

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
- Light-on-demand feature with optional motion sensor
- 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	60W/100W/150W/200W
Efficacy	160lm/W,140lm/W
Power Efficiency	≥93%
Start Time	≤0.2S
Warm-up time to 60%	0.5S

ELECTRICAL INFORMATION

Electrical class	Class I EU
Nominal voltage	220-240V 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)

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%

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	
L70B10	>50,000h
L80B10	>30,000h
Switching Cycles	>100,000 times

STANDARD VERSION

POWER	LUMENS	EFFICACY
60W	9,600LM	160LM/W(Ra70)
	8,880LM	148LM/W(Ra80)
100W	16,000LM	160LM/W(Ra70)
	14,800LM	148LM/W(Ra80)
150W	24,000LM	160LM/W(Ra70)
	22,200LM	148LM/W(Ra80)
200W	32,000LM	160LM/W(Ra70)
	29,600LM	148LM/W(Ra80)

ECO VERSION

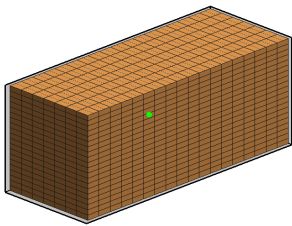
POWER	LUMENS	EFFICACY
60W	9,000LM	150LM/W(Ra70)
	8,400LM	140LM/W(Ra80)
100W	15,000LM	150LM/W(Ra70)
	14,000LM	140LM/W(Ra80)
150W	22,500LM	150LM/W(Ra70)
	21,000LM	140LM/W(Ra80)
200W	30,000LM	150LM/W(Ra70)
	28,000LM	140LM/W(Ra80)

※The Performance Data is tested base on 4000K confiuration

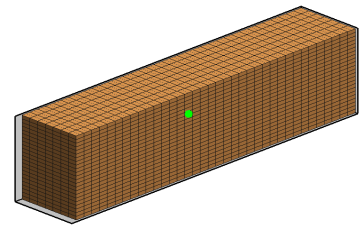
PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
60W	L320*W320*H115mm	1PCS/CTN	0.0118m ²	1.6kg	2.0kg	2394pcs	5506pcs
100W	L320*W320*H115mm	1PCS/CTN	0.0118m ²	1.6kg	2.0kg	2394pcs	5506pcs
150W	L360*W360*H120mm	1PCS/CTN	0.0156m ²	1.9kg	2.6kg	1732pcs	4138pcs
200W	L400*W400*H120mm	1PCS/CTN	0.0192m ²	2.3kg	3.3kg	1396pcs	3361pcs

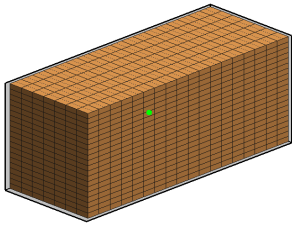
2394_{PCS}
60W/20GP



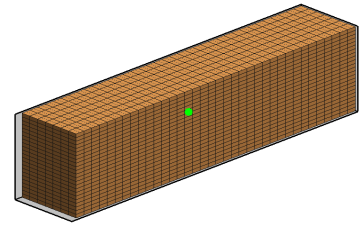
5506_{PCS}
60W/40HQ



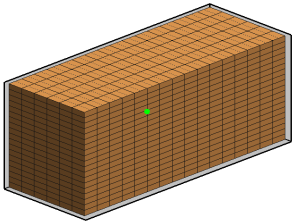
2394_{PCS}
100W/20GP



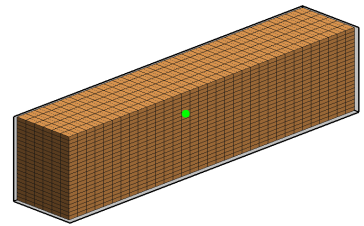
5506_{PCS}
100W/40HQ



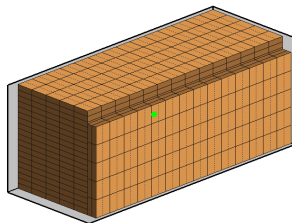
1732_{PCS}
150W/20GP



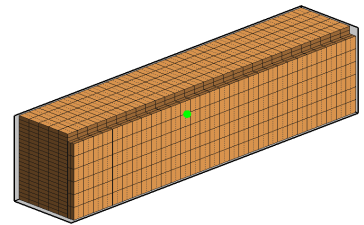
4138_{PCS}
150W/40HQ



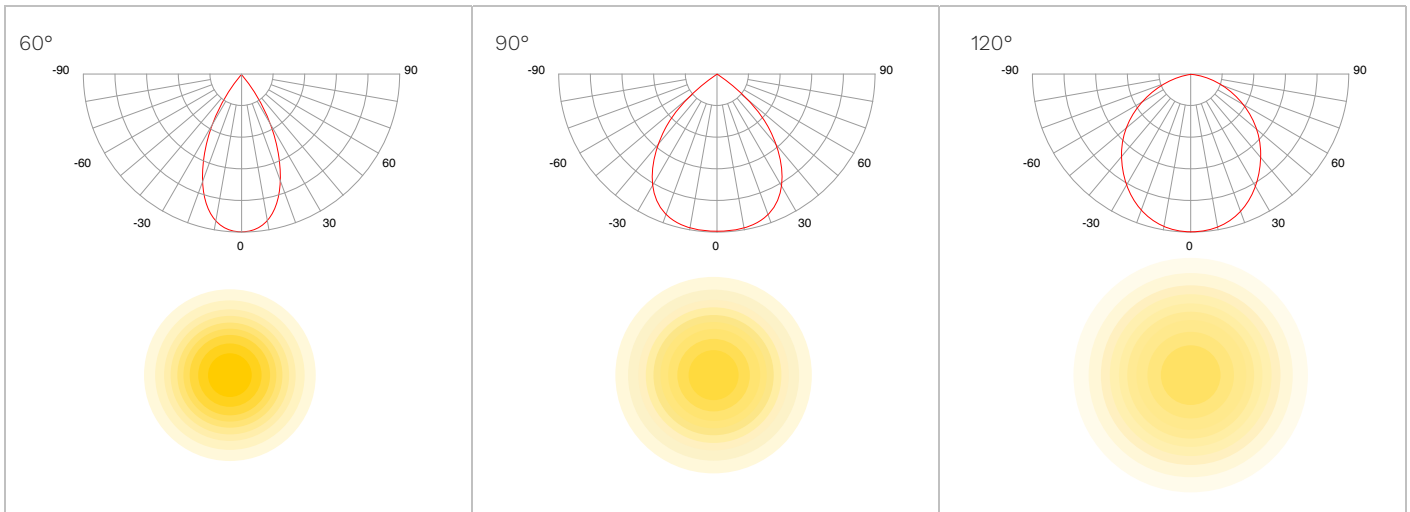
1396_{PCS}
200W/20GP



3361_{PCS}
200W/40HQ



LIGHT DISTRIBUTIONS



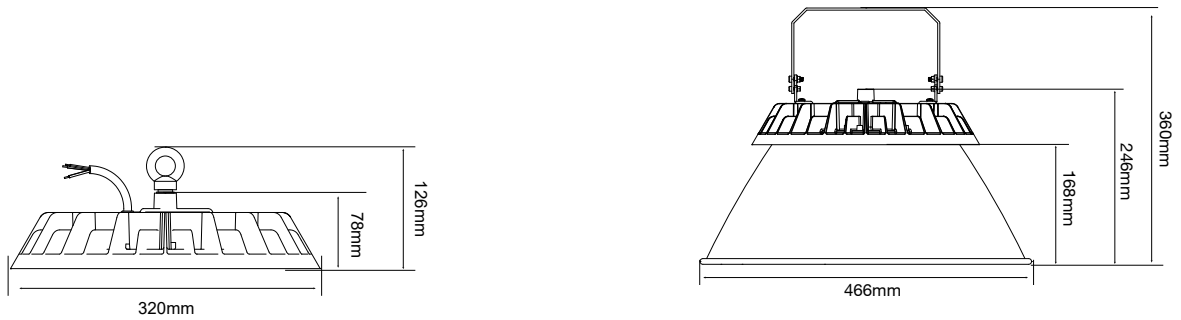
OPTIONAL ACCESSORIES



60/100W



150W



200W

