



LUCOLED PS31



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

Lucoled Premium PS31 modules offer a high quality and efficient backlit solution for lightboxes and channel letters between 60 and 120mm deep.

Using the latest Top-Tier LED technology and high quality optics Lucoled Premium 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.

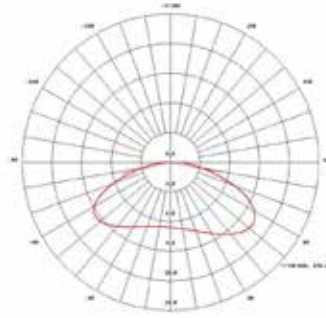
Lucoled Premium series offers a 2 years extended warranty, making it the optimum choice for your high valued projects and critical installations. Your warranty exposure is reduced to a minimum.

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

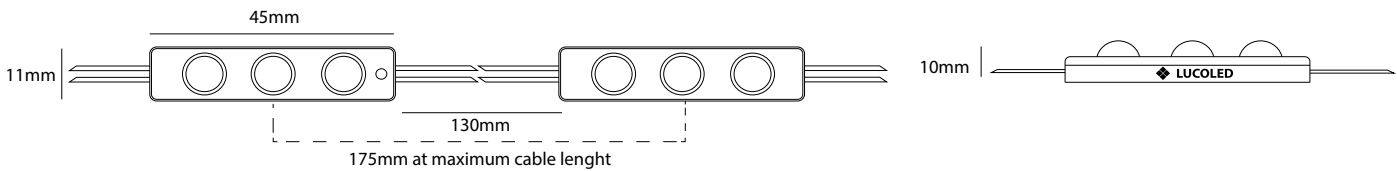


LUMINOUS INTENSITY DISTRIBUTION

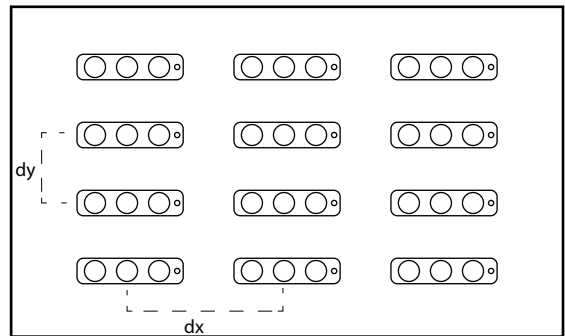


Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
PS31-W30	white	3000	>80	0.31	31	100	12	50	1200
PS31-W65	white	6500	>80	0.28	31	111	12	50	1200
PS31-R	red	n.a.	n.a.	0.50	18	36	12	50	1200
PS31-B	blue	n.a.	n.a.	0.48	11	23	12	50	1200

DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m ²)
dz=50	dx=140, dy=95	70
dz=75	dx=150, dy=150	36
dz=100	dx=150, dy=200	24
dz=125	dx=150, dy=150	36



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
PS31 modules / power supply	96	193	321	482	642
Number of chains (maximum 50 modules per chain)	2	4	6	9	12

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kgs)	Carton size (LxWxH) in mm
PS31	100	12	1200	12,0	528 x 376 x 272