

## CANOPY LIGHTS

### CL1 Spectral Enhanced Series



#### KEY PRODUCT BENEFITS

- CRI>92
- High S/P ratio up to 2.2
- 10,000 Photopic Lumen (120W)
- Equivalent Visual Efficiency (EVE)\* 18,000 EVE Lumen



#### 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

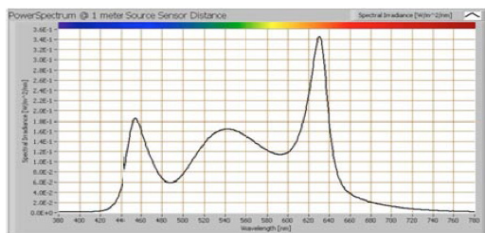
We combine knowledge of visual perception with the newest LED and lighting technologies. The light sources in Ellipz luminaires are red and single-phosphor cyan LEDs. With this proprietary concept, an optimal light spectrum is developed so that excellent vision is obtained with little energy. The basic 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 | CL1 Spectral Enhanced Series

\* Equivalent Visual Efficiency (EVE) is based on IES TM 24-13 recommendation which is calculated as follows:  $EVE = \text{Photopic lumen} \times (\text{S/P Ratio})^{0.8}$



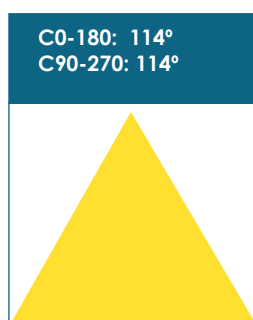
**CL1 | 4000K**  
C07040AC0

**CL1 | 5000K**  
C07020AC0

Electrical Specs		
Operating Voltage (V/AC) Rated	90 – 305	90 – 305
Voltage (V/AC)	110/230/277	110/230/277
Rated Current (A)	1.20/0.59/0.49	1.20/0.59/0.49
Rated Power (W)	120	120
System Power Nominal (W)	129	129
Frequency (Hz)	50/60	50/60
Power Factor	0.98/0.95/0.95	0.98/0.95/0.95
Optical Specs		
CCT (K)	4000	5000
Photopic Lumen (lm)	9,600	10,300
CRI (Color Rendering Index)	> 92	> 92
Photopic Efficacy (lm/W)	75.0	80.0
Beam Angle(°)	120	120
S/P Ratio	2.0	2.2
Dimming	No	No
EVE(lumen)	16,700	19,350
Others		
Operating Temperature [°C]	-40°C~+45°C	-40°C~+45°C
Storage Temperature [°C]	-40°C~+80°C	-40°C~+80°C
Operating Humidity [%]	20 ~ 95% RH	20 ~ 95% RH
Life Span (h) L85B15	40,000	40,000
Dimension L x W x H [mm]	400 x 400 x 160	400 x 400 x 160
Weight [kg]	7.6	7.6

## Isolux Table(120W)

m.	Ø 50%	
	C0-180	C90-270
1	3.08	3.08
1.5	4.62	4.62
2	6.16	6.16
3	9.24	9.24
4	12.32	12.32
6	18.48	18.48
8	24.64	24.64



E (lux)
3535
1571
884
393
221
98
55

<b>Luminaire Efficacy</b>
84 (Lumen per Watt)
<b>Half-peak diam 90-270</b>
3.08 x diameter (m)
<b>Half-peak diam 90-270</b>
3.08 x diameter (m)
<b>Illuminance</b>
3535 / distance <sup>2</sup> (Lux)
<b>Total Output</b>
10173 (lumen)

E (lux) values are not accurate, when within 5 x 210 mm (maximal luminous size, eventually diagonally measured)= 1050 mm. Within this distance from the lamp (data given in red), 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 | CL1 Spectral Enhanced Series

Ellipz CL1

	Single Unit Box	Offter Carton	Pallet	20ft Container Palletized	40ft Container Palletized
Quantity	1	20	960	8640	21120
Dimensions (mm)	123 x 123 x 108	635x 265x 235	1200 x 1000 x 2020	5860 x 2320x 2350	12000 x 2320 x 2350
Gross Weight (Kg)	0.350	7.5	380	3420	8360