

FLOOD LIGHTS | FL1 Spectral Enhanced Series



KEY PRODUCT BENEFITS

- CRI > 91
- S/P ratio up to 2.1 (5700K CCT)
- 13,460 Photopic Lumen (135W)
6,230 Photopic Lumen (60W)
- Equivalent Visual Efficiency (EVE)* up to 18,280



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

- Less energy required
- Contains no hazardous substances
- Ultraviolet Free
- No mercury and lead-free RoHS Compliance

■ 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

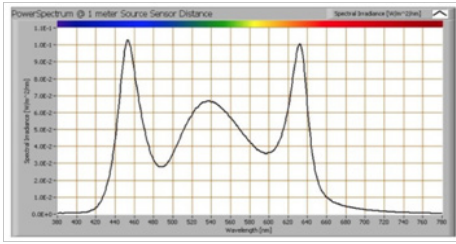
We combine knowledge of visual perception with the newest LED and lighting technologies. The light sources in Ellipz luminaires are red and single-phosphor cyan LEDs. With this proprietary concept, an optimal light spectrum is developed so that excellent vision is obtained with little energy. The basic 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 | FL1 Spectral Enhanced Series

Spectral Power Distribution (135W)



FL1 | 60W
4000K (8840AC)
5000K (8820AC)
5700K (8870AC)

FL1 | 135W
4000K (8A40AC)
5000K (8A20AC)
5700K (8A70AC)

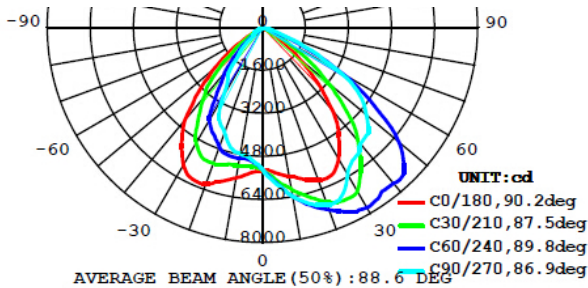
Electrical Specs		
Rated Voltage (VAC)	110/230/277	110/230/277
Operating Voltage Range(VAC)	90 – 305	90 – 305
Rated Current (A)	0.59/0.30/0.24	1.42/0.68/0.56
Rated Lamp Power (W)	60	135
System Power, nominal (W)	67	145
Frequency (Hz)	50/60	50/60
Power Factor	0.99/0.95/0.93	0.97/0.95/0.93
Optical Specs		
CCT (K)	4000/5000/5700	4000/5000/5700
Lumen output (lm, @5700K)	6230	13460
Color rendering index (CRI)	91	91
Photopic Efficacy (lm/W)	93	93
Average Beam Angle (°)	90°	90°
S/P Ratio	1.9/2.0/ 2.1	1.9/2.0/ 2.1
EVE (pupil lumen, @5700K)*	11275	24365
Dimmable**	NO	NO
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	50,000	50,000
H x W x L (mm)	320x250x77	410x300x77
Weight (kg)	3.7	5.5
Certification	CE	CE

*Equivalent Visual Efficiency (EVE) is based on IES TM 24-13 recommendation which is calculated as follows:

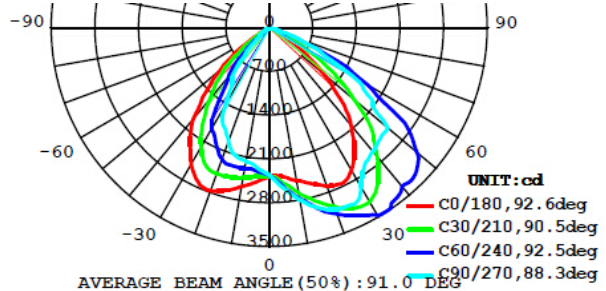
EVE= Photopic lumen x (S/P Ratio)^0.8

** Dimmable version is available upon request. The standard driver needs to be upgraded to dimmable version.

Polar Curve (135W)



Polar Curve (60W)



LOGISTICS DATA

Ellipz FL1 60W

Type	Single Unit Box	Pallet	20 ft Container - Palletized	40ft Container - Palletized	20 ft Container - Non Palletized	40ft Container - Non Palletized
Quantity	1	126	1260	2520	1890	3780
Dimensions (mm)	395 x 300 x 115	1200 x 1000 x 1810	5898 x 2352 x 2393	12032 x 2352 x 2340	5898 x 2352 x 2393	12032 x 2352 x 2340
Gross Weight (Kg)	4.2	546	5460	10920	7938	15876

Ellipz FL1 135W

Type	Single Unit Box	Pallet	20 ft Container - Palletized	40ft Container - Palletized	20 ft Container - Non Palletized	40ft Container - Non Palletized
Quantity	1	84	840	1680	1260	2520
Dimensions (mm)	500 x 355 x 115	1200 x 1000 x 1810	5898 x 2352 x 2393	12032 x 2352 x 2340	5898 x 2352 x 2393	12032 x 2352 x 2340
Gross Weight (Kg)	6.4	546	5460	10920	7938	15876