



Ellipz High Bay Lights

HB2 Spectral Enhanced Series

Max Gain in Visual Efficiency

10,300 Photopic Lumen (5000K)

S/P Ratio up to 2.2

Equivalent Visual Efficiency (EVE)*
19,350 EVE Lumen

Excellent Color Recognition

Ellipz spectrally enhanced light source
for best color sensation
CRI >92

Weather & Impact Protection

IP66

Lightweight and Compact

5.2 kg (120W)

Environmentally Friendly

No mercury and lead free

Applications

Warehouse/Retail/Commercial Assembly/Manufacturing/Industrial Complex/Hangar

Product Codes

HB2

HB2 4000K 120W	7A07040AC0
HB2 5000K 120W	7A07020AC0

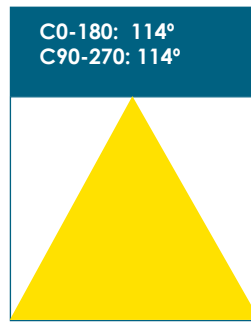
* Equivalent Visual Efficiency (EVE) is based on IES TM 24-13 recommendation which is calculated as follows:
EVE=Photopic lumen x (S/P Ratio)^{0.8}



HB2 v1.0

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

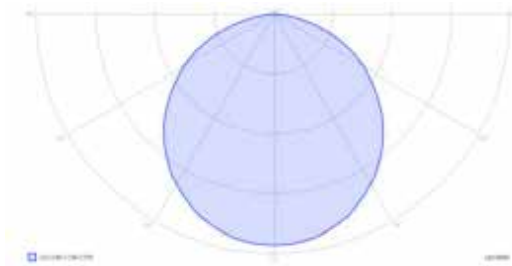


E (lux)
3535
1571
884
393
221
98
55

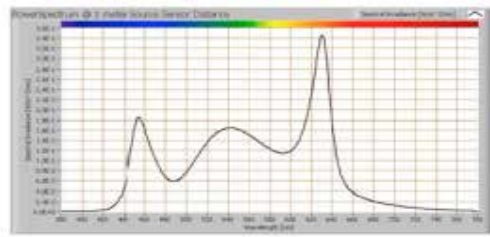
Luminaire Efficacy
84 (Lumen per Watt)
Half-peak diam 90-270
3.08 x diameter (m)
Half-peak diam 90-270
3.08 x diameter (m)
Iluminance
3535 / distance ² (Lux)
Total Output
10173 (lumen)

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.

Polar curve(120W)



Spectral Power Distribution(120W)



	Product Code	HB2 4000K 120W 7A0A040AC0	HB2 5000K 120W 7A0A020AC0
Electrical Specs	Rated Voltage (V/AC)	110/230/277	110/230/277
	Operating Voltage (V/AC)	90 – 305	90 – 305
	Rated Current (A)	1.20/0.59/0.49	1.20/0.59/0.49
	Rated Lamp 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
	Color Rendering Index, CRI	92	92
	Photopic Efficacy (lm/W)	75.0	80.0
	Beam Angle (°)	114	114
	S/P Ratio	2.0	2.2
	EVE(lm)	16,700	19,350
	Dimming	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	40,000	40,000
	Height (mm)	245	245
	Diameter (mm)	320	320
	Weight [kg]	5.2	5.2

Logistics Data

Ellipz HB2 120W

Type	Single Unit Box	Pallet	20 ft Container - Palletized	40ft Container - Palletized	20 ft Container -Non Palletized	40ft Container -Non Palletized
Quantity	2	48	480	960	780	1560
Dimensions (mm)	450x370x385	1200x1000x1740	5898x2352x2393	12032x2352x2340	5898x2352x2393	12032x2352x2340
Gross Weight (Kg)	10.8	317	3170	6340	8424	16848



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