

Ceres



KEY BENEFITS

- Up to 2 sizes
- Durability and sturdiness: IP65 + IK08
- Energy Efficient: 180 lm/W.
- Monocrystalline silicon integrated solar panel, suitable for remote regions and areas without electrical supply.
- Deep-cycle battery, capable of charging and discharging over 2000 times.
- High-strength cast aluminum housing.
- Sustainable: autonomously replaceable battery.
- Powder-coated polyester finish UV stabilized, suitable for 1000 hours of salt spray.
- Lifetime L90B10 100.000h (Ta) 25°C
- 3 to 5 years warranty.



IP65 IK08 CIII RAL 9005T

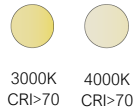
DESCRIPTION

The Ceres luminaire features a simple and elegant design that seamlessly integrates into ambient lighting applications. It comes with integrated microwave motion sensor and intelligent controller.

Equipped with a monocrystalline silicon solar panel and a deep-cycle battery, the Ceres luminaire can operate autonomously for entire days on a single charge, making it the ideal choice for remote regions and areas without access to electricity.

APPLICATIONS

Parks, squares and gardens, greenways and cycle paths, residential and pedestrian areas, streets and avenues, for other applications, please consult.



S: 4.900 lm - 5.400 lm
M: 7.100 lm - 7.800 lm



S: 8,9 Kg
M: 10,2 Kg



180 lm/W



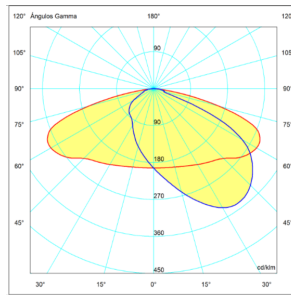
S: 0,246 m²
M: 0,329 m²



-10°C to +50°C
Storage temperature:
-20°C to +45°C

PHOTOMETRIC DISTRIBUTIONS

It has the 1 photometric distribution used for the environments in which this type of luminaire is installed, allows it to adapt to all needs:

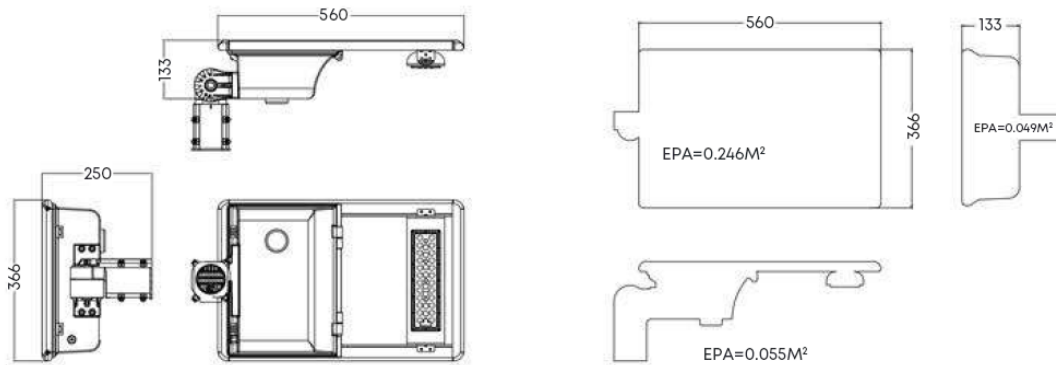


ACM5

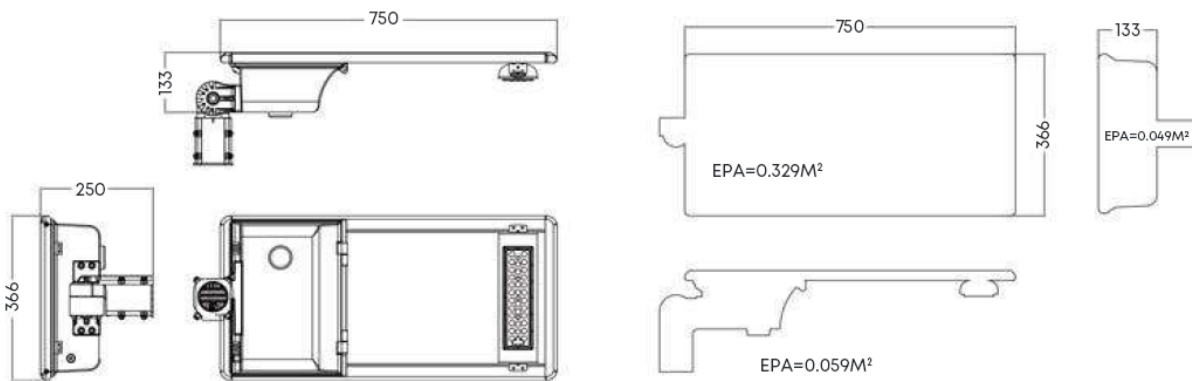
Other photometries, consult.

DIMENSIONS (mm)

S



M



CERES CHARACTERISTICS

LUMINAIRE

Power (Std. Dev. ±3%)	S: 27W M: 40W
Voltage / Frequency	12VDC: 27W, 40W
Control Option	Photocell sensor, timing, dimming, intelligent power saving, microwave sensor or PIR sensor.
LED model and quantity	5050 44 Pcs
Lens Material	Polycarbonato (PC)
Efficacy	180lm/W (3.000K)
Luminous flux	S: 4.900 lm - 5.400 lm M: 7.100 lm - 7.800 lm (4.000K)
ULOR	= 0%,
LED colour temperature	3000K, 4000K
CRI	Ra>70
Beam Angle	ACM5
Product Size	S: 560*366*133mm M: 750*366*133mm
Net Weight	S: 8,9 Kg M: 10,2 Kg

SOLAR CAPTURE SYSTEM

Photovoltaic panel	Monocrystalline solar panel.
Solar Panel-MPPT (Std. Dev. ±3%)	18V/25W - 18V/60W
Lithium Ferro Phosphate Battery	153,6Wh - 384Wh 12,8V12AH - 12,8V30AH
Charing Time (MPPT) (hrs)	6h - 7h
Battery lifespan	>2000 times cycle
	5,2h (Unregulated)
Autonomy Mode <15h	Movement: 50% No movement: 20%
Ambient Temperature	-10°C to +50°C Storage temperature: -20°C to +45°C
Charge Controller	MPPT intelligent controller
Maximum Autonomy	Operates up to 2 days of rain

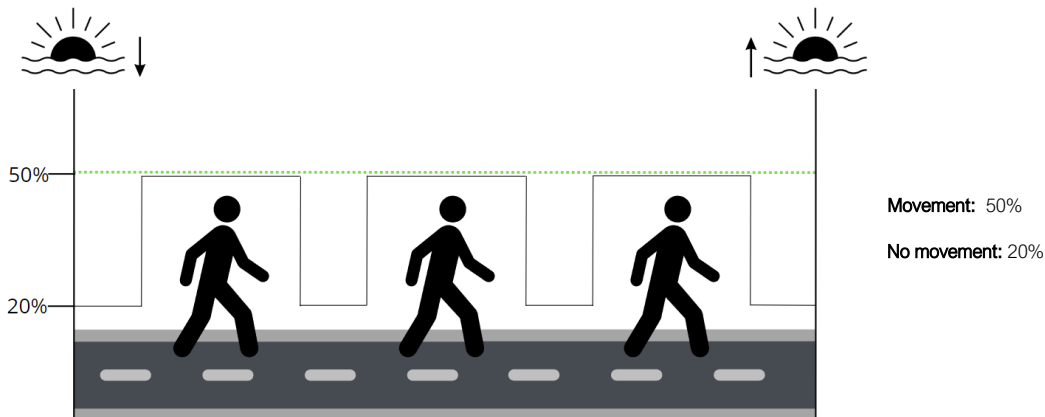
OTHERS

Lifespan	L90B10 - 100000 hrs, @Tq 25°C
Warranty	3 to 5 year warranty
Certification	CB, CE, RoHS
Recommend Installation Height	3-10 metres
EPA Ratings	S: 0,246 m² M: 0,329 m²

ELECTRICAL CHARACTERISTICS

Watertightness	IP65 (EN 60598-1 and EN 60598-2-3)
Impact protection grade	IK08 (EN 62262)
Housing Material	Heavy-duty die-cast aluminum
Surface Treatment	Anti-UV thermosetting polyester
Colour	Black (RAL 9005T)
Fixation	PT2: Vertical fixation ø60mm

AUTONOMY MODE



ACCESSORIES



Pole bracket Ø60mm (included)



Wall bracket (on request)



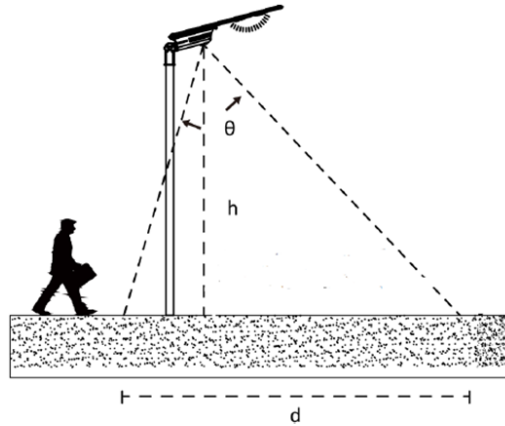
Round post (consult us)



Square post (consult us)



Microwave motion sensor (included)



Motion sensor detection cone

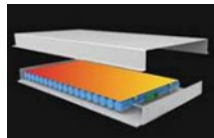
Angle - θ	Height h (m)	Distance d (m)
65°	6-10 m	7-10m

SPARE PARTS

Controller



Battery



Lithium LiFePO4 battery