

L-Series



KEY ADVANTAGES

- Build-in driver design offers advantages in quality and price
- Wattage from 60W to 200W optional
- Power Selectable (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



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	60W/100W/150W/200W
Efficacy	170lm/W,150lm/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)	4KV-Line-Line 4KV-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 Dimmable
Total Harmonic Distortion(THD)	IEC 61000-3-2 Class C <20%
Driver Type	Constant current(CC)
For fixed Class 1 luminaires, overvoltage protective devices which comply with IEC 61643-11 shall be disconnected from the circuit.	
withstand voltage	1.5KV 60S 10mA

OPTICAL INFORMATION

LED Type	SMD2835
Beam Angle	60° / 90° / 120°
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%

※Ra measurement tolerance is ±2.

LIFETIME OF THE LEDS @ TQ 25°C

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

STANDARD VERSION

POWER		LUMENS		EFFICACY	
60W			10,200LM		170LM/W(Ra70)
			9,600LM		160LM/W(Ra80)
100W			17,000LM		170LM/W(Ra70)
			16,000LM		160LM/W(Ra80)
150W			25,500LM		170LM/W(Ra70)
			24,000LM		160LM/W(Ra80)
200W			34,000LM		170LM/W(Ra70)
			32,000LM		160LM/W(Ra80)

ECO VERSION

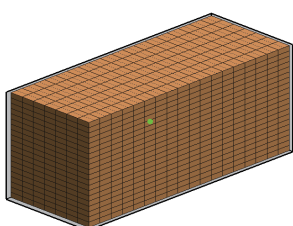
POWER		LUMENS		EFFICACY	
60W			9,000LM		150LM/W(Ra70)
			8,400LM		140LM/W(Ra80)
100W			15,000LM		150LM/W(Ra70)
			14,000LM		140LM/W(Ra80)
150W			22,500LM		150LM/W(Ra70)
			21,000LM		140LM/W(Ra80)
200W			30,000LM		150LM/W(Ra70)
			28,000LM		140LM/W(Ra80)

※The Performance Data is tested base on 4000K configuration (Apply to all versions)
 ※Power Consumption Tolerance ±5% (Apply to all versions)
 ※Lumen Efficiency Tolerance ±5% (Apply to all versions)

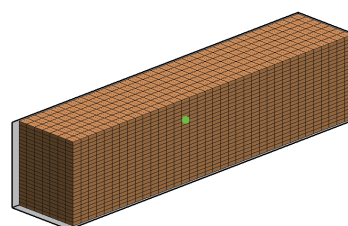
PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
60W	L330*W330*H125mm	1PCS/CTN	0.0136m ³	1.6kg	2.0kg	2394pcs	5506pcs
100W	L330*W330*H125mm	1PCS/CTN	0.0118m ³	1.6kg	2.0kg	2394pcs	5506pcs
150W	L370*W370*H130mm	1PCS/CTN	0.0178m ³	1.9kg	2.6kg	1732pcs	4138pcs
200W	L410*W410*H130mm	1PCS/CTN	0.0219m ³	2.3kg	3.3kg	1396pcs	3361pcs

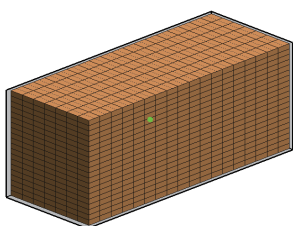
2394^{PCS}
60W/20GP



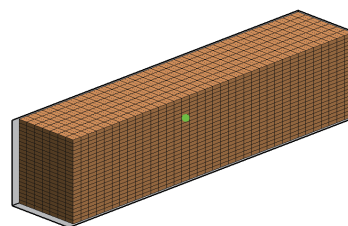
5506^{PCS}
60W/40HQ



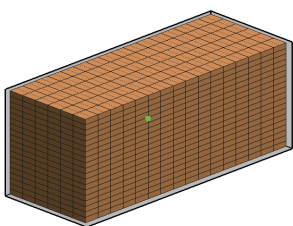
2394^{PCS}
100W/20GP



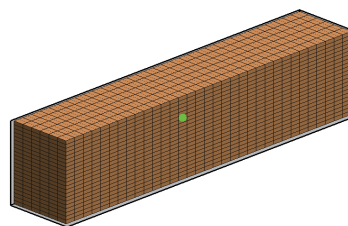
5506^{PCS}
100W/40HQ



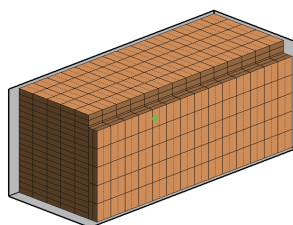
1732^{PCS}
150W/20GP



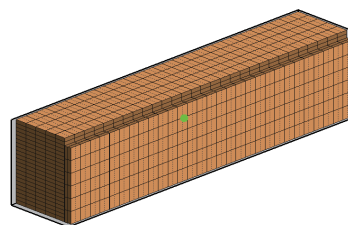
4138^{PCS}
150W/40HQ



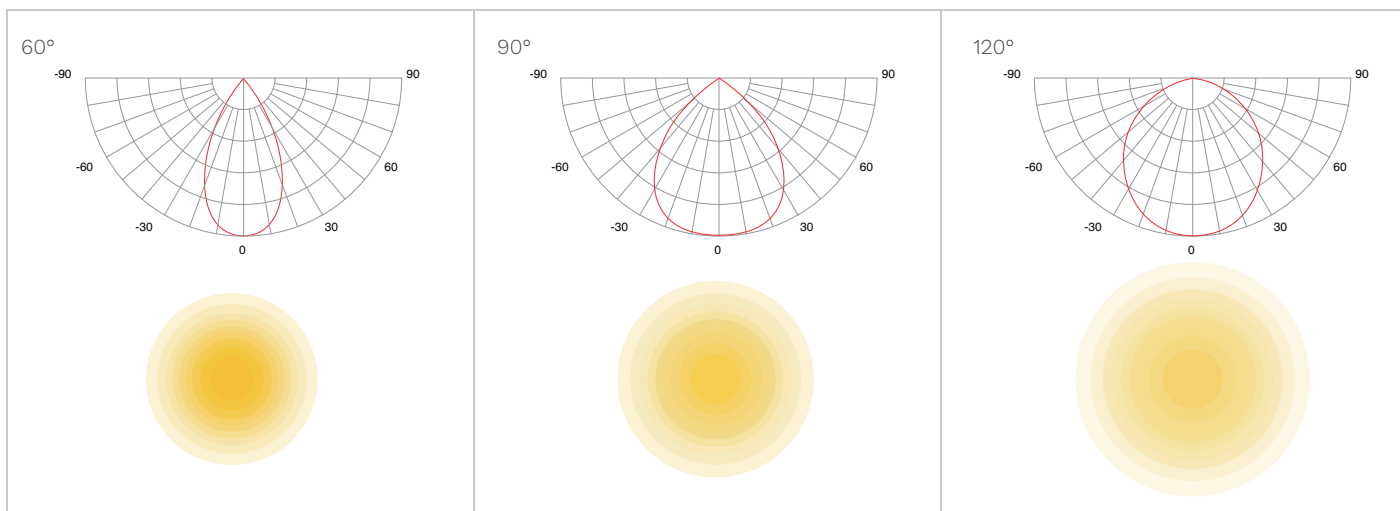
1396^{PCS}
200W/20GP



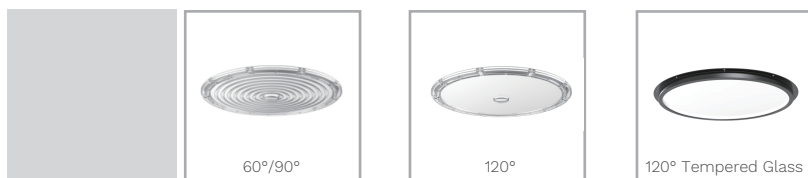
3361^{PCS}
200W/40HQ



LIGHT DISTRIBUTIONS



OPTIONAL ACCESSORIES

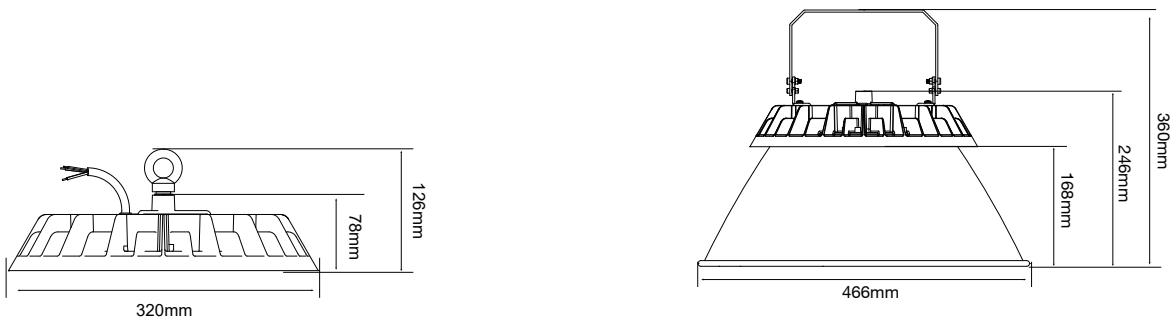


⚠ Connecting the cable requires an IP65 Tightness level

60/100W



150W



200W

