

# 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.

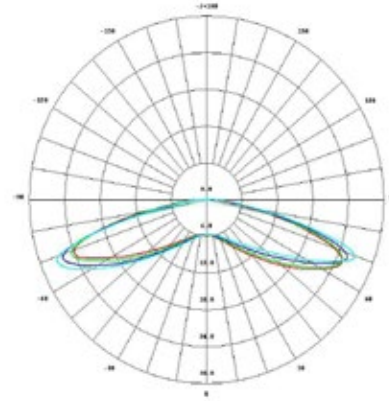
Using the latest high efficient LED technology and high quality optics Lucoled Premium Value series offers industry leading efficacy and coverage. This not only reduces the amount of modules needed for an application, but also the overall power consumption, reducing the total cost of ownership of a project.

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

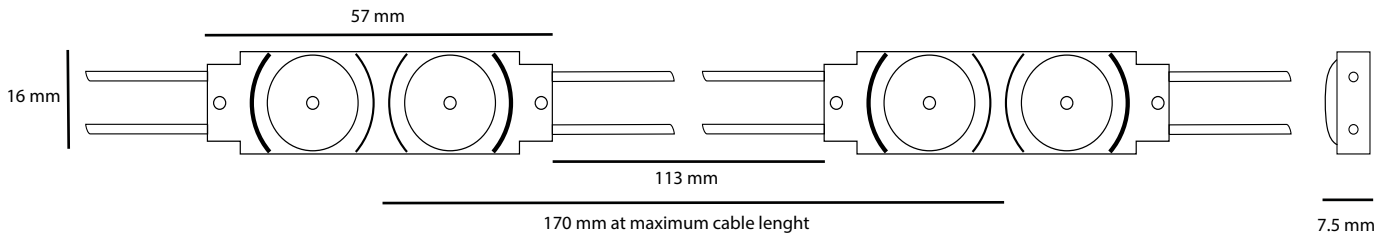
- Dimensions 57x16x7.5mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 170°
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
- Constant Current Technology
- Operating temperature -25~+60°C

## LUMINOUS INTENSITY DISTRIBUTION



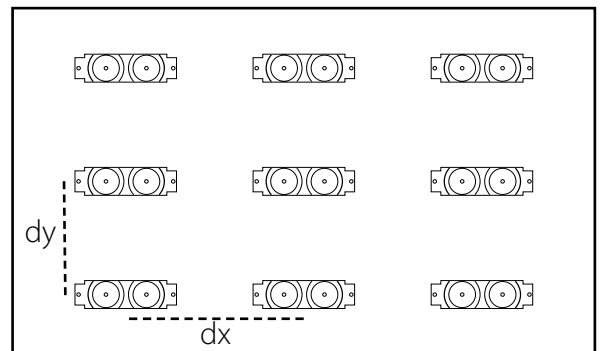
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
PV20-W30	white	3000	>75	0.71	99	139	12	40	1200
PV20-W40	white	4000	>75	0.72	114	158	12	40	1200
PV20-W50	white	5000	>75	0.72	113	157	12	40	1200
PV20-W65	white	6500	>75	0.70	113	161	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	<b>24</b>	40	1200

## DIMENSIONS



Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m <sup>2</sup> )	Surface luminance range (cd/m <sup>2</sup> )
dz=60	dx=130, dy=100	72	2130-2450
dz=80	dx=150, dy=150	43	1200-1560
dz=100	dx=170, dy=160	36	990-1140
dz=120	dx=170, dy=170	25	880-990

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
PV20 modules / power supply	38	75	125	188	250
<b>Maximum 40 modules per chain</b>					

## POWER SUPPLY CAPACITY 24V SERIES

Item	PP2430	PP2460	PP24100	PP24150	PP24200
Power Output	30W	60W	100W	150W	200W
PV24 modules / power supply	38	75	125	188	250
<b>Maximum 80 modules per chain</b>					

## 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