



- **200lm/W / 170lm/W**
- **UGR<12 (Min.)**
- **CRI 90 (Max.)**



IX LED LINEAR HIGH BAY
75W/100W/145W
150W/200W/290W
225W/300W/435W

100+ Patent Certificates
\$1,000,000+ Annual Energy Saving
10,000+ Projects Successfully Installed



OVER YEARS 
10 EXPERIENCE
www.aokledlight.com

> Features of IX Series

• IX LED Linear High Bay Light is a Smart efficient LED solution that efficiently illuminates work areas, creating a brighter and better warehouse, retail, or manufacturing environment. With its low glare optical designs and high energy efficiency, this easy-to-install and low-maintenance lighting solution is suitable for a variety of applications.

Features:

- System efficacy up to 200lm/W, from 75W to 145W;
- 4 optical options: 60D (UGR \leq 12)/90D (UGR \leq 18)/120D (UGR \leq 20)/40*70D (UGR \leq 17);
- Linear design with flexible installation;

Application:

- Warehouse, Distribution center, Factory;
- Indoor sports hall;
- Other commercial indoor area applications;

Benefits:

- High energy savings >60% compared to traditional light;
- Fit for different applications with comfort lighting experience;
- IoT is connected. Support gateway group control, maximum of 200 devices simultaneously. Operated through the APP control on/off, dimming, etc., to achieve energy saving.



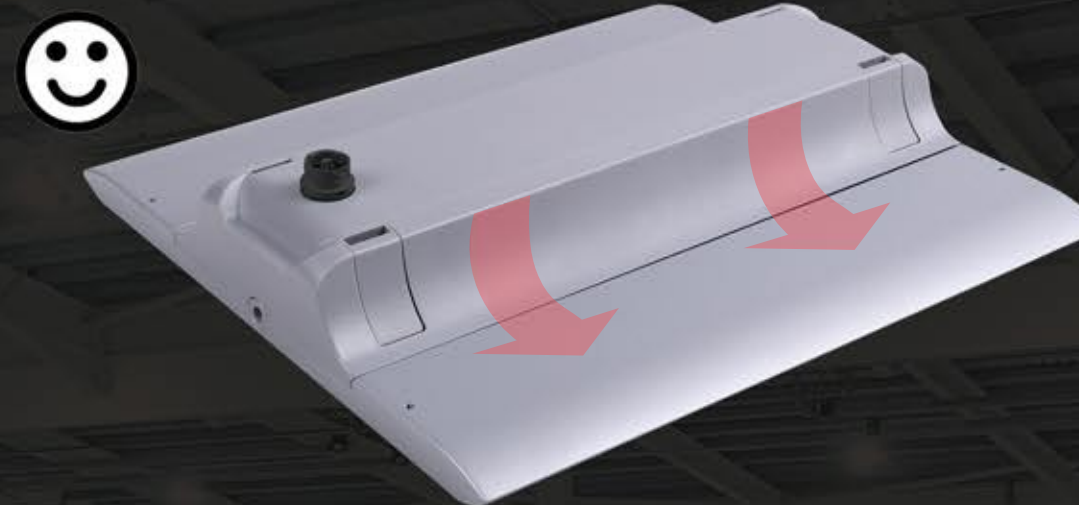
Note: Normal Voltage=100-277VAC, High Voltage=277-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation \geq 240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.



The slick back cover design effectively reduces the dust accumulation on the back.
IP66 rated, dustproof and waterproof.

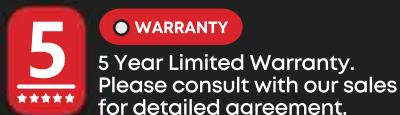


Conventional flat back designs tend to accumulate dust



Smooth design reduces dust accumulation

Illuminate Your Future



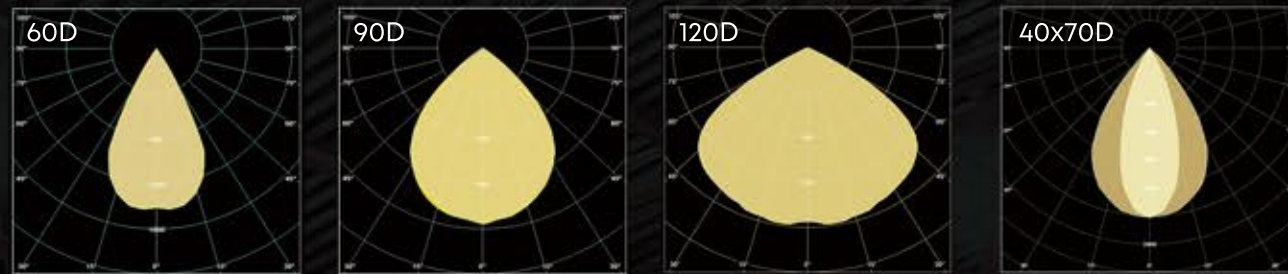
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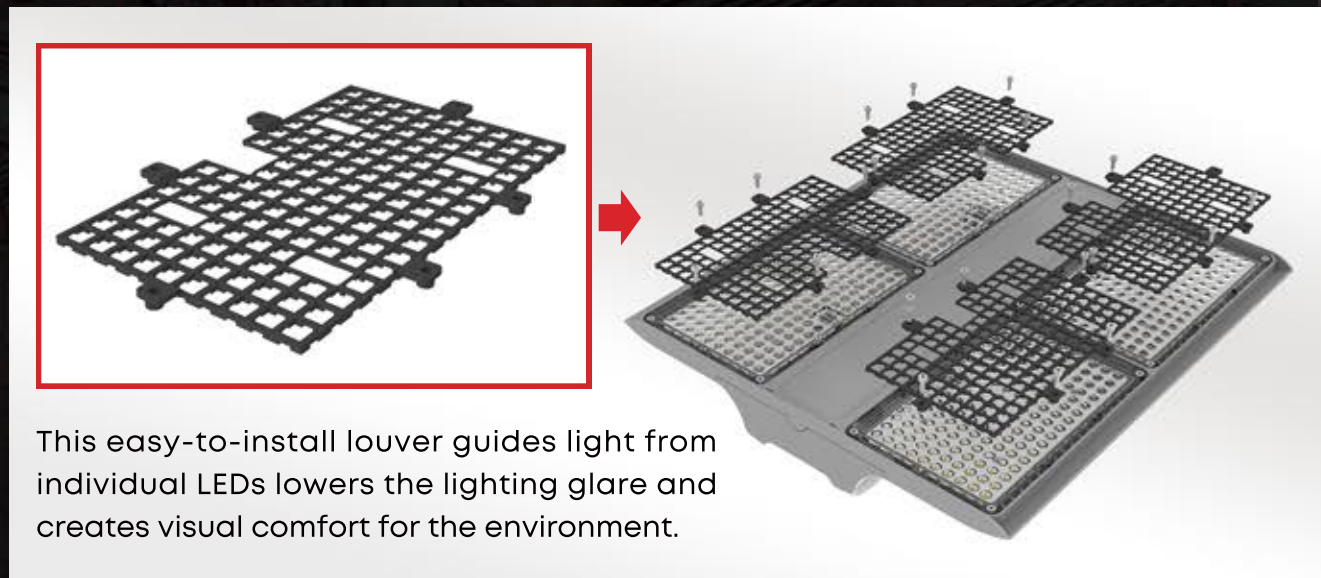


> Photometric Design

Distribution



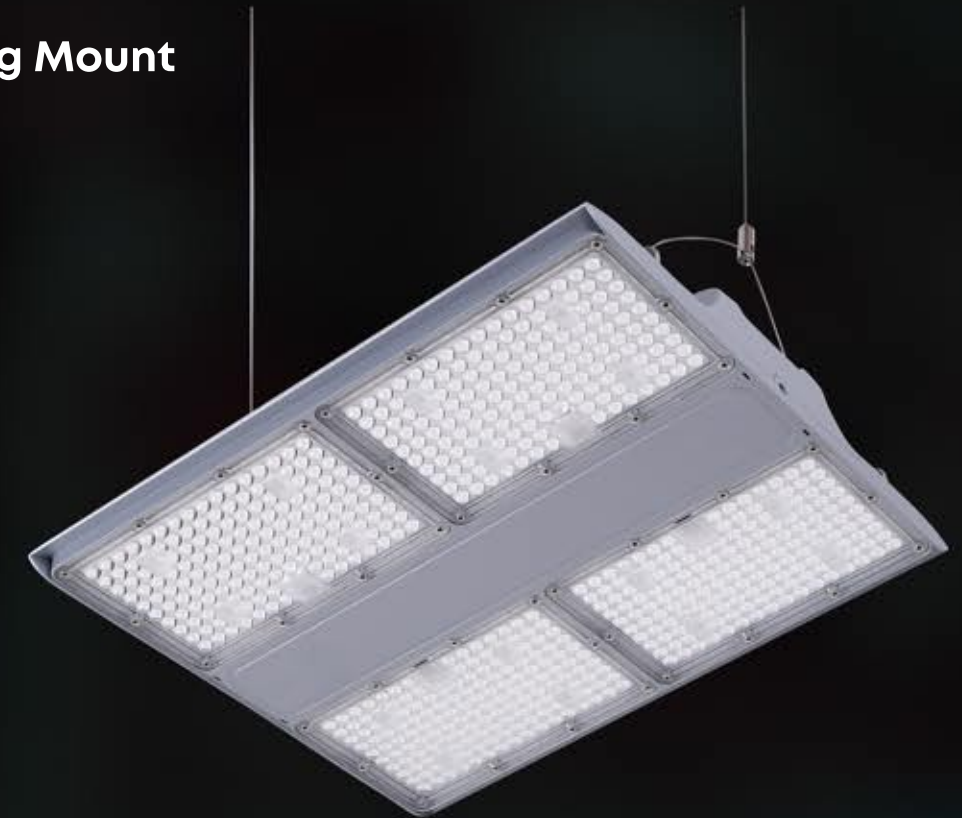
Low Glare Design-Lighting Louver Optional



Use of microprismatic technology and lighting louvers which guides light from individual LEDs. This system gives out homogeneous light with optimum contrast levels, avoiding direct or reflected glare.

> Flexible Installation Options

String Mount

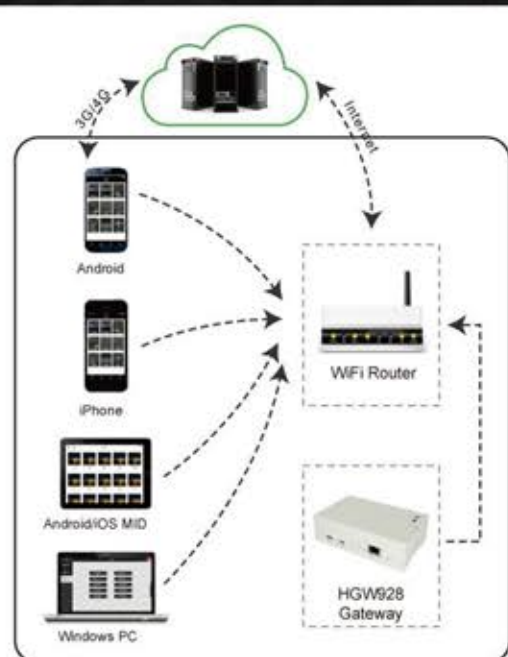


U-bracket Mount

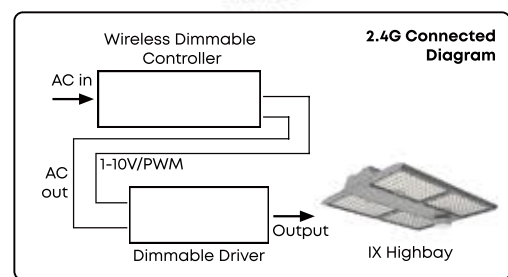


> Smart City Starts with Smart Lighting

ZigBee HA1.2 Ethernet-Zigbee Gateway

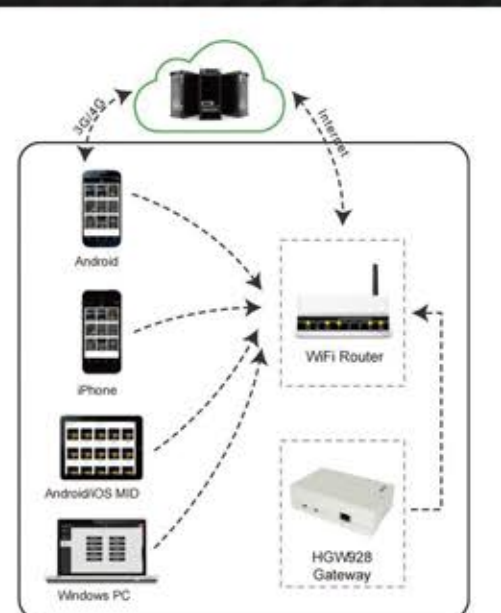


Control



*All zigbee devices connect to gateway by wireless protocol. Mobile APP and Server APP works with gateway to
 a. Control drivers or controllers
 b. Set the sensor parameters or ON/OFF
 c. Bind together with wall switch and drivers
 d. Run schedules
 e. Get all data report

Zigbee Serial Sensors



Control

*Zigbee serial sensors with 12VDC input and 0-10V dimming interface. The sensor works with 0-10V dimming driver. One lamp supports different kind of sensor by Plugin for different applications. Sensor is added in APP by gateway one by one. The sensor can run with zigbee controller or driver without gateway after binding setting done.

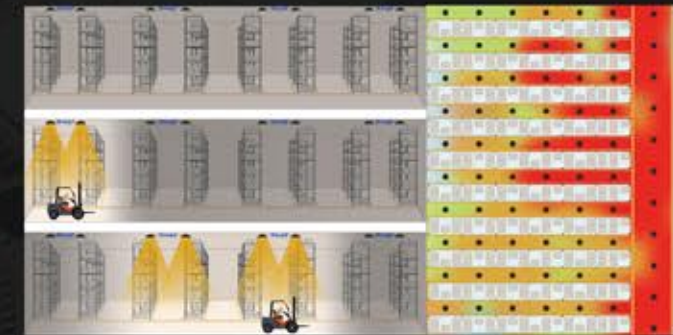
Tuya Bluetooth IoT Smart Platform



*Tuya Smart is a global IoT platform that enables products to connect with IoT with smart control solutions covering Wi-Fi, Bluetooth, Zigbee, or GPRS embedded modules.

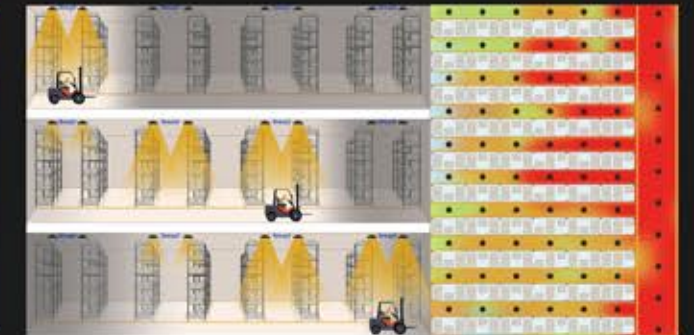
Daylight Sensor+Daylight Sensor Solutions

Motion Sensor (2-step dimming) + Daylight Sensor (disabled)



It applies to indoor environment with only electric light but no/little ambient light. Make the binding between the motion sensor, light group. Click 0s for Waiting Level Time. Set Background Level and Target Level Time. Turn on motion sensor.

Motion Sensor (3-step dimming) + Daylight Sensor (disabled)



It applies to indoor environment with only electric light but no/little ambient light. Make the binding between the motion sensor, light group. Set Waiting Level and Background Level. Set Waiting Level Time and Target Level Time. Turn on motion sensor.

Motion (2-step dimming) + Daylight Sensor (constant illuminance)



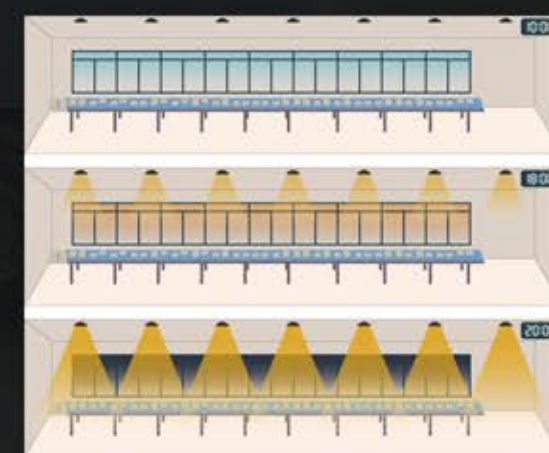
It applies to indoor environment with a combination of ambient light (daylight coming through the windows) and electric light provided by overhead lighting. Put a lux meter under the electric lighting, on the height where it's required to measure both the ambient light and electric light. Make the binding among the motion sensor, light group and daylight sensor. Adjust the electric lighting brightness to reach the target lux level on the lux meter, save it as a target value, Click 0s for Waiting Level Time. Set Background Level and Target level Time. Turn on motion sensor and daylight sensor. All steps is operated in APP.

Motion (3-step dimming) + Daylight Sensor (constant illuminance)



It applies to indoor environment with a combination of ambient light (daylight coming through the windows) and electric light provided by overhead lighting. Put a lux meter under the electric lighting, on the height where it's required to measure both the ambient light and electric light. Make the binding among the motion sensor, light group and daylight sensor. Adjust the electric lighting brightness to reach the target lux level on the lux meter, save it as a target value. Set Waiting Level and Background Level. Set Waiting Level Time and Target Level Time. Turn on motion sensor and daylight sensor.

Daylight Sensor (constant illuminance)



It applies to indoor environment with a combination of ambient light (daylight coming through the windows) and electric light provided by overhead lighting, whereas no motion sensor control is required. Put a lux meter under the electric lighting, on the height where it's required to measure both the ambient light and electric light. Make the binding between light group and daylight sensor. Adjust the electric lighting brightness to reach the target lux level on the lux meter, save it as a target value and turn on daylight sensor.

> Application Reference

- Factory
- Warehouse
- Supermarket
- Other commercial indoor area application

Buckle design, easy to replace the power supply



If the power supply needs to be replaced, the steps are as follows :

- (1) remove the back cover;
- (2) replace the new power supply (the power supply is fixed on the back cover), and connect the wire;
- (3) install the back cover back to the radiator (only need to press the back cover down to clamp the back cover on the radiator).

Parameter Table

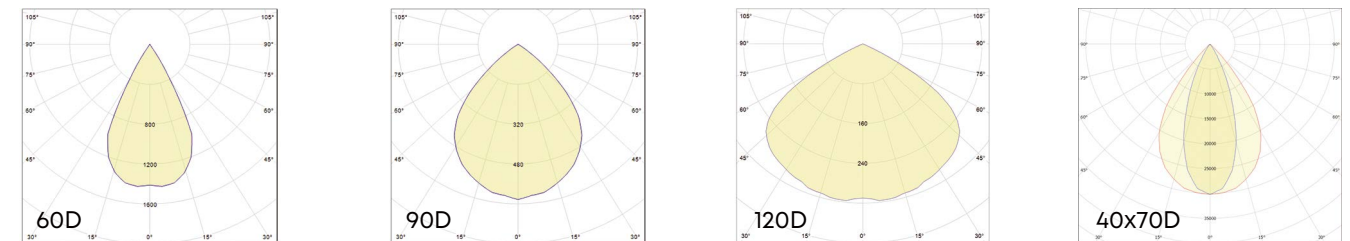
Electrical Data			
Model	AOK-75WiX	AOK-100WiX	AOK-145WiX
Power(W)	75W	100W	145W
Input voltage	Normal Voltage=100-277VAC, High Voltage=277-480VAC, please read *Note-1 before choosing.		
Control option	DALI Dimming, Zhaga, Daylight Sensor, Microwave Motion Sensor, PIR Motion Sensor, 0-10V/PWM/Timer Dimming		
Operating temperature	-40°C~+50°C (-40°F~+122°F)		
Driver	Inventronics-EUM		
Power Factor (PF)	≥0.99 (120Vac)		
Driver Efficiency	≥0.89	≥0.91	≥0.915
Maximum Current	AC0.83A (max)	AC1.1 (max)	AC1.6A (max)
Protection class	Safety class I		
Photometric Data			
Efficacy (@5000K/Ra70, Std. Dev ±3%)60/90/120D	200lm/W	200lm/W	200lm/W
Luminous flux (60/90/120D, Std. Dev ±3%)	15000lm	20000lm	29000lm
Efficacy (all@5000K/Ra80, Std. Dev ±3%)	170lm/W	170lm/W	170lm/W
Luminous flux (all, Std. Dev ±3%)	12750lm	17000lm	24650lm
Efficacy (@5000K/Ra80, Std. Dev ±3%)	40*70D	165lm/W	165lm/W
Luminous flux (Std Dev ±3%)	40*70D	12375lm	16500lm
Efficacy, with louver (@5000K/Ra80, Std. Dev. ±3%)	60D	120lm/W	120lm/W
	90D	110lm/W	110lm/W
	120D	100lm/W	100lm/W
Luminous flux, with louver (@5000K/Ra80, Std. Dev. ±3%)	60D	9000lm	12000lm
	90D	8250lm	11000lm
	120D	7500lm	10000lm
CCT	3000K, 4000K, 5000K, 5700K, 6500K		
CRI	Ra70, Ra80, Ra90 optional		
Beam angle	60°/90°/120°/40°*70°		
LED model	LUMILEDS 2835		
Working current of single LED	13mA	17mA	17mA
Lens and cover	Polycarbonate (Better impact resistance than glass)		
UGR (Room dimension: X=4H, Y=8H, reflectances: 70/50/20%)	60D	≤15	≤16
	90D	≤21	≤22
	120D	≤25	≤27
	40*70D	≤19	≤22
UGR with louver (Room dimension: X=4H, Y=8H, reflectances: 70/50/20%)	60D	≤12	≤13
	90D	≤18	≤19
	120D	≤20	≤21
Lifespan (100mA, Ts=55C)	L90B50-49000 h, L80B50-101000 h, L70B50-159000 h		
	L90B50-49000 h, L80B50-101000 h, L70B50-159000 h		
	L90B50-49000 h, L80B50-101000 h, L70B50-159000 h		
Mechanical Data			
IP	IP66		
IK	IK10		
Housing/Materials	Heavy-duty die-cast aluminum (EN AC-46100)		
Surface treatment	Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).		
Painting	RAL 9006 Silver gray/Custom request		
Cable	Pre-wired with a 80 cm cable (Other lengths on request)		
Others			
Mounting	String Mount / U-bracket Mount		
Warranty	5 years		
Certification	RoHS/CE		
Product size	380*340*62mm (14.96*13.39*2.44 inches)		
Net weight	3.4kg (7.5 lbs)		
Carton size (U-bracket/String)	450*430*150mm (17.72*16.93*5.91 inches) /440*400*140mm (17.32*15.75*5.51 inches)		
Gross weight	4.5kg (9.92 lbs)		
Application field	Factory, warehouse, supermarket and other commercial indoor area application		

* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

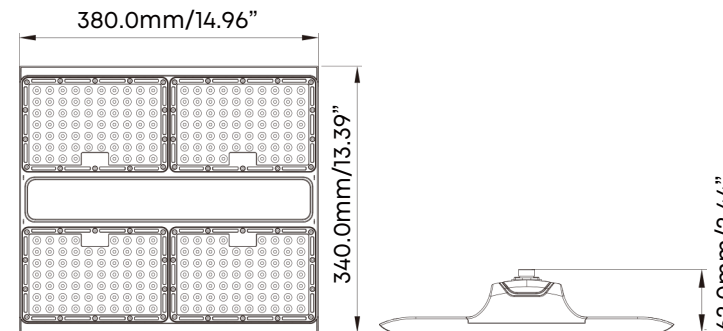
Ordering Information

AOK-							
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	COLOR
75WiX	NV=100-277V	L2=LUMILEDS 2835	00=NONE	3070=3000K 70CRI	60=60D	S=String mount	SG=Silver gray
100WiX	HV=277-480V		DV=Dimmable	3080=3000K 80CRI	90=90D	U=U-bracket	Custom request
145WiX			DALI=DALI	4070=4000K 70CRI	120=120D		
			Zhaga=Zhaga	4080=4000K 80CRI	4070=40°*70D		
			SN=Motion Sensor	5070=5000K 70CRI			
			MS=Microwave Sensor	5080=5000K 80CRI			
			PIR=PIR Sensor	5770=5700K 70CRI			
				5780=5700K 80CRI			
				6570=6500K 70CRI			
				6580=6500K 80CRI			

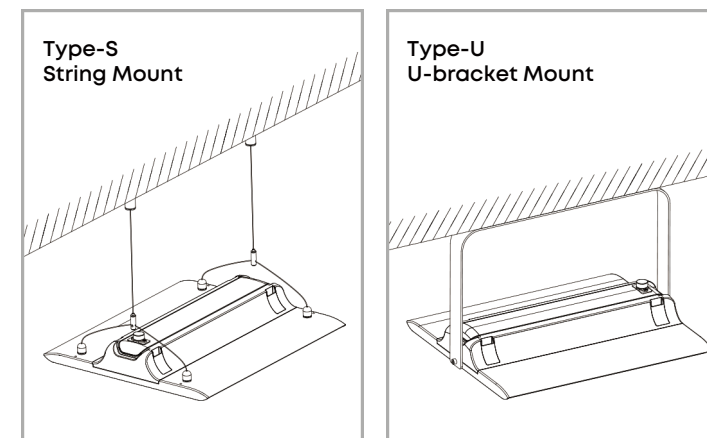
Photometrics



Dimension



Mounting



Combinable Mount

> Single mounting (75W-145W)



> Double mounting (150W-290W)



> Triple mounting (225W-435W)



IX Series Specification Sheet

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

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Illuminate Your Future



● WARRANTY

5 Year Limited Warranty,
Warranty extension on request.
Please consult with our sales for detailed agreement.

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