

HIGH TEMPERATURE HIGH BAY / FLOODLIGHT

PQ-HBHEL

Designed for operation in an environment with ambient temperature up to 100°C/212°F, the HBHEL is a worry-free, low maintenance lamp for maximum reliability, durability and shock, vibration and vandalism resistance, even in the harshest environment.

- High temperature: 80°C / 100°C
- Heavy duty



80°C / 176°F
100°C / 212°F



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MODEL	Color Temperature (CCT)	Power (W)	Beam Angle	Dimensions (mm)	Input Voltage (V)
PQ-HBHEL	035K = 3500K 041K = 4000K-4500K 045K = 4500K 051K = 5000K-5500K 055K = 5500K	50W	30°	273x366x245	120V = 100-277VAC 347V = 200-480VAC
		100W	90°	308x366x245	
		150W	110°	402x366x245	
		200W	150°	496x366x245	
		300W	30x100°	684x366x245	
		450W	60x100°	966x366x245	
			70x135°		
			75x145°		
			60x150°		
			60x155°		
			73x133°		
			100x150°		
			130x70°		

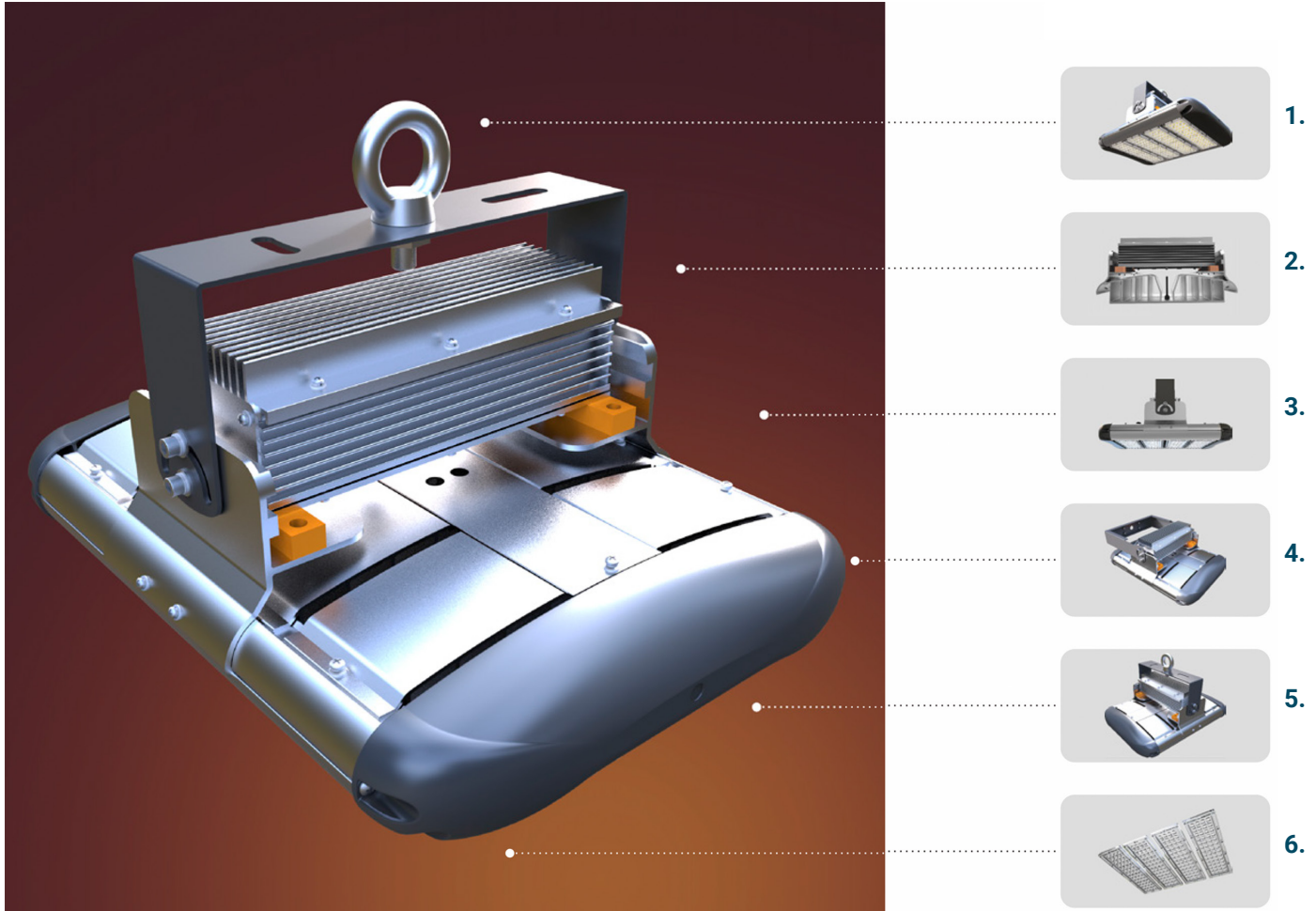
CERTIFICATIONS



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PRODUCT FEATURES

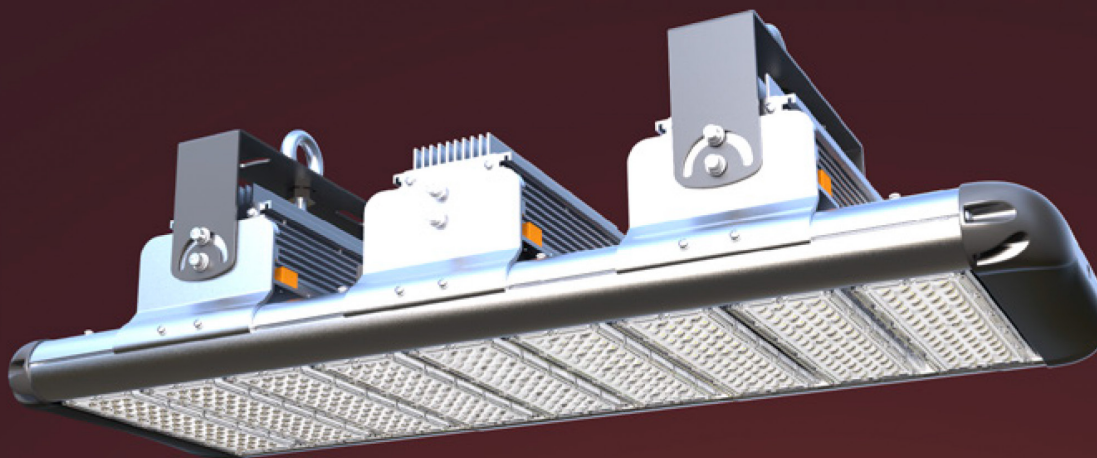


1. Excellent thermal management system ensures stable operation at 80°C / 100°C ambient temp.
2. Long lasting performance L70>100,000 hours.
3. IP66 for wet location & IK10 impact resistant for the harshest environment.
4. 3G or 5G vibration rated for the most challenging applications.
5. Hanging ring or universal bracket for any types of installation, both indoor and outdoor.
6. 15 types of optic lens at choice.

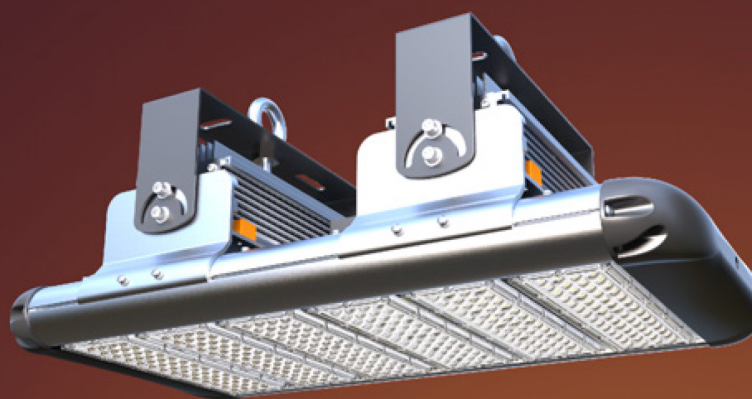
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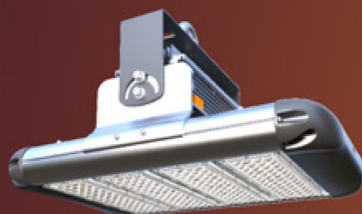
PRODUCT FEATURES



9 Modules ~ 450W



6 Modules ~ 300W



4 Modules ~ 200W



3 Modules ~ 150W



2 Modules ~ 100W



1 Module ~ 50W

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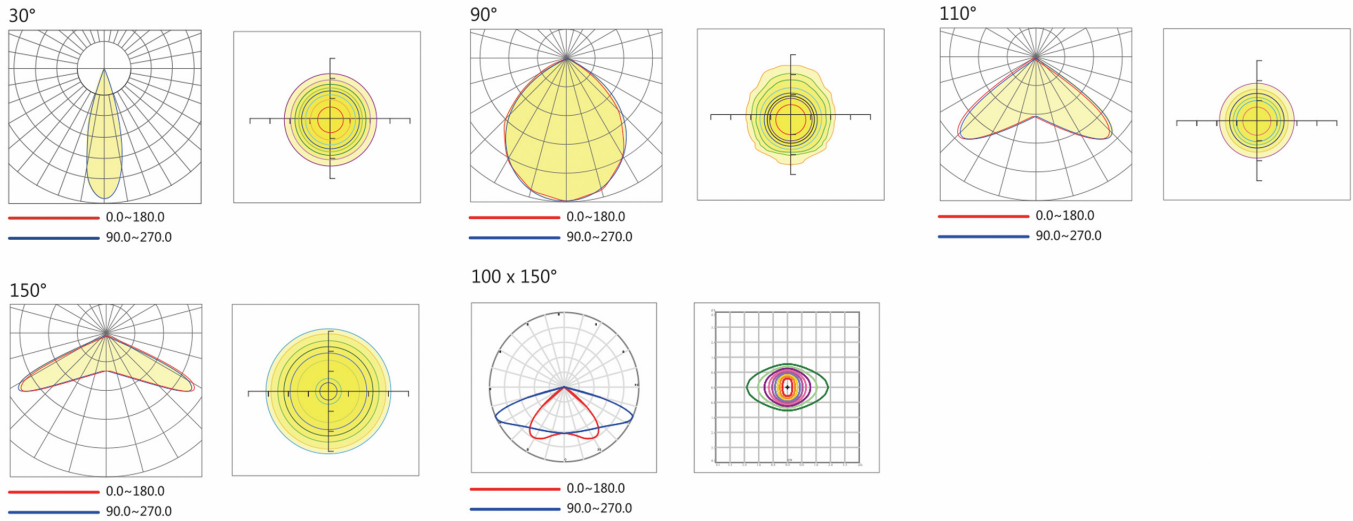
SPECIFICATIONS						
Model	PQ-HBHEL					
Power (W)	50W	100W	150W	200W	300W	450W
Lumen per Watt	140Lm/w					
Input Voltage	100-277VAC, 200-480VAC					
LED Chip	Philips Lumileds					
CRI	RA>70					
CCT	3500K, 4000K, 4500K, 5000K, 5500K					
Lumen	7,000lm	14,000lm	21,000lm	28,000lm	42,000lm	63,000lm
Beam Angle	20°, 30°, 50°, 90°, 110°, 150° 30x100°, 60x100°, 130x70°, 70x135°, 75x145°, 60x150°, 73x133°					
IP & IK	IP66 / IK10					
Driver Brand	Meanwell-HLG / Meanwell-HVG					
Sensor Type	Microwave, Photocell, Remote Control					
Power Factor	0.95					
THD	20% Max					
Power Cord	0.3M					
Housing	Aluminum Alloy					
Housing Color	Black, Grey, Bronze					
Work Temp	Max to 80°C/176°F, fixture with driver together Max to 100°C/212°F, fixture with remote driver					
Supports	Wall Bracket, Hanging Ring, 180° U-Bracket, 360° U-Bracket, 360° U-Bracket + Slip Fitter					
Warranty	5 years					
Certifications	cETLus, DLC premium, CB, RoHS, SAA					
Dimension (mm)	273 x 366 x 245	308 x 366 x 245	402 x 366 x 245	496 x 366 x 245	684 x 366 x 245	966 x 366 x 245

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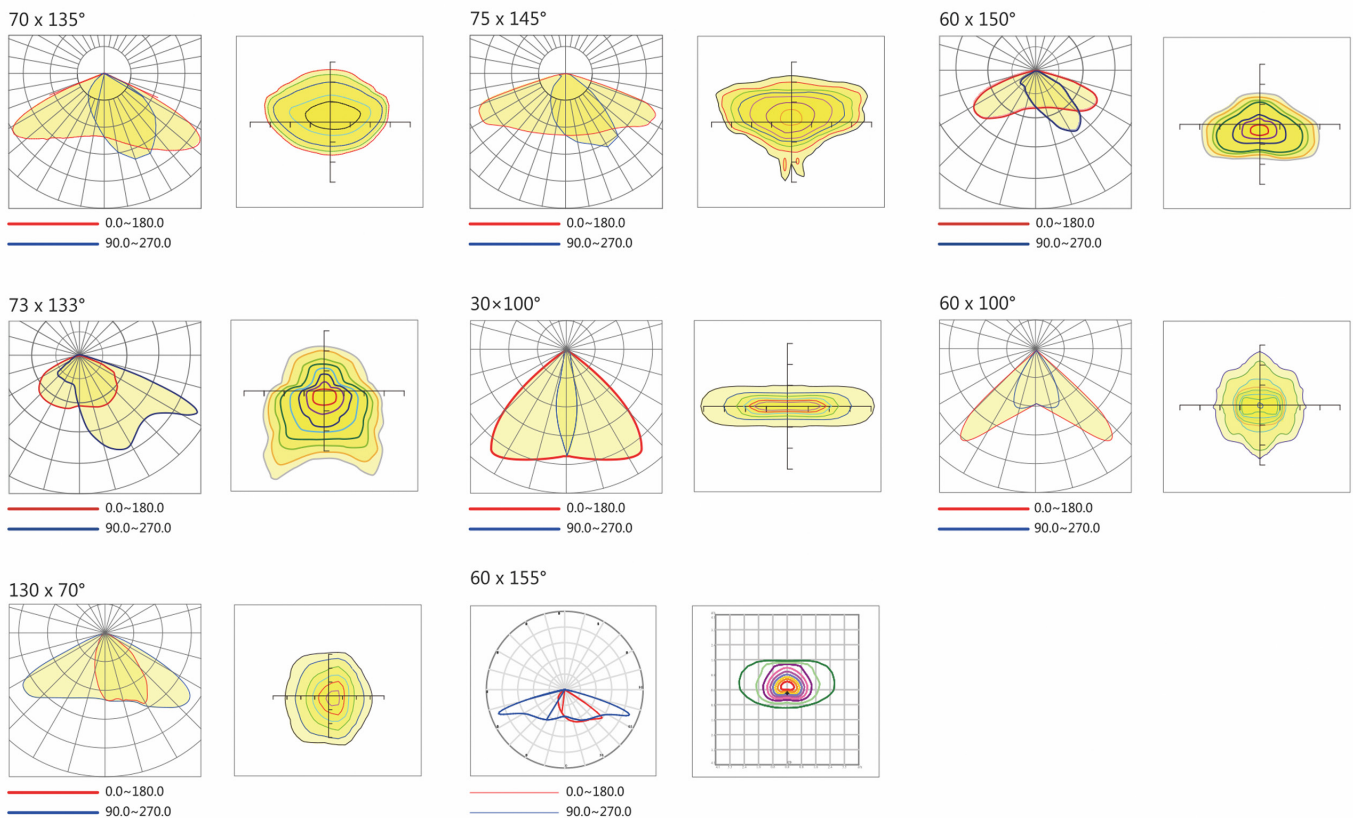
PQ-HBHEL

PHOTOMETRICS

Round Light Spot



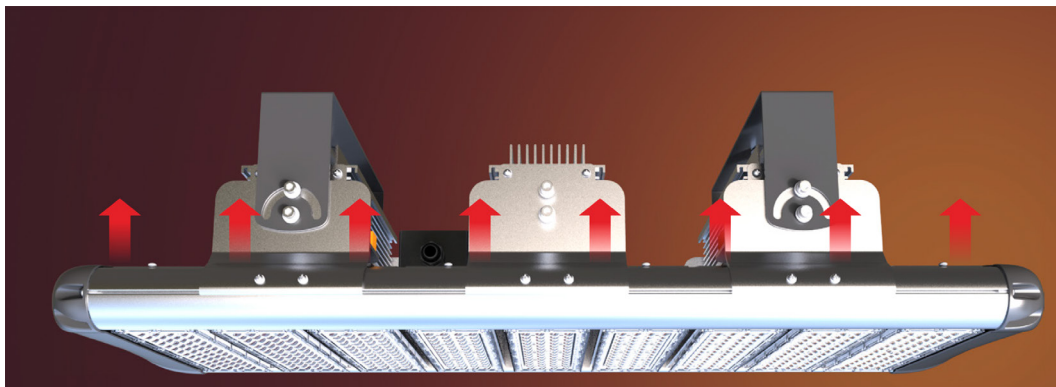
Rectangular Light Spot



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APPLICATIONS



HBHEL sets the industry standard with energy efficiency and durability for the longest lasting performance in high ambient temperature industrial applications including Manufacturing, Power Generation, Water and Wastewater, Pulp and Paper, Metals and Mining, Chemical and Petrochemical and Oil and Gas.



Heavy Duty Industry



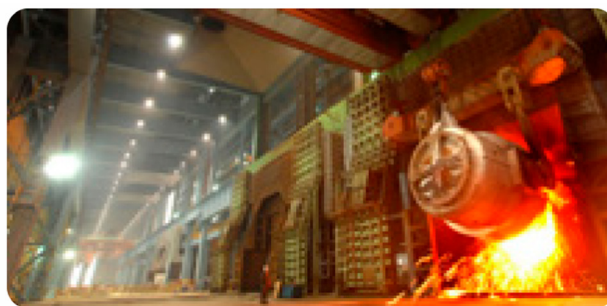
Chemical Industry



Metal Treatment



Oil and Gas Industry



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INSTRUCTIONS FOR ORDERING

Model	Color Temperature (CCT)	Power (W)	Input Voltage (V)	Housing Color	Beam Angle
PQ-HBHEL	035K = 3500K	050W	120V = 100-277VAC	RAL9017 = Black	020D = 20°
	041K = 4000K-4500K	100W		RAL7045 = Grey	030D = 30°
	045K = 4500K	150W		RAL8019 = Bronze	050D = 50°
	051K = 5000K-5500K	200W	347V = 200-480VAC		090D = 90°
	055K = 5500K	300W			110D = 110°
		450W			150D = 150°
					30100D = 30x100°
			60100D = 60x100°		
			13070D = 130x70°		
				70135 = 70x135°	
				75145D = 75x145°	
				60150 = 60x150°	
				73133D = 73x133°	

Options Sensor Type	Options Support
SM = Microwave P = Photocell RC = Remote Control	WB = Wall Bracket HR = Hanging Ring UB180 = 180° U-Bracket UB360 = 360° U-Bracket UB360SF = 360° U-Bracket + Slip Fitter

Catalog Number for Example: PQ-HBHEL-055K-200W-347V-RAL9017-110D-WB

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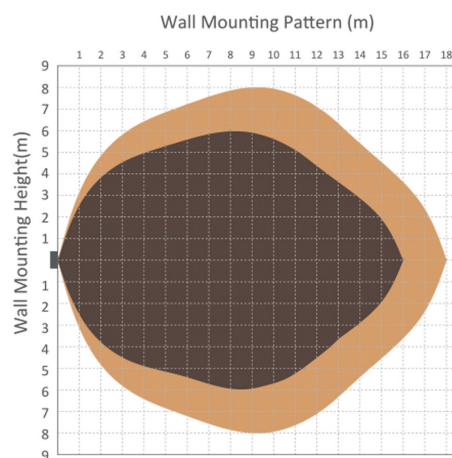
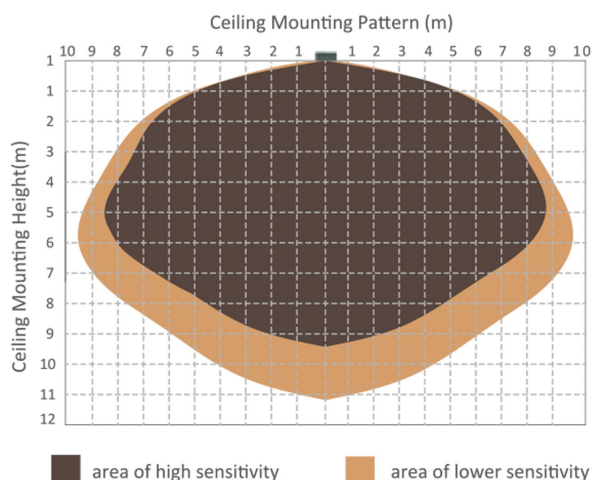
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MICROWAVE SENSOR & DIMMER OPTION



Operating voltage	120-277V	Standby power	approx. a.SW
Switched power	Max.capacitive load: 800W @277V, 400W@120V	Warm time	20s
Detection area	10/50/75/100%, can be customized	Sensor principle	Microwave motion detector
Hold time	55/305/1min/5min/10min/20min/ 30min, can be customized	Microwave frequency	5.8GHz+/-75MHz
Standby period	0s/10s/1min/5min/10min/ 30min/1h /+∞ can be customized	Microwave power	<0.2mw
Standby dimming level	10%/20%/30%/50% can be customized	Detection range	Max. (Φ xH):18m x 10m
Daylight threshold	2-50lux daylight/twilight/darkness, can be customized	Detection angle	30° to 150°
Operating temperature	-35°C to +70°C	Mounting height	Max.lorn
IP rating	IP20, IP65(mounting in Hytronik special box)	Certificate	ETL, FCC

Detection Pattern



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INSTALLATION

For high performance and long term reliability, the light should be installed in free air.



Hanging Ring Mount

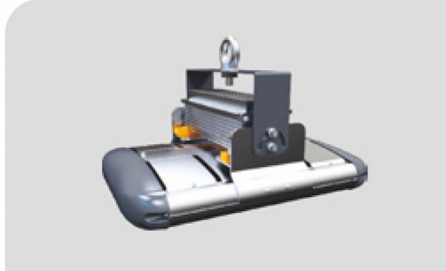
1. Tighten the NUT attached to the hanging ring to ensure the hanging ring is securely connected to the light fixture.
2. Hang the ring to the field supplied by the mounting hook or chain.
3. Wiring. (Connect supply wires to luminaire wire leads per the wiring diagram using methods that comply with all applicable codes.)

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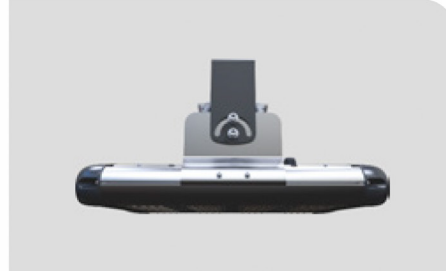
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INSTALLATION

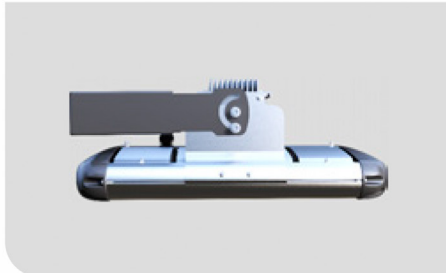
Hanging Ring



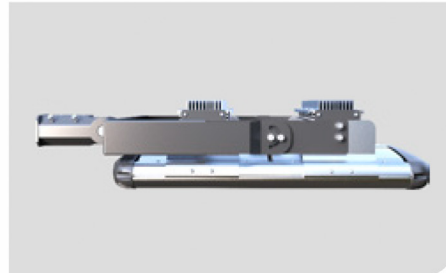
180° U Bracket



360° Heavy Duty
U Bracket



360° Heavy Duty
U Bracket + Slip Fitter



Universal Bracket

1. Rotate the bracket to the desired angle and tighten screw to lock it.
2. Bolt the universal mounting bracket to the field mounting point. Bolt the center point before the two side points. Tighten the bolts to wrench tight.
3. Wiring. (Connect supply wires to luminaire wire leads per the wiring diagram using methods that comply with all applicable codes.)

