

# J-Series



## KEY ADVANTAGES

- High power high bay light, luminous flux up to 85000lm
- 15° 25° Narrow beam angles offer perfect solutions for installation above 20m.
- Wattage from 400W to 500W optional
- High energy savings compared to systems with traditional discharge lamps
- Robust design
- Emergency lighting with optional battery
- High visual comfort
- No hazardous materials
- Fast ROI thanks to long life span and reduced maintenance
- Compact housing optimised for heat dissipation and reduced dust accumulation
- Dedicated range of mounting accessories

## TYPES OF APPLICATION

- CAR PARKS
- LARGE AREAS
- INDUSTRIAL HALLS & WAREHOUSES
- SPORT FACILITIES



CAR PARKS



LARGE AREAS



INDUSTRIAL HALLS & WAREHOUSES



SPORT FACILITIES



## GENERAL INFORMATION

Driver included	Yes
CE mark	Yes
RoHS compliant	Yes
SAA Mark	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
Tightness level	IP 65
Impact resistance	IK 09

## OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C to + 45°C
Operating Humidity	10-90%RH
Mounting Option	Loop Hanging Bracket Mounting
Warranty	5 years

## Performance

Power	400W/500W
Efficacy	150lm/W,130lm/W
Power Efficiency	≥93%
Start Time	≤0.2S
Warm-up time to 60%	0.5S

## ELECTRICAL INFORMATION

Electrical class	Class I EU
Nominal voltage	120-277V   50/60Hz
Power factor (at full load)	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
Control protocol(s)	1-10V, DALI2 (optional)
Total Harmonic Distortion(THD)	IEC 61000-3-2 Class C <20%
Driver Type	Constant current(CC)
withstand voltage	1.5KV 60S 10mA

For fixed Class 1 luminaires, overvoltage protective devices which comply with IEC 61643-11 shall be disconnected from the circuit.

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

## OPTICAL INFORMATION

LED Type	SMD5050
Beam Angle	15° / 25° / 40° / 60°
Recommended installation height	15m to 25m
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%

※Ra measurement tolerance is ±2.

## LIFETIME OF THE LEDS @ TA 25°C

All configurations	
L70B50	>100,000h
L80B20	>50,000h
L90B10	>30,000h
Switching Cycles	>100,000 times

**STANDARD VERSION**

POWER	LUMENS	EFFICACY
400W	60,000LM	150LM/W(Ra70)
	56,000LM	140LM/W(Ra80)
500W	75,000LM	150LM/W(Ra70)
	70,000LM	140LM/W(Ra80)

**ECO VERSION**

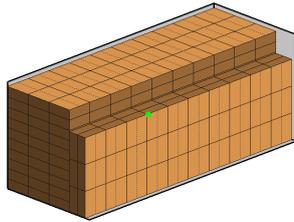
POWER	LUMENS	EFFICACY
400W	52,000LM	130LM/W(Ra70)
	48,000LM	120LM/W(Ra80)
500W	65,000LM	130LM/W(Ra70)
	60,000LM	120LM/W(Ra80)

※The Performance Data is tested base on 230VAC, 60° and 4000K for all versions  
 ※Power Consumption Tolerance ±5% (Apply to all versions)  
 ※Lumen Efficiency Tolerance ±5% (Apply to all versions)

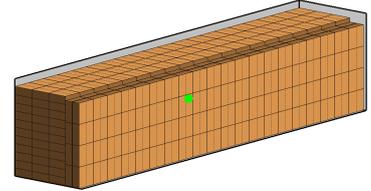
PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
400W	L610*W610*H235mm	1PCS/CTN	0.0875m <sup>3</sup>	8.5kg	10.0kg	342pcs	779pcs
500W	L610*W610*H235mm	1PCS/CTN	0.0875m <sup>3</sup>	8.5kg	10.0kg	342pcs	779pcs

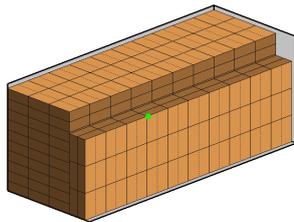
342<sub>PCS</sub>  
150W/20GP



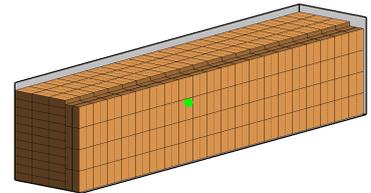
779<sub>PCS</sub>  
150W/40HQ



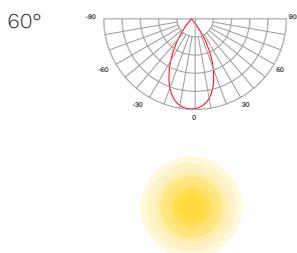
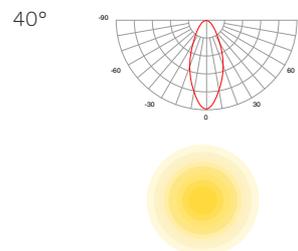
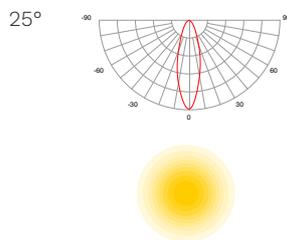
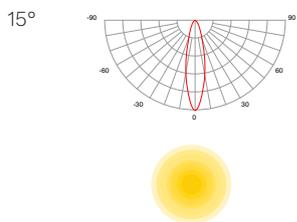
342<sub>PCS</sub>  
200W/20GP



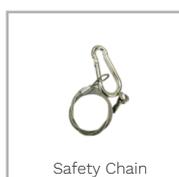
779<sub>PCS</sub>  
200W/40HQ



## LIGHT DISTRIBUTIONS



## OPTIONAL ACCESSORIES



⚠ Connecting the cable requires an IP65 Tightness level

400W/500W

