

Cartier

LUCOLED PV20/PV24



- *5 years warranty*
First 2 years extended warranty
- *Lucolense prismatic angle technology*
- *Highest efficacy*
- *Constant Current Technology*
- *Narrow white binning*

Lucoled Premium Value PV20 and PV24 modules offer a high quality and efficient backlit solution for lightboxes and channel letters between 60 and 100mm deep.

Using the latest high efficient LED technology and high quality optics Lucoled Premium Value 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.

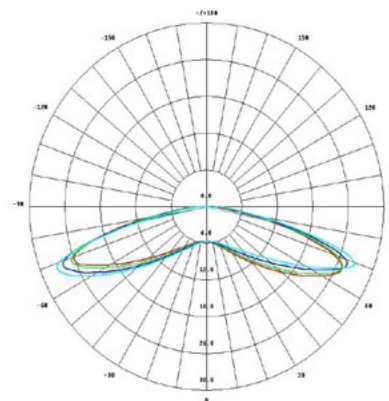
Lucoled Premium Value series offers a 2 years extended warranty, making it the optimum choice for your high valued projects and critical installations. Your warranty exposure is reduced to a minimum.

SPECIFICATIONS

- Dimensions 57x16x7.5mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 170°
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60°C

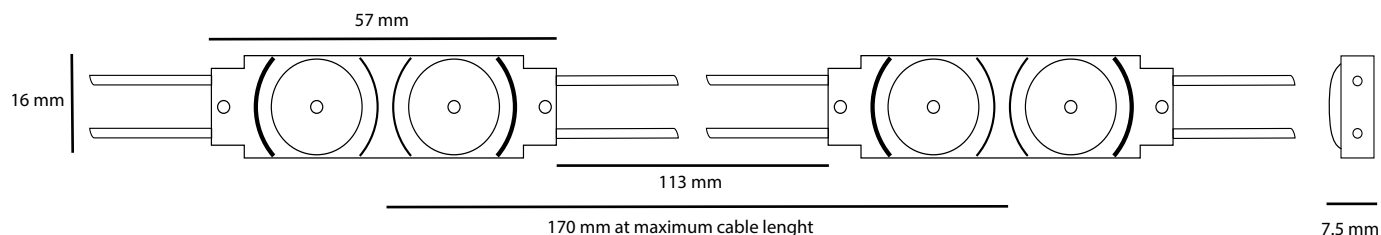


LUMINOUS INTENSITY DISTRIBUTION

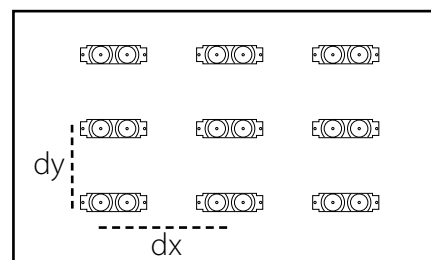


Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
PV20-W30	white	3000	>75	0.71	99	139	12	40	1200
PV20-W40	white	4000	>75	0.72	114	158	12	40	1200
PV20-W50	white	5000	>75	0.72	113	157	12	40	1200
PV20-W65	white	6500	>75	0.70	113	161	12	40	1200
PV20-W71	white	7100	>75	0.74	110	148	12	40	1200
PV20-R	red	600-625nm		0.72	22	31	12	40	1200
PV24-W65	white	6500	>75	0.71	110	155	24	40	1200

DIMENSIONS



Light box depth (mm)	Module	Space between modules (mm)	Installing density (pcs/m²)	Lumen per m² (Lm) based on 6500K
dz=60	PV20	dx=130, dy=100	72	8136
dz=80	PV20	dx=150, dy=150	43	4859
dz=100	PV20	dx=170, dy=160	36	4068
dz=120	PV20	dx=170, dy=170	25	2825



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	xx1230	xx1260	xx12100	xx12150	VP12240	VP12400
Power Output	30W	60W	100W	150W	240W	400W
PV20 modules / power supply	38	75	125	188	309	514
Maximum 40 modules per chain						

POWER SUPPLY CAPACITY 24V SERIES

Item	xx2430	xx2460	xx24100	xx24150	VP24240	VP24400
Power Output	30W	60W	100W	150W	240W	400W
PV24 modules / power supply	38	75	125	188	309	514
Maximum 80 modules per chain						

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
PV20/PV24	40	30	1200	15.2	528 x 376 x 272