

M-Series



KEY ADVANTAGES

- Wattage from 100W to 240W 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
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	100W/150W/200W/240W
Efficacy	210lm/W,190lm/W, 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	100-277V 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)
Sensor	Motion sensor (optional)
Emergency	Optional auxiliary battery
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	>100,000h
L80B10	>50,000h
L90B10	>30,000h
Switching Cycles	>100,000 times

PREMIUM VERSION

POWER	LUMENS	EFFICACY
100W	21,000LM	210LM/W
150W	31,500LM	210LM/W
200W	42,000LM	210LM/W
240W	48,000LM	200LM/W

PRO VERSION

POWER	LUMENS	EFFICACY
100W	19,000LM	190LM/W
150W	28,500LM	190LM/W
200W	38,500LM	190LM/W
240W	45,600LM	190LM/W

STANDARD VERSION

POWER	LUMENS	EFFICACY
100W	17,000LM	170LM/W
150W	25,500LM	170LM/W
200W	34,000LM	170LM/W
240W	40,800LM	170LM/W

ECO VERSION

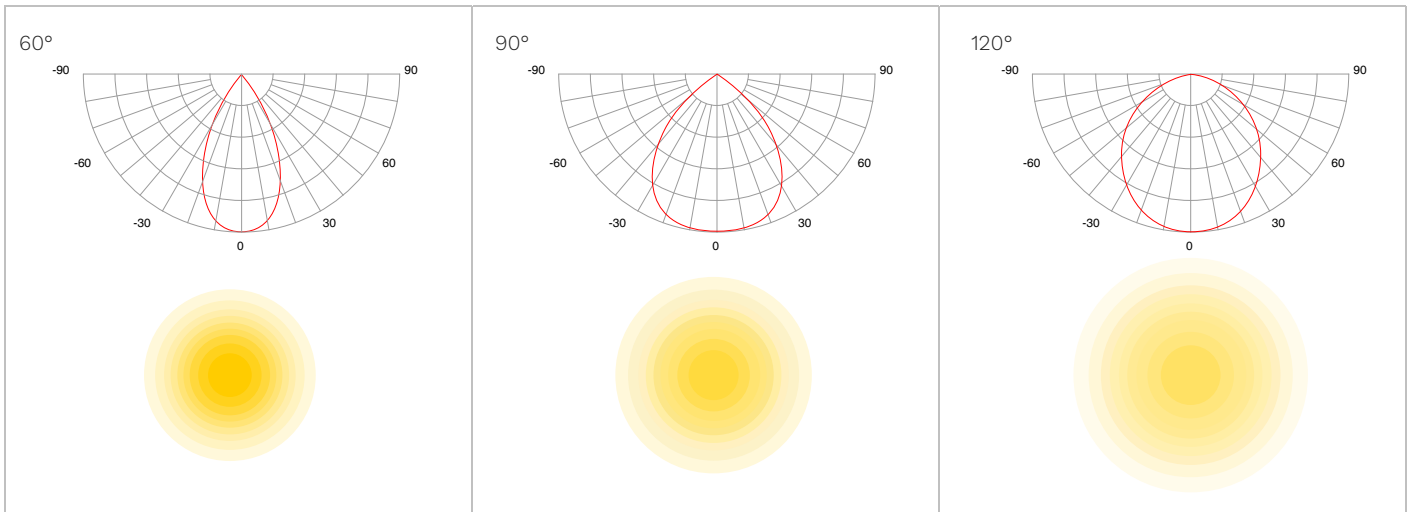
POWER	LUMENS	EFFICACY
100W	15,000LM	150LM/W
150W	22,500LM	150LM/W
200W	30,000LM	150LM/W
240W	36,000LM	150LM/W

※The Performance Data is tested base on 4000K Ra70 configurations










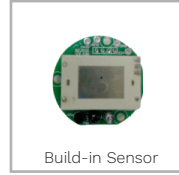

PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
100W	L290*W290*H150mm	1PCS/CTN	1.9kg	2.3kg	2050pcs	5200pcs
150W	L340*W340*H150mm	1PCS/CTN	2.3kg	3.0kg	1450pcs	3750pcs
200W	L370*W370*H155mm	1PCS/CTN	2.9kg	3.7kg	1200pcs	3100pcs
240W	L400*W400*H160mm	1PCS/CTN	4.2kg	5.4kg	1000pcs	2550pcs

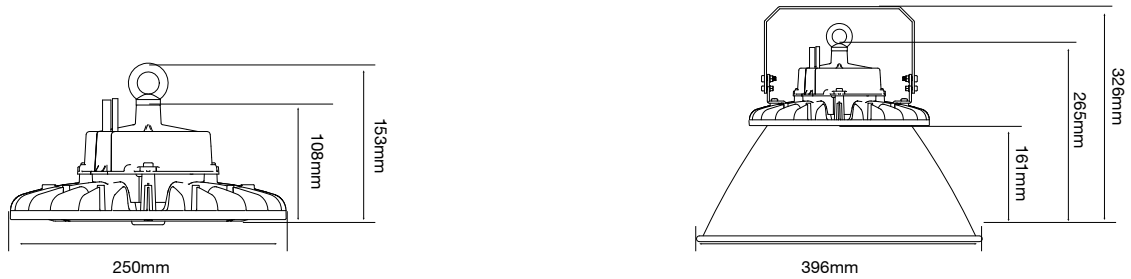
LIGHT DISTRIBUTIONS



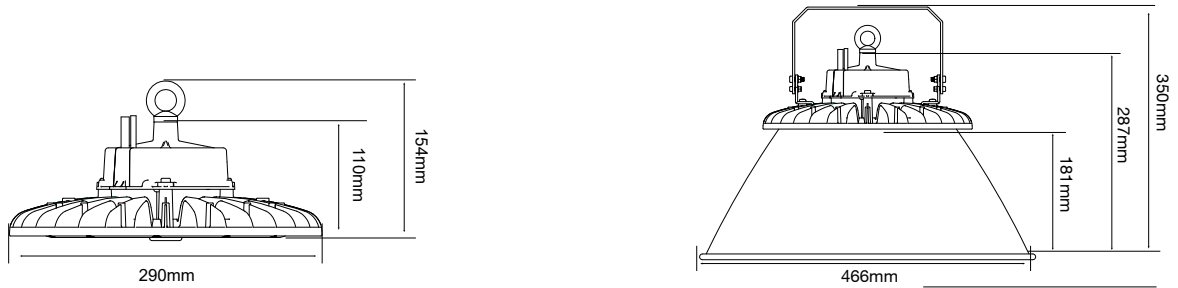
OPTIONAL ACCESSORIES

	 Philips	 Sosen	 Lifud
	 60°/90°	 90°	 120°
※The built-in sensor model is only suitable for 90° lens			
	 ALU Reflector	 PC Reflector	
	 Adjustable Bracket	 Build-in Sensor	 Safety Chain

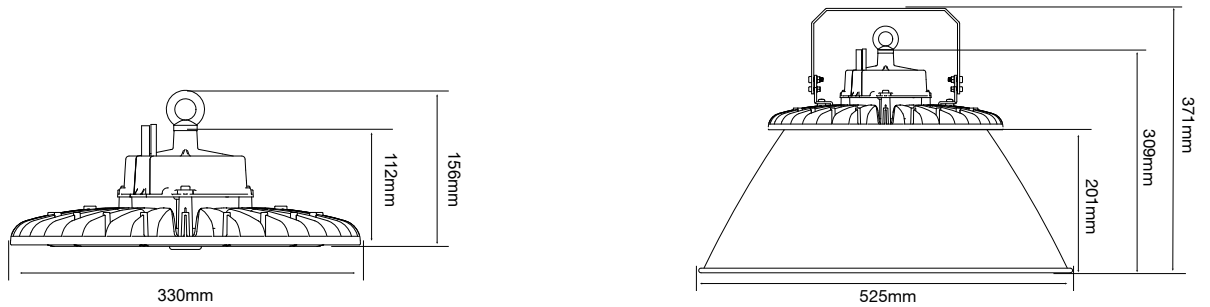
100W



150W



200W



240W

