

# **SERIES 7**

## **PRODUCT CATALOG**

2023



[BIGSHINELED.COM](http://BIGSHINELED.COM)



# TABLE OF CONTENTS

## Featured Luminaries

<b>04</b>	About Us
<b>07</b>	Product Reliability
<b>08</b>	Introduction to Our Series 7 Product Line
<b>09</b>	Bollard Luminaire: B07
<b>13</b>	Stadium Lighting: IC7
<b>18</b>	RGBW Lighting: Nebula 7
<b>23</b>	Flood Light: Pandora 7
<b>27</b>	Landscape Lighting: PT7
<b>31</b>	Area Light: Sagitta X7
<b>35</b>	High Bay: TK7
<b>39</b>	High Bay: XT7
<b>43</b>	High Bay: SK7
<b>45</b>	High Temperature High Bay: Blue 7



UNITED STATES OF AMERICA

## **BIG SHINE'S GLOBAL PRESENCE**

Big Shine Worldwide, Inc. began as a technology company with a focus on semiconductors. Just as semiconductors have evolved and are now an integral part of today's technology, we leverage our semiconductor foundation and expertise to provide clients with the highest-energy efficiency and clean energy technology for the modern age.



CHINA

INDIA

DUBAI

MALAYSIA

SINGAPORE

TAIWAN

SOUTH KOREA

NORTH KOREA

JAPAN

AUSTRALIA

NEW ZEALAND

# About Us

Big Shine LED is an LED lighting manufacturer that operates as a subsidiary of Big Shine Worldwide, a technology company. We take pride in our global manufacturing centers that ensure a seamless continuity of supply.

Our team of lighting engineers design top-tier LED lighting fixtures featuring premium components that meet international certifications.

At Big Shine LED, we promise to provide excellent service while pushing the boundaries of the LED revolution.

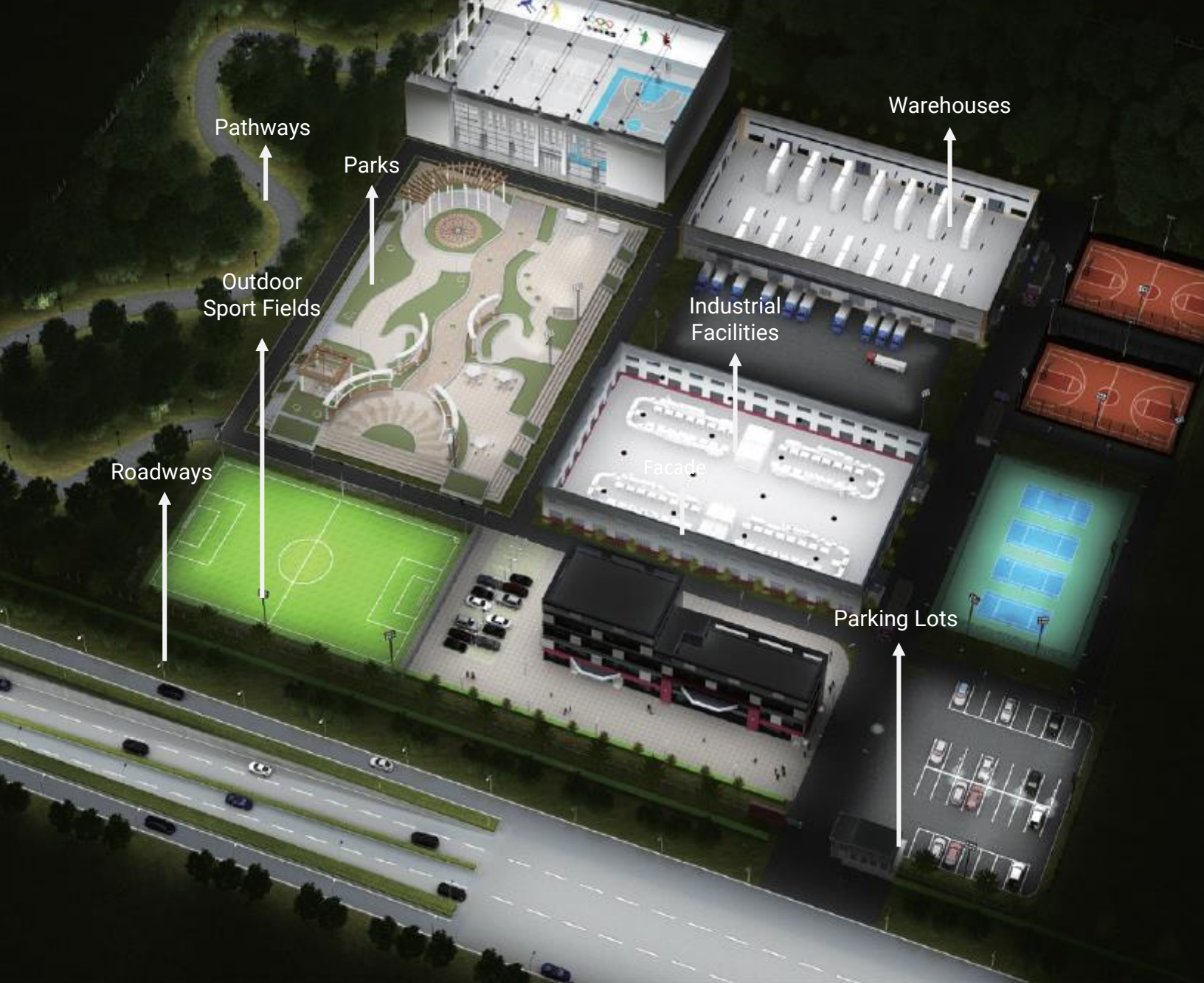


# Product Reliability

Big Shine LED is a manufacturer of LED lights designed for industrial and commercial applications. Our production process places significant emphasis on quality control, ensuring that LED fixtures undergo rigorous testing to guarantee top-notch quality.

Quality control in LED light fixture manufacturing typically involves various processes such as material inspection, component testing, assembly line inspections, and final product testing. The LED chips, drivers, power supplies, and other components are thoroughly checked to ensure they are functioning correctly and meeting the necessary specifications. The finished product is then put through a battery of tests to ensure that it meets all the necessary quality standards.

3G Vibration Test | IP Test | Wind Resistance Test | Load Test | Integrating Sphere | Touch Current Test | Oscilloscope | Aging Test | IES Test | AC/DC Power Source | Safety Test



# Series 7

The Series 7 LED luminaire range is a versatile solution designed to cater to various applications and offer companies energy-efficient options. With the end-user in mind, the luminaires have been developed to ensure comfort, durability, and superior performance. As part of Big Shine LED's engineered solutions, the Series 7 is among several lines of LED lights available to all your concerns – whether it's energy efficiency or health and safety.

At Big Shine LED, our team of lighting designers will aid you in selecting the suitable lighting for your facility. Our group of experts will consider IES standards, energy code compliance, and the ambiance necessary for your staff to perform at its best.

Contact us today to consult with a team of lighting designers who can help you choose the appropriate lighting for your facility.



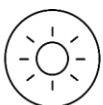


red**dot** winner 2022



# B07 Bollard 7

This LED bollard fixture boasts a modern and elegant design and is available in two wattage options to provide flexibility in lighting needs.



15W/25W



100 lm/w



IP66



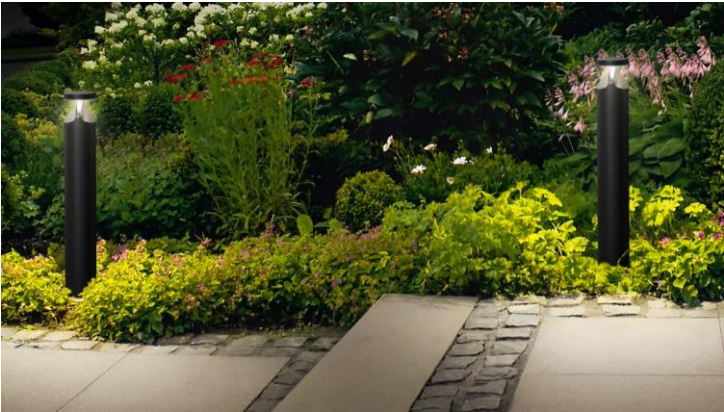
IK10

# Unique Curved Design

Introducing the award-winning LED Bollard – the perfect combination of style and function. This bollard has been designed with a sleek and modern look that will enhance the aesthetics of any outdoor space. With no exposed screws, this light offers a clean and polished finish that will add to the overall elegance of your landscaping.



With its robust IK10 die-cast aluminum body and versatile optics, the Bollard 7 illuminates walking areas with just the right amount of comfortable light.





## Smart Control Energy Efficient Choice

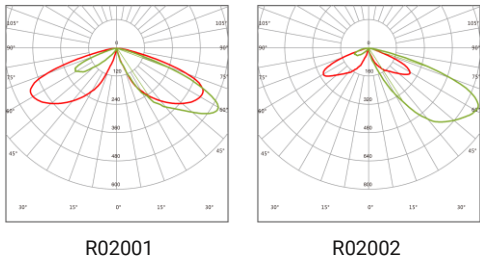
The bollard light is equipped with a photocell that smartly detects the ambient lux level and turns up the light accordingly. Additionally, the built-in PIR sensor detects passerby movements, allowing for convenient on/off switching and dimming.



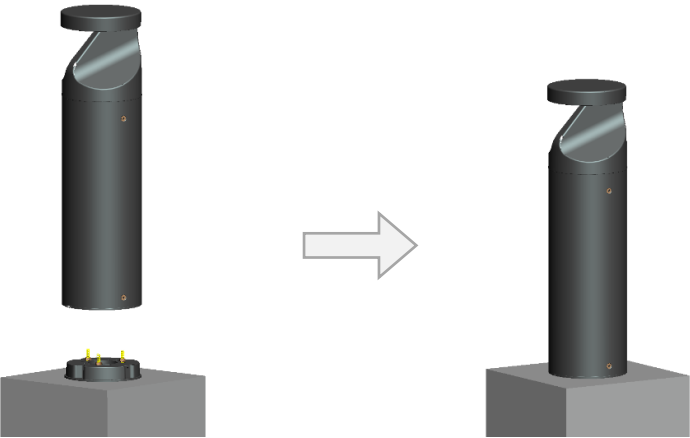
# B07 Product Specifications

Model No.	B07-015	B07-025
Power Consumption (±5%)	15W	25W
Input Voltage	100-277VAC, 50 / 60 Hz	
Control	PIR sensor, Photocell	
Luminous Flux (±10%)	1500lm	2500lm
Efficacy (4000K Ra70)	100lm/W	
CCT, CRI	3000K, 4000K, 5000K Ra80	
Beam Angle	R02001 (Type V), R02002 (Type IV)	
Protection Ratings	IP66, IK10	
Operating Temperature Range	-4°F to 113°F	
Warranty	5 years	

## Photometric Diagrams



## Mounting Options



Mounting kit with anchor bolts



# IC7

Modular Designed LED Flood Light

200W, 400W, 600W, 800W, 1200W



IP66



IK08



1-10V



10-20KV



# Structure

## Good heat dissipation

Installing the drivers in an external driver box, which is separate from the LED module, results in improved air convection.

## Modular design

Simple to adjust and maintain.

## Double protection

The tempered glass protects the lens, ensuring that it does not turn yellow and has a longer lifespan.



## Adjustable bracket

Luminaire can be adjusted by 180°.

## Die-cast heat sink

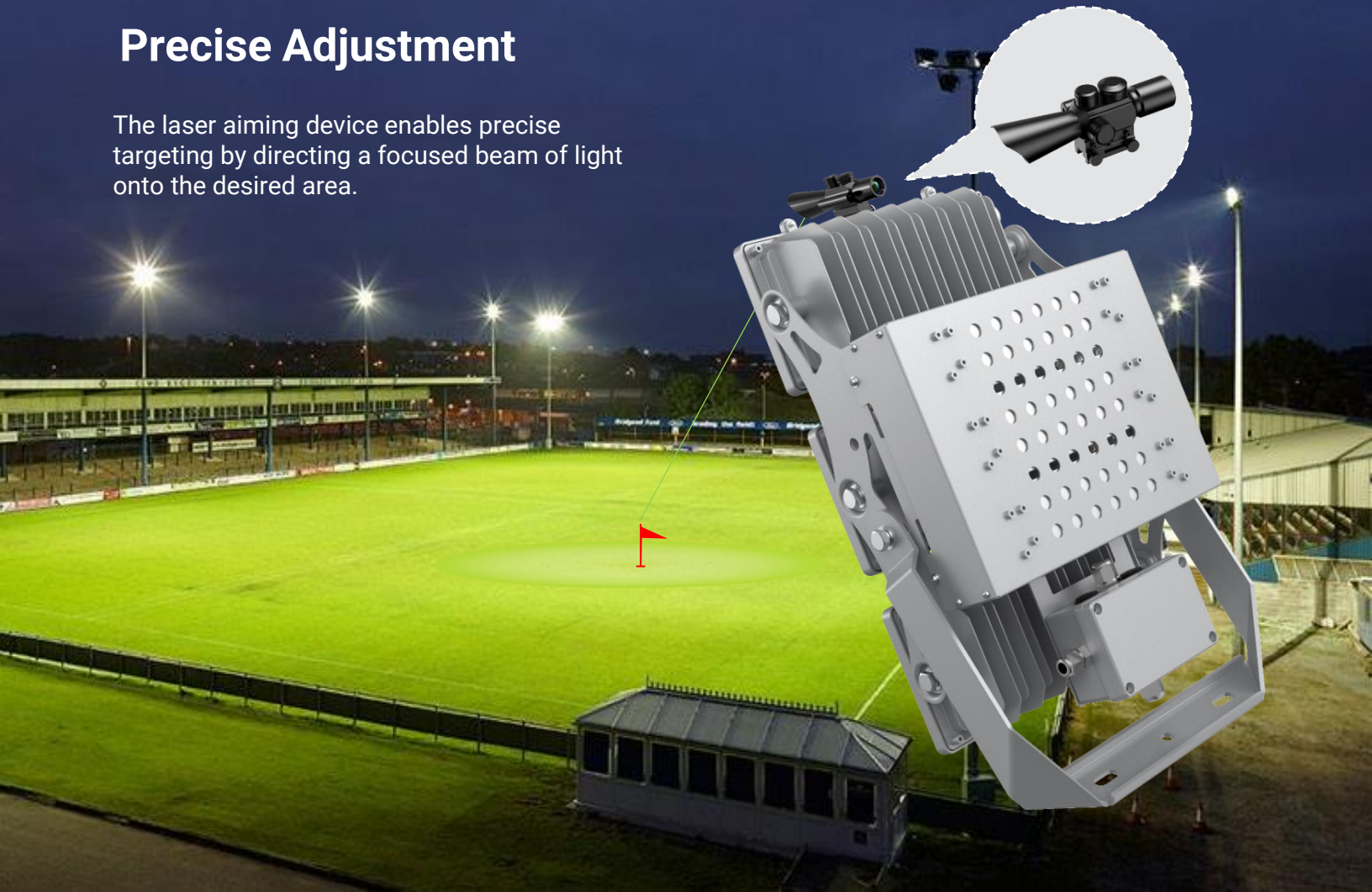
The compact housing, which has been coated with AkzoNobel powder, exhibits excellent anti-corrosion performance.

## Optic lens

The light transmittance can reach up to 93%, with the flexibility to choose from nine different optics.

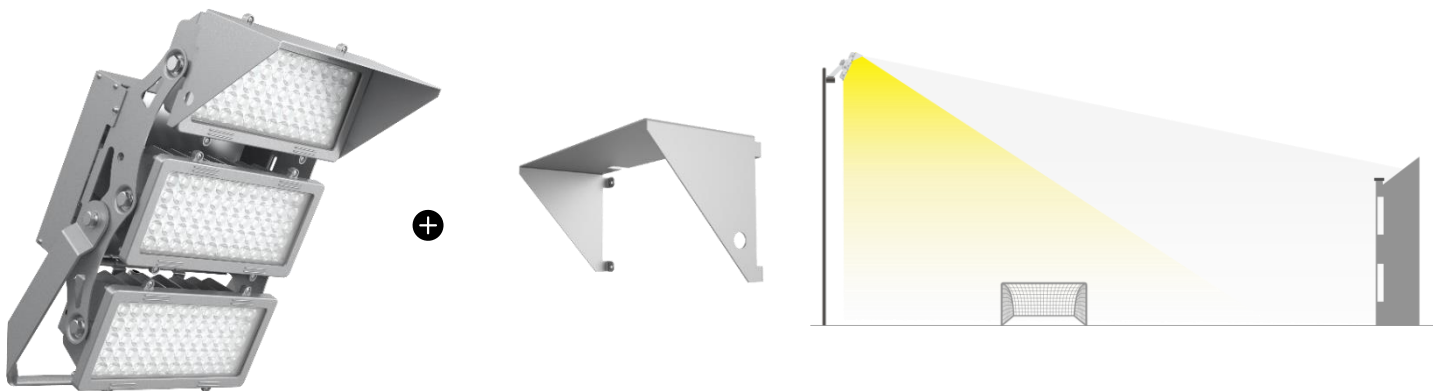
## Precise Adjustment

The laser aiming device enables precise targeting by directing a focused beam of light onto the desired area.



## Light Pollution Control

Our IC7 features a precise optical system that directs light onto designated areas, minimizing light loss. Additionally, a shield can be added as needed.



## Cable Protection

A bird-proof sleeve is utilized to provide improved protection for exposed cables.



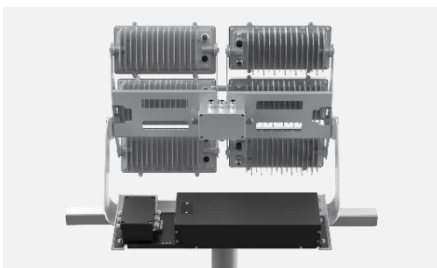
# IC7 Mounting

## Easy Installation and Adjustment

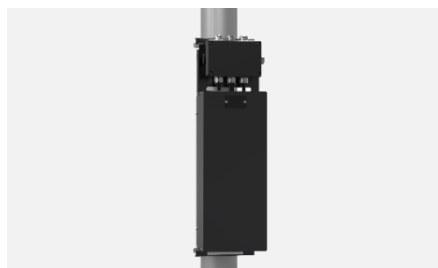
The bracket is designed to be easily installed and adjusted with its bendable and angle-adjustable features.



## Mounting Options for the 800W and 1200W



Driver box on bracket



Remote driver box on pole



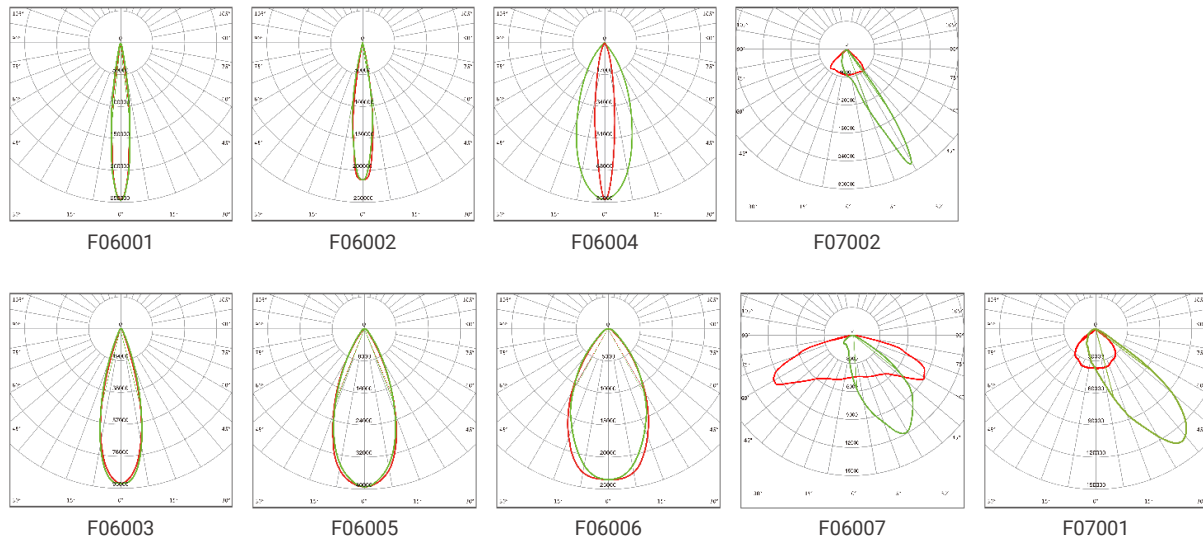
Remote driver inside cabinet



# IC7 Product Specifications

Model No.	IC7-200	IC7-400	IC7-600	IC7-800	IC7-1200
Power Consumption (±5%)	200W	400W	600W	800W	1200W
Input Voltage	100-277/277-480 VAC, 50 / 60 Hz				
Control	1-10V dimmable, DMX control				
Luminous Flux (125lm/W)	25000lm	50000lm	75000lm	100000lm	150000lm
Luminous Flux (140lm/W)	28000lm	56000lm	84000lm	112000lm	168000lm
Efficacy (5000K Ra70)	125lm/W or 135lm/W				
CCT, CRI	3000K, 4000K, 5000K, 5700K Ra70 (Ra80 optional)				
Beam Angle	125lm/W: F06001, F06002, F06004, F07002 135lm/W: F06003, F06005, F06006, F06007, F07001				
Protection Ratings	IP66, IK08				
Operating Temperature Range	-22°F to 122°F				
Warranty	5 years				

## Photometric Diagrams



## Mounting Options



U-Bracket mounting



# NE7 Nebula 7

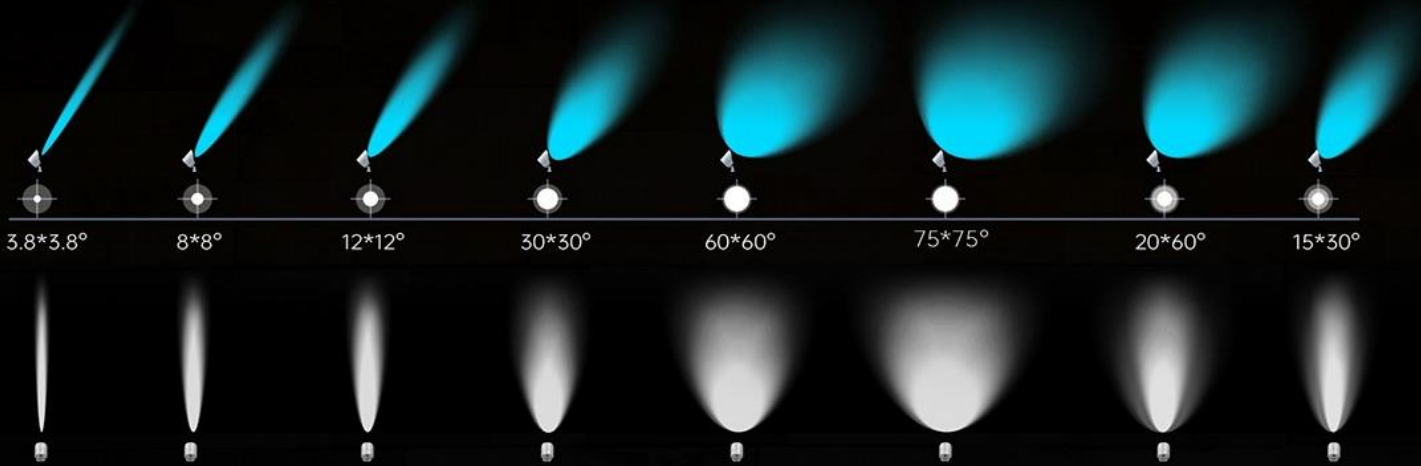
## LED Floodlight

The NE7 boasts a distinctive and sleek design with intricate details that showcase its high-end quality, providing a comfortable visual experience. It offers up to 15,000 lumens across eight different optics. And with a wide range of accessories available, the NE7 is sure to make a statement in your lighting scheme.

-  IP66
-  IK08
-  0-10V
-  DMX-512
-  RGB
-  RGBW
-  Tunable White 2200K-4000K

# Multiple & Precise Optics

NE7 offers a versatile lighting solution with multiple mounting options, allowing for a variety of lighting scenarios ranging from very narrow to wide. Its clean and precise beam delivers exceptional visual comfort.

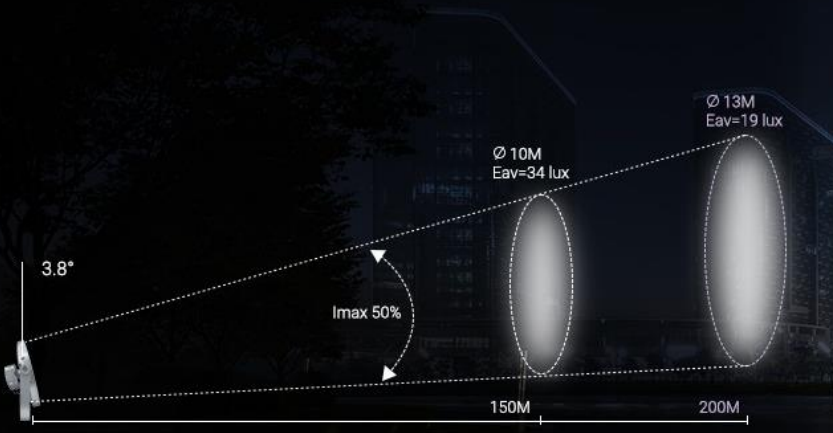
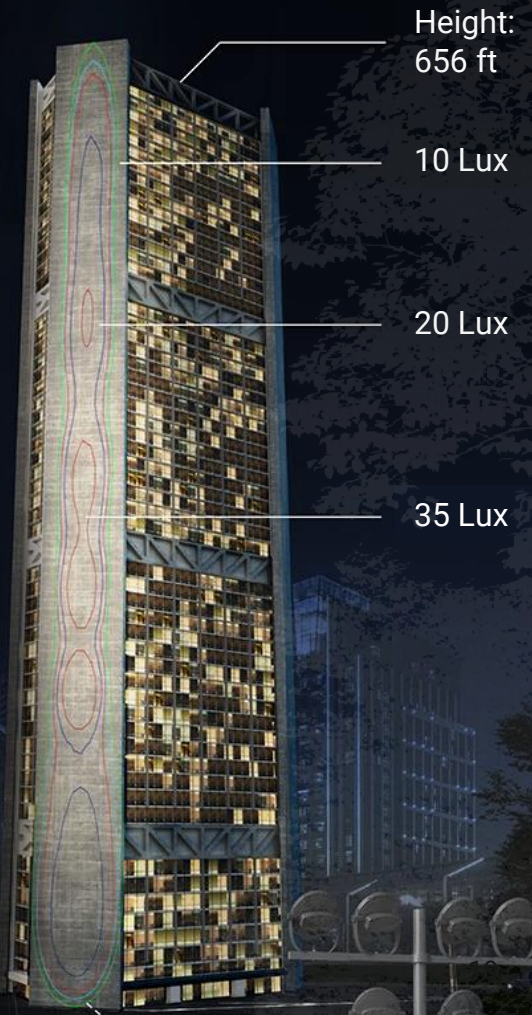


**70**  
lm/W



**100**  
lm/W

The 3.8° sharp beam angle has the capability to illuminate very far distances – up to 656 feet (200 meters).



# Available with White, RGB or RGBW Diodes to Enhance the Ambiance in Any Environment

## Single White



2200K



3000K



4000K



5000K

## Tunable White

Utilizing lighting control modules enables us to achieve a smooth temperature gradient without any color distortion through gradual tuning.

### Basic LED Reference Example



## RGB and RGBW

The RGB and RGBW versions of the product add a dynamic chromatic element to any nighttime scene.



# Accessories



Shield for the 35W option



Suitable for pipeline installation



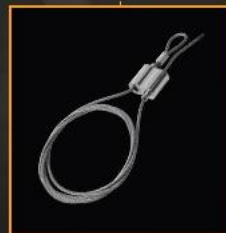
Shield for the 150W option



Ground spike for the 35W option



DMX termination resistor



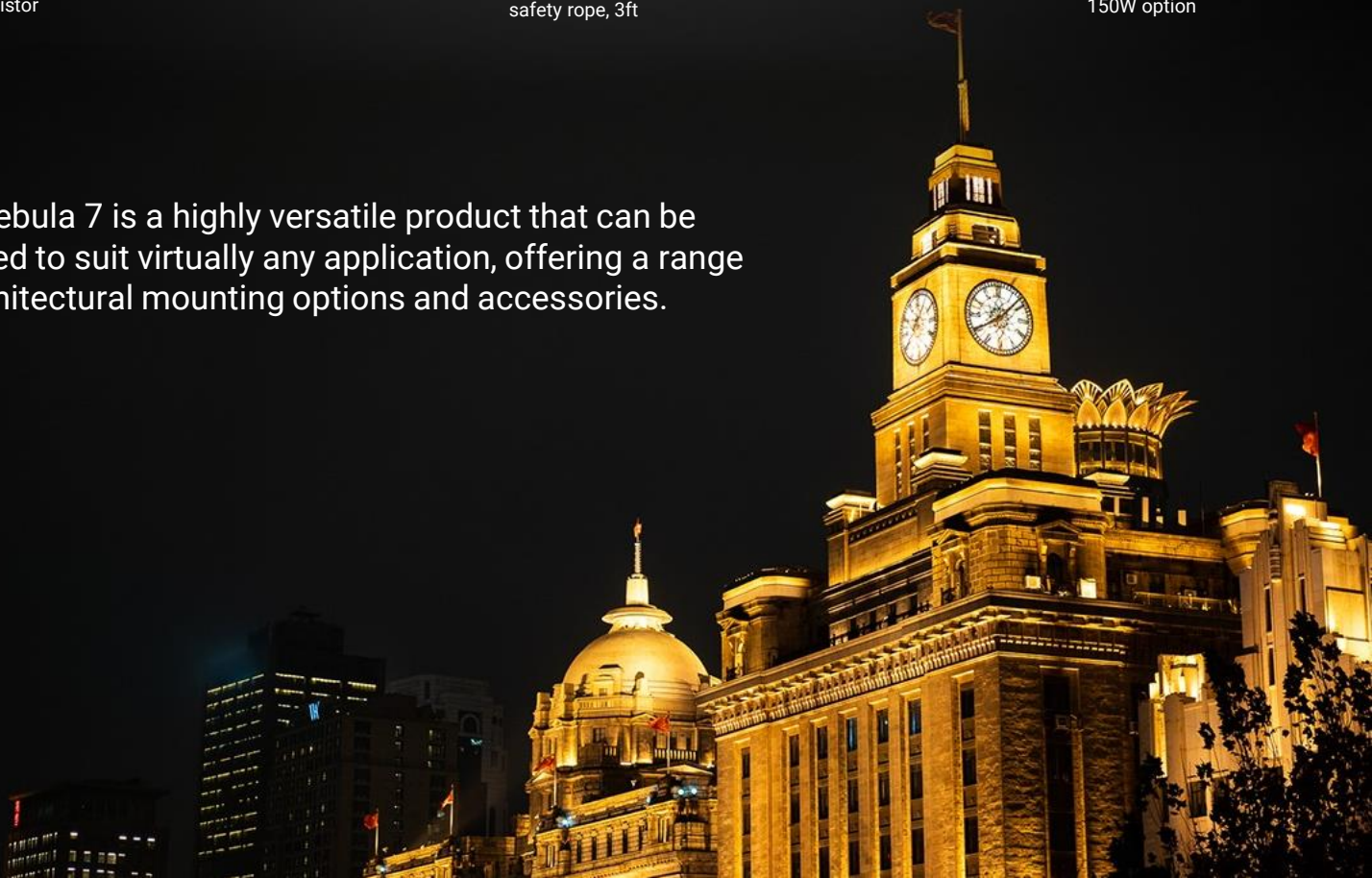
Stainless steel safety rope, 3ft



Ground spike for the 150W option



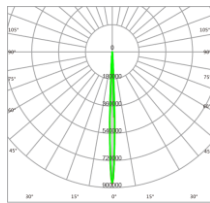
The Nebula 7 is a highly versatile product that can be adapted to suit virtually any application, offering a range of architectural mounting options and accessories.



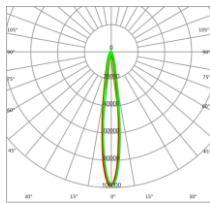
# Nebula 7 (NE7) Product Specifications

Model No.	NE7-035	NE7-100	NE7-150
Power Consumption (±5%)	35W±5	100W±5	150W±8
Power Supply	SOSEN/MOSO/CZCL		
Input Voltage	AC 100-277VAC, 50Hz, 60Hz		
Surge Protection	SOSEN: 10kV line-earth, 6kV line-line / MOSO: 10kV line-earth, 5kV line-line CZCL: 6kV line-earth, 4kV line-line		
Control	Microwave sensor, PIR sensor, 0-10V dimmable		
Luminous Flux (±10%)	3500lm, 2450lm (with honeycomb film)	10000lm, 7000lm (with honeycomb film)	15000lm, 10500lm (with honeycomb film)
Efficacy (4000K Ra80)	100lm/W, 70lm/W (with honeycomb film)		
CCT	4000K (2200K, 3000K, 5000K optional)/RGB/RGBW/CCT adjustable(2200K-4000K)		
Beam Angle	F00110/F00118/F00111/F00113/F00114/F00115/F00116/F00117		
Protection Ratings	IP66, IK08		
Operating Temperature Range	-22°F to 122°F		
Warranty	5 Years		

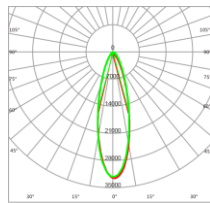
## Photometric Diagrams



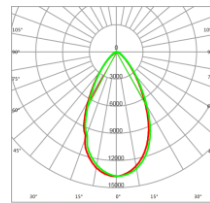
F00110



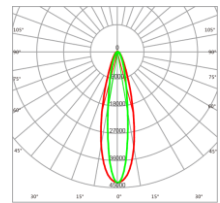
F00111



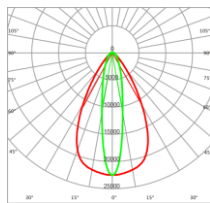
F00113



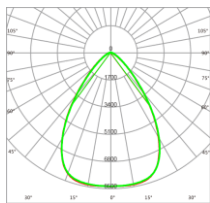
F00114



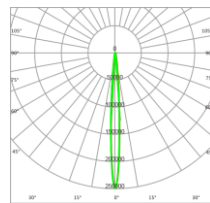
F00115



F00116



F00117



F00118

## Mounting Options



Base mounting



U-Bracket mounting



Embrace hoop mounting



Ground spike mounting



# PD7 Pandora 7

The Pandora 7 floodlight was created with versatility in mind, offering wattage options ranging from 75W to 300W, three different installation methods, and the ability to adjust CCT and power. These features make it the ideal choice for a wide range of general-purpose applications.



130lm/W



0-10V



IK08



-22°F~122°F



5-year warranty



IP65

# 75W-300W with Three Different Mounting Options



U-Bracket Mount



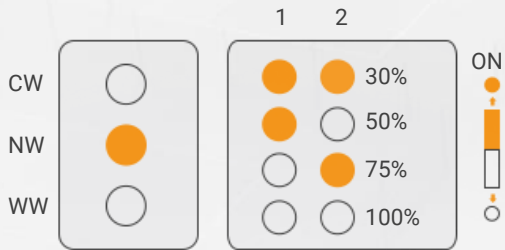
Knuckle Mount



Slip-fitter Mount



# Three CCT & Four Power Adjustability Options



Lens + Tempered Glass

Optional Photocell

Heat Sink

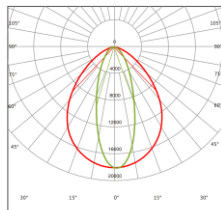


Creating different spaces for the LED modules and the driver helps to optimize heat management, which, in turn, improves the lifespan of the fixture.

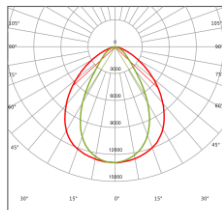
# Pandora 7 (PD7) Product Specifications

Model No.	PD7-075	PD7-100	PD7-120	PD7-150	PD7-200	PD7-240	PD7-300
Power Consumption (±5%)	75W	100W	120W	150W	200W	240W	300W
Input Voltage	AC100-277 VAC, 50Hz, 60Hz						
Control	Dimmable and Non-dimmable						
Luminous Flux (±10%)	11250lm	15000lm	18000lm	22500lm	30000lm	36000lm	45000lm
Efficacy (4000K RA70)	150lm/W						
CCT, CRI	3000K, 4000K, 5000K Adjustable; Ra70 (Ra80 optional)						
Beam Angle	F00402 (7HX5V), F00403 (7HX6V)						
Protection Ratings	IP66, IK08						
Operating Temperature Range	-22°F to 122°F						
Warranty	5 years						

## Photometric Diagrams



F00402



F00403

## Mounting Options



U-Bracket Mount



U-Bracket Mount



Knuckle Mount



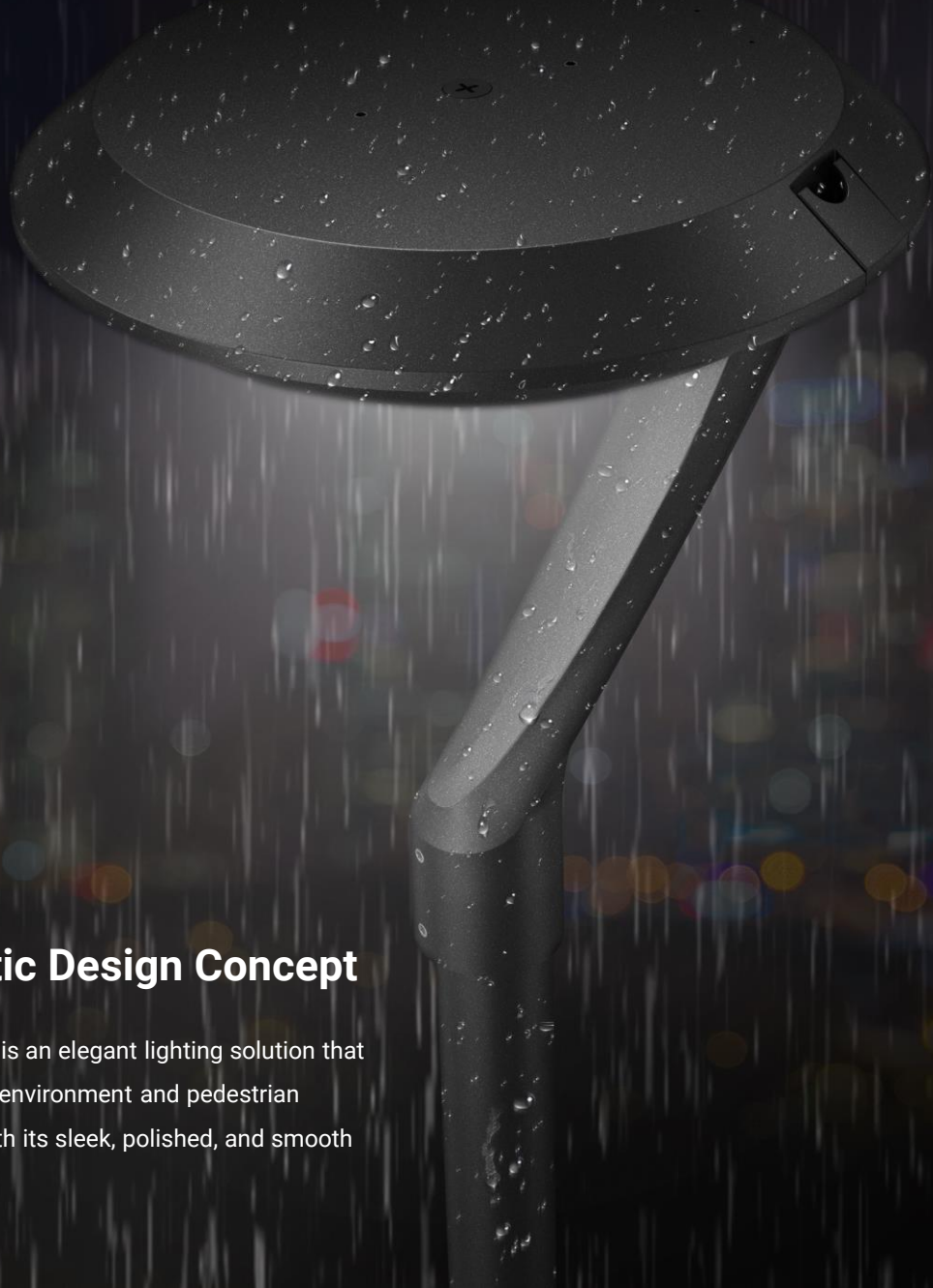
Knuckle Mount



Slip fitter Mount



Slip fitter Mount



## Aesthetic Design Concept

PT7 Post Top is an elegant lighting solution that enhances the environment and pedestrian experience with its sleek, polished, and smooth housing.

Five-Way Field Adjustable



# PT7

Post Top

150  
Lm/w

0-10V

IP66

IK08

5  
YEARS  
WARRANTY

EASY CLEAN

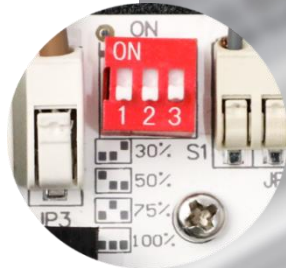
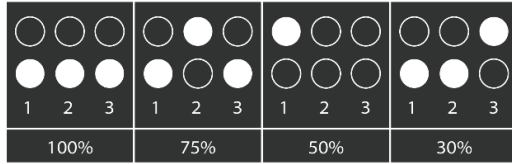
CORROSION  
RESISTANCE

# Field Adjustable

Experience different options without having to change fixtures.

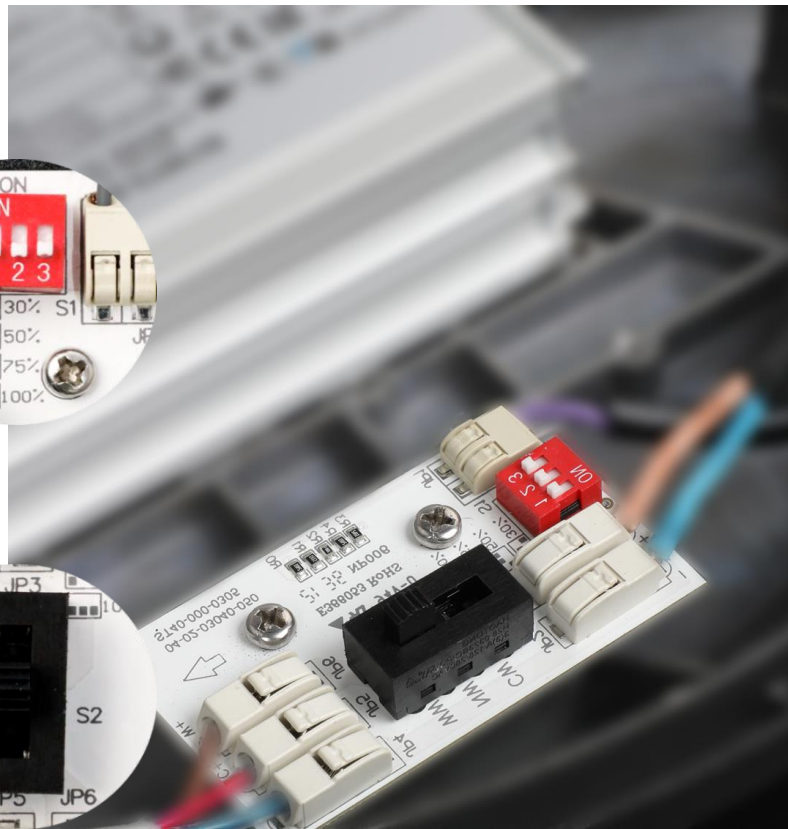
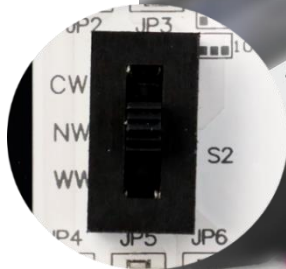
## Power Adjustable

Adjustable to 100%, 75%, 50%, or 30%



## CCT Adjustable

Adjustable to 3000K, 4000K, or 5000K



# Eight Mounting Options

Garage/Canopy Light Mounting Options



Conduit Mount



Surface Mount

Post Top Mounting Options



Dual Arm Mount



Single-Arm Mount



Pole Mount



Gooseneck Mount



Straight-arm Mount

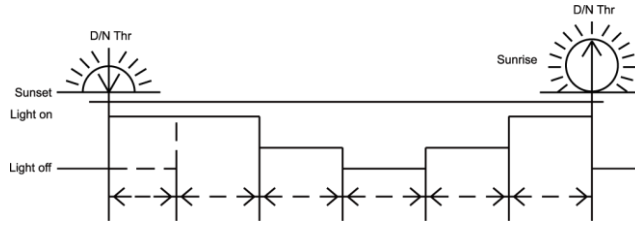


Side Entry Mount



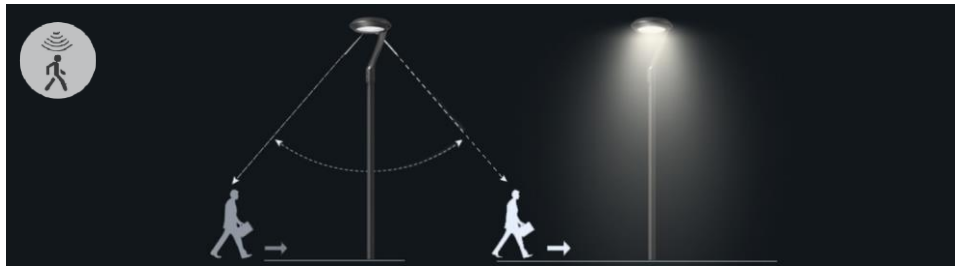
## Photocell Control

On at dusk, off at dawn



## Sensor available

With the built-in microwave sensor, the fixture can automatically light up when pedestrians approach and turn off when they leave.



## Easy Maintenance



On-site maintenance is made easy and tool-free with a simple buckle system for opening the upper cover. There is no need for additional tools, making installation and maintenance quick and convenient.

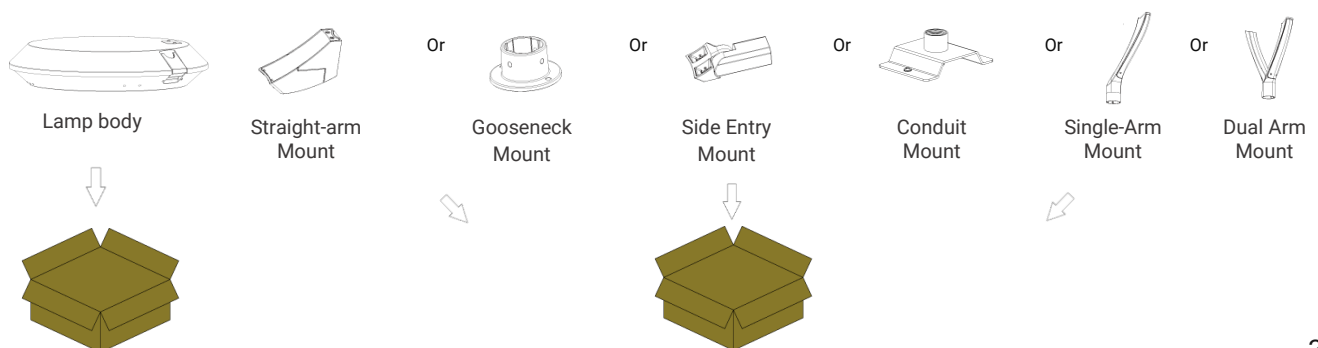
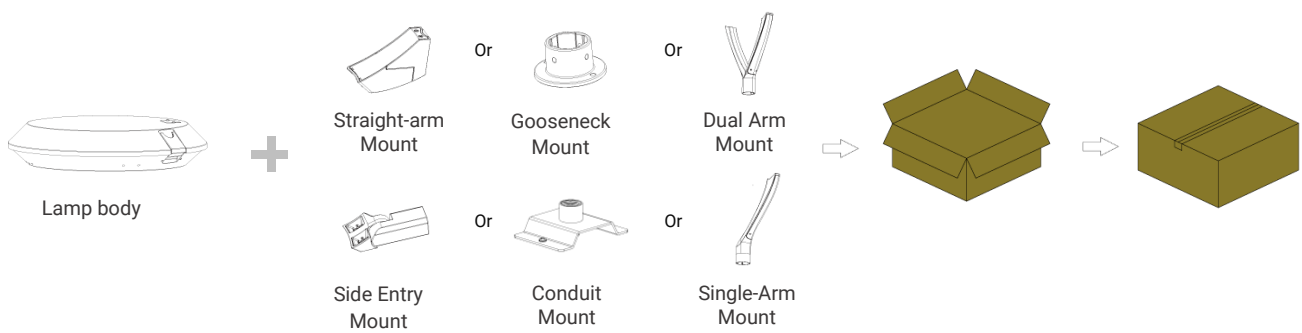


# PT7 Product Specifications

Model No.	PT7-030	PT7-050	PT7-060	PT7-075
Power	35W	50W	60W	75W
	100% , 75% , 50% , 30% selectable			
CCT	3000K, 4000K, 5000K Adjustable			4000K , 5000K Adjustable
Performance Test	Strong anti-corrosion performance with AKZO powder, passed 2,000 hours' salt spray test and 3G vibration test			
Housing Color	Black (RAL9005)			
Efficacy	150lm/W (4000K Ra70)			
Optics	R01603, R01604, R01605			
Voltage	100-277VAC, 50Hz, 60Hz			
Protection Ratings	IP66, IK08			
Certifications	ETL, DLC			
Chip	SMD 3030			
Power Supply	WeledPower			
Operating Temperature Range	-22°F~122°F			
Weight	11.6 lbs.			

## Flexible Packing Methods

Flexible packaging methods to meet client needs





# Sagitta SX7

Our high-performance LED area light is designed to illuminate large outdoor spaces with incredible efficiency. With a luminous efficacy of 160 lumens per watt, this light delivers exceptional brightness while consuming minimal energy.



0-10V



IK08



IP65



3G Vibration  
Test

## Available in 30-300W

This fixture is a versatile solution that can be used for both new construction applications and retrofits, serving as a single product replacement for up to one 1,000W metal halide bulb.



200/300W



100/150W

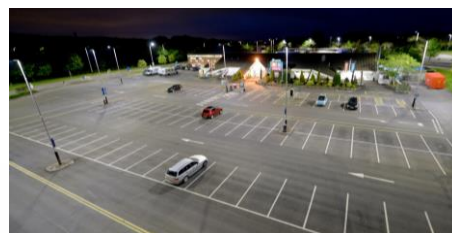
300W  
↑  
1000W  
METAL HALIDE LUMINAIRES



30/40/60W

## Versatile Mounting

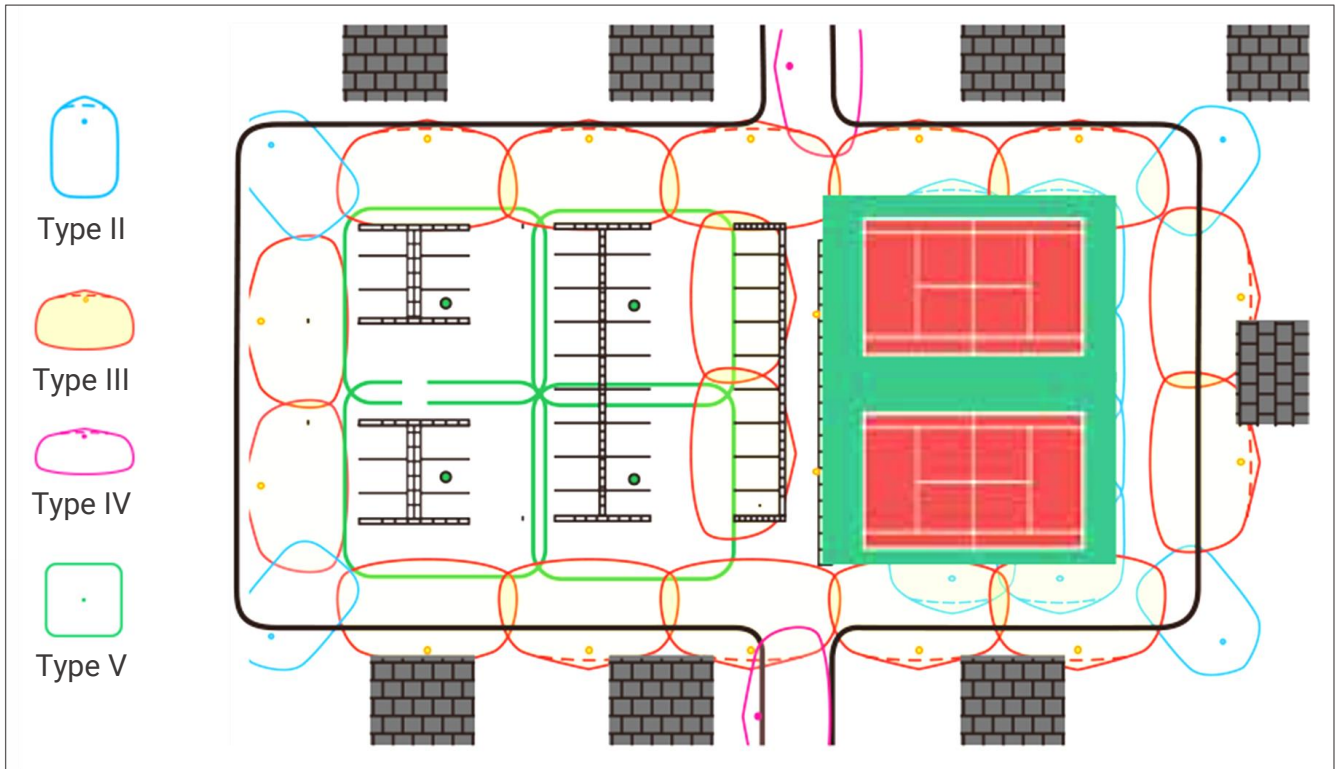
The product offers versatile mounting options that make it suitable for a variety of applications.





## Optical Distribution

The Sagitta SX7 series is equipped with a polycarbonate lens that optimizes target zone illumination and is available in Type II, III, IV, and V distribution patterns.



## Integrated Controls

In area/site applications, controls offer a range of benefits including energy savings, extended luminaire life, and customizable solutions. Sensors are used to control light output based on area utilization, resulting in energy savings and compliance with local codes.

Photocell sensor



Microwave motion sensor



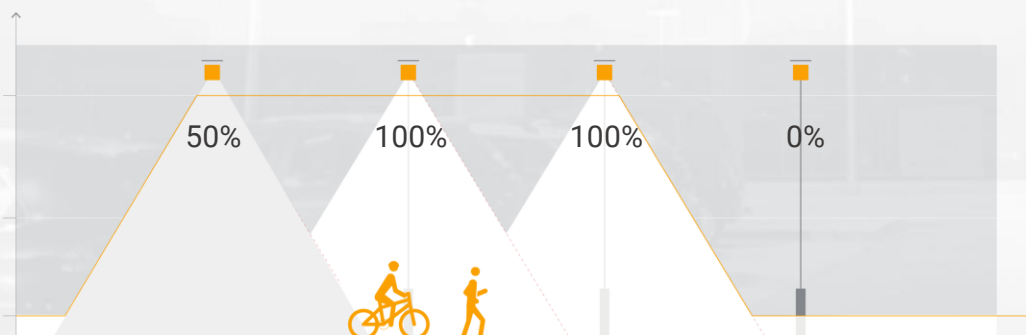
Photocell controller



Motion Sensor



PIR Sensor



# Sagitta X7 (SX7) Product Specifications

Model No.	SX7-030	SX7-040	SX7-060	SX7-100	SX7-150	SX7-200	SX7-300
Power Consumption (±5%)	30W	40W	60W	100W	150W	200W	300W
Power Supply	Sosen						
Input Voltage	120-277VAC, 50Hz, 60 Hz						
Control	Plug-and-play Microwave or PIR sensor						
Luminous Flux (±10%)	4500lm	6000lm	9000lm	16000lm	24000lm	32000lm	48000lm
Efficacy (4000K RA70)	150lm/W			155lm/W			
CCT, CRI	4000K, 5000K (CRI Ra70) (CRI Ra80 Optional)						
Beam Angle	TypeII(R08802) / TYPE III (R08803) / TypeIV(R08804) / TYPE V(R08805)						
Protection Ratings	IP65, IK08						
Operating Temperature Range	-22°F to 113°F						
Warranty	5 years						

Model No.	SX7-100	SX7-150	SX7-200	SX7-300
Power Consumption (±5%)	100W	150W	200W	300W
Power Supply	Philips			
Input Voltage	120-277VAC, 277-480VAC, 50/60 Hz			
Control	Plug-and-play Microwave or PIR sensor			
Luminous Flux (±10%)	16000lm	24000lm	32000lm	48000lm
Efficacy (4000K RA70)	160lm/W			
CCT, CRI	4000K, 5000K Ra80			
Beam Angles	Type II (R21603), TYPE III (R21601), Type IV (R21604), TYPE V (R21602)			
Protection Ratings	IP65, IK08			
Operating Temperature Range	-22°F to 113°F			
Warranty	5 years			



# TK7

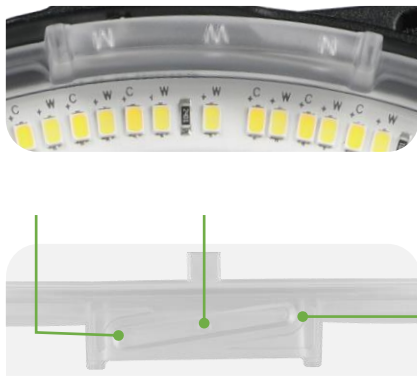
## LED High Bay

Power, CCT, and Beam Angle Adjustable

-  Up to 160lm/w
-  IP65
-  IK08
-  5 YEARS Warranty
-  CCT Selectable
-  Power Selectable
-  Beam angle Selectable

## Three Beam Angles Available

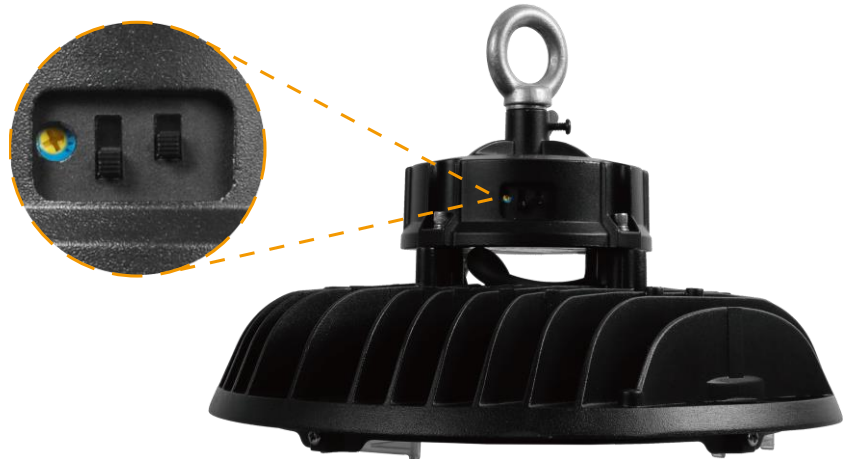
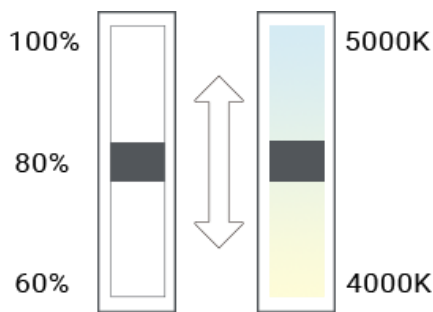
Adjustable Lens



W-Wide beam M-Medium beam N-Narrow beam



## Two CCT Adjustability Options & Three Power Adjustability Options



## Convenient Smart Control

With an impressive efficiency of up to 160lm/W and a central twist sensor, the TK7 high bay provides excellent energy savings capabilities.



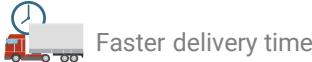
Microwave motion sensor

PIR sensor



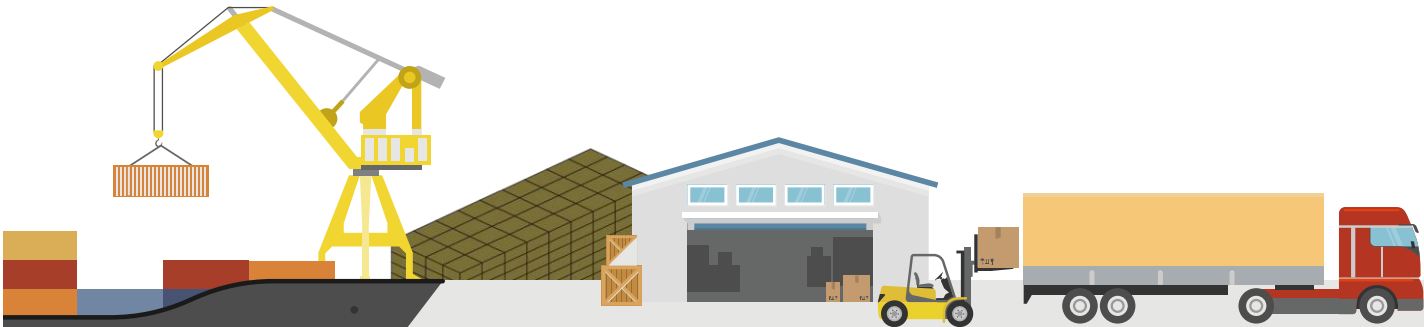
# Shorter Lead Times

With its adjustable power, beam angle, and CCT, the TK7 high bay offers a total of 36 possible configurations, making it easy to meet your turnkey solution lead times.



# Lower Freight Cost

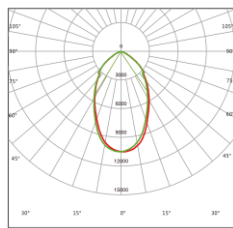
Compact Size



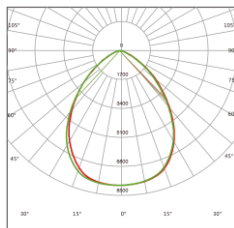
# TK7 Product Specifications

Model No.	TK7-100	TK7-120	TK7-150	TK7-200
Power Consumption (±5%)	100W	120W	150W	200W
Power Selectable	100/80/60W (Selectable)	120/96/72W (Selectable)	150/120/90W (Selectable)	200/160/120W (Selectable)
Input Voltage	120-277Vac, 50Hz, 60 Hz			
Luminous Flux (±10%)	1600lm	19200lm	24000lm	32000lm
Efficacy (4000K Ra80)	160lm/W			
Beam Angle	H00176 (N-M-W adjustable)		H00175 (N-M-W adjustable)	
Control	0-10V dimmable, PIR sensor, Microwave sensor			
CCT, CRI	4000K, 5000K Adjustable, Ra80			
Protection Ratings	IP65, IK08			
Operating Temperature Range	-22°F to 122°F			
Warranty	5 years			

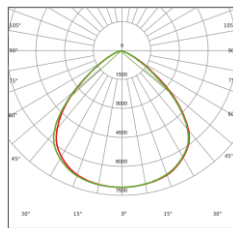
## Photometric Diagrams



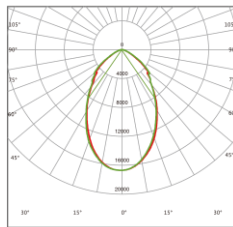
H00176N



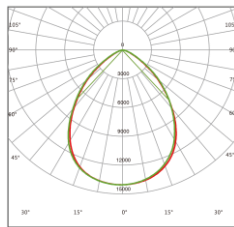
H00176M



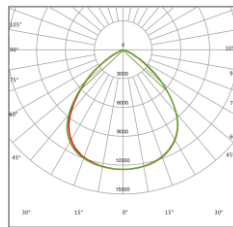
H00176W



H00175N



H00175M



H00175W

## Mounting Options



Hookmounting

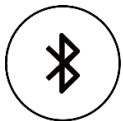


U-Bracket mounting



# XT7

Human-Centric Lighting Solution for Industrial Applications



Bluetooth



TUYA



Patented



IP66



IK08



WARRANTY



- Group setting
- Tuya App

- Time-based scene setup
- Bluetooth wireless

## Light Under Control

All luminaires can be controlled as a group through the Tuya App on a smartphone without the need for an external remote controller. The app allows for 0-100% brightness adjustment and simultaneous tuning of CCT from 3000K-5000K. This is made possible by our patented double-output driver.



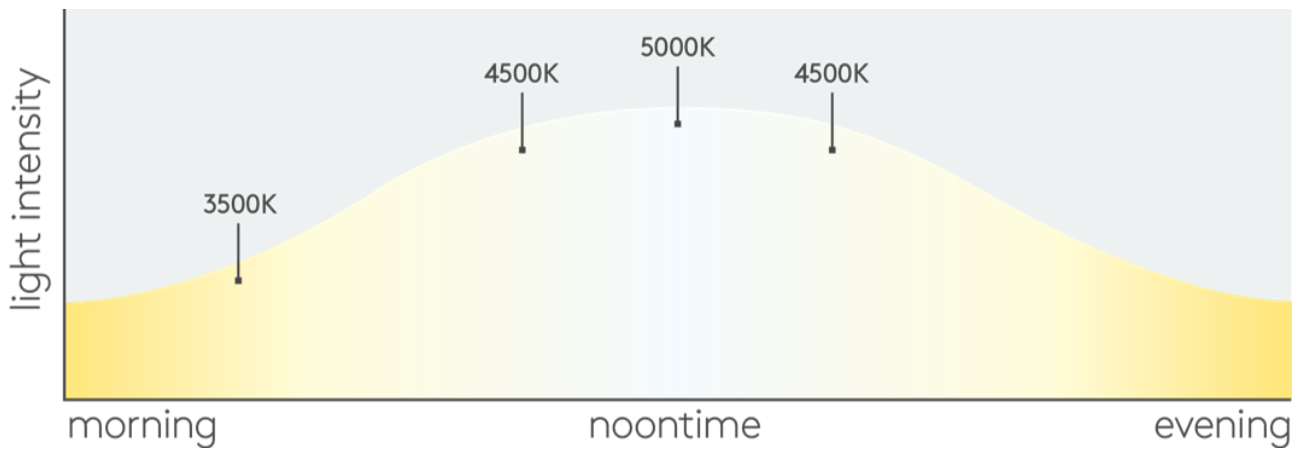


## Design Your Optimal Environment

Using time-based scene setup, the lights can be managed to adjust color and intensity according to specific needs at different times, mimicking natural sunlight throughout the day.

## Higher Productivity

Dynamic lighting strategies can improve human health and productivity by providing healthy, comfortable, and efficient lighting.



7-8am, 12-1pm  
(3500K, 50%)



8-12am, 1-5pm  
(5000K, 100%)

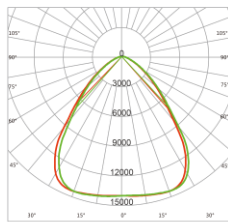


after 5pm  
(4500K, 65%)

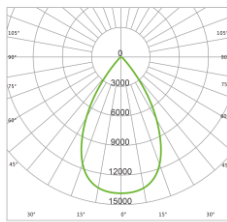
# XT7 Product Specifications

Model No.	XT7-200
Power Consumption ( $\pm 5\%$ )	0-200W Adjustable
Input Voltage	100-277Vac, 50Hz, 60 Hz
Control	Bluetooth control
Luminous Flux ( $\pm 10\%$ )	28000LM-3000K 33000LM-4000K 30000LM-5000K
Efficacy (4000K Ra70)	140lm/W at 3000K 165lm/W at 4000K 150lm/W at 5000K
CCT, CRI	3000K, 4000K, 5000K Adjustable, Ra80
Beam Angle Options	H00108 / H00111 / H00115 / H00121
Protection Ratings	IP65, IK08
Operating Temperature Range	-22°F to 122°F
Warranty	5 years

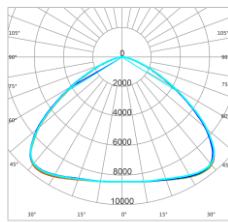
## Photometric Diagrams



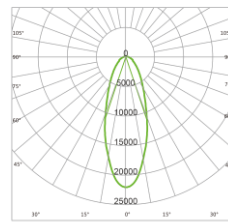
H00108



H00111



H00115



H00121

## Mounting Options



Loop mounting



U-Bracket mounting



# SK7

High Efficacy LED High Bay



IK08

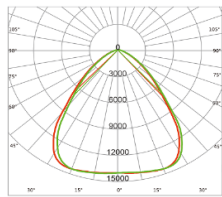


WARRANTY

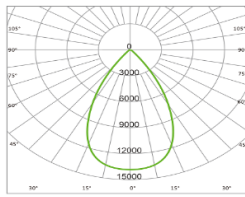
# SK7 Product Specifications

Model No.	SK7-100	SK7-120	SK7-150	SK7-200	SK7-240
Power Consumption (±5%)	100/80/60W Adjustable	120/100/80W Adjustable	150/120/100/80W Adjustable	200/150/120/100W Adjustable	240/200/175/150W Adjustable
Input Voltage	100-277Vac, 50Hz, 60Hz				
Control	Bluetooth control				
Luminous Flux (±10%)	28000LM-3000K 33000LM-4000K 30000LM-5000K				
Efficacy (4000K Ra70)	Up to 200lm/W				
CCT, CRI	3000K, 4000K, 5000K Ra80				
Beam Angle Options	H00108/H00111/H00115/H00121				
Protection Ratings	IP65, IK08				
Operating Temperature Range	-22°F to 122°F				
Warranty	5 years				

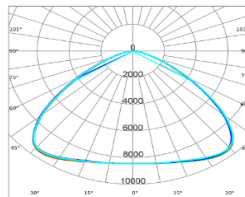
## Photometric Diagrams



H00108  
(90° circular lens)



H00111  
(60° circular lens)

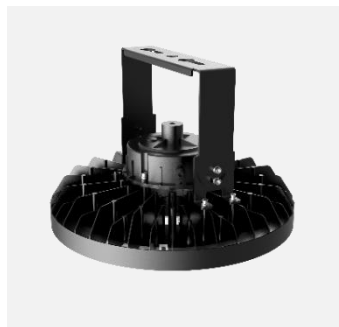


H00115  
(120° circular lens)

## Mounting Options



Hook Mounting



U-Bracket Mounting



# Blue 7

High Temperature LED High Bay



IP66



IK08



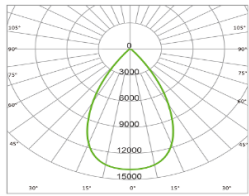
WARRANTY

# BL7 Product Specifications

Model No.	BL7-100	BL7-200	BL7-300	BL7-400
Power Consumption (±5%)	100W	200W	300W	400W
Input Voltage	100-277/277-480Vac, 50Hz, 60Hz			
Control	N/A			
Luminous Flux (±10%)	100W - 16000 lumens			
Efficacy (4000K Ra70)	160 lm/W			
CCT, CRI	4000K, 5000K Ra70			
Beam Angle Options	60°			
Protection Ratings	IP66, IK08			
Operating Temperature Range	-22°F to 158°F			
Warranty	5 years			

*\*Modular fixture, each module is 100W*

## Photometric Diagrams



60°

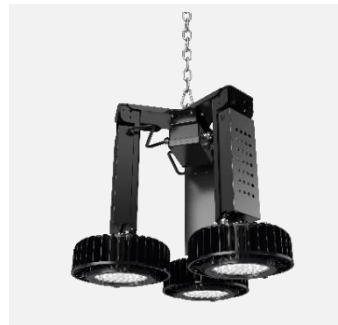
## Mounting Options



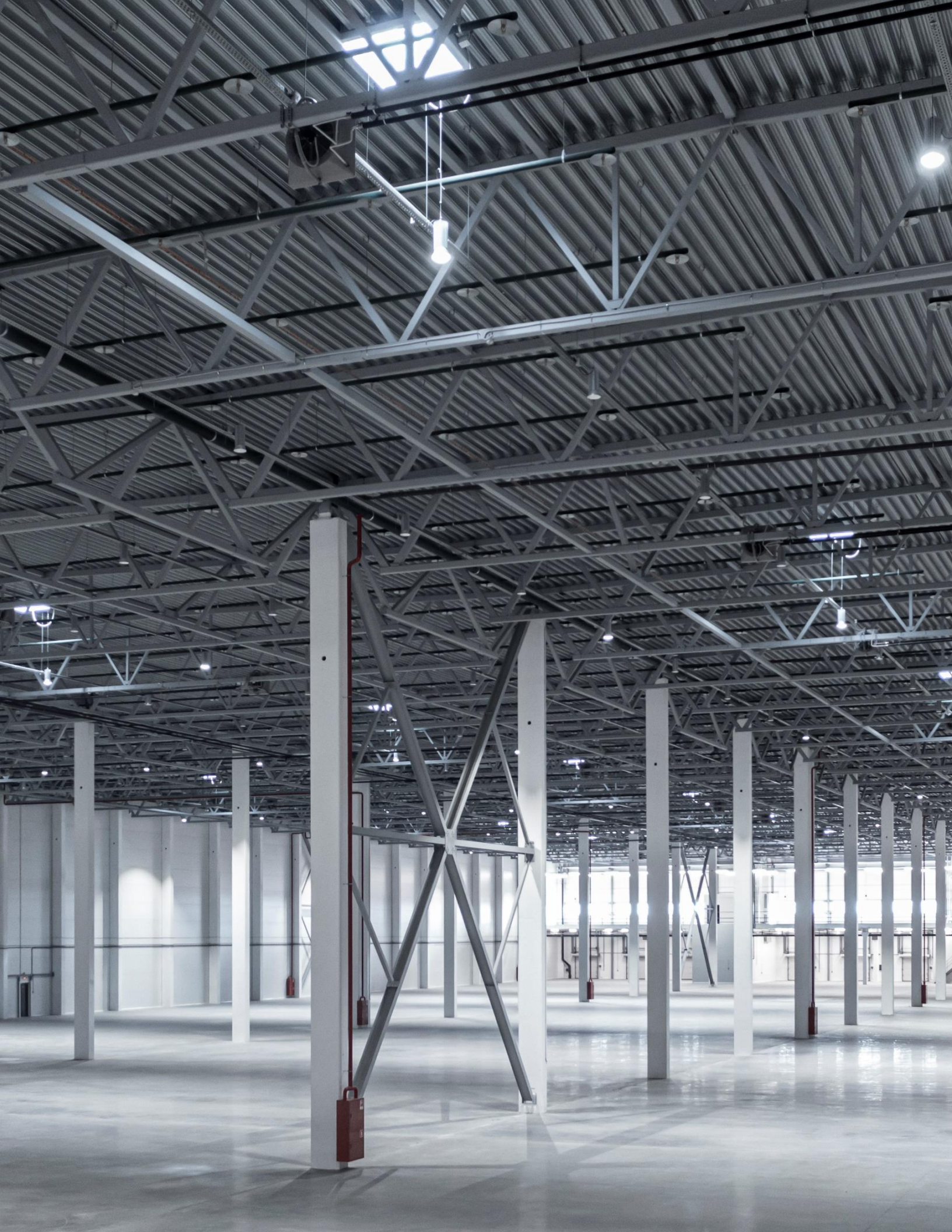
Bracket Mounting



Pendant Mounting



Chain Mounting





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