

LOW BAY LIGHTS

LB1 LB2 Spectral Enhanced Series



KEY PRODUCT BENEFITS

- CRI>90
- High S/P ratio up to 2.0
- Guarantee of 50,000 lifetime hours / L85B15
- SELV driver for extra safety
- Equivalent Visual Efficiency (EVE)* 8,900 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 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

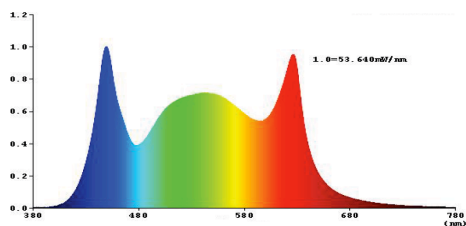
We combine knowledge of visual perception with the newest LED and lighting technologies. The light sources in Ellipz luminaires are red and single-phosphor cyan LEDs. With this proprietary concept, an optimal light spectrum is developed so that excellent vision is obtained with little energy. The basic 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 | LB1LB2 Spectral Enhanced Series

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



LB1 (with reflector) | 25W
 3000K (A0RV010AC0)
 4000K (A0RV040AC0)
 5000K (A0RV020AC0)
 5700K (A0RV070AC0)

LB1 (with reflector) | 45W
 4000K (A0RZ040AC0)
 5000K (A0RZ020AC0)
 5700K (A0RZ070AC0)

LB2 (without reflector) | 25W
 3000K (A0QV010AC0)
 4000K (A0QV040AC0)
 5000K (A0QV020AC0)
 5700K (A0QV070AC0)

LB2 (without reflector) | 45W
 4000K (A0QZ040AC0)
 5000K (A0QZ020AC0)
 5700K (A0QZ070AC0)

Electrical Specs

Rated Power	25	45	25	45
Rated voltage (Vac)	100-240	100-240	100-240	100-240
Input Current (A, @230V)	0.22	0.14	0.22	0.14
System Power (W)	49	28	49	28
Operating Voltage Range (VAC)	90-264	90-264	90-264	90-264
A-THD (% , @240Vac/50Hz)	12%	16%	12%	16%
Power factor (@240Vac/50Hz)	0.95	0.86	0.95	0.86
Dimmable	No	No	No	No

Optical Specs

Photopic lumen output (lm, @5700K CCT)	2410	4220	2920	4920
Efficacy (lm/W, @5700K CCT)	86	87	104	101
Color Rendering Index (@5700K CCT)	93	93	93	93
S/P ratio	2.1	2.1	2.1	2.1
Equivalent Visual Efficiency (lm) *	4363	7640	5286	8907
Beam Angle (°)	45deg	60deg	115deg	115deg

Environmental Specs

Operating Temperature(°C)	-40°C ~ +45°C	-40°C ~ +45°C	-40°C ~ +45°C	-40°C ~ +45°C
Storage Temperature (°C)	-40°C ~ +80°C	-40°C ~ +80°C	-40°C ~ +80°C	-40°C ~ +80°C
Life Span (h) , L85B15	50,000	50,000	50,000	50,000

Mechanical Specs

Dimension: H x D (mm)	388 x 337	388 x 337	205 x 177	205 x 177
Weight (g)	1.9	1.9	1.6	1.6
Ingress Protection	IP66	IP66	IP66	IP66
Heatsink Body	Casted aluminium			
Plastic Cover	Clear polycarbonate (Frosted cover is available upon request)			

Compliance

Certification	CE (TUV)
IES Files	Available upon request

LOGISTICS DATA | LB1LB2 Spectral Enhanced Series

Ellipz LB1 25W & 45W (With Reflector)

	Single Unit Box	Pallet	20ft Container	40ft Container
Quantity	1	20	160	360
Dimensions (mm)	400x400x425	1200x1000x2140	5900x2300x2300	11900x2300x2300
Gross Weight (Kg)	3	93	744	1674

Ellipz LB2 25W & 45W (Without Reflector)

	Single Unit Box	Pallet	20ft Container	40ft Container
Quantity	1	160	1280	2880
Dimensions (mm)	235x235x250	1200x1000x2140	5900x2300x2300	11900x2300x2300
Gross Weight (Kg)	2	353	2824	6354