



# B-Series

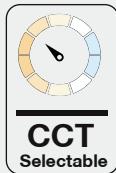
**160lm/W excellent energy solution with lower UGR**

**200lm/W superior energy solution**

Superior Lumen Output and Low Glare Solution for Diverse Industrial and Commercial Environments



Wattage  
Selectable



CCT  
Selectable



IP65



IK09



6KV



5yrs  
Warranty



UGR<25



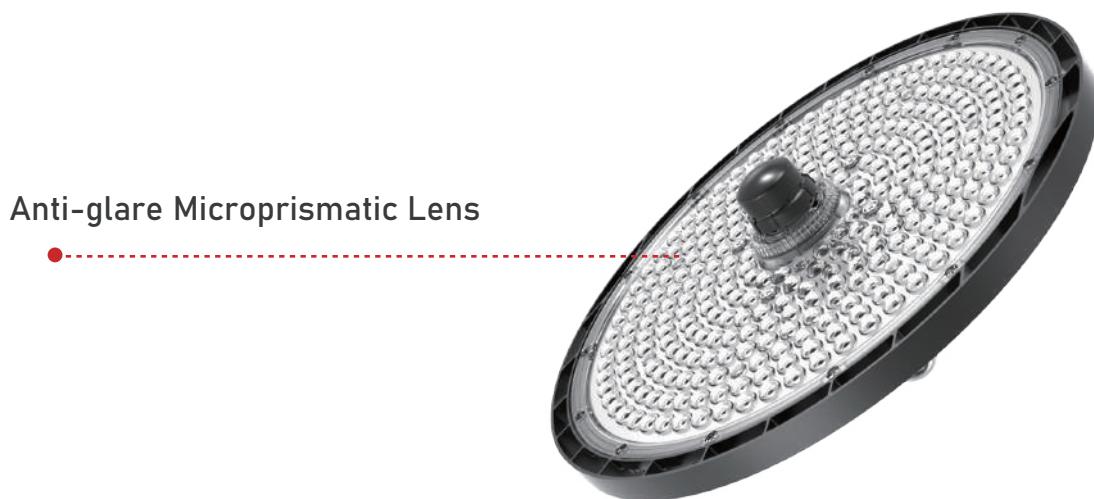
Zhaga

## What is UGR?

Literally speaking, It means Unified Glare Rating. High UGR makes human fatigue which leads to the uncomfortable feeling of eyes and low productivity of workers. Light is vital in our life, however, more than light, what matters is the disadvantage of light for human being. It is fact that when the UGR rate is less than 25, our eyes have the best feeling of light. After a period of time's test, an eruptive technology came out.

## Min UGR<25

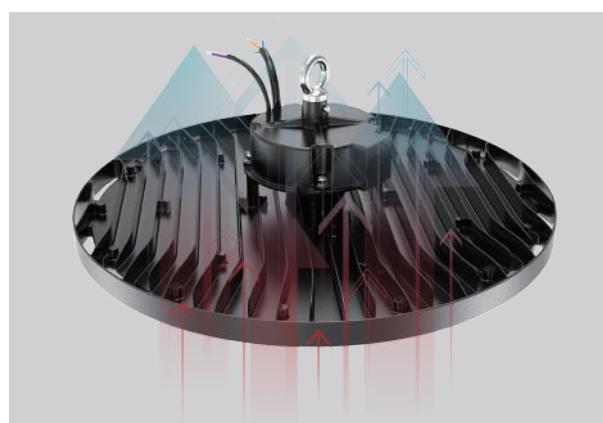
This grade features specialized optical lenses that achieve an ideal low glare selection, making it a healthy lighting solution for industrial applications.



**TA=50°C**

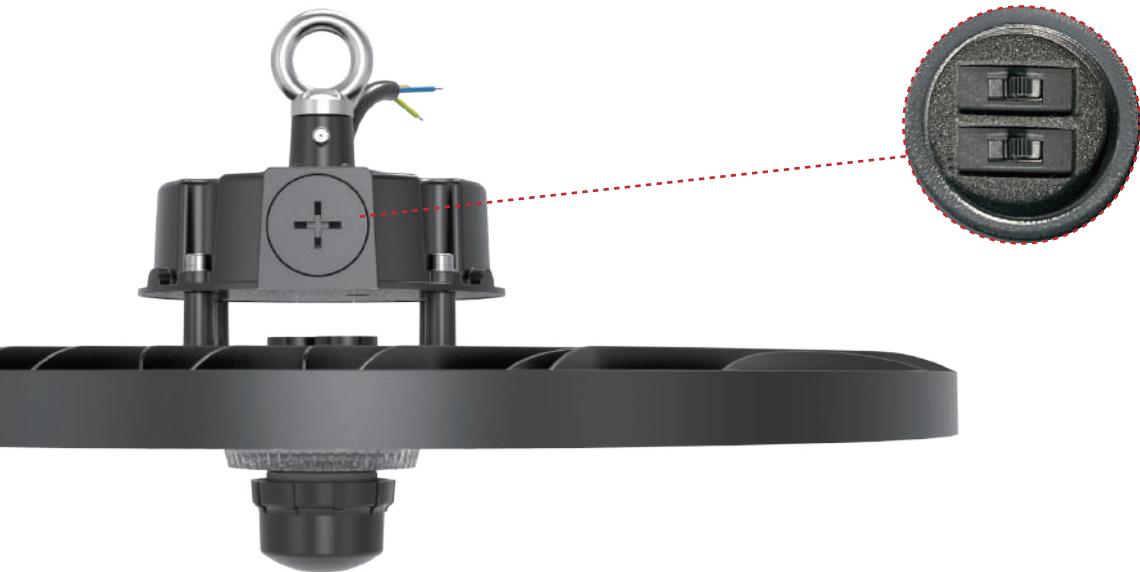
## Remarkable Heat Dissipation

With a 50-degree ambient temperature design, this product is capable of delivering stable performance in high-temperature environments. Additionally, its excellent heat dissipation capabilities make it a top-choice for end-users.



## Power & CCT selectable

The capability to modify both power and color temperature affords the liberty to accommodate diverse end-user needs, thus alleviating the burden of stocking excessive inventory levels.



## Smart light with sensor

Making a conscious decision to choose higher efficiency lighting options as compared to traditional lighting fixtures can lead to significant energy savings. This particular lighting fixture not only helps in reducing energy consumption but also comes equipped with intelligent sensors that further minimize energy usage, thereby lowering energy bills.



Infrared induction

Microwave induction

Tuya induction

# SPECIFICATIONS TABLE

GENERAL INFORMATION	
Driver included	Yes
CE mark	Yes
RoHS compliant	Yes
Safety features	Open circuit protection Short circuit protection Overvoltage protection
Testing standard	LM-79-19 (all measurements in ISO17025 accredited laboratory)
HOUSING AND FINISH	
Housing	Aluminium
Optic	Polycarbonate
Protector	Polycarbonate (with integrated lenses)
Housing finish	Electrostatic polyester powder coating
Standard colour(s)	RAL 9017 black
OPERATING CONDITIONS	
Operating Temperature Range (Ta)	-20°C to + 50°C
Operating Humidity	10-90%RH
Mounting Option	Loop Hanging Bracket Mounting
Warranty	5 years
PERFORMANCE	
Power	100W/150W/200W/240W
Efficacy solution 1	160lm/W(low UGR)
Efficacy solution 2	200lm/W(High efficacy)
Power Efficiency	≥93%
Start Time	≤0.2S
Warm-up time to 60%	0.5S

ELECTRICAL INFORMATION	
Electrical Class	Class II
Nominal Voltage	120-277V   50/60Hz
Power factor (at fullload)	0.9
Surge Protection Options (kV)	6kV-Line-Line 6kV-Line-Earth
Electromagnetic Compatibility (EMC)	EN 55015:2019/A11:2020, EN 61000-3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015
Total Harmonic Distortion (THD)	IEC 61000-3-2 Class C <20%
Driver Type	Constant current(CC)
Withstand Voltage	1.5kV 60S 10mA
OPTICAL INFORMATION	
LED Type	SMD2835
Beam Angle	90°
Recommended installation height	4m to 12m
Color Tolerance	Ra70 ≤7 Ra80 ≤5
LED colour Temperature	3000K / 4000K / 5000K / 5700K / 6500K
Colour Rendering Index (CRI)	CRI>70 standard CRI>80 optional
Upward Light Output Ratio (ULOR)	0%
LIFETIME OF THE LEDS @ TA 25°C	
All configurations	
L70B50	>100,000h
L80B20	>50,000h
L90B10	>30,000h
Switching Cycles	>100,000 times

※ Lamp switch must control L line or control L and N lines.

※ Ra measurement tolerance is ±2.

## PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
100W	L355*W355*H185mm	1PCS/CTN	0.0233m³	/	/	1115pcs	2831pcs
150W	L385*W385*H185mm	1PCS/CTN	0.0274m³	2.5kg	3.6kg	948pcs	2407pcs
200W	L465*W465*H185mm	1PCS/CTN	0.0400m³	3.4kg	4.8kg	650pcs	1650pcs
240W	L465*W465*H185mm	1PCS/CTN	0.0400m³	3.4kg	4.8kg	650pcs	1650pcs

# PERFORMANCE

## LOW UGR VERSION

POWER	LUMENS	EFFICACY
100W	16,000LM	160LM/W(Ra80)
150W	24,000LM	160LM/W(Ra80)
200W	32,000LM	160LM/W(Ra80)
240W	38,400LM	160LM/W(Ra80)

## PRO VERSION(HIGH EFFICACY)

POWER	LUMENS	EFFICACY
100W	20,000LM	200LM/W(Ra70)
	19,000LM	190LM/W(Ra80)
150W	30,000LM	200LM/W(Ra70)
	28,500LM	190LM/W(Ra80)
200W	40,000LM	200LM/W(Ra70)
	38,000LM	190LM/W(Ra80)
240W	48,000LM	200LM/W(Ra70)
	45,600LM	190LM/W(Ra80)

※The Performance Data is tested base on 230VAC, 90° and 4000K for all versions

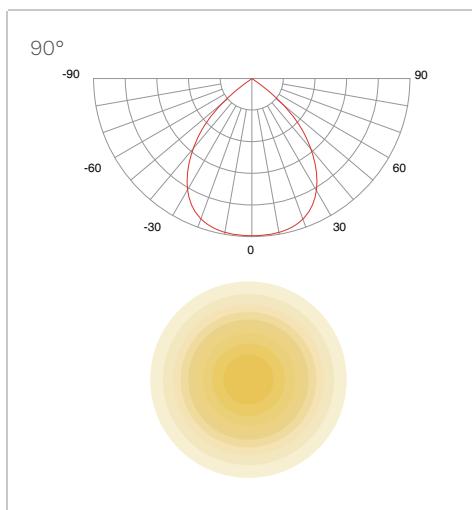
※Power Consumption Tolerance ±5% (Apply to all versions)

※Lumen Efficiency Tolerance ±5% (Apply to all versions)

## APPLICATION



## LIGHT DISTRIBUTIONS



## PENDANT MOUNTING

Power	Size
100W	Φ 313.2*H180mm
150W	Φ 346.2*H180mm
200W/240W	Φ 426.2*H180mm

