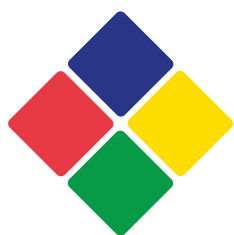


LED SIGNAGE SOLUTIONS



LUCOLED

Experience Lighting

Middle East April 2025

LUCOLED

BACK LIGHTING

EXTREME

XR10	04
XR20/24/28	06

VALUE

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EPREL Energy efficiency class	38
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LUCOLED

Experience Lighting

LUCOLED: NOT JUST ANOTHER LED COMPANY

PAY FOR PERFORMANCE

At LucoLED we operate at the simple principle that the customer should only pay for product performance and not for the overhead and excessive margins most major brands add to their cost.

It is LucoLED's mission to provide fit for purpose, reliable and efficient lighting solutions for visual communication and brand identity.

EXPERIENCE

LucoLED is based on over 25 years of experience in the signage industry and has developed an in depth knowledge of the basic needs of the market. Backed by industry leading design and production facilities LucoLED provides high quality products with exceptional performance and warranties.

LucoLED's ODM production uses state of the art equipment and has extensive R&D and testing facilities.

Besides a range of standard products LucoLED can also offer tailor made solutions with minimum lead time.

COMPLETE SOLUTION

LucoLED offers a complete system solution for letters, light boxes, flexible and linear accents. Including their own full range power A. LucoLED offers an extended system warranty up to the lifetime of the sign as we believe in our products.

GLOBAL REACH

LucoLED products are available globally through a distribution and logistics network covering over 80 countries. With offices in Belgium, The Netherlands and India and seven warehouse locations in various countries we optimise logistics and guarantee a short delivery time for local customers.

REFERENCES

LucoLED products are used by many international brands as Shell, Lidl, Starbucks, ESSO, UNO, PUMA, Pizza Hut, Mc Donald's, BP and many more.

INNOVATION

LucoLED continues to bring innovations to the LED sign industry. Examples are Lucoline, high efficiency optics, intelligent controls for dimming, layout software tools for Lucoline, lightboxes and channel letters.



LUCOLED XR10

- *Advanced Helios Ultra Flat Beam lens technology*
- *Constant Current Technology*
- *Narrow white binning*
- *24 Volt for longer module chains*
- *Sign Life Warranty, 4 years extended labour coverage included.*

Lucoled Extreme XR10 modules offer a high quality and efficient backlit solution for light-boxes and channel letters between 25 mm and 75 mm deep.

Using efficient LED technology and Helios flat beam optics Lucoled Extreme series offers industry leading efficacy and coverage.

The XR10 modules are designed for channel letters with a depth as shallow as 25 mm and offer a cost effective alternative to Block LED solid acrylic letters.

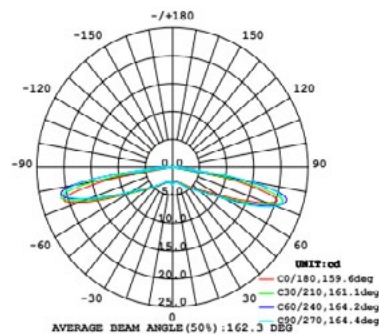
Lucoled Extreme series offers a 4 years extended warranty as part on the Sign Life Warranty, making it the optimum choice for your high valued projects and critical installations. Your warranty exposure is reduced to a minimum.

SPECIFICATIONS

- Dimensions 31.5x19x8 mm
- Sign Life Warranty (first 2 years extended)
- Beam angle: 175°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning, SDMC 3
- 24 V DC Constant Current Technology
- Operating temperature -40°~+60°C

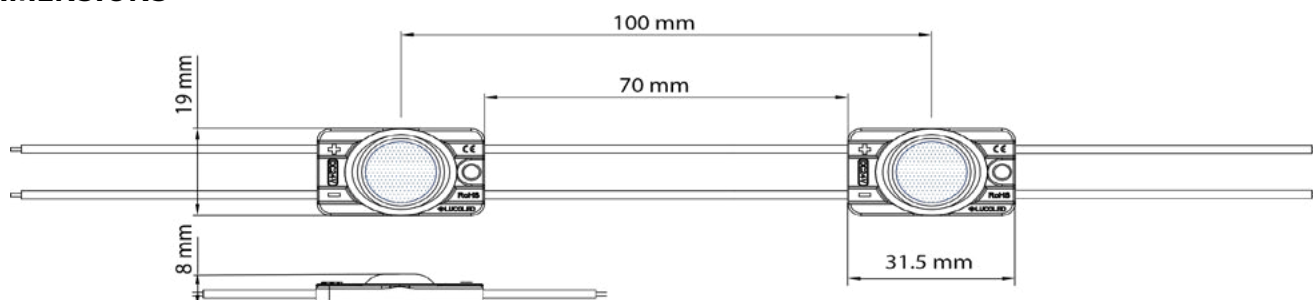


LUMINOUS INTENSITY DISTRIBUTION



Item no	LED colour	CT (K)/nm	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Energy Class
XR10-W65	white	6500	>80	0.36	60	167	24	60	C

DIMENSIONS



Light box depth (mm)	Module	Space between modules (mm)	Installing density (pcs/m ²)	Wattage per m ² (W)	Lumen per m ² (Lm)	
dz=25	XR10	dx=55, dy=55	324	116.6	6996	
dz=50	XR10	dx=75, dy=65	195	70.2	4212	
dz=75	XR10	dx=100, dy=65	150	54.0	3240	

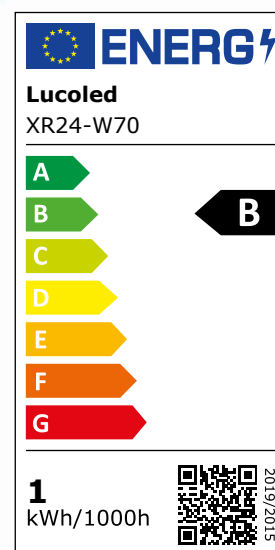
Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Lucolod advises to paint the inside of the box/letters in a matt white colour for achieving an optimal result. Always test before production.

POWER SUPPLY CAPACITY 24V SERIES

Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
XR10 modules / power supply (Maximum 60 XR10 modules per chain)	75	150	250	375	600	1000

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
XR10	60				528 x 376 x 272



LUCOLED XR 20/24/28

- *Most energy efficient LED module on the market: up to 197 lumen per Watt*
- *Advanced Helios Ultra Flat Beam lens technology*
- *Constant Current Technology*
- *Narrow white binning*
- *24 Volt for longer module chains*
- *Sign Life Warranty, 4 years extended labour coverage included.*

Lucoled Extreme XR modules offer a high quality and the most efficient backlit solution for lightboxes and channel letters between 40 mm and 300 mm deep.

Using the most efficient LED technology available and Helios flat beam optics Lucoled Extreme series offers industry leading efficacy and coverage. This not only reduces the amount of modules needed for an application, but also the overall power consumption, reducing the total cost of ownership of a project.

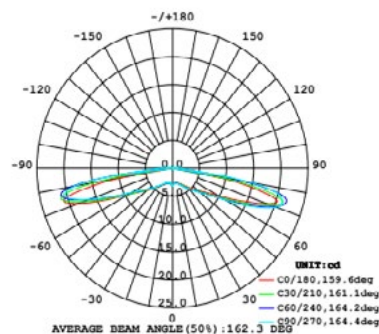
Lucoled Extreme series offers a 4 years extended warranty as part on the Sign Life Warranty, making it the optimum choice for your high valued projects and critical installations. Your warranty exposure is reduced to a minimum.

SPECIFICATIONS

- Dimensions 58x17x8.3 mm
- Sign Life Warranty (first 2 years extended)
- Beam angle: 175°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning, SDMC 3
- 24 V DC Constant Current Technology
- Operating temperature -40°~+60°C

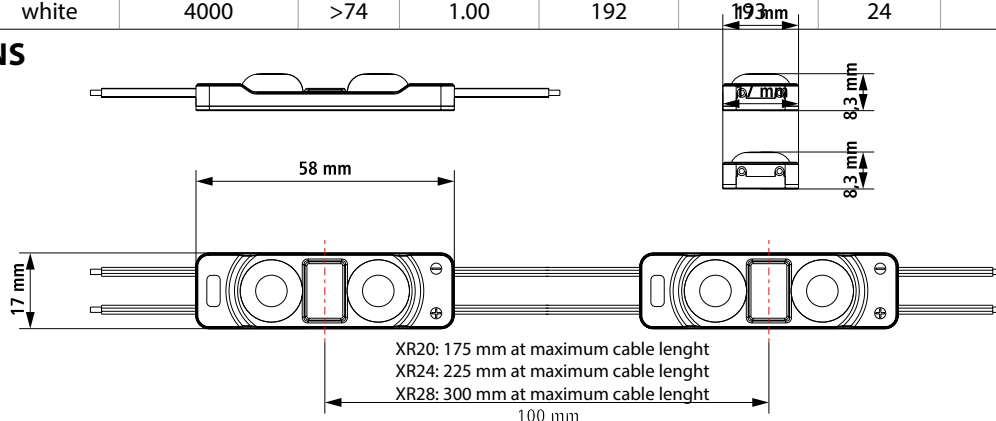


LUMINOUS INTENSITY DISTRIBUTION

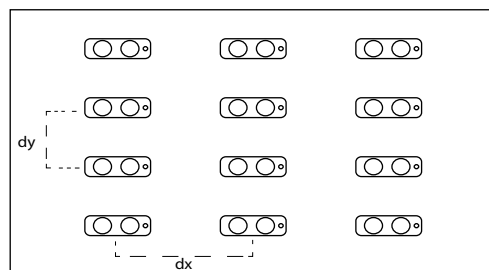


Item no	LED colour	CT (K)/nm	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Energy Class
XR20-W70	white	7000	>74	0.35	65	186	24	100	B
XR24-W30	white	3000	>74	0.72	133	184	24	60	B
XR24-W40	white	4000	>74	0.73	144	197	24	60	B
XR24-W50	white	5000	>74	0.71	137	193	24	60	B
XR24-W70	white	7000	>74	0.67	126	188	24	60	B
XR28-W70	white	7000	>74	1.02	187	183	24	45	C
XR28-W40	white	4000	>74	1.00	192	193	24	45	B

DIMENSIONS



Light box depth (mm)	Module	Space between modules (mm)	Installing density (pcs/m ²)	Wattage per m ² (W)
dz=40	XR20	dx=95, dy=95	100	35.0
dz=60	XR20	dx=110, dy=110	80	28.0
dz=60	XR24	dx=125, dy=125	64	42.9
dz=80	XR24	dx=160, dy=160	36	24.1
dz=100	XR24	dx=225, dy=165	27	18.1
dz=100	XR28	dx=200, dy=200	25	25.5
dz=120	XR28	dx=220, dy=220	20	20.4
dz=140	XR28	dx=250, dy=250	16	16.3
dz=180	XR28	dx=300, dy=240	14	14.3



Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Luceo advises to paint the inside of the box/letters in a matt white colour for achieving an optimal result. Always test before production.

POWER SUPPLY CAPACITY 24V SERIES

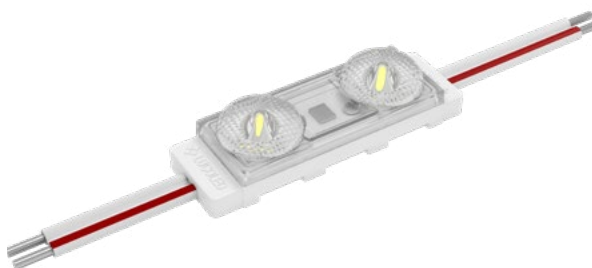
Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
XR20 modules / power supply (Maximum 100 XR20 modules per chain)	77	154	257	385	617	1028
XR24 modules / power supply (Maximum 60 XR24 modules per chain)	40	76	134	201	300	500
XR28 modules / power supply (Maximum 45 XR28 modules per chain)	26	52	88	132	211	352

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
XR20	100	12	1200	16.0	528 x 376 x 272
XR24	60	20	1200	16.0	528 x 376 x 272
XR28	45	24	1080	17.8	528 x 376 x 272



LUCOLED VR23



- *Up to 5 years warranty*
- *Lucolense prismatic angle technology*
- *high efficiency of 160 lumen per Watt*
- *Constant Current Technology*
- *Narrow white binning*
- *24V*
- *IP68*

Lucoled Value Range VR23 modules offers a high quality and efficient backlit solution for lightboxes and channel letters between 50 and 150mm deep.

Lucoled VR23 uses high efficiency LED's and optics. VR23 modules are manufactured using a revolutionary fully automated production process. This ensures a 100% consistent quality. All modules are in-line tested using vision technology and an AI based system. This results in a highly reliable, fit-for-purpose, solution for your every-day sign projects.

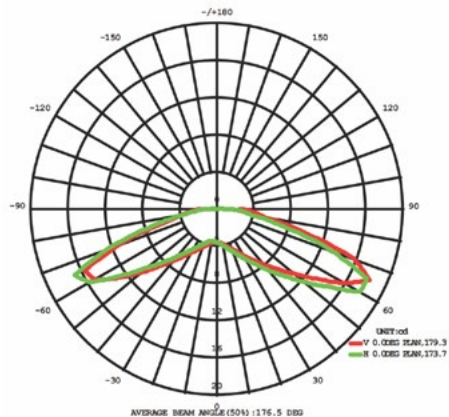
Lucoled VR23 offers the best price-performance ratio on the market.

SPECIFICATIONS

- Dimensions 41,5x13x10mm
- Warranty 5 years
- Beam angle: 175°
- Can be cut between every unit
- CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -20°C~+45°C

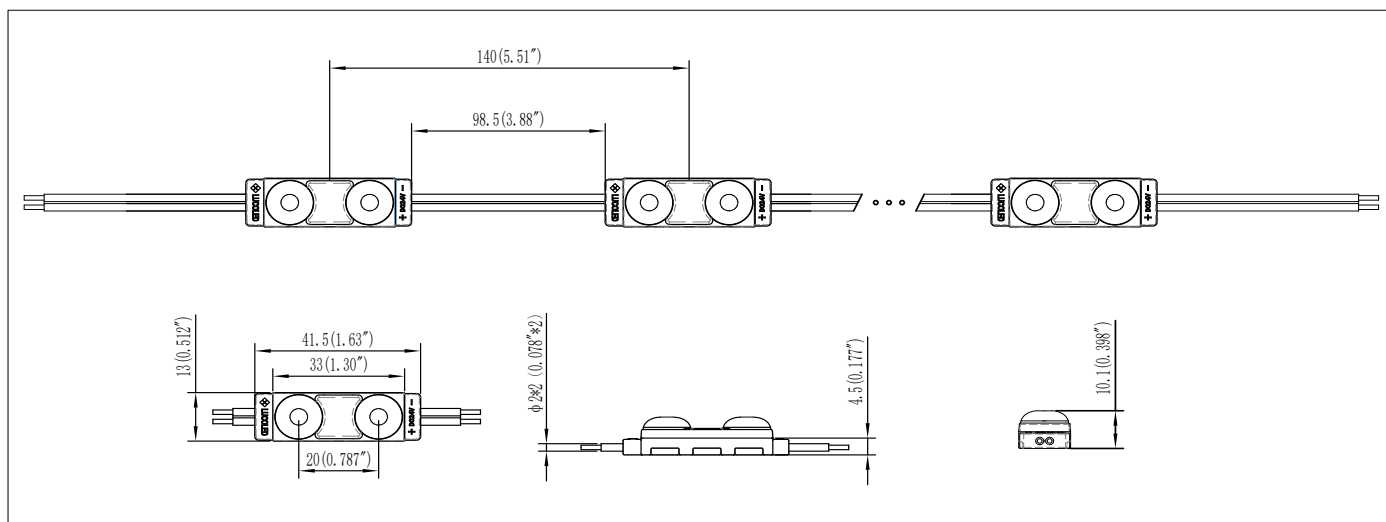


LUMINOUS INTENSITY DISTRIBUTION

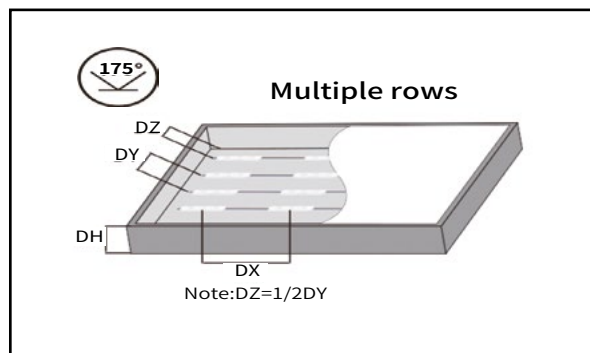


Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
VR23-W70	white	7000	>80	0.72	115	160	24	50	2000

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)
dh=60	dx=100, dy=100	81
dh=75	dx=140, dy=152	46
dh=100	dx=140, dy=200	28
dh=125	dx=140, dy=200	28



POWER SUPPLY CAPACITY 24V SERIES

Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
VR23-W70 modules per power supply	37	74	125	208	300	500
Maximum 50 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
VR23	200	10	2000	15	530 x 385 x 295



LUCOLED VR33



- *Up to 5 years warranty*
- *Lucolense prismatic angle technology*
- *high efficiency of 160 lumen per Watt*
- *Constant Current Technology*
- *Narrow white binning*
- *24V*
- *IP68*

Lucoled Value Range VR33 modules offers a high quality and efficient backlit solution for lightboxes and channel letters between 50 and 150mm deep.

Lucoled VR33 uses high efficiency LED's and optics. VR33 modules are manufactured using a revolutionary fully automated production process. This ensures a 100% consistent quality. All modules are in-line tested using vision technology and an AI based system. This results in a highly reliable, fit-for-purpose, solution for your every-day sign projects.

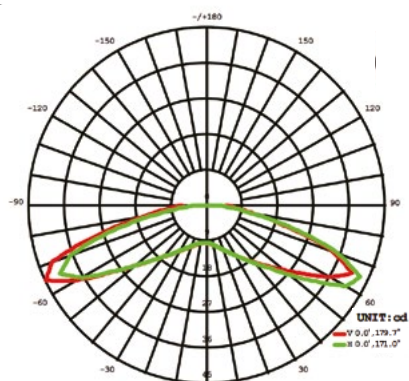
Lucoled VR33 offers the best price-performance ratio on the market.

SPECIFICATIONS

- Dimensions 61x13x10mm
- Warranty 5 years
- Beam angle: 175°
- Can be cut between every unit
- CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -20°C~+45°C

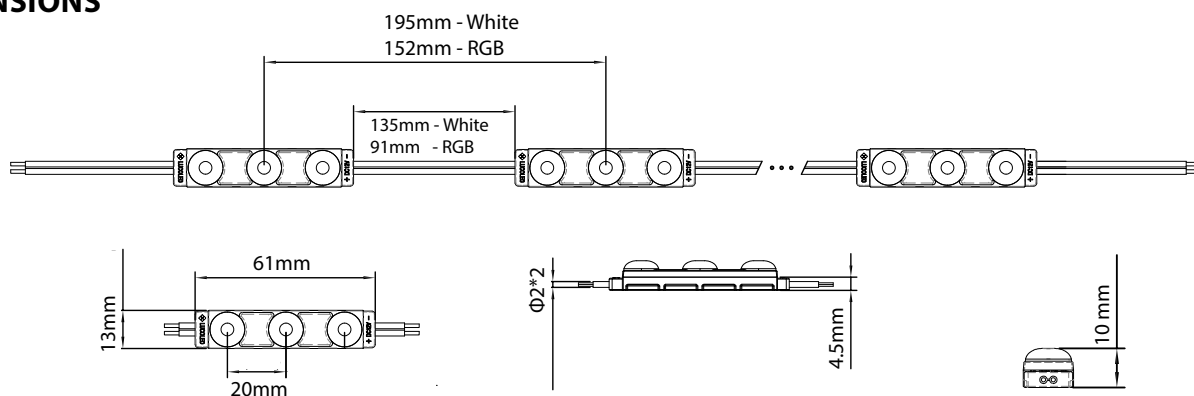


LUMINOUS INTENSITY DISTRIBUTION

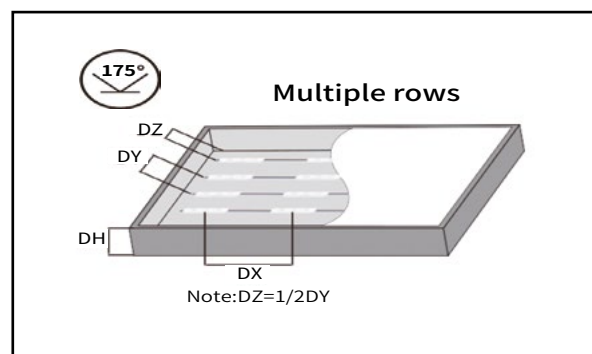


Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
VR33-W100	white	10000	>80	1.0	150	150	24	50	1600
VR33-W70	white	7000	>80	1.0	160	160	24	50	1600
VR33-R	red	620-630	-	0.72	25	35	24	50	2000
VR33-G	green	515-525	-	0.72	50	70	24	50	2000
VR33-B	blue	455-465	-	0.72	8	11	24	50	2000

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)
dh=60	dx=125, dy=125	64
dh=75	dx=142, dy=142	49
dh=100	dx=167, dy=167	36
dh=125	dx=195, dy=167	30
dh=150	dx=195, dy=167	30



POWER SUPPLY CAPACITY 24V SERIES

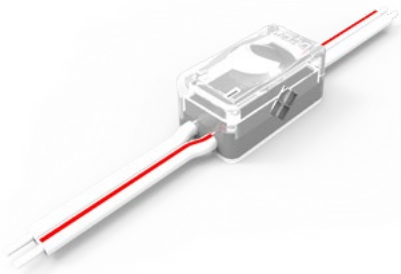
Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
VR33-W70/W100 modules per power supply	27	54	90	135	216	360
VR33-R/G/B modules per power supply	37	75	125	187	300	500
Maximum 50 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
VR33	200	10	1600	14	530 x 380 x 290
VR33-R/G/B	200	10	2000	17	530 x 380 x 290



LUCOLED BL11



- *5 years warranty*
First 2 years extended warranty
- *High efficacy: 158lm/W*
- *Constant Current Technology*
- *Narrow white binning*

Lucoled Plus BL11 modules offer a high quality and efficient backlit solution for channel letters made from routed full acrylic.

Lucoled Plus BL11 modules are IP65 and can be used without the need for fully potting the acrylic letters. This makes the production process much cleaner and faster. Potting material can also damage LED phosphor and can have a colour shift and reduced life as a result. The BL11 is a fully enclosed module and does not have this disadvantage.

Lucoled Plus BL11 can also be used in very narrow and small traditional channel letters.

SPECIFICATIONS

- Dimensions 13x7x7mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 120°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C

UL

CE

RoHS

1
LED

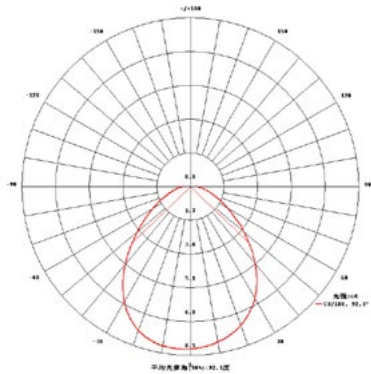
Injection
Molding
Device

DC
12V

IP
65

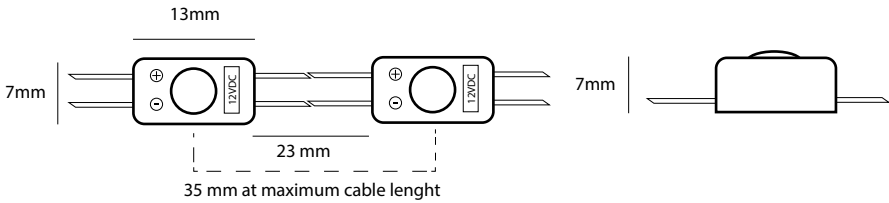
5
Years

LUMINOUS INTENSITY DISTRIBUTION



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
BL11-W65	white	6500	>70	0.24	38	158	12	50	8400
BL11-W30	white	3000	>70	0.24	38	158	12	50	8400

DIMENSIONS



POWER SUPPLY CAPACITY 12V SERIES

Item	xx1230	xx1260	xx12100	xx12150	VP12240	VP12400
Power Output	30W	60W	100W	150W	240W	400W
BL11 modules / power supply	112	225	375	562	900	1500
Maximum 50 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
BL11	300	28	8400	12.5	264 x 376 x 272

WELCOME TO GRAND CENTRAL

LUCOLED BL17



- *5 years warranty*
First 2 years extended warranty
- *Lucolense Technology*
- *High efficacy: 160 lm/W*
- *Constant Current Technology*
- *Narrow white binning*

Lucoled Plus BL17 modules offer a high quality and high efficient backlit solution for small face lit channel letters with a depth from 20 to 60mm and stroke widths up to 50 mm for a single row.

Lucoled Plus BL17 modules are IP67 and can be used in outdoor applications.

Lucoled Plus BL17 modules are available in several colour temperatures.

SPECIFICATIONS

- Dimensions 10x16x8.8mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 160°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+80C

UL

CE

RoHS

1
LED

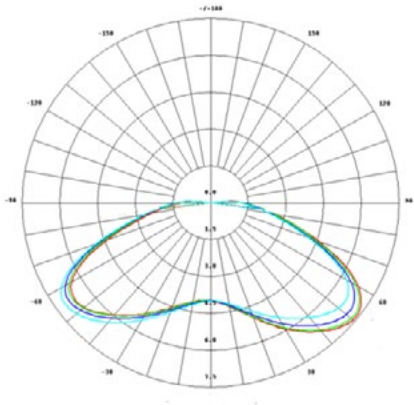
Injection
Molding
Device

DC
12V

IP
67

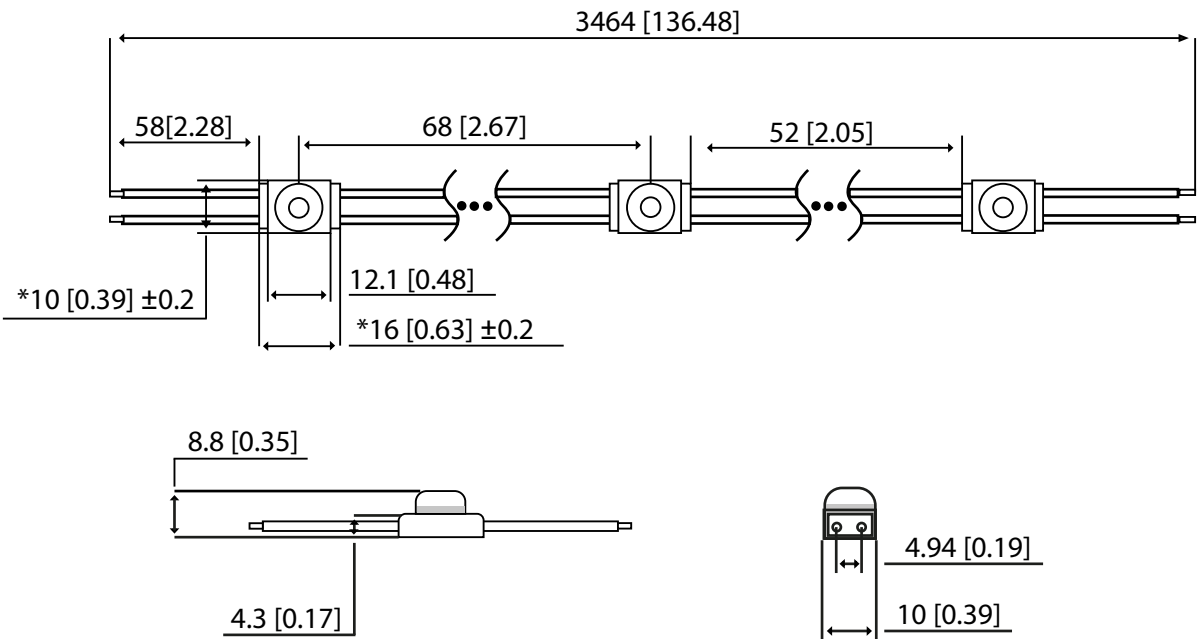
5
Years

LUMINOUS INTENSITY DISTRIBUTION



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
BL17-W35	white	3500	>70	0.24	38	160	12	50	5000
BL17-W70	white	7000	>70	0.24	38	160	12	50	5000

DIMENSIONS



POWER SUPPLY CAPACITY 12V SERIES

Item	xx1230	xx1260	xx12100	xx12150	VP12240	VP12400
Power Output	30W	60W	100W	150W	240W	400W
BL17 modules / power supply	112	225	375	562	900	1500
Maximum 50 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
BL17	500	10	5000	11.2	530 x 380 x 280



LUCOLED BL36-RGBW



- *5 years warranty*
- *Lucolense wide beam technology*
- *RGBW True white technology*

Lucoled Plus BL36-RGBW modules offer a high quality backlit solution for colour changing or custom colour channel letters and lightboxes with a depth of 80 – 250 mm.

Using the latest 4-in-1 package RGBW technology the modules can create a true white, as it contains a separate white LED. By adding white to the RGB mix it is possible to accurately match any colour desired and make pastel and lighter colours more vibrant. The special optics provide optimal mixing of the individual colours and make it possible to use the modules in shallow applications.

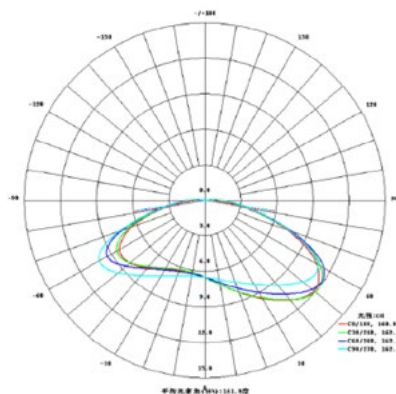
Lucoled Plus BL36-RGBW can be controlled by all available control systems in the market, offering maximum flexibility for your projects.

SPECIFICATIONS

- Dimensions 78x178x11mm
- Warranty 5 years
- Beam angle: 160°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Constant Current Technology
- Operating temperature -25°~+60°C
- R = 625 nm, G = 525 nm, B = 470 nm
- W = 6500K

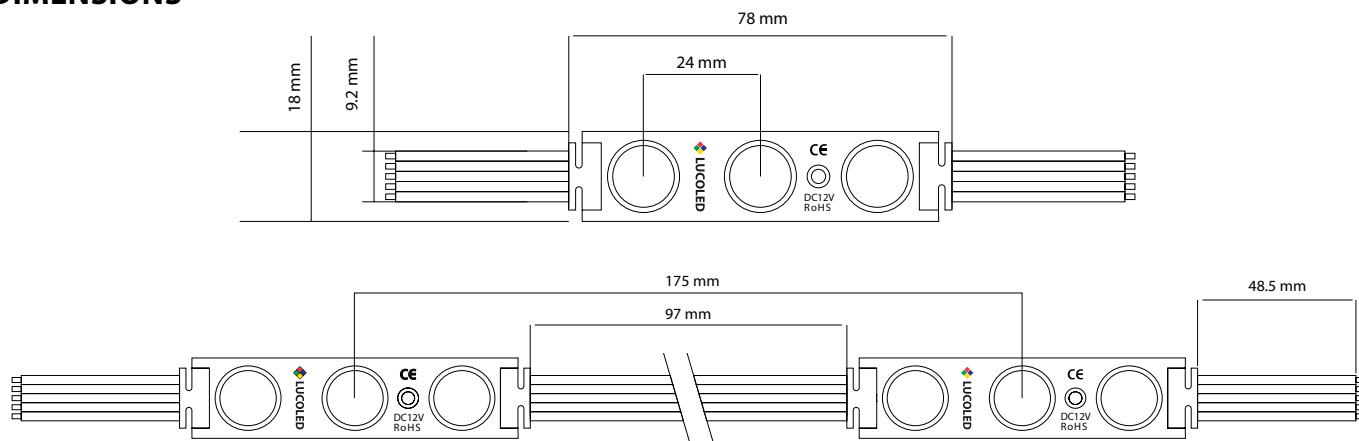


LUMINOUS INTENSITY DISTRIBUTION



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Voltage (DC)	Modules per chain	Modules per carton
BL36-RGBW	RGBW	RGBW (W=6500)	>75	1.02 (RGBW on)	R8 G16 B4 W26	12	20	640

DIMENSIONS



POWER SUPPLY CAPACITY 12V SERIES

Item	xx1230	xx1260	xx12100	xx12150	VP12240	VP12400
Power Output	30W	60W	100W	150W	240W	400W
BL36 modules / power supply (RGBW all on)	27	54	90	135	212	352
Maximum 20 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
BL36-RGBW	40	16	640	16.1	528x 378 x 272



LUCOLED BL60-TW



- *5 years warranty*
- *Lucolense prismatic angle technology*
- *high efficiency of 140 lumen per Watt*
- *Constant Current Technology*
- *Narrow white binning*
- *24V*
- *Tuneable White*

Lucoled Value Range BL60 modules offer a high quality and efficient backlit solution for lightboxes and stretched ceilings.

Lucoled BL60 uses high efficiency LED's and optics and are designed for illuminating large surfaces, like stretched ceilings.

The tuneable white option, combined with Lucoled's control range, make human centric lighting possible. The colour of the illumination can be adapted to the desired mood and time-of-day.

SPECIFICATIONS

- Dimensions 181x27.5x9mm
- Warranty 5 years
- Beam angle: 170°
- Can be cut between every unit
- CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -20°C~+45°C

CE

RoHS

6
LED

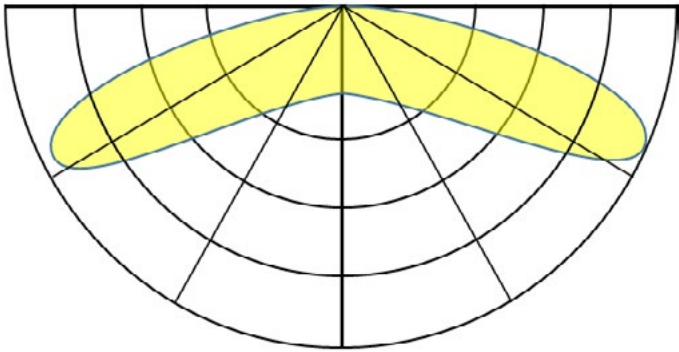
Ultra
Sonic
Welding

DC
24V

IP
67

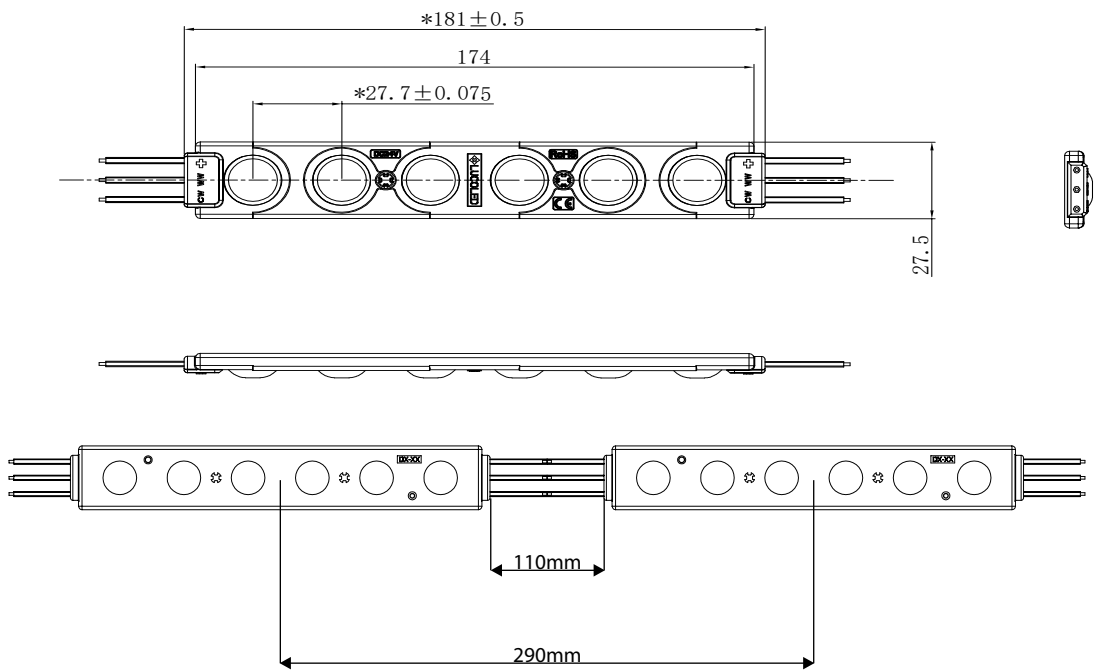
5
Years

LUMINOUS INTENSITY DISTRIBUTION



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
BL60-TW	white	2700 & 6500 both full on	>80	3.0	420	140	24	25	350
BL60-TW	white	2700 only	>80	1.5	203	135	24	25	350
BL60-TW	white	6500 only	>80	1.5	218	145	24	25	350

DIMENSIONS



POWER SUPPLY CAPACITY 24V SERIES

Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
BL60 modules per power supply	9	18	30	45	72	120
Maximum 25 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
BL60	25	25	350	24.6	528 x 376 x 272



LUCOLED BL72



- *5 years warranty*
First 2 years extended warranty
- *Lucolense wide beam technology*
- *High efficacy*
- *Constant Current Technology*
- *Narrow white binning*

Lucoled Plus BL72 modules offer a high quality and efficient backlit solution for lightboxes with a depth of 120-300 mm.

Using the latest Top-Tier LED technology and high quality patented optics Lucoled Plus BL72 offers industry leading efficacy and coverage. This not only reduces the amount of modules needed for an application, but also the overall power consumption.

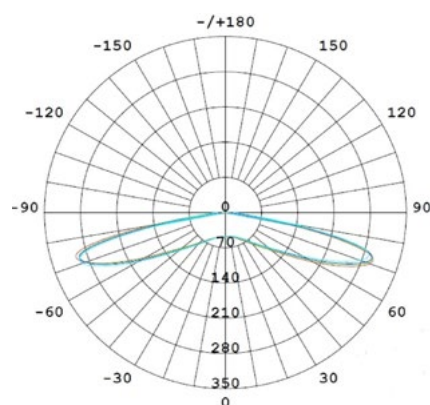
In a typical application of 160 mm deep only 4 modules per square meter are used at maximum wire spacing, making installation very fast and less labour-intensive. By using only 28 W per square meter the number of power supplies needed is also strongly reduced.

SPECIFICATIONS

- Dimensions 100x90x10mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 160°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C

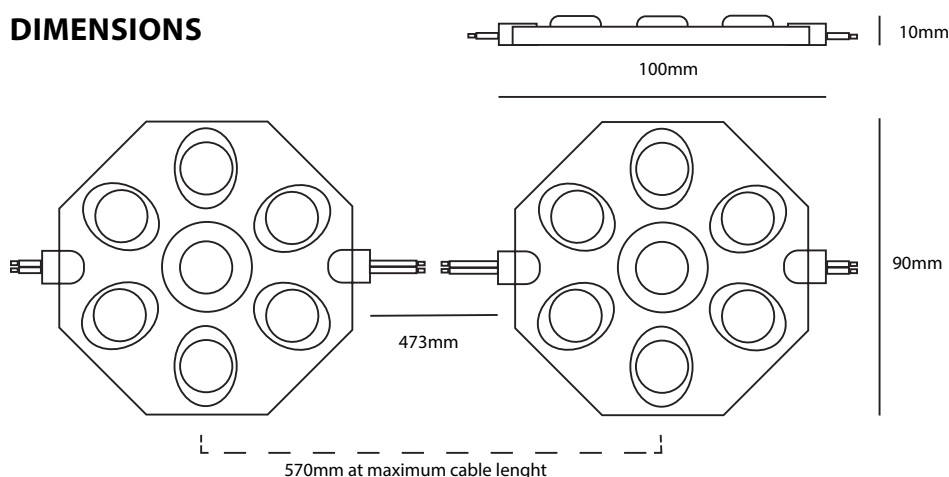


LUMINOUS INTENSITY DISTRIBUTION

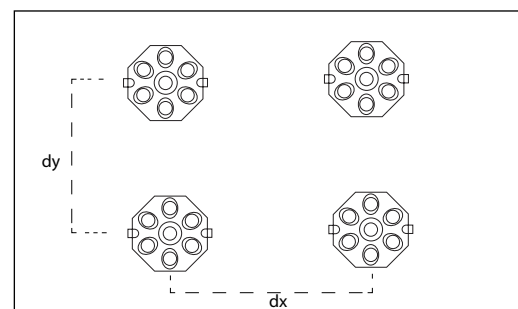


Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
BL72-W65	white	6500	>70	7.0	1035	148	24	10	80

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m ²)	Surface luminance range (cd/m ²)
dz=120	dx=300, dy=300	9	1250-1350
dz=150	dx=450, dy=400	6	850-950
dz=180	dx=500, dy=500	4	450-550
dz=180	dx=450, dy=400	6	700-800
dz=180	dx=300, dy=300	9	1050-1150
dz=250	dx=500, dy=500	4	350-450



Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Luceo advises to paint the inside of the box/letters in a matt white colour for achieving an optimal result. Always test before production.

POWER SUPPLY CAPACITY 24V SERIES

Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
BL72 modules / power supply	3	7	13	19	30	50
Maximum 10 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bags / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
BL72	10	8	80	15.3	350 x 260 x 250



LUCOLED BLI



- *5 years warranty*
- *Lucolense prismatic flat beam technology*
- *High efficacy*
- *Constant Current Technology*
- *Narrow white binning*

Lucoled BLI LED bars offer a high quality and efficient backlit solution for very shallow lightboxes down to 30 mm deep.

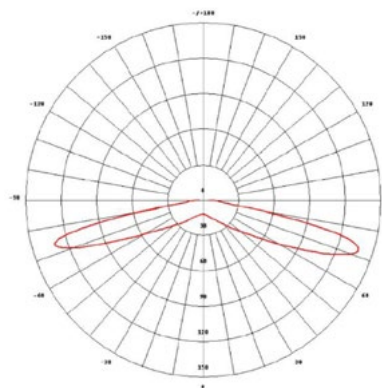
The BLI series comes in 3 lengths, each simply cuttable to fit your lightbox. The whole system is equipped with connectors and comes with a pre wired connection system, making it a plug-and-play installation.

The BLI series uses the latest reimagined flat beam prism lens technology, reducing the number of LED's required for an even illumination and thus also reducing required power per square meter to only 57 W/m². This while offering 6.798 lumen per square meter, 120 lm/W efficiency, giving a bright and efficient result at reduced total cost of ownership.

SPECIFICATIONS

- 2835 SMD LED with long life and low attenuation
- Easy installation with connectors and prewired cable harness, plug and play.
- Warranty 5 years
- Beam angle: 170°
- Cutable every 2 LEDs
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C

LUMINOUS INTENSITY DISTRIBUTION



UL	CE	RoHS	2 LEDS	bare board series	DC 24V	IP 20	5 Years
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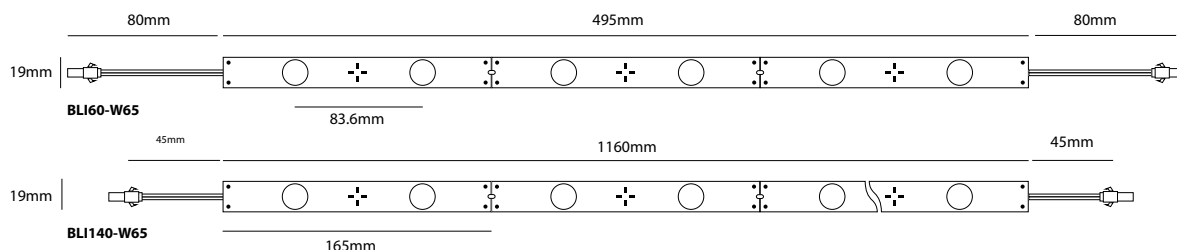
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules in series	Modules per BLI-CON	Modules per carton
BLI20-W65	white	6500	>70	0.86	101	118	24	24	180	200
BLI20-W40	white	4000	>70	0.86	101	118	24	24	180	200
BLI20-W30	white	3000	>70	0.86	101	118	24	24	180	200
BLI60-W65	white	6500	>70	2.6	312	120	24	8	60	180
BLI60-W40	white	4000	>70	2.6	312	120	24	8	60	180
BLI60-W30	white	3000	>70	2.6	312	120	24	8	60	180
BLI140-W65	white	6500	>70	6	720	120	24	4	30	300

ACCESSORIES

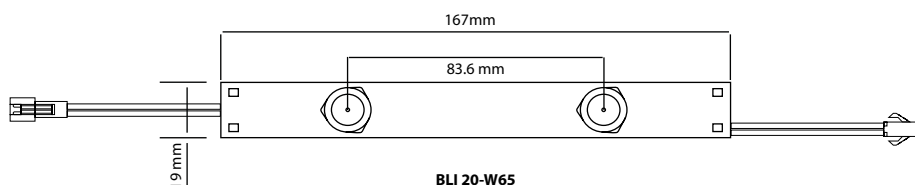
Item no	Description
BLI-CON	BLI cable assembly, 1.5m, 12 connections, every 10cm.
BLI-FCON	BLI power flying leads with female connector
BLI-MCON	BLI power flying leads with male connector
BLI-JCT-300	BLI junction cable male-female 300mm



DIMENSIONS



Light box depth (mm)	row distance (mm)
30 - 60mm	80mm
60 - 80mm	90mm
80 - 100mm	100mm



POWER SUPPLY CAPACITY 24V SERIES

Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
BLI 20 modules / power supply	30	60	104	156	251	418
BLI 60 modules / power supply	10	20	34	52	83	138
BLI140 modules / power supply	4	9	15	22	36	60

PACKAGING

Item	Qty (pcs/bag)	Qty (bags / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
BLI20-W65	10	20	200	4.2	358x256x244
BLI60-W65	9	20	180	9.2	570x340x250
BLI140-W65	10	30	300	30.0	1220x340x250
BLI-CON	30	1	30	5	400x300x150



LUCOLED EL10



- *5 years warranty*
First 2 years extended warranty
- *Lucolense narrow beam technology*
- *High efficacy*
- *Constant Current Technology*
- *Narrow white binning*

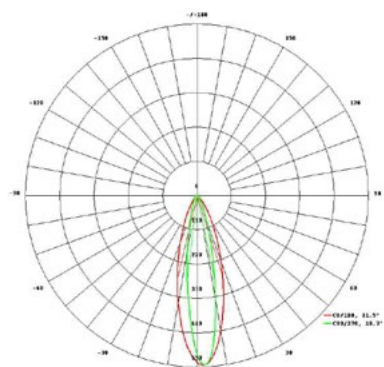
Lucoled Edge Lighting EL10 modules offer a high quality and efficient solution for single-sided signs with a depth of 80-150 mm and double-sided signs with a depth of 80-150 mm, max. 1000 mm wide.

Lucoled EL10 uses patented light reflection technology to evenly illuminate single and double-sided small light boxes and signs. The licensed technology is based on the face being illuminated by over 70% indirect, internally reflecting, light transmitted by narrow beam flare lenses. The modules are mounted on the sides of the box, directing a beam of light at the opposite side. The reflecting light evenly illuminates the face.

EL10 is ideal for round, oval or any other non-rectangular shaped sign as the individual modules can be positioned following the shape of the sides.

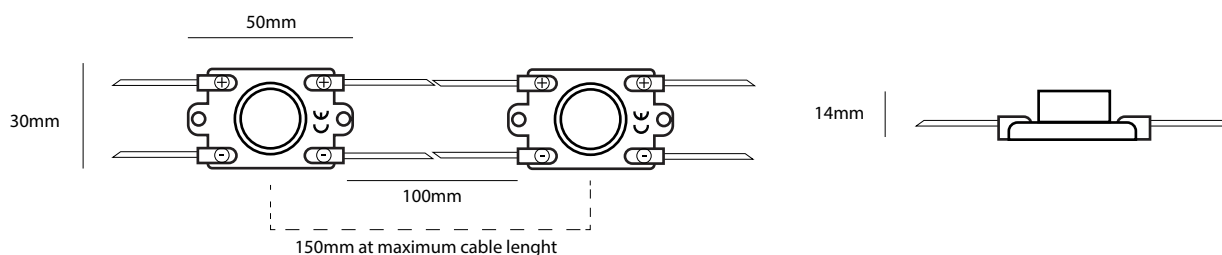
SPECIFICATIONS

- Dimensions 50x30x14mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 19° * 32°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
EL10-W30	white	3000	>70	1.6	160	100	12	25	600
EL10-W65	white	6500	>70	1.6	160	100	12	25	600

DIMENSIONS

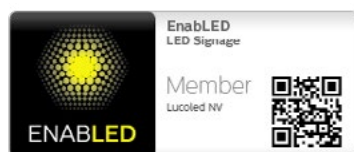


POWER SUPPLY CAPACITY 12V SERIES

Item	xx1230	xx1260	xx12100	xx12150	VP12240	VP12400
Power Output	30W	60W	100W	150W	240W	400W
EL10 modules / power supply	16	33	56	84	135	225
Maximum 25 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
EL10	50	12	600	10,5	528 x 376 x 272



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LUCOLED EL31



- *5 years warranty*
First 2 years extended warranty
- *Lucolense narrow beam technology*
- *High efficacy*
- *Constant Current Technology*
- *Narrow white binning*

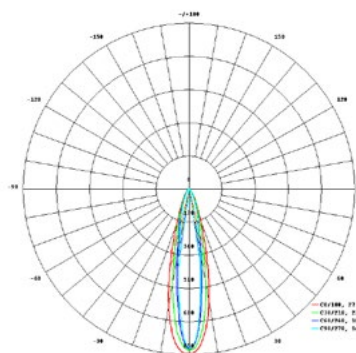
Lucoled Edge Lighting EL31 modules offer a high quality and efficient solution for single-sided lightboxes with a depth of 50-100 mm and double-sided lightboxes with a depth of 100-150 mm, max. 1000 mm wide.

Lucoled EL31 uses patented light reflection technology to evenly illuminate single and double-sided medium size light boxes and signs. The licensed technology is based on the face being illuminated by over 70% indirect, internally reflecting, light transmitted by narrow beam flare lenses. The modules are mounted on the sides of the box, directing a beam of light at the opposite side. The reflecting light evenly illuminates the face.

EL31 is ideal for medium size rectangular shaped signs. The individual modules are normally positioned on opposite sides on the longest side of the sign.

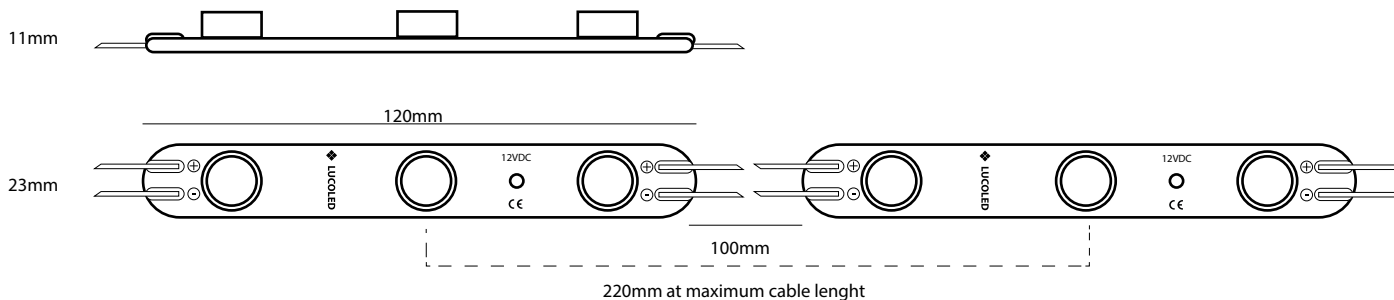
SPECIFICATIONS

- Dimensions 120x23x11mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 18° * 25°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Models per carton
EL31-W30	white	3000	>70	2.88	327	114	12	20	480
EL31-W40	white	4000	>70	2.88	327	114	12	20	480
EL31-W65	white	6500	>70	2.88	327	114	12	20	480

DIMENSIONS

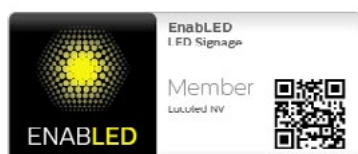


POWER SUPPLY CAPACITY 12V SERIES

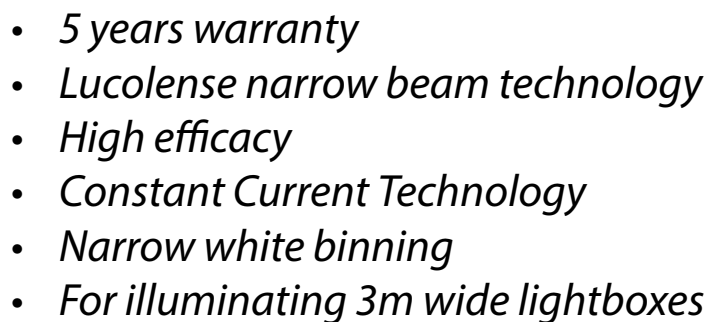
Item	xx1230	xx1260	xx12100	xx12150	VP12240	VP12400
Power Output	30W	60W	100W	150W	240W	400W
EL31 modules / power supply	9	18	31	46	75	125
Maximum 20 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
EL31	60	8	480	14,7	528 x 376 x 272

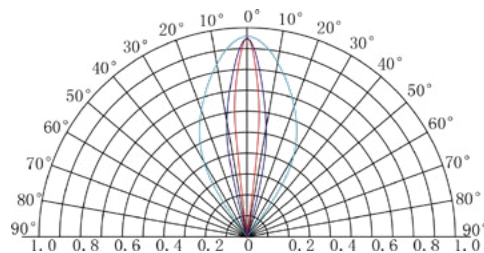


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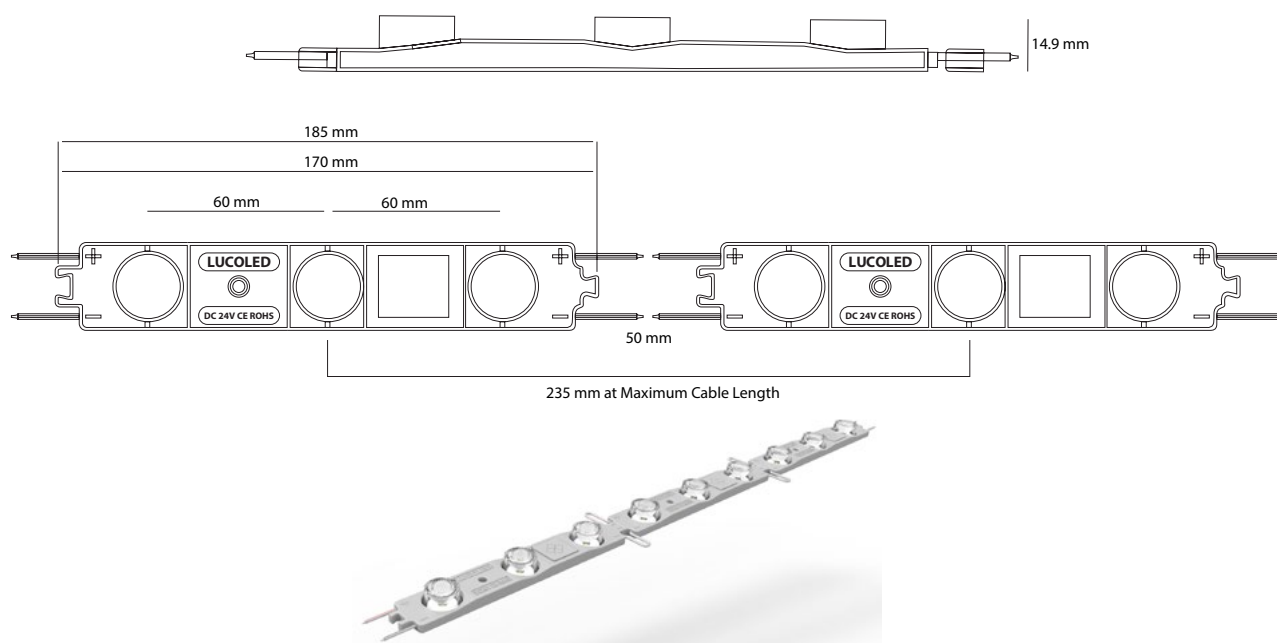
EL37 is ideal for large size rectangular shaped signs. The individual modules are normally positioned on opposite sides on the longest side of the sign.

- Dimensions 185x30x15mm
- Warranty 5 years
- Beam angle: 10° * 40°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
EL37-W65	white	6500	>75	5.9	740	125	24	20	360
EL37-W40	white	4000	>75	5.9	740	125	24	20	360

DIMENSIONS

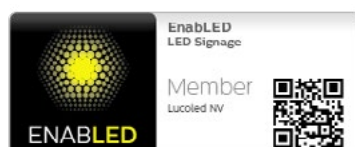


POWER SUPPLY CAPACITY 24V SERIES

Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
EL37 modules / power supply	4	9	15	22	36	60
Maximum 20 modules per chain						

PACKAGING

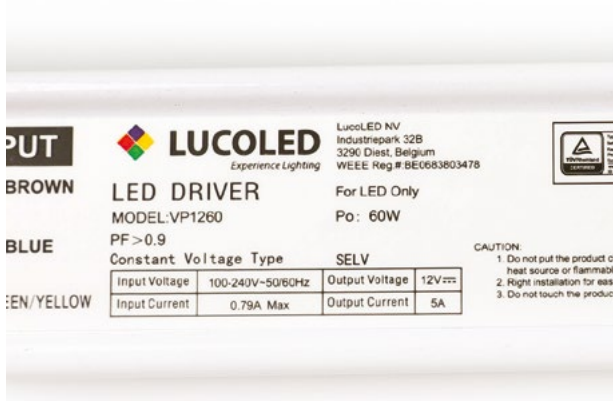
Item	Qty (pcs/bag)	Qty (bags / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
EL37	20	18	360	27	528x376x272



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LUCOLED POWER SUPPLIES AND CONTROLS



- Up to 7 years warranty
- Wide Voltage Input
- OVP, OCP, SCP, OTP protection function
- IP67 / IP68 Rating
- Class 2 (PPXS, PPDS)
- Class II (PPM)
- Dim option (PPDS)

Lucoled offers a full range of Premium Power Supplies. The various power options help you to match the installed power capacity to the total power used by your LED installation.

Lucoled Premium Power Supplies are designed and tested for safety, long life and reliability.

All power supplies are designed for outdoor use and carry all required international agency markings.

SPECIFICATIONS **NEW** 12V POWER SUPPLIES

Output Voltage	12V
Working temperature range	-40°C~+55°C
Input Voltage Range	100VAC~240VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage and Over-Temperature protection
IP Rating	IP68
MTBF	40Khrs. MIL-HDBK-217F(25°C)
Warranty	7 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
VP1260	5A	60W	≤0.8A	≥84%	186x40x29mm	0.55kg
VP12100	8.33A	100W	≤1.22A	≥90%	163x68x37mm	0.69kg
VP12150	12.5A	150W	≤1.81A	≥90%	185x68x37mm	0.79kg
VP12240	20A	240W	≤2.93A	≥90%	217x68x37mm	0.98kg
VP12400	33.33A	400W	≤4.87A	≥92%	251x86x42mm	1.66kg



SPECIFICATIONS **NEW** 24V POWER SUPPLIES

Output Voltage	24V
Working temperature range	-40°C~+55°C
Input Voltage Range	100VAC~240VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage and Over-Temperature protection
IP Rating	IP68
MTBF	40Khrs. MIL-HDBK-217F(25°C)
Warranty	7 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
VP2460	2.5A	60W	≤0.8A	≥84%	186x40x29mm	0.55kg
VP24100	4.17A	100W	≤1.22A	≥92%	163x68x37mm	0.69kg
VP24150	6.25A	150W	≤1.81A	≥93%	185x68x37mm	0.79kg
VP24240	10A	240W	≤2.93A	≥92%	217x68x37mm	0.98kg
VP24400	16.67A	400W	≤4.87A	≥93%	251x86x42mm	1.66kg



Important:

- Lucedo recommends loading power supplies up to 90% of their maximum listed capacity.
- Select a power supply for your installation loaded at more than 50% of its maximum load to meet Power Factor regulations.
- Install with adequate ventilation and not in direct sunlight.
- Power supplies to be installed by trained and certified staff.

SPECIFICATIONS 12V/24V MINI, DOUBLE-ISOLATED CLASS II, POWER SUPPLIES

Output Voltage	12V/24V
Working temperature range	-40°C~+65°C
Input Voltage Range	120VAC~270VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage protection
IP Rating	IP67
MTBF	≥70000hrs. MIL-HDBK-217F (25°C)
Warranty	5 Years, first 2 years extended.

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPM1260	5,0 A	60W	0.65 A/120 VAC - 0.35 A/270 VAC	≥90%	157x23x20mm	0,25kg
PPM12100	8.0 A	100W	1.1 A/120 VAC - 0.55 A/270 VAC	≥92%	157x29x20mm	0,3kg
PPM2460	2.5 A	60W	0.65 A/120 VAC - 0.35 A/270 VAC	≥90%	157x23x20mm	0,25kg
PPM24100	4.0 A	100W	1.1 A/120 VAC - 0.55 A/270 VAC	≥92%	157x29x20mm	0,3kg



IP67



SPECIFICATIONS SLIM SHORT POWER SUPPLIES

Output Voltage	12V
Working temperature range	-25°C~+45°C
Input Voltage Range	200VAC~240VAC
Input Frequency Range	50~60Hz
Protective Characteristics	Over-Current, Short-Circuit, Over Voltage protection
IP Rating	IP67
MTBF	≥50000hrs. MIL-HDBK-217F(25°C)
Warranty	7 Years, first 2 years extended.

Code	Output Voltage	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPXS1230	12 V	2.5A	30W	0.22A/200-240VAC	≥85%	183x35x20mm	0,25kg
PPXS1260	12 V	5A	60W	0.38A/200-240VAC	≥87%	183x35x20mm	0,25kg
PPXS12100	12 V	8.3A	100W	0.7A/200-240VAC	≥90%	209x35x20mm	0,32kg
PPXS12150	12 V	12.5A	150W	0.8A/200-240VAC	≥90%	233x45x23mm	0,39kg
PPXS2430	24 V	1.25A	30W	0.22A/200-240VAC	≥85%	183x35x20mm	0,25kg
PPXS24100	24 V	4.2A	100W	0.7A/200-240VAC	≥90%	209x35x20mm	0,32kg
PPXS24150	24 V	6.25A	150W	0.8A/200-240VAC	≥90%	233x45x23mm	0,39kg



IP68



SPECIFICATIONS 12V SLIM DIMMABLE POWER SUPPLIES

Output Voltage	12V/24V-25°C~+45°C
Working temperature range	200VAC~240VAC
Input Voltage Range	50~60Hz
Input Frequency Range	Over-Current, Short-Circuit, Over Voltage protection
Protective Characteristics	IP67
IP Rating	≥50000hrs. MIL-HDBK-217F(25°C)
MTBF	7 Years
Warranty	0=10 V, PWM, Resistance
Dim Input (0-100%)	

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PPDS12100	4.16A	100W	0.7A/200-240VAC	≥90%	258x35x20mm	0,40kg
PPDS24100	2.08A	100W	0.7A/200-240VAC	≥90%	258x35x20mm	0,40kg

SPECIFICATIONS MANUAL EXTERNAL DIMMING OPTION

Input/Output Voltage	12V – 24V
Working temperature range	0°C~+45°C
Output Current Max Range	8 A
IP Rating	IP20
Warranty	3 Years
Dimming Method (0-100%)	PWM

Code	Output Current	Output Power 12 V	Output Power 24 V
DIM-PS	8 A	96 W	192 W



Important:

- Lucoled recommends loading power supplies up to 90% of their maximum listed capacity.
- Select a power supply for your installation loaded at more than 50% of its maximum load to meet Power Factor regulations.
- Install with adequate ventilation and not in direct sunlight.
- Power supplies to be installed by trained and certified staff.

SPECIFICATIONS RF RGB(W) & DIM CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Dimming method (0-100%)	PWM

Code	Output	Output Current	Output Power 12 V	Output Power 24 V
LTECH-M3/M3-3A	RGB	3x3 A	108 W	216 W
LTECH-M6/M3-3A	RGB	3x3 A	108 W	216 W
LTECH-M4/M4-5A	RGBW	4x5 A	144 W	288 W
LTECH-M8/M4-5A	RGBW	4x5 A	144 W	288 W
LTECH-M1/M3-3A	MONO	3x3 A	108 W	216 W



SPECIFICATIONS DMX RGBW & DIM CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Dimming method (0-100%)	PWM

Code	Output		Input	Output Current	Output Power 12 V	Output Power 24 V
LTECH-EX1S	DMX	Touch Panel	Manual			
LTECH-EX4S	DMX	Touch Panel	Manual			
LTECH-UX8	DMX	Touch Panel 4 Zones	Manual/WIFI/RF			
LTECH-LM-150-12-G1M2	12 V	Power Supply	DMX	12.5 A	150 W	-
LTECH-LM-150-24-G1M2	24 V	Power Supply	DMX	6.25 A	-	150 W
LC-DMX-4CH-WP	RGBW	IP67 Controller	DMX	4x5 A	240W	480W
LC-DMX-4CH	RGBW	Controller	DMX	4x8 A	384W	768W



SPECIFICATIONS WIFI RGBW CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output		Input	Output Current	Output Power 12 V	Output Power 24 V
LTECH-WIFI-101	DMX	Controller	WIFI (APP)			
LTECH-WIFI-104	RGBW	Controller	RF/WIFI	4x4 A	192 W	384 W
LTECH-WIFI-106	RGBW	Controller	RF/WIFI	4x4 A	192 W	384 W
LTECH-F4-5A	RGBW	Receiver	RF (WIFI-106/F1/F4)	4x5 A	240 W	480 W
LTECH-R4-5A	RGBW	Receiver	RF (WIFI-104)	4x5 A	240 W	480 W
LTECH-EBOX-DMX	DMX	Bridge	RF (WIFI-106)			
LTECH-V3	RF	Remote				
LTECH-F1 DIM	RF	Remote				
LTECH-F4 RGBW	RF	Remote				
LTECH-Q4 RGBW	RF	Remote				
LC-RF-4CH-WP	RGBW	IP67 Controller	RF	4x5 A	240 W	480 W
LC-RFWIFI-4CH	CCT/RGBW	IP20 Controller	RF/WIFI	4x5A	240 W	480 W
LC-RF-REMOTE	RF	Remote				
LC-RF-DIMMER	RF	Remote				
LC-RF-CT	RF	Remote				



SPECIFICATIONS 4 IN 1 CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

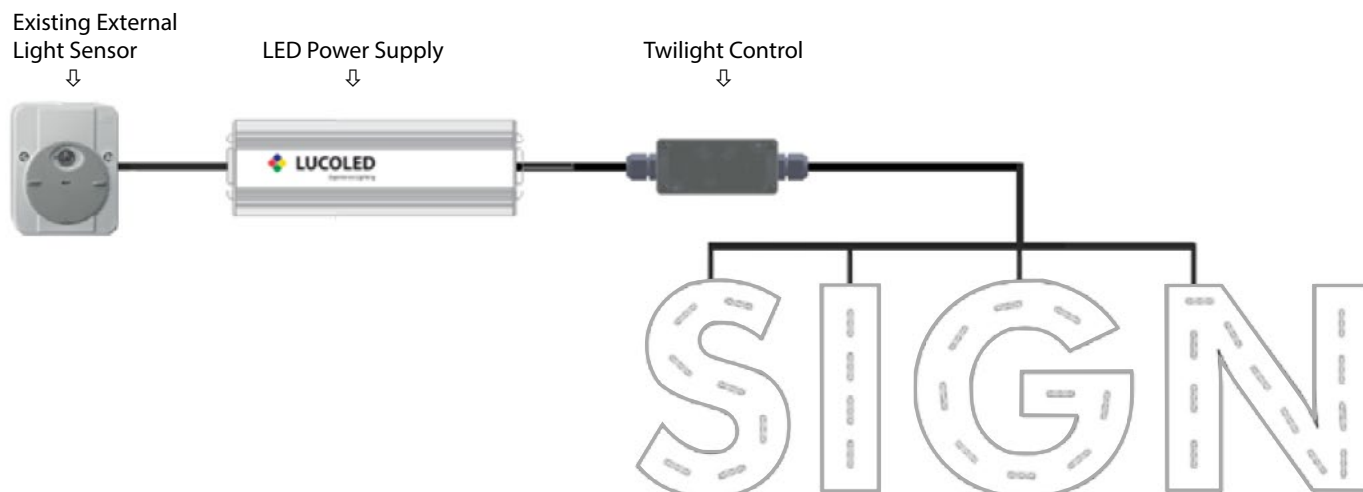
Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V	Output Power 48 V
LC-DIM-4IN1	MONO	4 in 1 Controller	0-10V /DALI-2 / Push / Phase Cut	2x10A (20A)	240 W	480 W	960 W



SPECIFICATIONS TWILIGHT CONTROL OPTIONS

Input/Output Voltage	12V – 48V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output	Output Power 12 V	Output Power 24 - 48 V
LC-TWILIGHT	PWM	120 W	240 W



SPECIFICATIONS 1-10V CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

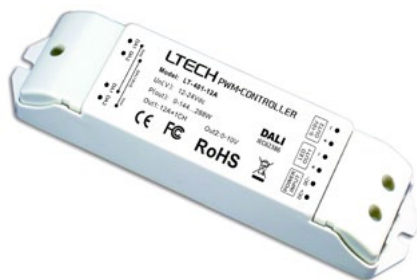
Code	Output		Output Current	Output Power 12 V	Output Power 24 V
LTECH-E610	1-10 V	Knob Panel	-	-	-
LTECH-LM-75-12-G1A2	12 V	Power Supply	6.25 A	75 W	-
LTECH-LM-150-12-G1A2	12 V	Power Supply	12.5 A	150	-



SPECIFICATIONS DALI CONTROL OPTIONS

Input/Output Voltage	12V – 24V
Working temperature range	-30°C~+55°C
IP Rating	IP20
Warranty	5 Years
Diming method (0-100%)	PWM

Code	Output		Input	Output Current	OutputPower 12 V	Output Power 24 V
LTECH-LM-150-24-G1D2	24 V	Power Supply	DALI	12.5 A	-	150 W
LTECH-LM-75-12-G1D2	12 V	Power Supply	DALI	6.25 A	75 W	-
LTECH-LM-75-24-G1D2	24 V	Power Supply	DALi	6.25 A	-	75 W



EPREL ENERGY LABELLING

Article-Nr.	CCT (K)	CRI	Power (W/Mod)	Flux (lm/Mod)	Efficacy (lm/W)	Energy efficiency class
XR10-W65	6500	>80	0.36	60	167	C
XR20-W70	7000	>74	0.35	65	186	B
XR24-W30	3000	>74	0.72	133	184	B
XR24-W40	4000	>74	0.73	144	197	B
XR24-W50	5000	>74	0.71	137	193	B
XR24-W70	7000	>74	0.67	126	188	B
XR28-W70	7000	>74	1.02	187	183	C
VR23-W70	7000	>80	0.72	115	160	C
VR33-W70	7000	>80	1.0	160	160	C
BL72-W65	6500	>70	7.0	1035	148	D
BLI20-W65	6500	>70	0.86	101	118	E
BLI20-W40	4000	>70	0.86	101	118	D
BLI20-W30	3000	>70	0.86	101	118	D
BLI60-W65	6500	>70	2.6	312	120	E
BLI60-W40	4000	>70	2.6	312	120	D
BLI60-W30	3000	>70	2.6	312	120	D
BLI140-W65	6500	>70	6	720	120	C
EL10-W30	3000	>70	1.6	160	100	F
EL10-W65	6500	>70	1.6	160	100	F
EL31-W30	3000	>70	2.88	327	114	E
EL31-W40	4000	>70	2.88	327	114	E
EL31-W65	6500	>70	2.88	327	114	E
EL37-W65	6500	>75	5.9	740	125	E
EL37-W40	4000	>75	5.9	740	125	E



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