LUCOLED PV10

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

Lucoled Premium Value PV10 modules offer a high quality and efficient backlit solution for lightboxes and channel letters between 40 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 41x16x7.5mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 170⁰
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
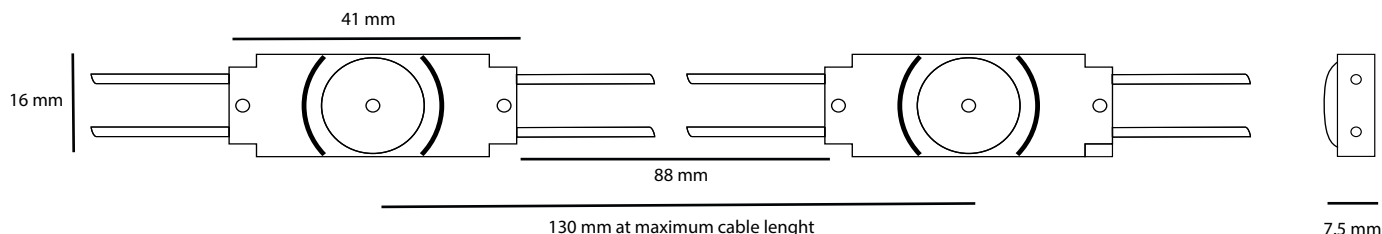- Constant Current Technology
- Operating temperature -25~+60⁰C

LUMINOUS INTENSITY DISTRIBUTION

UL	CE	RoHS	1 LED	Injection Molding Device	DC 12V	IP 66	5 Years
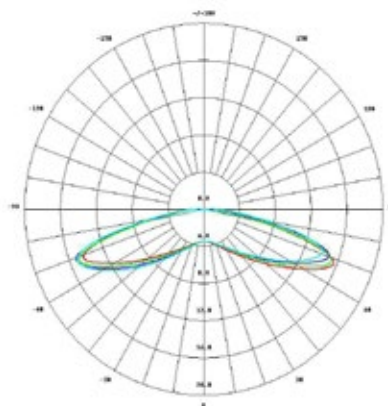
Item no	LED colour	CT (K)	CRI	Power (W/mod)	Flux (lm/mod)	Efficacy (lm/W)	Voltage (DC)	Modules per chain	Modules per carton
PV10-W65	white	6500	>75	0.29	48	165	12	50	1800

DIMENSIONS

16 mm   41 mm   88 mm   130 mm at maximum cable lenght   7.5 mm

Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)	Surface luminance range (cd/m²)
dz=60	dx=90, dy=90	100	1580-1740
dz=80	dx=120, dy=120	64	895-1160
dz=100	dx=130, dy=130	49	740-840
dz=120	dx=130, dy=140	49	580-680

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.
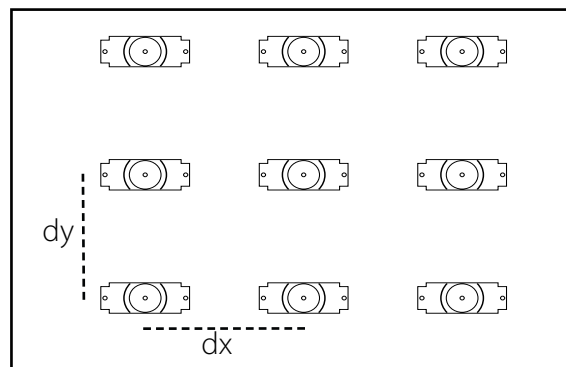
POWER SUPPLY CAPACITY 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
PV10 modules / power supply	93	186	310	465	620
Number of chains (maximum 50 modules per chain)	1	3	5	9	12

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
PV10	50	36	1800	15,9	528 x 376 x 272

LUCOLED PV20

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

Lucoled Premium Value PV20 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: 170⁰
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
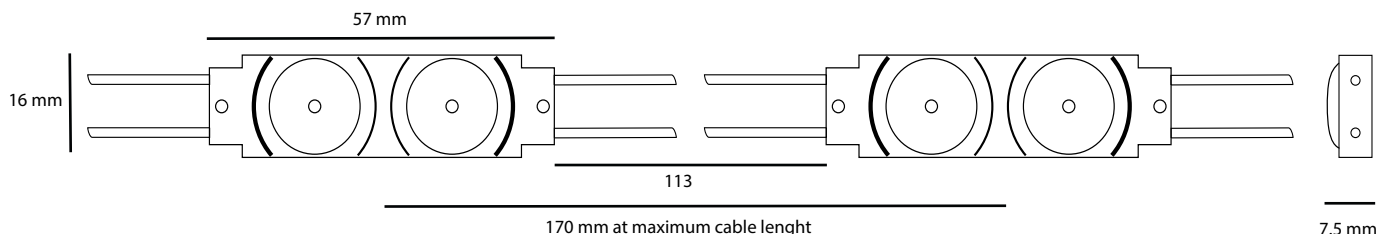- Constant Current Technology
- Operating temperature -25~+60⁰C

LUMINOUS INTENSITY DISTRIBUTION

UL	CE	RoHS	2 LED	Injection Molding Device	DC 12V	IP 66	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
PV20-W65	white	6500	>75	0.70	113	161	12	40	1200
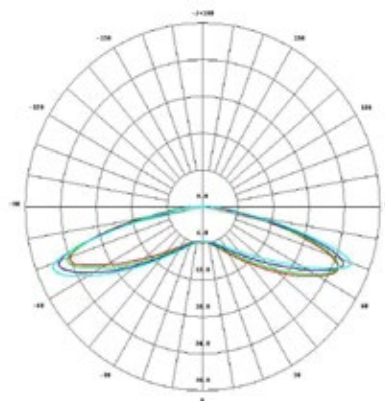
DIMENSIONS

57 mm

16 mm

113

170 mm at maximum cable lenght

7.5 mm

Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)	Surface luminance range (cd/m²)
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.

dy

dx
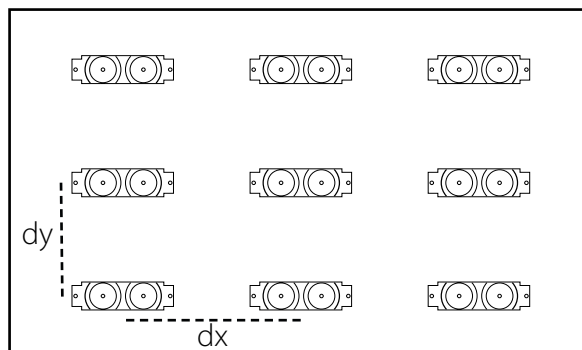
POWER SUPPLY CAPACITY 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
PV20 modules / power supply	38	75	125	188	250
Number of chains (maximum 40 modules per chain)	1	1	3	4	6

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
PV20	40	30	1200	14.5	528 x 376 x 272

LUCOLED PV30

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

Lucoled Premium Value PV30 modules offer a high quality and efficient backlit solution for lightboxes and channel letters between 80 and 120mm 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 79x16x7.5mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 170⁰
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
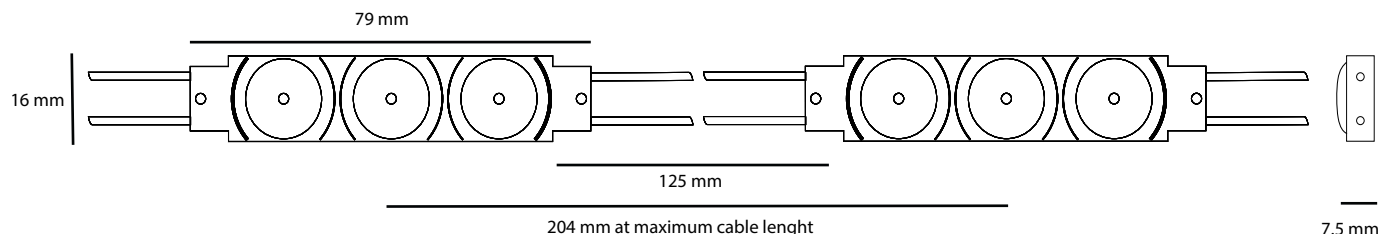- Constant Current Technology
- Operating temperature -25~+60⁰C

LUMINOUS INTENSITY DISTRIBUTION

UL	CE	RoHS	3 LED	Injection Molding Device	DC 12V	IP 66	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
PV30-W65	white	6500	>75	1.0	160	160	12	30	900
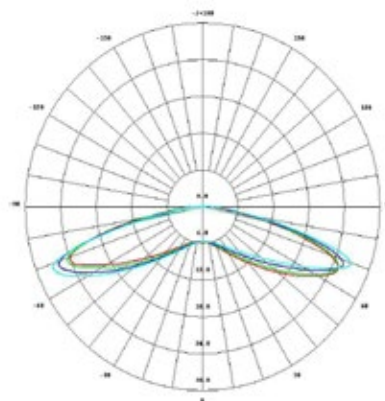
DIMENSIONS

79 mm

16 mm

125 mm

204 mm at maximum cable lenght

7.5 mm

Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)	Surface luminance range (cd/m²)
dz=80	dx=160, dy=140	42	1920-2340
dz=100	dx=190, dy=160	28	1450-1560
dz=120	dx=200, dy=170	23	1140-1350

dy

dx

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.
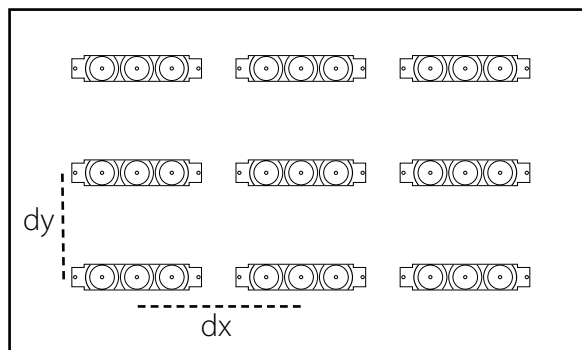
POWER SUPPLY CAPACITY 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
PV30 modules / power supply	27	54	90	135	180
Number of chains (maximum 30 modules per chain)	1	1	2	3	6

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
PV30	30	30	900	15.5	528 x 376 x 272

LUCOLED PV40

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

Lucoled Premium Value PV40 modules offer a high quality and efficient backlit solution for lightboxes and channel letters between 80 and 140mm 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 49x39x7.5mm
- Warranty 5 years (first 2 years extended)
- Beam angle: 170º
- Can be cut between every unit
- EL, CE and RoHS compliant
- Narrow white binning
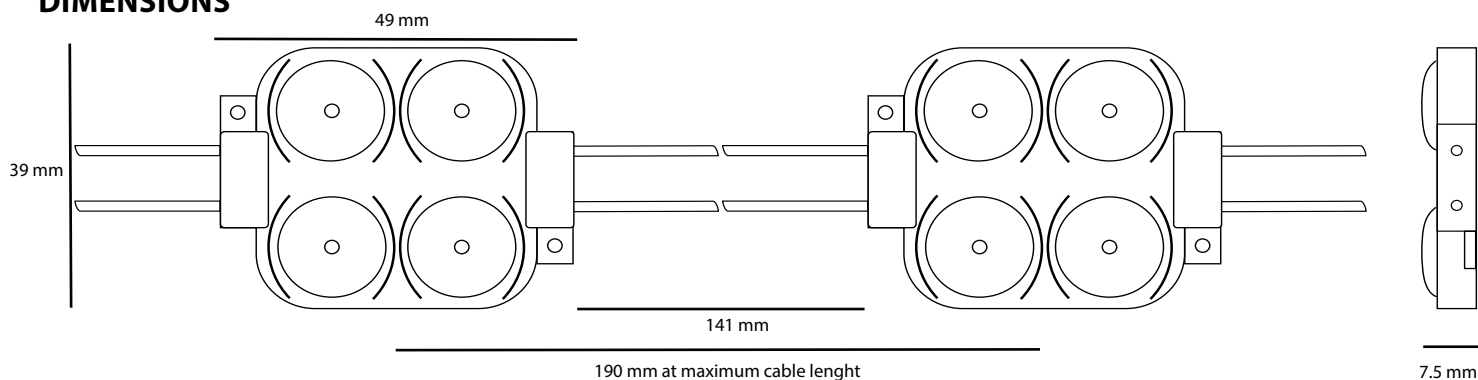- Constant Current Technology
- Operating temperature -25~+60ºC

LUMINOUS INTENSITY DISTRIBUTION

UL	CE	RoHS	**4** LED	Injection Molding Device	**DC 12V**	**IP 66**	**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
PV40-W65	white	6500	>75	1.49	243	163	12	30	780
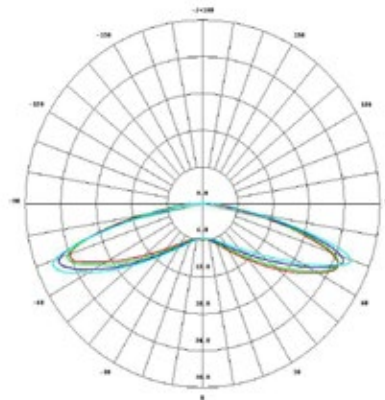
DIMENSIONS

49 mm

39 mm

141 mm

190 mm at maximum cable lenght

7.5 mm

Light box depth (mm)	Space between modules (mm)	Installing density (pcs/m2)	Surface luminance range (cd/m²)
dz=80	dx=160, dy=140	42	2700-3380
dz=100	dx=190, dy=160	28	2230-2600
dz=120	dx=190, dy=190	25	1660-2080

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.
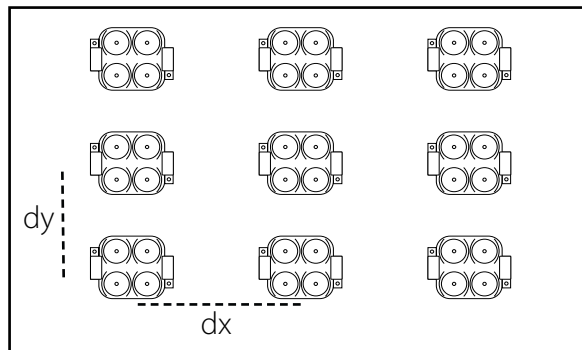
POWER SUPPLY CAPACITY 12V SERIES

Item	PP1230	PP1260	PP12100	PP12150	PP12200
Power Output	30W	60W	100W	150W	200W
PV40 modules / power supply	18	38	63	94	125
Number of chains (maximum 30 modules per chain)		1	2	3	4

PACKAGING

Item	Qty (pcs/bag)	Qty (bag / carton)	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
PV40	30	26	780	16.2	528 x 376 x 272