



Applications

Sports Arena
Warehouse
Superstore
Factory
Airport
Gym

Certification

UL
FCC
DLC
CE
ENEC

Description

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

Specifications

Model Name	IBL200	
Power Consumption	200W	
Correlated Color Temperature	5000K (3000K / 4000K / 5700K available)	
Luminous Flux *	21,000 lm	
Luminous Efficacy *	105 lm/W	
LED Driving Current *	74.1 mA	
Color Rendering Index	80 Ra	
Light Distribution	80°(Asymmetric) / 130°(Asymmetric)	
LED Chip Manufacturer	SAMSUNG	
Input Voltage	100 - 277 Vac	347 - 480 Vac
Input Current	Max 2.5A (@100Vac)	Max 0.75A (@347Vac)
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)	46.5 x 22.6 x 4.3 (inch)	1180 x 574.4 x 108.6 (mm)
Weight (Driver included)	16.3 lb	7.4 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 ~ 55°C
Life Time	50,000 Hours (@77°F / 25°C)	
Warranty	5 Years (12 hours usage per day)	

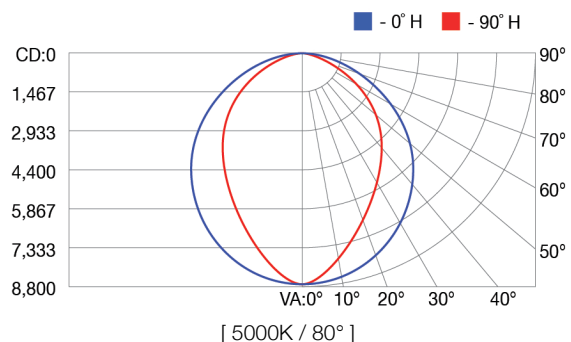
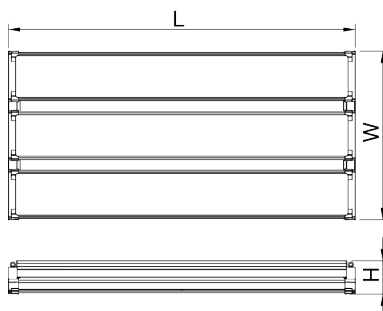
Option

Control System	Wireless (ZigBee) / Wired (1-10V, DMX512) Sensor (Occupancy, Daylight)
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*Tolerance : ± 5%

Photometry

See photometric .ies files for details.



Control System (Optional)

ZigBee (Mesh Networking)		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
1 – 10V		Wired Control
Factory Installed		The maximum quantity at the time of group control is according to dimmer switch and actuator supply wattage
Daylight Sensor		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
Occupancy Sensor (L)		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)
Occupancy Sensor (H)		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)
DMX512		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

KMW INC.

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Ordering Information

Order Code Usage : IBL200-A301208PUH

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	Power Consumption		Input Voltage	CCT (K)	Length	Beam Angle	Installation Type
IBL	130 =130W 170 =170W 200 =200W 400 =400W		A =100~277V B =100~240V C =347~480V	30 =3000K 40 =4000K 50 =5000K 57 =5700K	12 =1,180mm 15 =1,500mm (* 170W only)	08 =80° 13 =130°	P =Wire Pendant

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Region	Control System	
U =UL C =CE	A =Daylight B =Occupancy (High Bay) C =Occupancy (Low Bay) E =Occupancy (High Bay) + ZigBee F =Occupancy (Low Bay) + ZigBee G =Daylight + ZigBee H =Occupancy (High Bay) + Daylight + ZigBee I =Occupancy (Low Bay) + Daylight + ZigBee J =Occupancy (High Bay) + Daylight K =Occupancy (Low Bay) + Daylight T =1-10V U =DMX512 Z =ZigBee N =None *High Bay : Under 12M / Low Bay : Under 5M	