-11-E27*	11W	146mm	449lm	FE1-11-B22*	11W	146mm	449lm

For E14 replace B22 with E14

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE1-7-B22-CW

FE27-15-E27*	15W	139mm	701lm	FE27-15-B22*	15W	139mm	701lm
FE27-20-E27*	20W	155mm	935lm	FE27-20-B22*	20W	155mm	935lm
FE27-25-E27*	25W	172mm	1265lm	FE27-25-B22*	25W	172mm	1360lm

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE27-15-B22-CW

FE35-11-E27*	11W	122mm	449lm	FE35-11-B22*	11W	122mm	449lm
FE35-20-E27*	20W	141mm	935lm	FE35-20-B22*	20W	141mm	935lm
FE35-26-E27*	26W	165mm	1326lm	FE35-26-B22*	26W	165mm	1326lm

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE27-15-B22-CW

FE10-11-E27-WW	11W	Ø90	443lm	FE10-11-B22-WW	11W	Ø90	443lm
FE10-16-E27-WW	16W	Ø100	695lm	FE10-16-B22-WW	16W	Ø100	695lm
FE10-18-E27-WW	18W	Ø100	833lm	FE10-18-B22-WW	18W	Ø100	833lm
FE10-24-E27-WW	24W	Ø120	1105lm	FE10-24-B22-WW	24W	Ø120	1105lm

FE29-9-E27*	9W	152mm	360lm	FE29-9-B22*	9W	152mm	360lm
FE29-11-E27*	11W	152mm	443lm	FE29-11-B22*	11W	152mm	443lm
FE50-15-E27*	15W	164mm	695lm	FE50-15-B22*	15W	164mm	695lm

*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE1-7-B22-CW

FE32-22-E27-WW	22W	Ø210	1900lm	FE32-22-B22-WW	22W	Ø210	1900lm
FE32-32-E27-WW	32W	Ø300	2900lm	FE32-32-B22-WW	32W	Ø300	2900lm

FE16-18-E27-WW	18W	155mm		FE16-18-B22-WW	18W	155mm	830lm
FE16-20-E27-WW	20W	170mm		FE16-20-B22-WW	20W	170mm	895lm
FE16-25-E27-D	25W	184mm		FE16-25-B22-D	25W	184mm	1113lm

FE18-S11-E27-WW	11W	109mm	550lm	FE18-S11-B22-WW	11W	109mm	550lm
FE18-S15-E27-WW	15W	114mm	810lm	FE18-S15-B22-WW	15W	114mm	810lm
FE18-S20-E27-WW	20W	144mm	1080lm	FE18-S20-B22-WW	20W	144mm	1080lm

*With daylight sensor. Supply Voltage 230VAC. Warm 2700k

FE16-20-E27-WW	110V 20W	182mm	910lm
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Reflective Type

FE63-11-E27*	11W	R63	440lm	FE63-11-B22*	11W	R63	440lm
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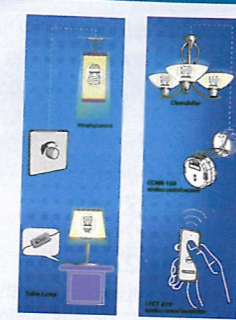
*Add "-CW" for cool white or "-WW" for warm white at end of Code e.g. FE63-11-E27-CW

FE66-11-E27-WW	11W	R80	449lm	FE66-11-B22-WW	11W	R80	449lm
ERF-15-E27-CW	15W	R80	701lm	ERF-15-B22-CW	15W	R80	701lm

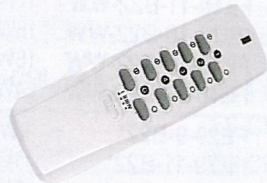
NEW

ENERGY SAVING DIMMABLE

E27 Fitting
Dimmable 10000h
Supply Voltage:
220-240VAC

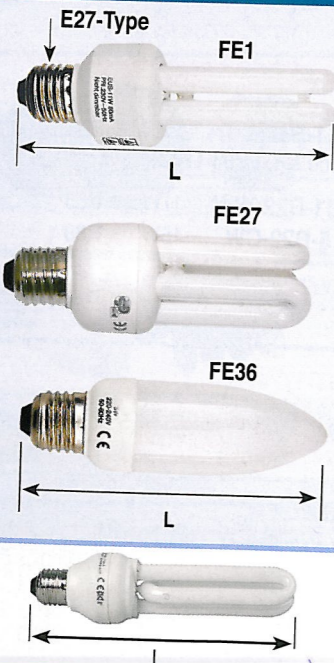


Code	CFR-2027-CW	CFL-2027-CW	SCFL-2027-CW
Dimmer	Built-in	Not built-in	Built-in
Power	20W	20W	20W
Control	Remote Control (LYCT) or 4-Stage Mechanical On/Off Light Switch	Remote Control (CCMR) + LYCT-820	4-Stage Mechanical On/Off Light Switch
Operating with triac dimmer	No	Yes	No
Colour		Cool White	



Code	LYCT-505	LYCT-820	CCMR-150
	<ul style="list-style-type: none"> Remote transmitter On/Off, Dimmer ± 100 bulbs max./ remote Transmitting frequency: 433MHz Battery 3V included Spare Battery code CR2032 67 Mil. Codes (self learning) 5 room/section programmer 	<ul style="list-style-type: none"> Remote transmitter On/Off, Dimmer ± 100 bulbs max./ remote Transmitting frequency: 433.92MHz Battery 3V included Spare Battery code CR2032 67 Mil. Codes (self learning) 2 room/section programmer 	<ul style="list-style-type: none"> On/Off, dimmer 5 bulbs max. per remote Transmitting frequency: 433MHz Supply volts: 230VAC ± 10% Output max 150W (7 x 20W CFL) min load 20W Fits into standard 4x2 or 4x4 boxes Size: 53 x 53 x 28mm Change your wall switch to wireless via remote control

DC ENERGY SAVING LAMPS



DC Lamps 8000 Hours Life

Code	Code	Watts	Length (mm)	Lumen
FE1-7-E27**	FE1-7-B22**	7W	124	238lm
FE1-9-E27**	FE1-9-B22**	9W	136	367lm
FE1-11-E27**	FE1-11-B22**	11W	146	449lm

*Supply Voltage: 12VDC, 24VDC, 48VDC

*Add "-CW" for cool white or "-WW" for warm white at end of code. eg. FE1-7-E27-CW

Code	Code	Watts	Length (mm)	Lumen
FE27-15-E27**	FE27-15-B22**	15W	139	701lm
FE27-20-E27**	FE27-20-B22**	20W	164	935lm

*Supply Voltage: 12VDC, 24VDC, 48VDC

*Add "-CW" for cool white or "-WW" for warm white at end of code. eg. FE27-15-E27-CW

Code	Code	Watts	Length (mm)	Lumen
-	FE36-5-B22-WW*	5W	108	180lm
-	FE36-7-B22-WW*	7W	108	270lm
-	FE36-9-B22-WW*	9W	117	400lm
-	FE36-11-B22-WW*	11W	136	500lm

*Supply Voltage: 12VDC, 24VDC

DC Lamps 15 000 Hours Life

Code	Code	Watts	Length (mm)	Lumen
CFI-9-E27-12VDC	-	9W	140	367lm



NEW

DIMMABLE ENERGY SAVING LAMPS

Dimmable lamps 10 000 hours 220-240VAC

Code	Watts	Base	Lumen	Length	Code	Watts	Base	Lumen	Length	
D-RM	D-RM-9*	9	GU10	340	77mm	D-CAN-9-E14*	9	E14	335	136mm
	DEG-9-E27*	9	E27	410	96mm	D-CAN-9-E27*	9	E27	335	136mm
	DEG-9-B22*	9	B22	410	96mm	D-CAN-9-B22*	9	B22	335	136mm
DEG-9W	DMD-11-E27*	11	E27	550	120mm	D-CAN-11-E14*	11	E14	409	136mm
	DMD-11-B22*	11	B22	550	120mm	D-CAN-11-E27*	11	E27	409	136mm
DMD-15W	DMD-15-E27*	15	E27	830	135mm	D-CAN-11-B22*	11	B22	409	136mm
	DMD-15-B22*	15	B22	830	135mm	<i>Dimmable to 4 present levels</i>				
	DMD-20-E27*	20	E27	1200	150mm	D-SA-20-E27*	20	E27	1350	135mm
	DMD-20-B22*	20	B22	1200	150mm	D-SA-20-B22*	20	B22	1350	135mm

Diameter of lamp: 9W=60mm

* Add 'CW' for cool white or 'WW' for warm white.

Flicker free lighting.

D-RM / D-CAN / DEG / DMD are smooth dimming (100%-30%)

D-SA / D-SN are 4-step dimming.

All above supplied in blister pack.

+ c/w built in dimmer and remote control

Dimmable range 15 000 hours lifetime 220-240VAC Dimmable to 4 preset levels

Code	Watts	Base	Colour	Length	Code	Watts	Base	Colour	Length
BR0620S	20W	PAR38	4000k	-	WL220S-W	20W	E27	2700k	130mm
GK715S	15W	E27	2700k	128mm					

4-Step Dimming:

Every Dimmable Compact Fluorescent switching OFF/ON will activate the dimming program of the lamp.

The brightness of the lamp can be adjusted from 100% to 66%, 33% or 5% with consecutive switching OFF/ON action within 1 second.

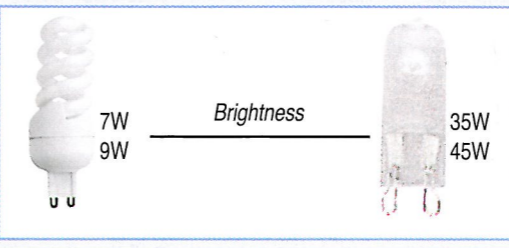
NEW

SPECIAL ENERGY SAVING LAMPS

G9 Energy Saving Lamps 10 000 hours 220-240VAC

Code	Watts	Base	Lumen	Length
S-AE-7*	7W	G9	445	69mm
S-AE-9*	9W	G9	585	75mm

Perfect replacement for hot G9 lamps
Diameter of lamp: 37mm
Produces less heat and consumes less energy



Self Ballasted Plug-in Lamp 10 000 hours 220-240VAC

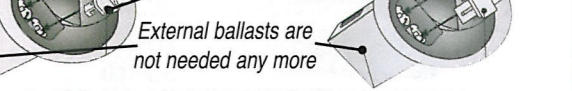
Code	Watts	Base	Lumen	Length
S-AF-10*	10W	G24d-1	530	105mm
S-AF-13*	13W	G24d-1	700	112mm
S-AF-18*	18W	G24d-2	950	123mm

Code	Watts	Base	Lumen	Length
2U-R-10*	10W	G24d-1	500	127mm
2U-R-13*	13W	G24d-1	650	137mm
2U-R-18*	18W	G24d-2	900	147mm
3U-R-26*	26W	G24d-3	1300	167mm

* Add 'CW' for cool white or 'WW' for warm white

Built-in electronic ballast

External ballasts are not needed any more



Mini-twist Energy Saver 9W

Code	Watts	Base	Length
MHS9W-E14*	9W	E14	95mm
MHS9W-E27*	9W	E27	95mm
MHS9W-B22*	9W	B22	95mm
MHS9W-GU10*	9W	GU10	90mm

* Add 'CW' for cool white or 'WW' for warm white

Above blister packed



LIGHTING



Dichroic Lamps Halogen Lamp 2000-3000hrs Colour Temp K = 2900
*Xenon Lamp 12V 8000hrs • Xenon Lamp (GU) 230V 5000hrs

Halogen Code Open Type	Watts	Voltage	Base Type	Beam Angle	Luminous Intensity (Lm)	*Xenon Code
MR11-20	20W	12V	GU4/GZ4	30°	1100	-
MR16-20	20W	12V	GU5.3	36°	500	-
MR16-35	35W	12V	GU5.3	36°	850	XMR16-35
MR16-50	50W	12V/24V/230V	GU5.3	36°	1550	*XMR16-50
MR16-50/60	50W	12V	GU5.3	60°	750	-
GU10-35	35W	230V	GU10	30°	600	XGU10-35
GU10-50	50W	230V	GU10	30°	1000	XGU10-50

*XMR16 Xenon Lamp not available in 230V and 24V. Only 12V

Closed Type

Code	Watts	Voltage	Base Type	Beam Angle	Luminous Intensity (Lm)	Xenon Code
MR11S-20	20W	12V	GU4	30°	1100	-
MR16S-20	20W	12V	GU5.3	36°	500	-
MR16S-35	35W	12V	GU5.3	36°	850	XMR16S-35
MR16S-50	50W	12V/24V/230V	GU5.3	36°	1550	*XMR16S-50
MR16S-50/60	50W	12V	GU5.3	60°	750	-
GU10S-35	35W	230V	GU10	30°	600	XGU10S-35
GU10S-50	50W	230V	GU10	30°	1000	XGU10S-50

*XMR16 Xenon Lamp not available in 230V and 24V. Only 12V

Closed Type Coloured Lens

Code	Watts	Voltage	Base Type	Beam Angle	Luminous Intensity (Lm)	Xenon Code
MR16S-20*	20W	12V	GU5.3	24°	950	-
MR16S-35*	35W	12V	GU5.3	24°	1800	-
MR16S-50*	50W	12V	GU5.3	24°	3000	-

*Add colour of lens to code: ● R (Red), ● G (Green), ● Y (Yellow), ● B (Blue) or ● P (Purple)

Halogen Lamps Colour Temp K = 2900

Code	Watts	Voltage	Luminous Intensity (Lm)	Base	Size L x Ømm
G4-12-10	10W(G4)	12V	150	G4	30 x 8
G4-12-20	20W (G4)	12V	350	G4	30 x 8
JC-12-20	20W	12V	350	G6.35/GY6.35	38 X 10
JC-12-35	35W	12V	650	G6.35/GY6.35	38 x 10
JC-12-50	50W	12V	1000	G6.35/GY6.35	38 x 10
JCD-35	35W	220-240V	420	G6.35/G8	45 x 13
JCD-50	50W	220-240V	600	G6.35/G8	45 x 13
JCD-100	100W	220-240V	1200	G6.35/G8	54 x 13
JCD-150	150W	220-240V	2100	G6.35/G8	54 x 13
JCD-G9-20	20W (G9)	220-240V	420	G9	45 x 13
JCD-G9-35	35W (G9)	220-240V	600	G9	45 x 13
JCD-G9-50	50W (G9)	220-240V	1000	G9	45 x 13
JD-75	75W	220-240V	950	BA15d	75 x 12.5
JD-100	100W	220-240V	1150	BA15d	75 x 14
JDR-50-E14	50W	220-240V	1000	E14	75 x 50
JDR-50-E27	50W	220-240V	1000	E27	75 x 50
JDR-50-B22	50W	220-240V	1000	B22	75 x 50
JDR-75-E14	75W	220-240V	1200	E14	75 x 50
JDR-75-E27	75W	220-240V	1200	E27	75 x 50
JDR-75-B22	75W	220-240V	1200	B22	75 x 50
JDR-100-E14	100W	220-240V	1400	E14	75 x 50
JDR-100-E27	100W	220-240V	1400	E27	75 x 50
JDR-100-B22	100W	220-240V	1400	B22	75 x 50



DISCHARGE & OTHER LAMPS



Watts	Metal Halide (MH) Code				High pressure Sodium (HPS) Code		
	G12	Rx7s	Tubular	Elliptical	ST (Rx7s)	Tubular	Elliptical
50W	G12-50 *	-	-	-	-	-	-
70W	G12-70 *	MD-70	-	MTE-70-E27	ST-70	SD-70-E27 SD-70I-E27†	-
150W	G12-150 NEW	MD-150	-	MTE-150-E27	ST-150	SD-150-*	SE-150-E40
250W	-	-	MT-250-E40	MTE-250-E40	-	SD-250-E40	SE-250-E40
400W	-	-	MT-400-E40	MTE-400-E40	-	SD-400-E40	SE-400-E40
1000W	-	-	MT-1000-E40 NEW	MTE-1000-E40	-	SD-1000-E40 NEW	SE-1000-E40 NEW

* Add voltage to code: 12V or 230VAC

*Add base to code: E27 or E40
†High pressure sodium with internal igniter

Colour

Watts	Colour	Code
150W	-	MD-150-*
400W	-	JLZ400-*

* Add colour to code: ● BL (Blue), ● GN (Green)

Mercury Vapour

Code	Watts	Luminous Intensity (lm)	Base	Code	Watts	Luminous Intensity (lm)	Base	Notes
QE-80	80W	3240lm	E27	QE-125	125W	5800lm	E27	Mercury Vapour
QE-250	250W	11025lm	E40	QE-400	400W	21000lm	E40	Mercury Vapour

Mercury Vapour Blended

Code	Watts	Luminous Intensity (lm)	Base	Code	Watts	Luminous Intensity (lm)	Base	Notes
QB-160	160W	3100lm	E27	QB-250	250W	5600lm	E40	Mercury Blended
				QB-500	500W	14000lm	E40	Mercury Blended

MD-(HQI-TS); MT-(HQI-T); MTE-(HQI); SD-(NAV-TS); SE-(NAVE); QE-(HQL); QB-(Mercury Vapour blended lamps)
Expected lamp life 5000hrs; Lamps to be used with relevant control gear.

Incandescent Lamps

Type	E14 (Watts)	BA15D (Watts)	BA15S (Watts)	BA15D (Watts)	E14 (Watts)	BA15D (Watts)
Size:	16 x 45	16 x 45	35 x 56	35 x 56	45 x 75	16 x 54
Volts: *12	ACL1* 5	ACL31* 5	ACL41* 45	ACL42* 45	-	ACL61* 7
24	ACL1 5	ACL31* 5	ACL41* 45	ACL42* 45	-	ACL61* 7
110/130	ACL1 7/10	ACL31* 10	-	-	ACL51* 40	ACL61* 7
230/240	ACL1 7/10	ACL31* 10	-	-	ACL51* 40	ACL61* 7
Suitable for:	GW27415/6/7/8/9	LM... series	113/N, 150/N	-	113/N*...110V, 150/N...	Type 210 page 246

PAR56 (For swimming pools)			PAR46 Lamp (For swimming pools)			Incandescent PAR38 Lamp			Auto Halogen Lamps			Frosted Reflective			
Code	Watts	Base	Code	Watts	Base	Code	Watts	Base	Code	Watts	Base	Code	R	(W)	Base
ACL81	120W	Fast on	ACL46	100W	Fast on	ACL91	75W	E27	H3-6VDC	55W	PK22S	ACL71	50	40	E14
-	-	-	-	-	-	ACL92	100W	E27	H3-12VDC	55W	PK22S	ACL72	50	40	E27
-	-	-	-	-	-	ACL93	150W	E27	H3-12VDC	100W	PK22S	ACL73	60	60	E27
-	-	-	-	-	-	-	-	-	H3-24VDC	55W	PK22S	ACL74	80	75	E27
-	-	-	-	-	-	-	-	-	-	-	-	ACL75	80	100	E27