

LED Bay Lighting

IBL Series

IBL500 / IBL400 / IBL200 / IBL170 / IBL130

Product Description

- Glare-free and high efficiency lighting
- Comfortable and soft bay light
- Easy replacement and installation

Application

- Sports Arenas
- Warehouses
- Superstores
- Factories
- Airports
- Gyms

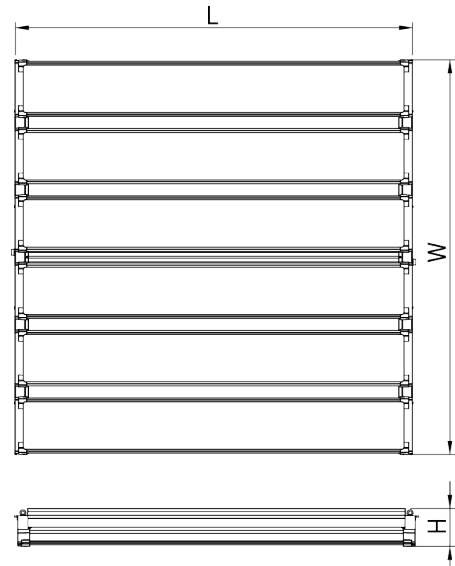
Certification

- UL / FCC / DLC
- CE / ENEC
- KC
- CCC
- TIS

IBL Series (500W)



Dimension



Size (L x W x H)	59.1 x 46.1 x 4.5 (inch)
	1,500.0 x 1,172.0 x 113.0 (mm)

LED Bay Lighting

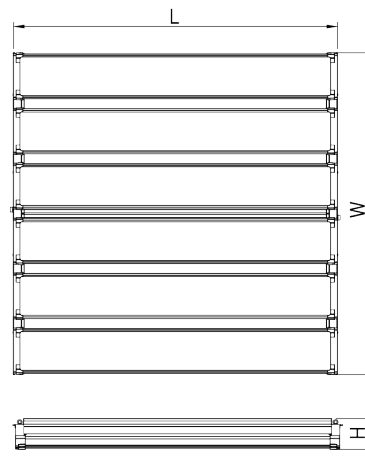
IBL Series

IBL500 / IBL400 / IBL200 / IBL170 / IBL130

IBL Series (400W)



Dimension



Size (L x W x H)	46.5 x 46.1 x 4.5 (inch)
	1,180.0 x 1,172.0 x 113.0 (mm)

IBL Series (200W)



Dimension



Size (L x W x H)	46.5 x 22.5 x 4.5 (inch)
	1,180.0 x 572.0 x 113.0 (mm)

LED Bay Lighting

IBL Series

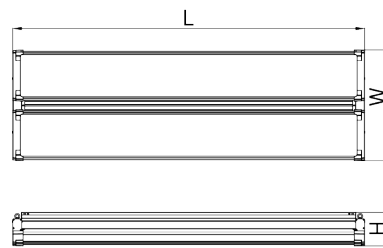
GigaTera[®]
beyond light

IBL500 / IBL400 / IBL200 / IBL170 / IBL130

IBL Series (170W)



Dimension

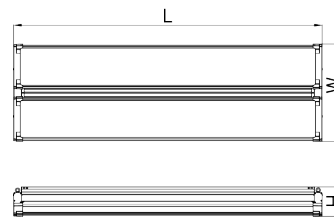


Size (L x W x H)	59.1 x 14.7 x 4.5 (inch)
	1,500.0 x 372.0 x 113.0 (mm)

IBL Series (130W)



Dimension



Size (L x W x H)	46.5 x 14.7 x 4.5 (inch)
	1,180.0 x 372.0 x 113.0 (mm)

LED Bay Lighting

IBL Series

IBL500 / IBL400 / IBL200 / IBL170 / IBL130

IBL Series Specifications

Model Name	IBL500	IBL400	IBL200	IBL170	IBL130
Power Consumption	500W	400W	200W	170W	130W
Light Source	0.2W Mid Power LED Chips				
CCT	5000K (5700K / 4000K / 3000K available)				
Luminous Flux *	52,500 lm	42,000 lm	21,000 lm	17,850 lm	13,650 lm
Luminous Efficacy *	105 lm/W				
Color Rendering Index	80 Ra				
LED Driving Current	64.3 mA	74.1 mA			
Light Distribution	80° / 130°				
LED Chip Manufacturer	SAMSUNG				
Input Voltage	100 ~ 277 Vac / 347 ~ 480 Vac			100 ~ 240 Vac / 100 ~ 277 Vac	
Input Current	Max. 6.0A(@100Vac)	Max. 4.8A(@100Vac) Max. 1.5A(@347Vac)	Max. 2.5A(@100Vac) Max. 0.75A(@347Vac)	Max. 2.0A(@100Vac)	Max. 1.55A(@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)				
Fixture Manufacturer	KMW INC. / Made in Korea				
Size (L x W x H)	59.1 x 46.1 x 4.5" / 1,500x1,172x113mm	46.5 x 46.1 x 4.5" / 1,180x1,172x113mm	46.5 x 22.5 x 4.5" / 1,180x572x113mm	59.1 x 14.7 x 4.5" / 1,500x372x113mm	46.5 x 14.7 x 4.5" / 1,180x372x113mm
Weight (Driver included)	44.1 lb / 20.0 kg	36.6 lb / 16.6 kg	21.6 lb / 9.8 Kg	18.1 lb / 8.2 Kg	15.2 lb / 6.9 Kg
Material	Body	Cast Aluminum			
	Optic	White Reflector			
	Cover	Polycarbonate (Clear)			
Finish	Anodized				
IP Rating	IP20				
Operating Temperature	14°F ~ 122°F / -10°C ~ 50°C		14°F ~ 131°F / -10°C ~ 55°C	14°F ~ 122°F / -10°C ~ 50°C	14°F ~ 131°F / -10°C ~ 55°C
Option	Control	Wireless(ZigBee) / Wired(1-10V) / Sensor (Occupancy, Daylight)			
	Mounting	Wire Pendant			
Warranty	10 Years (12 hours usage per day)				

* Tolerance : ± 5%

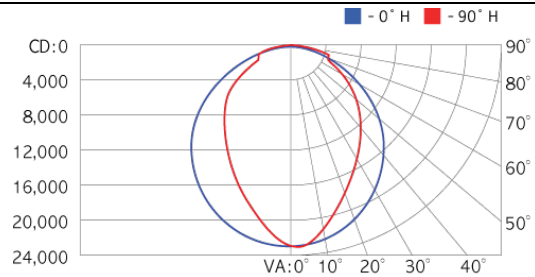
LED Bay Lighting

IBL Series

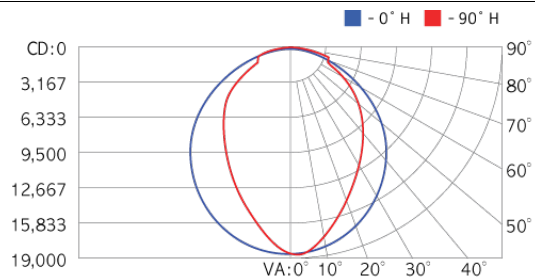
IBL500 / IBL400 / IBL200 / IBL170 / IBL130

IBL Series Photometry Data

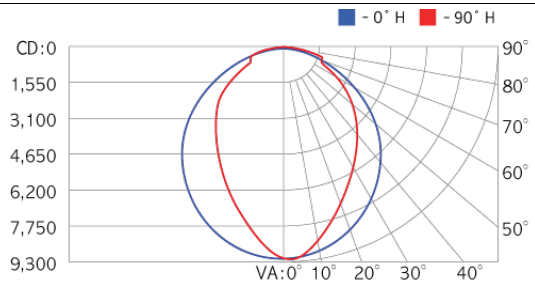
IBL500 / 5000K / 80°



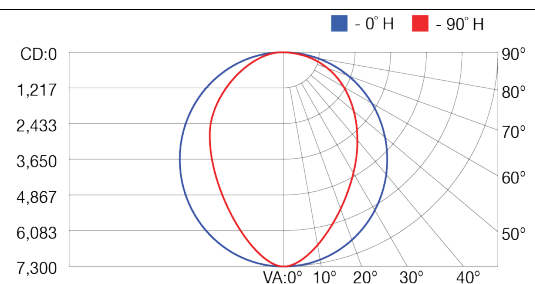
IBL400 / 5000K / 80°



IBL200 / 5000K / 80°



IBL170 / 5000K / 80°

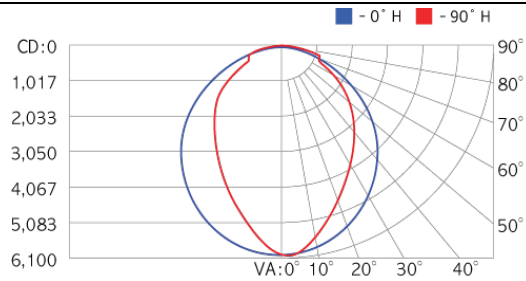


LED Bay Lighting IBL Series

IBL500 / IBL400 / IBL200 / IBL170 / IBL130

IBL Series Photometry Data

IBL130 / 5000K / 80°



LED Bay Lighting

IBL Series

IBL500 / IBL400 / IBL200 / IBL170 / IBL130

Control System (Optional)

ZigBee	Wireless Control
Input Voltage	15 Vdc
Max. Power Consumption	0.3W (@15 Vdc)
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	0.6W (@15 Vdc)
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 (@15 Vdc)
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)

LED Bay Lighting

IBL Series

IBL500 / IBL400 / IBL200 / IBL170 / IBL130

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 (@15 Vdc)
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)

Ordering Information		Ordering Code Usage : IBL500-B501208SUB						
000	-	0	00	00	00	0	0	0
Power Consumption		Input Voltage	CCT (K)	Length	Beam Angle	Installation Type	Region	Control System
500=500W 400=400W 200=200W 170=170W 130=130W		A=100~277V B=100~240V C=347~480V	57=5700K 50=5000K 40=4000K 30=3000K	15=1,500 mm (*170W only) 12=1,180 mm	13 = 130° 08 = 80°	S=Surface Mount P=Wire Pendant I=Pipe Pendant	K=KC U=UL V=VDE 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 L=Emergency (130W only) M=Emergency+ZigBee (130W only) Z=ZigBee N=None * (High Bay) : Under 12M (Low Bay) : Under 5M
IBL								