

HB-SERIES

SWEEÖ[®]
LED Lighting



INVENTRONICS
LED DRIVER inside

LM-79
LM-80

IP66
IK10

LUMILEDS
The Brighter Choice



RoHS
Compliant



5 YEAR
WARRANTY

LED BAY/FLOOD LIGHTS



Overview

The SWEEÖ HB-Series LED bay/flood lights are using PHILIPS LUMILEDS® luminous source, providing excellent lumen output, long-lasting stability and splendid sight.

The SWEEÖ HB-Series LED bay/flood lights have a high luminous efficiency and better service life. Provide 5 years warranty on luminaire.

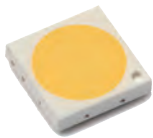
Color Options

■ Silver Gray

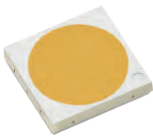
HIGH-EFFICACY LED LIGHT SOURCE



Philips Lumileds Luxeon TX
Greater than 135lm/W high efficacy, illumination grade LED light source.



Philips Lumileds 3030 2D
Greater than 150lm/W high efficacy, illumination grade LED light source.



Philips Lumileds 5050
Greater than 185lm/W high efficacy, illumination grade LED light source.

HIGH-END LED DRIVER (Two options)

+ NON-DIMMABLE



High-end Mean Well HLG Series LED driver, optimal stability, performance and lifespan.

+ DIMMABLE

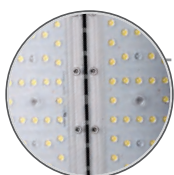
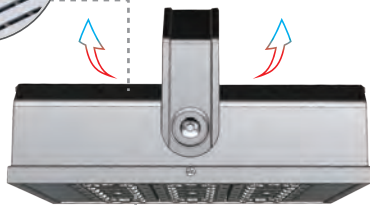


High-end Inventronics programmable LED driver, integrate dimming function and 6KV /10KV surge protection. Provide excellent performance and lifespan.

AIR CONVECTION EFFECT

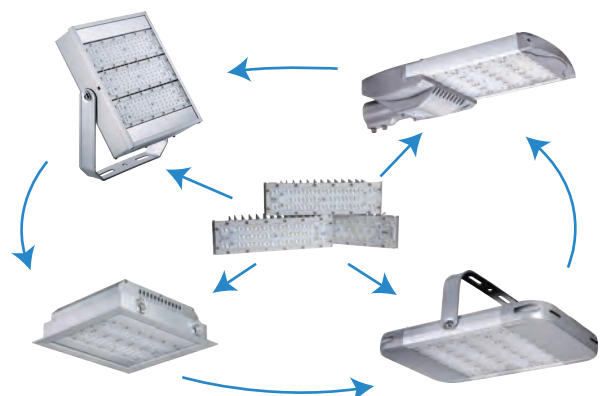


Reasonable heat sink design, not only keep ventilation but also avoid laceration.

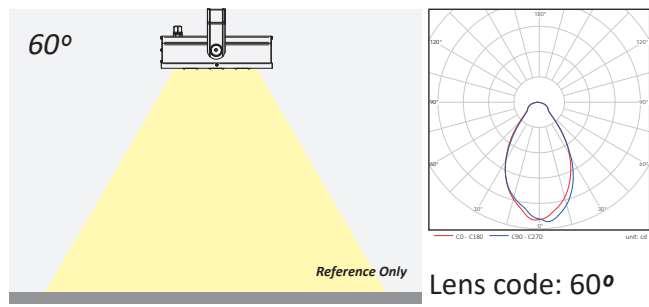


Gaps between each module increase heat dissipation speed and solve the problem of dust deposition.

FLEXIBLE COMBINATIONS OF MODULES

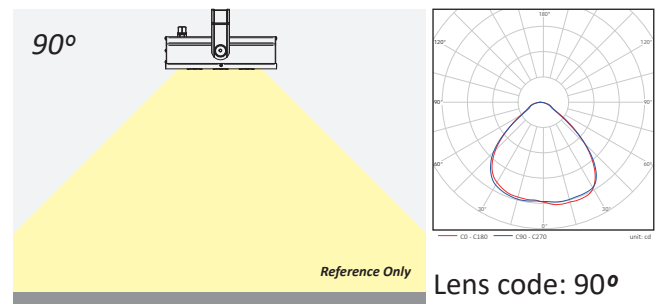


Optics



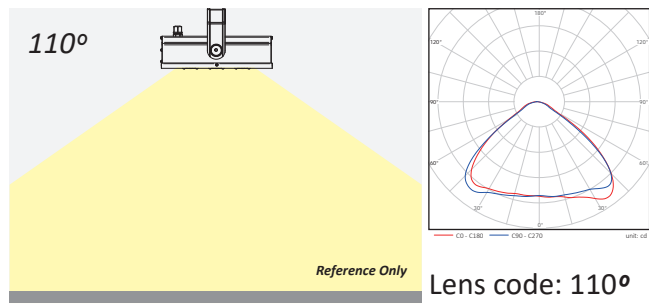
Applications:

Bay Light: Shelf Aisle | High Hall | High Workshop
Flood Light: Billboard | Area | Architecture | Landscape Lighting



Applications:

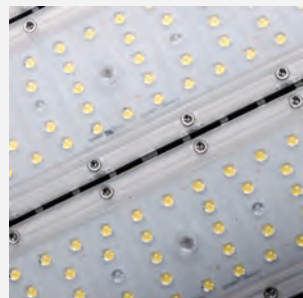
Bay Light: Warehouse | Workshop
Flood Light: Billboard | Area | Architecture | Landscape Lighting



Applications:

Bay Light: Warehouse | Workshop | Gas Station
Flood Light: Billboard | Area | Architecture | Landscape Lighting

Design Features



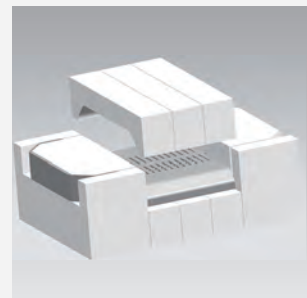
Professional lens design with 60°, 90° and 110° optional.



Use M16 waterproof connector, avoid hard power damage.



Full aluminum made, sufficient heat dissipation area also no corrosion worries.



A special tailormade packaging designed to guarantee the highest protection of the lamp.



Use waterproof connector for internal wiring, safe, convenient & fast.



Innovative pluggable connector, clean & efficient.



UL standard connection.



The exquisite and innovated frame holder not only makes the installation more simple but also firmer.

DETAILED FEATURES

Electrical & Photometric

★ 3030 Version

Number of Modules	Model*1	LED Working Current	Power	Luminaire Efficacy (+/- 5%)	Lumen Output (+/- 5%)	Input Voltage	LED Brand	Driver Brand	Light Distributions	CCT (K)	Lifetime (h)		
1	LOZ-GCD40H4B-130XXXXXX LOZ-FGD40H4B-130XXXXXX	95mA	40W	130 lm /w	5200 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 3030 2D	MeanWell Inventronics	60° 90° 110°	3000*2 4000 5000 5700	>100,000 (L70)		
	LOZ-GCD50H5B-130XXXXXX LOZ-FGD50H5B-130XXXXXX	115mA	50W	120 lm /w	6000 lm								
	LOZ-GCD60H6B-130XXXXXX LOZ-FGD60H6B-130XXXXXX	145mA	60W	115 lm /w	6900 lm							>80,000 (L70)	
	LOZ-GCD80H4B-230XXXXXX LOZ-FGD80H4B-230XXXXXX	100mA	80W	130 lm /w	10400 lm								
2	LOZ-GCD100H5B-230XXXXXX LOZ-FGD100H5B-230XXXXXX	120mA	100W	120 lm /w	12000 lm						>100,000 (L70)		
	LOZ-GCD120H6B-230XXXXXX LOZ-FGD120H6B-230XXXXXX	145mA	120W	115 lm /w	13800 lm							>80,000 (L70)	
	3	LOZ-GCD120H4B-330XXXXXX LOZ-FGD120H4B-330XXXXXX	100mA	120W	130 lm /w						15600 lm		>100,000 (L70)
		LOZ-GCD150H5B-330XXXXXX LOZ-FGD150H5B-330XXXXXX	120mA	150W	120 lm /w						18000 lm		
LOZ-GCD180H6B-330XXXXXX LOZ-FGD180H6B-330XXXXXX		145mA	180W	115 lm /w	20700 lm						>80,000 (L70)		
LOZ-GCD160H4B-430XXXXXX LOZ-FGD160H4B-430XXXXXX		100mA	160W	130 lm /w	20800 lm								
4	LOZ-GCD200H5B-430XXXXXX LOZ-FGD200H5B-430XXXXXX	120mA	200W	120 lm /w	24000 lm						>100,000 (L70)		
	LOZ-GCD240H6B-430XXXXXX LOZ-FGD240H6B-430XXXXXX	145mA	240W	115 lm /w	27600 lm							>80,000 (L70)	
	5	LOZ-GCD200H4B-530XXXXXX LOZ-FGD200H4B-530XXXXXX	100mA	200W	130 lm /w								26000 lm
		LOZ-GCD240H5B-530XXXXXX LOZ-FGD240H5B-530XXXXXX	120mA	240W	120 lm /w							28800 lm	

*1 Model of Bay Light: LOZ-GCDXXHXB | Model of Flood Light: LOZ-FGDXXHXB.

*2 Luminous Efficacy of 3000K is 5% lower than other CCTs.

*3 "XX" in Model represents different CCT.

*4 "XXXX" in Model represents different lighting distributions.

★ 5050 Version

Number of Modules	Model*1	LED Working Current	Power	Luminaire Efficacy (+/- 5%)	Lumen Output (+/- 5%)	Input Voltage	LED Brand	Driver Brand	Light Distributions	CCT (K)	Lifetime (h)		
1	LOZ-GCD40H4B-150XXXXXX LOZ-FGD40H4B-150XXXXXX	48mA	40W	155 lm /w	6200 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds 5050	MeanWell Inventronics	110°	3000*2 4000 5000 5700	>85,000 (L70)		
	LOZ-GCD50H5B-150XXXXXX LOZ-FGD50H5B-150XXXXXX	59mA	50W	150 lm /w	7500 lm								
	LOZ-GCD60H6B-150XXXXXX LOZ-FGD60H6B-150XXXXXX	75mA	60W	145 lm /w	8700 lm							>80,000 (L70)	
	LOZ-GCD80H4B-250XXXXXX LOZ-FGD80H4B-250XXXXXX	50mA	80W	155 lm /w	12400 lm								
2	LOZ-GCD100H5B-250XXXXXX LOZ-FGD100H5B-250XXXXXX	61mA	100W	150 lm /w	15000 lm						>85,000 (L70)		
	LOZ-GCD120H6B-250XXXXXX LOZ-FGD120H6B-250XXXXXX	75mA	120W	145 lm /w	17400 lm							>80,000 (L70)	
	3	LOZ-GCD120H4B-350XXXXXX LOZ-FGD120H4B-350XXXXXX	50mA	120W	155 lm /w								18600 lm
		LOZ-GCD150H5B-350XXXXXX LOZ-FGD150H5B-350XXXXXX	58mA	150W	150 lm /w							22500 lm	
4	LOZ-GCD180H6B-350XXXXXX LOZ-FGD180H6B-350XXXXXX	75mA	180W	145 lm /w	26100 lm						>80,000 (L70)		
	5	LOZ-GCD160H4B-450XXXXXX LOZ-FGD160H4B-450XXXXXX	50mA	160W	155 lm /w							24800 lm	>85,000 (L70)
		LOZ-GCD200H5B-450XXXXXX LOZ-FGD200H5B-450XXXXXX	58mA	200W	150 lm /w							30000 lm	
	LOZ-GCD240H6B-450XXXXXX LOZ-FGD240H6B-450XXXXXX	75mA	240W	145 lm /w	34800 lm							>80,000 (L70)	
5	LOZ-GCD200H4B-550XXXXXX LOZ-FGD200H4B-550XXXXXX	50mA	200W	155 lm /w	31000 lm						>85,000 (L70)		
	LOZ-GCD240H5B-550XXXXXX LOZ-FGD240H5B-550XXXXXX	61mA	240W	150 lm /w	36000 lm								

*1 Model of Bay Light: LOZ-GCDXXHXB | Model of Flood Light: LOZ-FGDXXHXB.

*2 Luminous Efficacy of 3000K is 5% lower than other CCTs.

*3 "XX" in Model represents different CCT.

*4 "XXXX" in Model represents different lighting distributions.

★ 3535 Version

Number of Modules	Model*1	LED Working Current	Power	Luminaire Efficacy (+/- 5%)	Lumen Output (+/- 5%)	Input Voltage	LED Brand	Driver Brand	Light Distributions	CCT (K)	Lifetime (h)
1	LOZ-GCD40HB-135XXXXXX LOZ-FGD40HB-135XXXXXX	860mA	40W	100 lm /w	4000 lm	100-240V /277V AC 50 /60Hz	Philips Lumileds Luxeon TX	MeanWell Inventronics	60° 90° 110°	3000*2 4000 5000 5700	>100,000 (L70)
2	LOZ-GCD80HB-235XXXXXX LOZ-FGD80HB-235XXXXXX	900mA	80W	100 lm /w	8000 lm						
3	LOZ-GCD120HB-335XXXXXX LOZ-FGD120HB-335XXXXXX	900mA	120W	100 lm /w	12000 lm						
4	LOZ-GCD160HB-435XXXXXX LOZ-FGD160HB-435XXXXXX	900mA	160W	100 lm /w	16000 lm						
5	LOZ-GCD200HB-535XXXXXX LOZ-FGD200HB-535XXXXXX	900mA	200W	100 lm /w	20000 lm						
6	LOZ-GCD240HB-635XXXXXX LOZ-FGD240HB-635XXXXXX	900mA	240W	100 lm /w	24000 lm						

*1 Model of Bay Light: LOZ-GCDXXHB | Model of Flood Light: LOZ-FGDXXHB.

*3 "XX" in Model represents different CCT.

*2 Luminous Efficacy of 3000K is 5% lower than other CCTs.

*4 "XXXX" in Model represents different lighting distributions.

Working Environment & Packing

Number of Modules	Working Environment	Storage Temperature	Rating	CRI	Power Factor	Power Efficiency	Material	Product Dimensions (mm)	Carton Size (mm)	N.W (kg)	G.W (kg)
1	-40 °C ~ +50 °C 10% ~ 90%RH	-40 °C ~ +50 °C	Class I IP66 IK10	>70	>0.95	>90%	Housing: Aluminium Alloy; Lens: PC	166*270*165(Bay Light)	285*370*200	2.4	3.1
2								166*270*190(Flood Light)			
3								239*270*165(Bay Light)	355*370*200	3.6	4.4
4								239*270*227(Flood Light)			
5								312*270*165(Bay Light)	430*370*200	4.5	5.4
6								312*270*263(Flood Light)			
	385*270*165(Bay Light)	505*370*200	5.4	6.3							
	385*270*300(Flood Light)										
	458*270*165(Bay Light)	580*370*200	6.3	7.2							
	458*270*336(Flood Light)										
	531*270*165(Bay Light)	650*370*200	7.1	8.1							
	531*270* 373(Flood Light)										

Note: Above data of weight are all typical values.

Certification

Manufacturer
ISO9001
HB Series
CE, ROHS, LM79, LM80
H4B/H5B Series
CE, ROHS, LM80
H6B Series
CE, ROHS, LM80

Variety applications

Bay light with short bracket

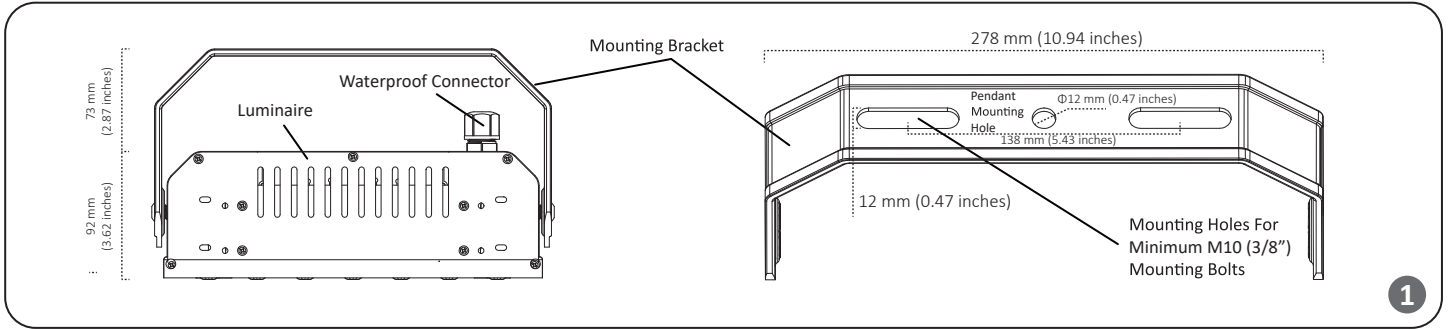


Flood light with long bracket

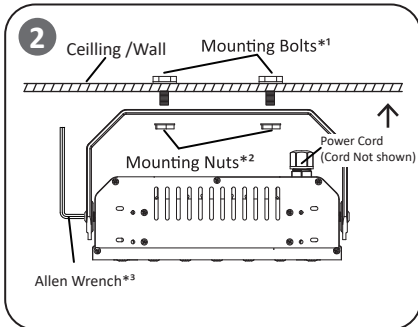


Installation of Bay Light

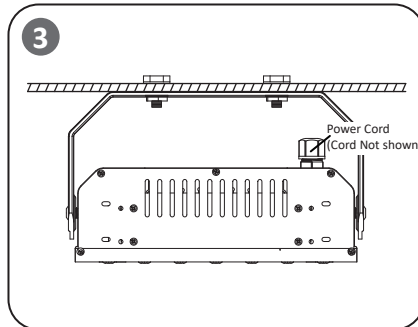
★ Mounting Bracket



★ Direct Mounting



*1 Minimum M10 (3/8") Bolts (not-provided) *2 Mounting Nuts are not provided *3 Allen Wrench: 8mm (5/16")



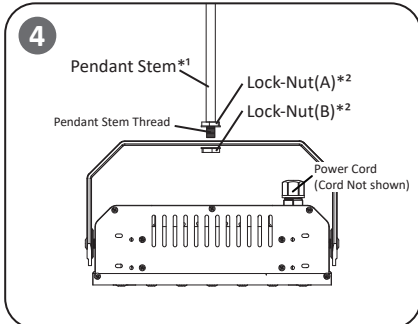
STEP 1: Assemble the mounting bracket to the fixture by provided M10 (3/8") round head screws.

STEP 2: Mount the fixture by two(2) minimum M10 (3/8") bolts. See image 2.

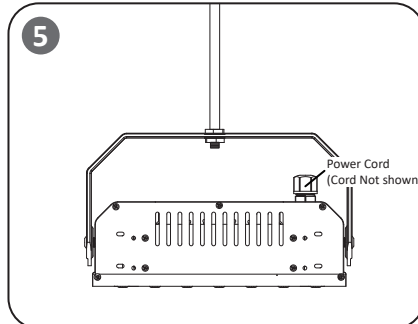
STEP 3: Loosen the mounting bracket screws, adjust the fixture to desired position, re-secure the screws.

STEP 4: Connect the **Power Cord** to the supply wiring per "**Electrical Connections**" section for completing electrical connections.

★ Pendant Mounting



*1 Pendant Stem can not be the soft material (not-provided) *2 Lock Nuts are not provided



STEP 1: Assemble the mounting bracket to the fixture by provided M10 (3/8") round head screws.

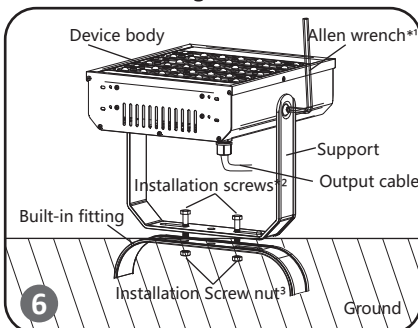
STEP 2: Attach Lock-Nut(A) to the bottom of the Pendant Stem. Attach Lock-Nut(B) by holding the interjacent Fixture Bracket and tightening Lock-Nut(B) until secure. See image 4.

STEP 3: Loosen the mounting bracket screws, adjust the fixture to desired position, re-secure the screws.

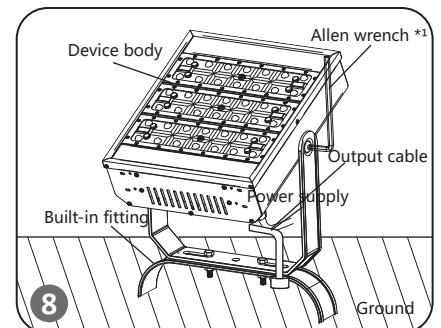
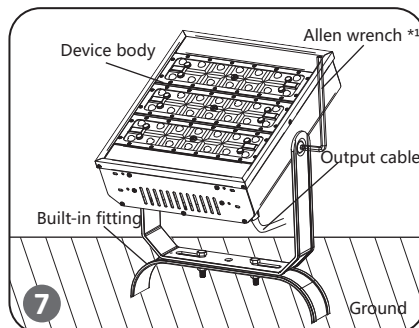
STEP 4: Connect the **Power Cord** to the supply wiring per "**Electrical Connections**" section for completing electrical connections.

Installation of Flood Light

★ Direct Mounting



*1 Allen wrench: 8mm(5/16") *2 Minimum M10(3/8") screws (Not provided) *3 Screw nuts (Not provided)



STEP 1: Use an Allen wrench to fix the body and the support (is not necessary to tighten the screws too hard). Align support and built-in fitting, tighten the screws as image 6.

STEP 2: Settle in the adequate angle position and use Allen screw to fix it as image 7.

STEP 3: Connect wire as image 8.