



### Applications

Sports Arena  
Warehouse  
Superstore  
Factory  
Airport  
Gym

### Certification

-

## Description

Glare-Free & High Efficiency Lighting  
Optimal Uniformity  
Easy Replacement & Installation

## Specifications

Model Name	IBL500	
Power Consumption	500W	
Correlated Color Temperature	4000K (3000K / 5000K / 5700K available)	
Luminous Flux *	50,000 lm	
Luminous Efficacy *	100 lm/W	
LED Driving Current *	64.28 mA	
Color Rendering Index	80 Ra	
Light Distribution	80°(Asymmetric) / 130°(Asymmetric)	
LED Chip Manufacturer	SAMSUNG	
Input Voltage	100 - 277 Vac	
Input Current	Max 6.0A (@100Vac)	
Power Factor	≥0.9 at Max load	
Frequency	50 ~ 60 Hz	
Surge Protection	Line-Line 2KV, Line-FG 4KV	
Driver Type	Constant Current (CC)	
Driver Manufacturer	KMW INC. / Made in Korea	
Size ( L x W x H )	59.1 x 46.1 x 4.7 (inch)	1500 x 1172 x 118 (mm)
Weight (Driver included)	44.1 lb	20 Kg
Material	Body	Aluminum
	Optic	White Reflector
	Cover	Polycarbonate (Clear)
Finish	Anodized	
IP Rating	IP20	
Mounting Option	Wire Pendant	
Operating Temperature	14°F ~ 131°F	-10°C ~ 50°C
Life Time	50,000 Hours (@77°F / 25°C)	
Warranty	5 Years (12 hours usage per day)	

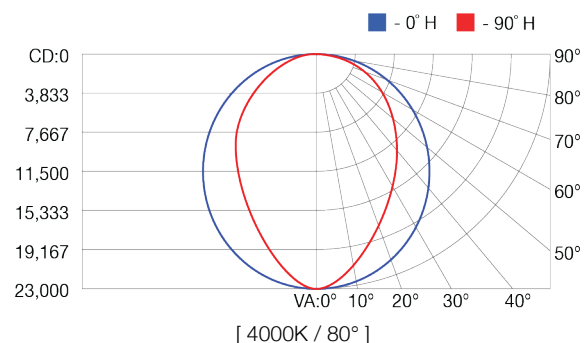
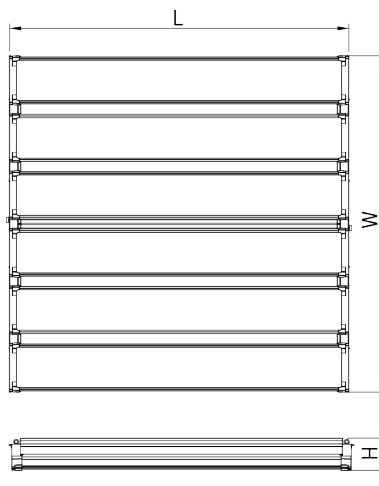
## Option

Control System	Wireless (ZigBee) / Wired (1-10V, DMX512) Sensor (Occupancy, Daylight)
----------------	---

\*Tolerance : ± 5%

## Photometry

See photometric .ies files for details.



## Control System (Optional)

<b>ZigBee (Mesh Networking)</b>		Wireless Control
Input Voltage		15 Vdc
Max. Power Consumption		0.3 W (@15Vdc)
Standard		2.4 GHz - IEEE 802.15.4 (Compatible)
Network		Mesh
RF Tx Power		Max. +8 dBm (Typ. 5 dBm)
Data Rate		250 kbps
Security		128 bit AES Encryption Algorithms
Dimmer		PWM, 0 – 10 Vdc
Antenna		Omni Type, 2 dBi
<b>1 – 10V</b>		Wired Control
Factory Installed		The maximum quantity at the time of group control is according to dimmer switch and actuator supply wattage
<b>Daylight Sensor</b>		Smart Sensor Module
Operating Voltage Range		5 – 50 Vdc (TYP. 15 Vdc)
Max. Power Consumption		0.6 W (@15Vdc)
Operating Temperature Range		-22°F ~ 122°F / -30°C ~ 50°C
Detectable Illumination Range		9.2 – 92 fc (Default : 64 fc) / 100 – 1,000 lx (Default : 700 lx)
LED Light Bi-level Setting		0 % to 30 % (Adjustable) / 10% (Default)
Output Signal		PWM
Weight		0.33 lb / 150 g
<b>Occupancy Sensor (L)</b>		Smart Sensor Module (Low Bay)
Operating Voltage Range		5 – 50 Vdc (TYP. 15 Vdc)
Max. Power Consumption		0.6 W (@15Vdc)
Operating Temperature Range		-22°F ~ 122°F / -30°C ~ 50°C
Sensitivity Range		Up to (16 feet / 5 M), Field of View, Horizontal 100°, Vertical 100° (77°F / 25° C)
Output Signal		PWM
Weight		0.33 lb / 150 g
Delay Time Setting		15 sec to 1 hour (Adjustable) / 1min (Default)
<b>Occupancy Sensor (H)</b>		Smart Sensor Module (High Bay)
Operating Frequency		24.05 ~ 24.25 Ghz
Output Power (EIRP)		16dBm (typ.)
Antenna Gain		10 dBi (typ.)
3dB Beam Width		80°(H) / 32°(V)
Detector Output Signal		Doppler Frequency
Operating Voltage Range		5 – 50 Vdc (TYP. 15 Vdc)
Max. Power Consumption		0.8 W (@15Vdc)
Operating Temperature Range		-22°F ~ 122°F / -30°C ~ 50°C
Sensitivity Range		Up to (40 feet / 12 M), Field of View, (77°F / 25° C)
Output Signal		PWM
Weight		0.37 lb / 170 g
Delay Time Setting		15 sec to 1 hour (Adjustable) / 1min (Default)
<b>DMX512</b>		Wired Control
Input Voltage		5 Vdc
Max. Power Consumption		0.2 W (@5Vdc)
Communication Method		RS-485
Data Rate		250 bps, 8-N-2
Dimmer Level		PWM, 0 – 10 Vdc