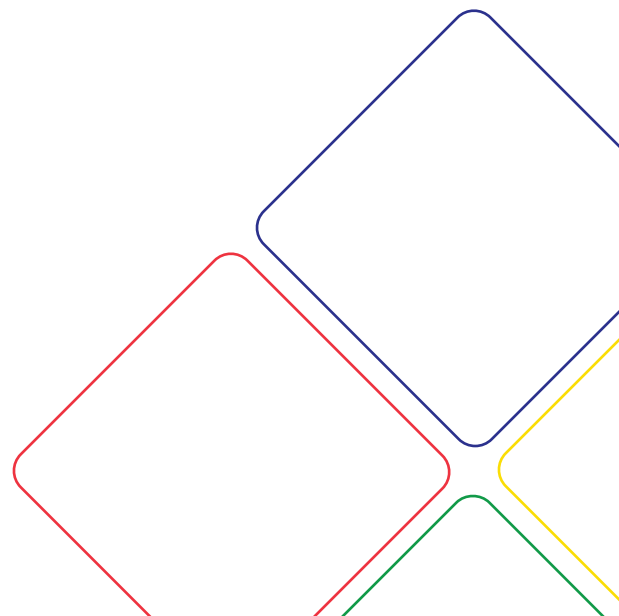


LUCOLED

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, efficient, lighting solutions for visual communication and brand identity.

EXPERIENCE

LucoLED is based on over 20 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 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 supplies. LucoLED offers a system warranty of up to 7 years and extended warranties of up to 2 years as we believe in our products.

Although LucoLED is a new name in the market, the management behind the company has a proven track record of quality and reliability.

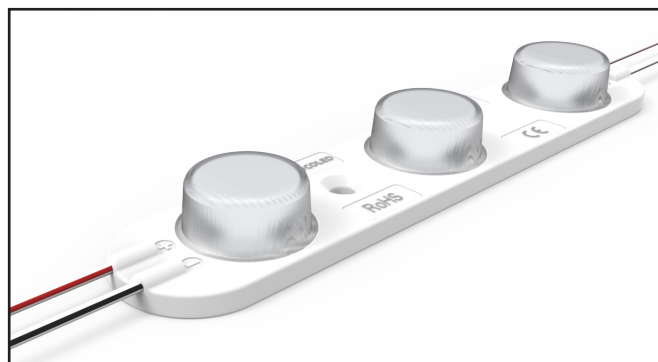


EDGE LIGHTING



EL10

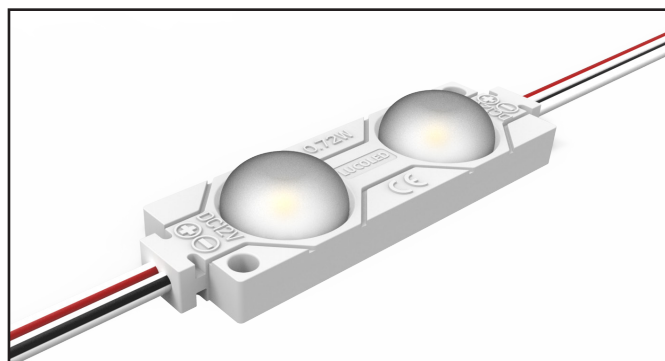
PAGE 6



EL30

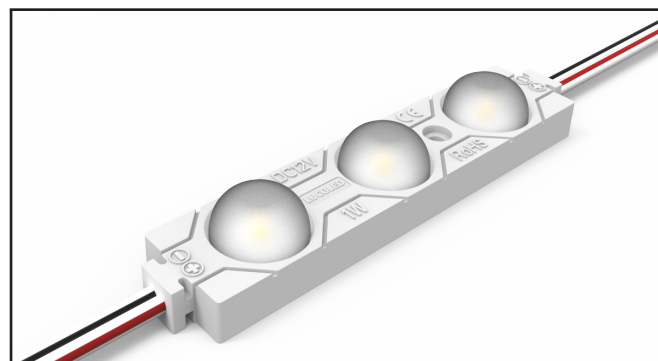
PAGE 7

BACK LIGHTING ECONOMY



EC20

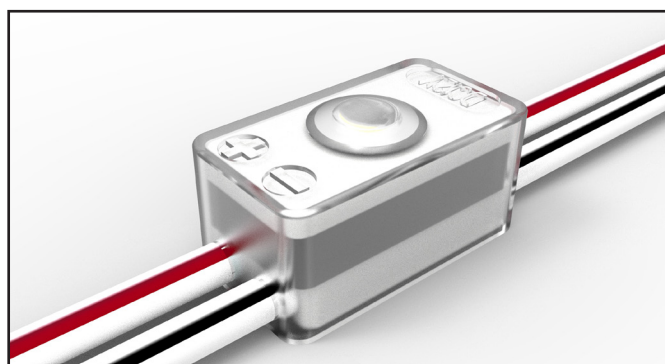
PAGE 8



EC30

PAGE 9

BACK LIGHTING SPECIALS



BL10

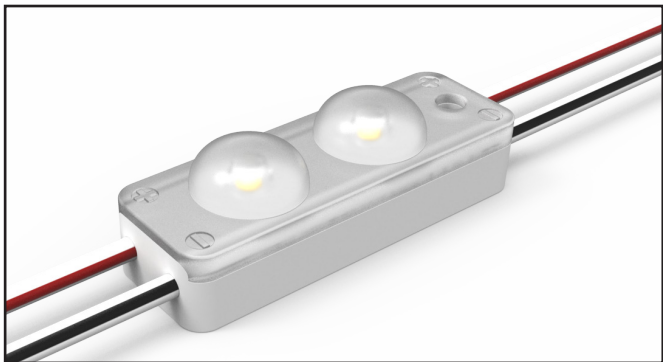
PAGE 10



BL30

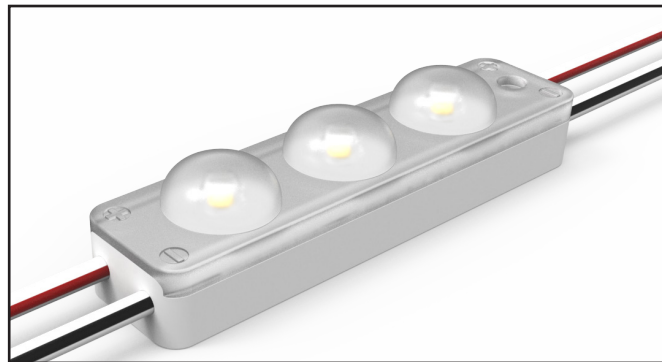
PAGE 11

BACK LIGHTING PREMIUM



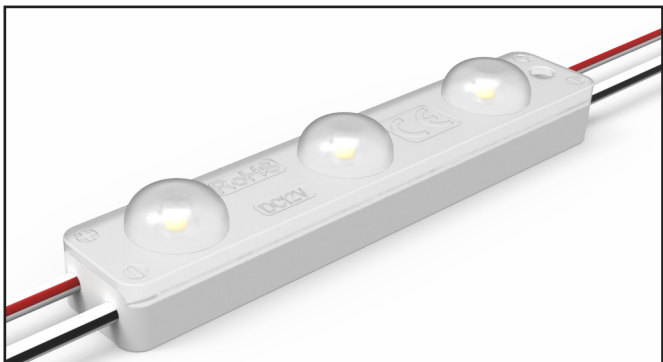
PS20

PAGE 12



PM30

PAGE 13



PL30

PAGE 14

POWER SOURCES



PP

PAGE 15

LUCOLED EL10

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

UL

CE

RoHS

1
LEDS

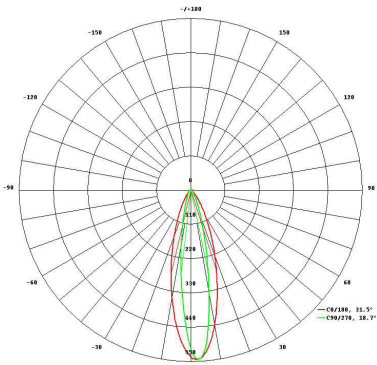
Injection
Molding
Device

DC
12V

IP
65

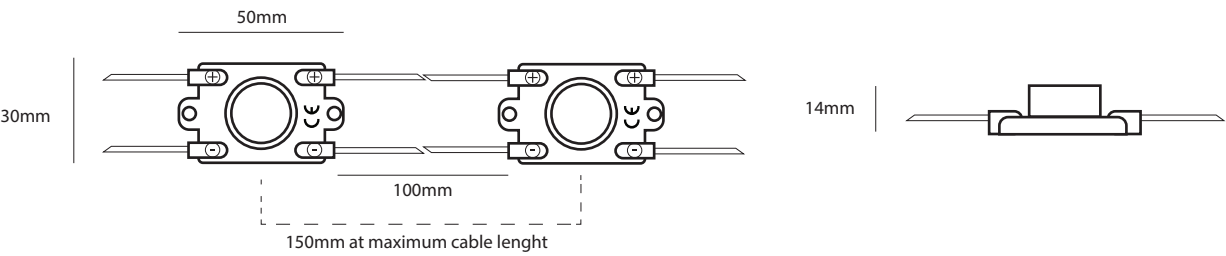
5
Years

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
EL10-W65	white	6500	>70	1.6	160	100	12	25	600

DIMENSIONS



POWER SUPPLY CAPACITY 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
EL10 modules / power supply	16	33	56	84	112
Number of chains (maximum 25 modules per chain)	1	2	3	4	5

PACKAGING

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

LUCOLED EL30

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

UL

CE

RoHS

3
LEDS

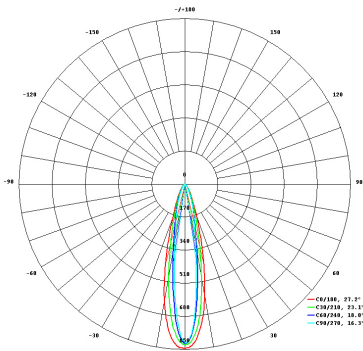
Injection
Molding
Device

DC
12V

IP
65

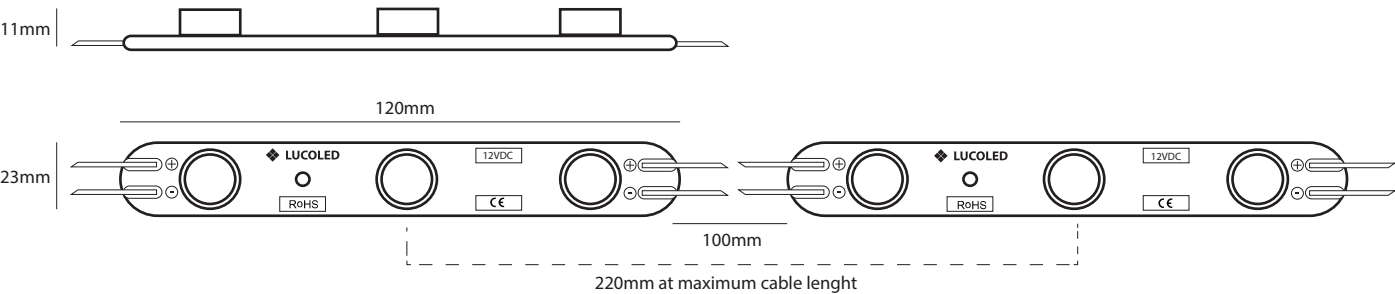
5
Years

LUMINOUS INTENSITY DISTRIBUTION



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Models per carton
EL30-W65	white	6500	>70	2.88	327	114	12	20	480

DIMENSIONS



POWER SUPPLY CAPACITY 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
EL30 modules / power supply	9	18	31	46	62
Number of chains (maximum 20 modules per chain)	1	1	2	3	4

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
EL30	60	8	480	14,5	528 x 376 x 272

LUCOLED EC20

SPECIFICATIONS

- Dimensions 43x14,5x7,8mm
- 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~+60C

UL

CE

RoHS

2
LEDS

Injection
Molding
Device

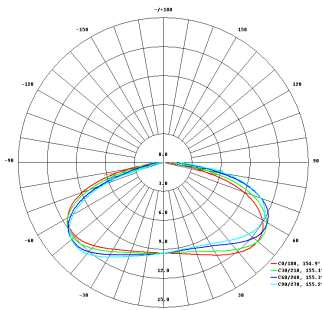
DC
12V

IP
65

5
Years

Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
EC20-W65	white	6500	>75	0.72	70	97	12	50	2000

LUMINOUS INTENSITY DISTRIBUTION



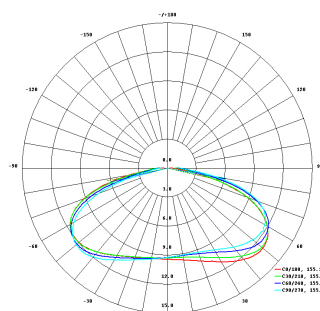
LUCOLED EC30

SPECIFICATIONS

- Dimensions 65x14,5x7,8mm
- 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~+60C

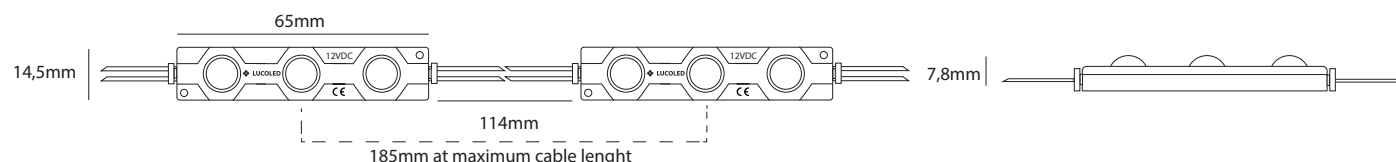


LUMINOUS INTENSITY DISTRIBUTION



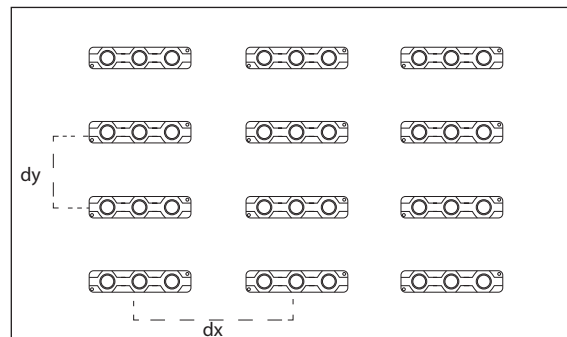
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
EC30-W65	white	6500	>75	1.00	100	100	12	50	1400

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)	Surface luminance range (cd/m ²)
dz=60	dx=80, dy=60	208	3850-4400
dz=120	dx=140, dy=120	60	1200-1350
dz=180	dx=180, dy=180	31	600-750

Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Lucoled 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 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
EC30 modules / power supply	27	54	90	135	180
Number of chains (maximum 50 modules per chain)	1	2	2	3	4

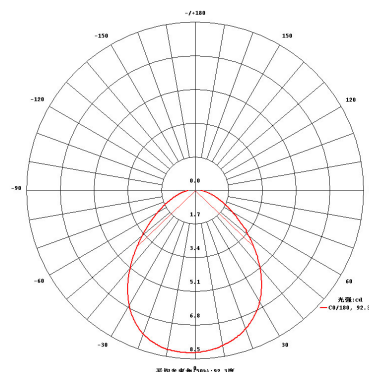
PACKAGING

Item	Qty (pcs / bag)	Qty (bags / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
EC30	100	14	1400	17,5	528 x 376 x 272

LUCOLED BL10

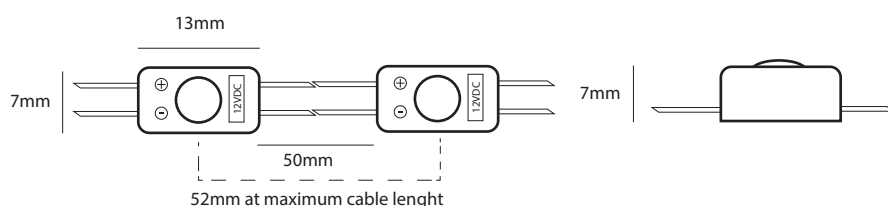
SPECIFICATIONS

- 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~+60°C



Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
BL10-W65	white	6500	>70	0.24	24	100	12	50	6000

DIMENSIONS



POWER SUPPLY CAPACITY 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
BL10 modules / power supply	112	225	375	562	750
Number of chains (maximum 50 modules per chain)	3	4	8	12	15

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
BL10	300	20	6000	7.2	264 x 376 x 272

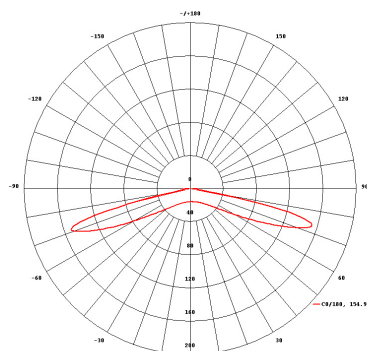
LUCOLED BL30

SPECIFICATIONS

- Dimensions 169x32x10mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 170°
- Can be cut between every unit
- UL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C

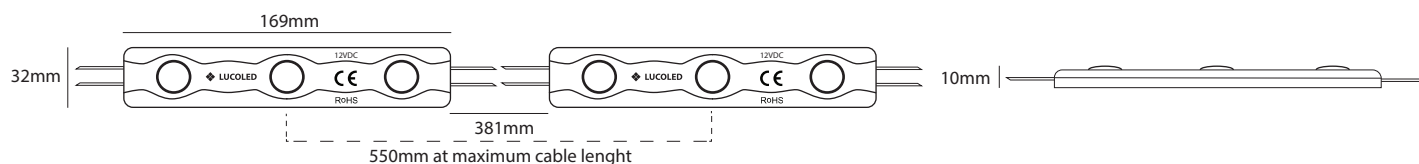


LUMINOUS INTENSITY DISTRIBUTION



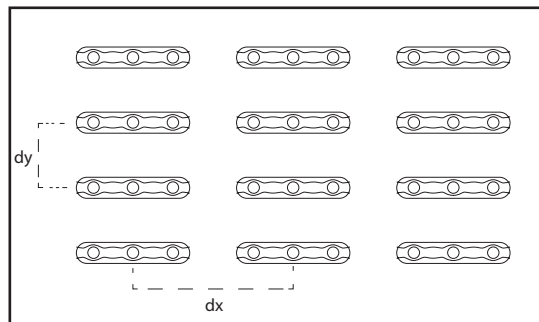
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
BL30-W65	white	6500	>70	3.6	350	97	12	15	300

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m ²)	Surface luminance range (cd/m ²)
dz=100	dx=300, dy=250	13	900-1100
dz=150	dx=300, dy=500	7	400-450
dz=200	dx=300, dy=700	5	250-300
dz=250	dx=350, dy=900	3	160-180
dz=300	dx=350, dy=1100	3	160-180

Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Lucoled 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 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
BL30 modules / power supply	7	14	24	36	48
Number of chains (maximum 15 modules per chain)	1	1	2	3	4

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
BL30	30	10	300	19	528 x 376 x 272

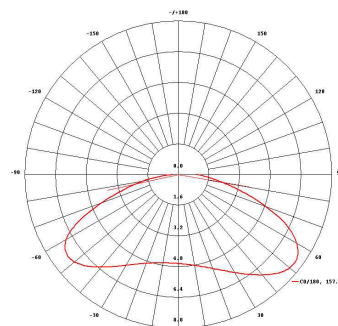
LUCOLED PS20

SPECIFICATIONS

- Dimensions 33x11x10mm
- Warranty 7 years (first 2 years extended)
- Beam angle: 160°
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C

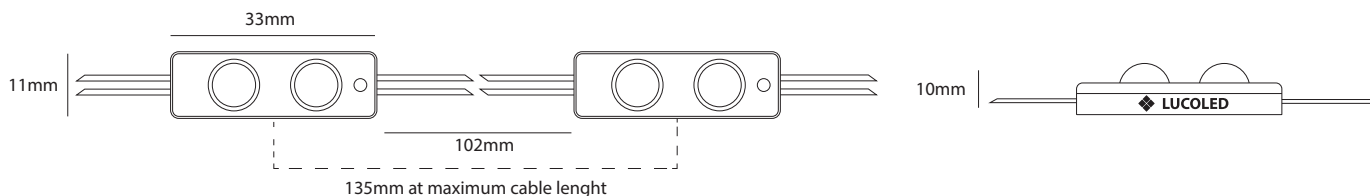


LUMINOUS INTENSITY DISTRIBUTION



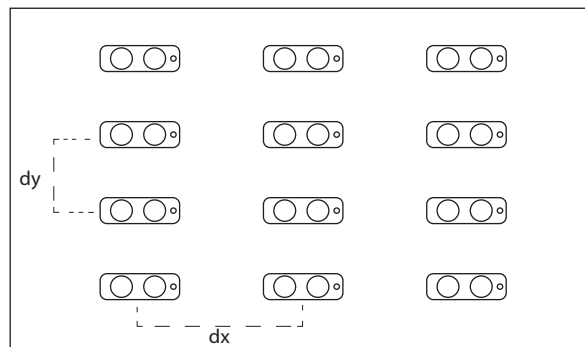
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
PS20-W65	white	6500	>80	0.34	41	120	12	100	1600

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m ²)	Surface luminance range (cd/m ²)
dz=40	dx=70, dy=50	286	2890-3155
dz=60	dx=90, dy=70	159	1125-1445
dz=80	dx=110, dy=90	101	660-920
dz=100	dx=130, dy=120	64	410-565

Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Luceled 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 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
PS20 modules / power supply	79	158	264	397	529
Number of chains (maximum 100 modules per chain)	1	2	3	4	6

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
PS20	100	16	1600	11,0	528 x 376 x 272

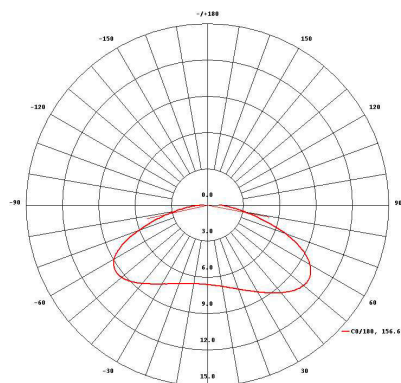
LUCOLED PM30

SPECIFICATIONS

- Dimensions 45x11x10mm
- Warranty 7 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

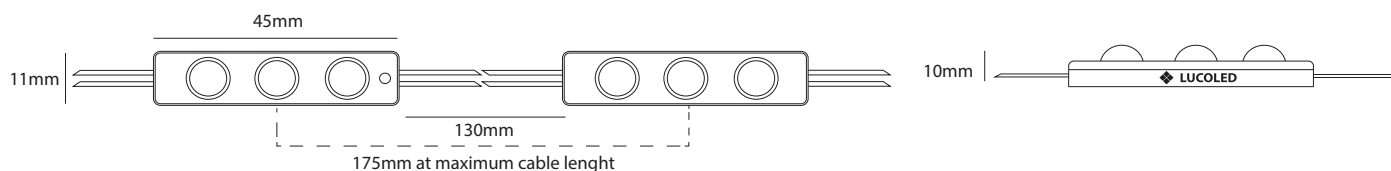


LUMINOUS INTENSITY DISTRIBUTION



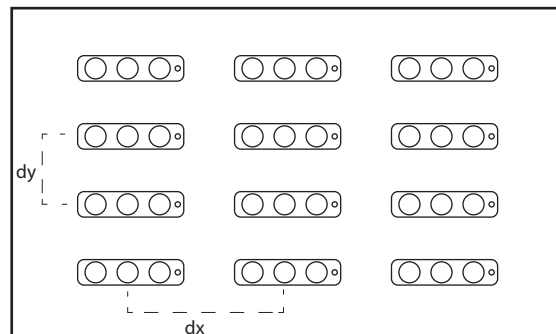
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
PM30-W65	white	6500	>80	0.48	55	114	12	50	1200

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)	Surface luminance range (cd/m²)
dz=60	dx=90, dy=90	123	1370-1525
dz=80	dx=120, dy=120	69	800-945
dz=100	dx=150, dy=150	44	480-620
dz=120	dx=175, dy=175	31	390-480

Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Lucoled 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 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
PM30 modules / power supply	56	112	187	281	375
Number of chains (maximum 50 modules per chain)	2	3	4	6	8

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
PM30	100	12	1200	12,0	528 x 376 x 272

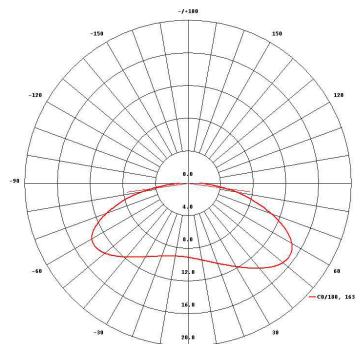
LUCOLED PL30

SPECIFICATIONS

- Dimensions 61x11x10mm
- Warranty 7 years (first 2 years extended)
- Beam angle: 160°
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60C

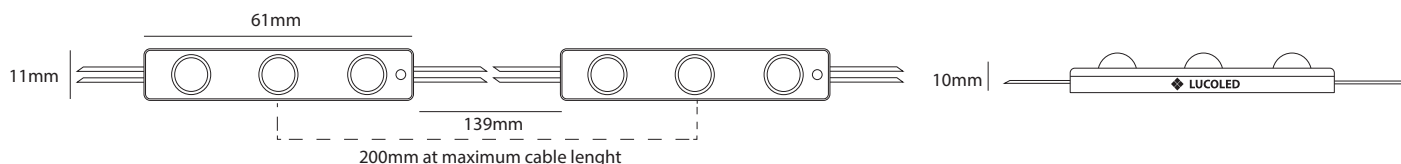


LUMINOUS INTENSITY DISTRIBUTION



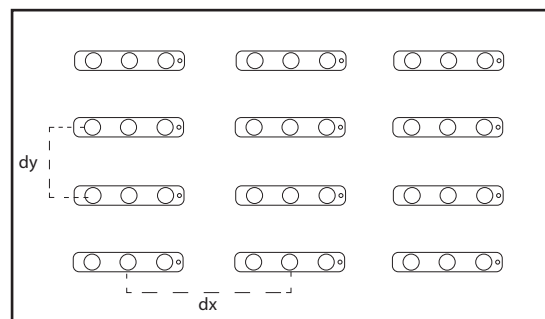
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
PL30-W65	white	6500	>80	0.72	85	118	12	50	1200

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)	Surfacelluminance range (cd/m²)
dz=80	dx=140, dy=120	60	1140-1425
dz=100	dx=180, dy=160	35	745-915
dz=120	dx=200, dy=200	25	510-650
dz=150	dx=200, dy=200	25	465-575
dz=180	dx=200, dy=200	25	450-515

Results may vary depending on face material properties. The data above was obtained using 3mm thick opaque acrylic with a 54% light transmittance. Lucoled 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 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
PL30 modules / power supply	37	75	125	187	250
Number of chains (maximum 50 modules per chain)	1	2	3	4	5

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
PL30	100	12	1200	13,0	528 x 376 x 272

LUCOLED POWER SOURCES

SPECIFICATIONS 12V POWER SUPPLIES

Output Voltage	12V
Working temperature range	-40°C~+65°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	≥70000hrs. MIL-HDBK-217F(25°C)

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PP1230	2.5A	30W	0.35A/115V - 0.19A/230V	≥83%	187x41x29mm	0,5kg
PP1260	5A	60W	0.65A/115V - 0.35A/230V	≥86%	184x44x34mm	0,52kg
PP12100	8.33A	100W	1.1A/115V - 0.55A/230V	≥90%	204x67x35mm	0,88kg
PP12150	12.5A	150W	1.6A/115V - 0.8A/230V	≥92%	234x68x35mm	1kg
PP12200	16A	200W	2.8A max	≥88%	295x60x36mm	1,1kg

SPECIFICATIONS 24V POWER SUPPLIES

Output Voltage	24V
Working temperature range	-40°C~+65°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	≥70000hrs. MIL-HDBK-217F(25°C)

Code	Output Current	Output Power	Input Current	Efficiency	Size (l x w x h)	Weight
PP2430	1.25A	30W	0.35A/115V - 0.19A/230V	≥84%	187x41x29mm	0,5kg
PP2460	2.5A	60W	0.65A/115V - 0.35A/230V	≥87%	157x44x34mm	0,52kg
PP24100	4.16A	100W	1.1A/115V - 0.55A/230V	≥92%	204x67x35mm	0,88kg
PP24150	6.25A	150W	1.6A/115V - 0.8A/230V	≥93%	234x68x35mm	1kg
PP24200	8.34A	200W	2.8A max	≥90%	295x60x36mm	1,1kg



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.



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LUCOLED

Experience Lighting