

CANOPY LIGHTS

CP1 Spectral Enhanced Series



KEY PRODUCT BENEFITS

- CRI 91 & Saturated Red R9 > 50
- S/P ratio up to 2.1 (5700K CCT)
- 12,090 Photopic Lumen (5700K)
- Equivalent Visual Efficiency (EVE)* 21,885 EVE Lumen
- IP66 weatherproof protection



KEY FINANCIAL BENEFITS

- ROI is less than 1 year for 24/7 applications
- Leasing program where you can get free product in exchange for sharing your savings.
- Lower net expenses



ENVIRONMENTAL SENSIBILITY

- Energy savings over 80%
- Contains no hazardous substances
- Ultraviolet Free
- No mercury and lead free

■ INNOVATION

We are an innovation company first, and a lighting company second. Since 2005, we have been perfecting LED technology, manufacturing, and successfully installing our products worldwide, first as Lemnis Lighting and now as Ellipz Lighting.

■ ELLIPZ LUMINAIRES

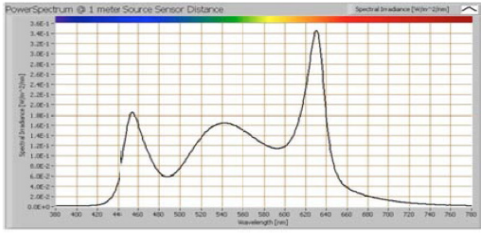
We combine knowledge of visual perception with the newest LED and lighting technologies. The light sources in Ellipz luminaires are red and single-phosphor cyan LEDs. With this proprietary concept, an optimal light spectrum is developed so that excellent vision is obtained with little energy. The basic principle is that a higher S/P ratio for maximum energy savings results in lighting with high Equivalent Visual Efficiency (EVE).

■ BETTER VISIBILITY WITH LESS ENERGY

Ellipz Lighting has developed a pioneering concept in LED lighting for the illumination of parking areas, outdoor areas and public spaces. Based on our patented technology we create light that perfectly matches the sensitivity of the human eye for optimal functioning while indoor and during nighttime conditions.

PRODUCT SPECS | CP1 Spectral Enhanced Series

Spectral Power Distribution

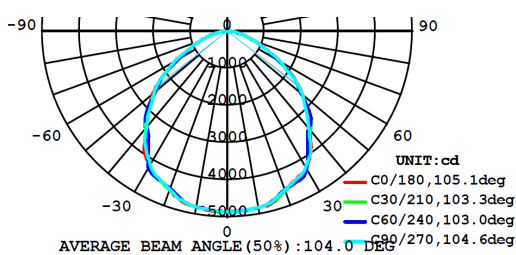


CP1 | 120W
 C0170/40AC0 (4000K)
 C0170/50AC0 (5000K)
 C0170/70AC0 (5700K)

Electrical Specs	
Operating Voltage (V/AC) Rated	90 – 305
Voltage (V/AC)	110/230/277
Rated Current (A)	1.20/0.59/0.49
Rated Power (W)	120
System Power Nominal (W)	130
Frequency (Hz)	50/60
Power Factor	0.98/0.95/0.93
Optical Specs	
CCT (K)	4000/5000/5700
Photopic Lumen (lm) @ 5700K	12,090
CRI (Color Rendering Index, typical)	91
Photopic Efficacy (lm/W)	93
Beam Angle(°)	104
S/P Ratio	1.9/2.0/2.1
EVE(lumen) @ 5700K*	21,885
Dimmable**	No
Others	
Operating Temperature [°C]	-40°C~+45°C
Storage Temperature [°C]	-40°C~+80°C
Operating Humidity [%]	20 ~ 95% RH
Life Span (h) L85B15	50,000
Dimension L x W x H [mm]	400 x 400 x 186
Weight [kg]	7.4
Weatherproof protection	IP66
Certification	CE

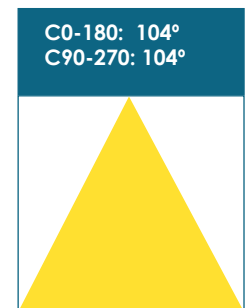
* Equivalent Visual Efficiency (EVE) is based on IES TM 24-13 recommendation which is calculated as follows: $EVE = \text{Photopic lumen} \times (\text{S/P Ratio})^{\wedge}0.8$
 ** Dimmable version is available upon request. The standard driver needs to be upgraded to dimmable version.

Polar Curve



Isolux Table

Distance m.	Ø 50% Half-peak diameter (m)		Eavg	
	C0-180	C90-270	Lux	fc
1	2.56	2.56	1668	155
2	5.12	5.12	417	39
3	7.68	7.68	185	17
4	10.24	10.24	104	10
6	15.36	15.36	46	4
8	20.48	20.48	26	2
10	25.60	25.60	17	2



The E (lux) values are not accurate, when within distance of less than 5 times of LED light emitter surface size. Within this distance from the lamp, the measured lux values will be less than the computed values in this overview as the measurements are then within the Near Field of the lamp.

LOGISTICS DATA | CP1 Spectral Enhanced Series

Ellipz CP1

	Single Unit Carton	Pallet	20ft Container Palletized	40ft Container Palletized
Quantity	1	36	288	648
Dimensions (mm)	465x465x235	1200x1000x21400	5900x2300x2300	11900 x 2300 x 2300
Gross Weight (Kg)	9	357	2856	6426