

O-Series

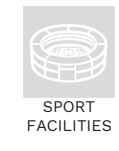


KEY ADVANTAGES

- With easy clean and maintenance characteristics
- Wattage from 60W to 200W 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

TYPES OF APPLICATION

- CAR PARKS
- LARGE AREAS
- INDUSTRIAL HALLS & WAREHOUSES
- SPORT FACILITIES
- Food Processing Plant
- Chemical 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 1127 white
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
Warranty	3 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
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
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※Lamp switch must control L line or control L and N lines.

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 @ TA 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

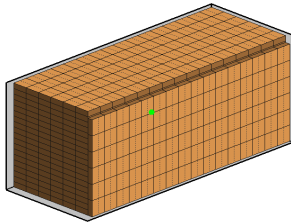
POWER	LUMENS	EFFICACY
60W	8,400LM	140LM/W(Ra70)
	7,800LM	130LM/W(Ra80)
100W	14,000LM	140LM/W(Ra70)
	13,000LM	130LM/W(Ra80)
150W	21,000LM	140LM/W(Ra70)
	19,500LM	130LM/W(Ra80)
200W	28,000LM	140LM/W(Ra70)
	26,000LM	130LM/W(Ra80)

※ 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)

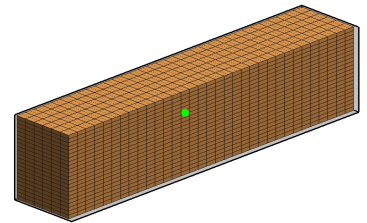
PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
60W	L365*W365*H130mm	1PCS/CTN	0.0173m ³	1.8kg	2.0kg	1728pcs	4138pcs
100W	L365*W365*H130mm	1PCS/CTN	0.0173m ³	1.8kg	2.0kg	1728pcs	4138pcs
150W	L415*W415*H135mm	1PCS/CTN	0.0233m ³	2.2kg	2.8kg	1260pcs	3223pcs
200W	L485*W485*H140mm	1PCS/CTN	0.0329m ³	3.0kg	3.6kg	957pcs	2166pcs

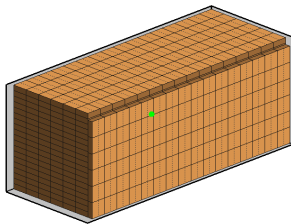
1728^{PCS}
60W/20GP



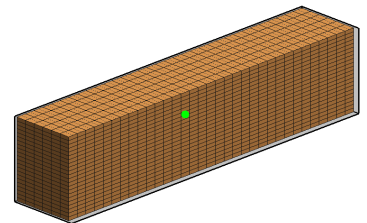
4138^{PCS}
60W/40HQ



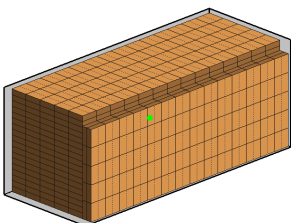
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100W/20GP



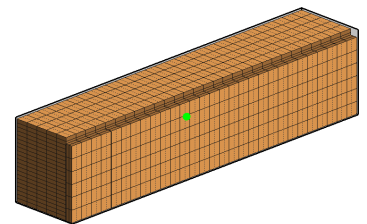
4138^{PCS}
100W/40HQ



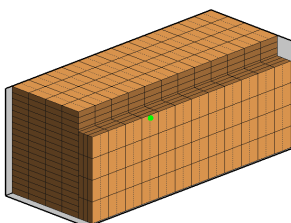
1260^{PCS}
150W/20GP



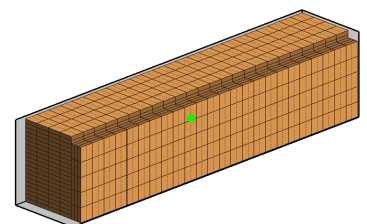
3223^{PCS}
150W/40HQ



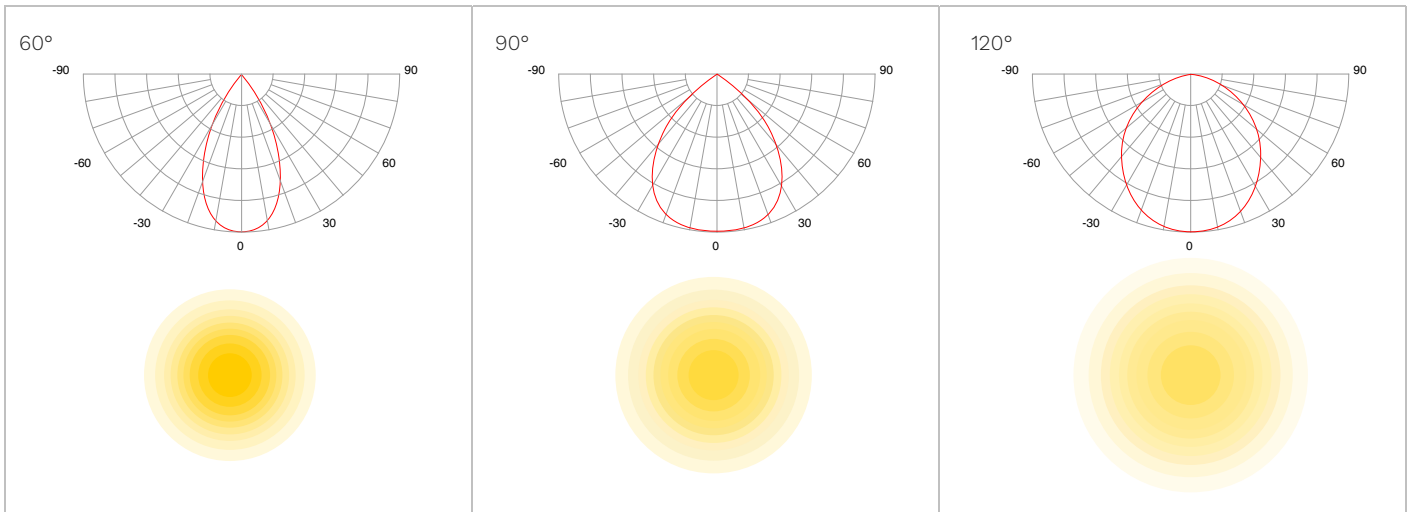
957^{PCS}
200W/20GP



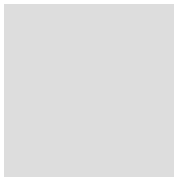
2166^{PCS}
200W/40HQ



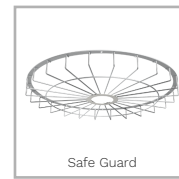
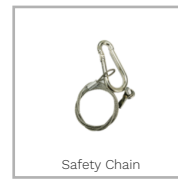
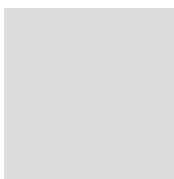
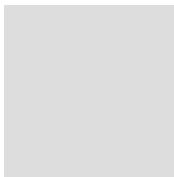
LIGHT DISTRIBUTIONS



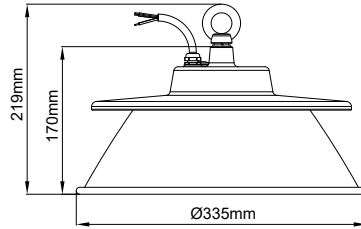
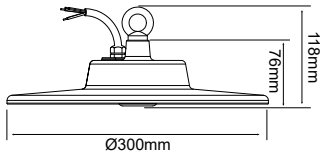
OPTIONAL



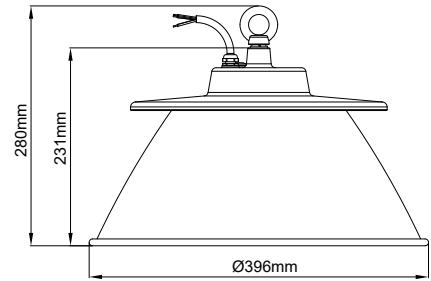
ACCESSORIES



60W/100W

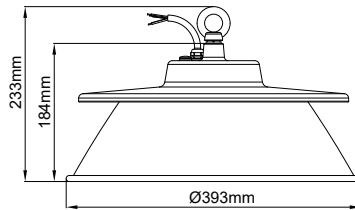
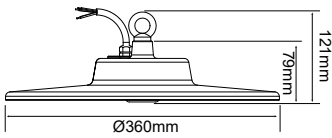


Universal Reflector

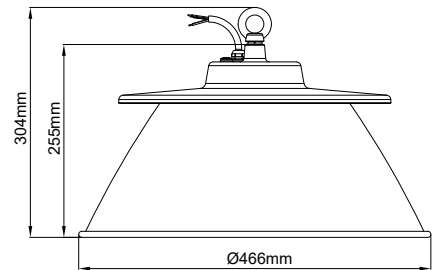


Tall Reflector

150W

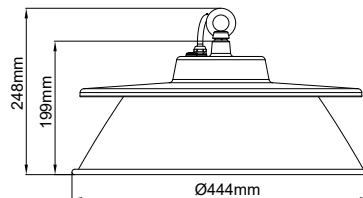
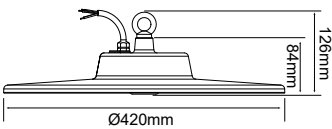


Universal Reflector

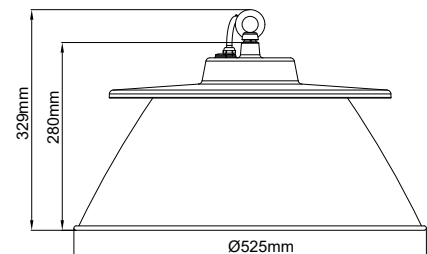


Tall Reflector

200W



Universal Reflector



Tall Reflector