

Ceres



KEY BENEFITS

- All-in-One luminaire.
- 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

Marine finish
(RAL M9005T)

DESCRIPTION

The All in One Ceres luminaire features a simple and elegant design that seamlessly integrates into ambient lighting applications. It comes with integrated microwave motion sensor and smart driver integrated.

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.

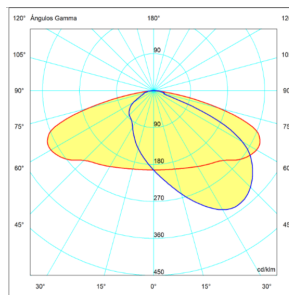
2200K
CRI>703000K
CRI>704000K
CRI>70S: 5.050 lm - 5.400 lm
M: 6.581 lm - 7.800 lmS: 8,9 Kg
M: 10,2 Kg

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:



CERES CHARACTERISTICS

GENERAL INFORMATION

Sustainability	Valorisation: 92,59%. Maximum carbon footprint per use: 0,0103 kg kW/h CO2
CE marking	Yes
RoHS compliance	Yes
Test standard	LM 79-80 (all measurements in the laboratory certified according to ISO17025)

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 32 Pcs
Lens Material	Polycarbonato (PC)
Efficacy	180lm/W
Luminous flux	S: 5.050 lm - 5.400 lm M: 6.581 lm - 7.800 lm
ULOR	= 0%,
LED colour temperature	4,000K (Neutral White, nw). 3,000K (Warm White, ww). 2,200K (Warm White, ww).
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
Tilt of the LED module	+ - 45°

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) Marine finish (1.000h) (RAL M9005T)
Fixation	PT2: Vertical fixation ø60mm

SOLAR CAPTURE SYSTEM

Photovoltaic panel	Monocrystalline solar panel.
Solar Panel-MPPT (Std. Dev. ±3%)	18V/25W - 16V/40W
Lithium Ferro Phosphate Battery	153,6Wh - 230,4Wh 12,8V12Ah - 12,8V18Ah
Charing Time (MPPT) (hrs)	6h - 7h
Battery lifespan	>2000 times cycle
Autonomy Mode <15h	5,2h (Unregulated) 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

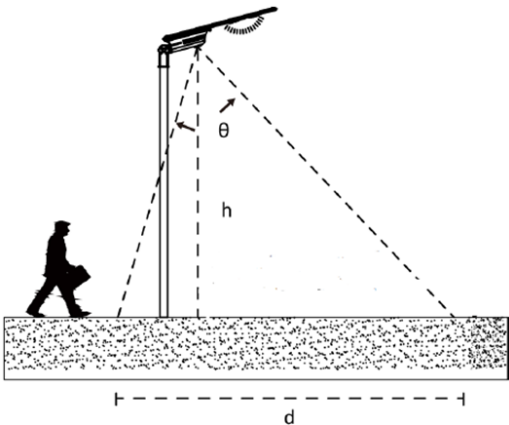
MOTION SENSOR



Microwave motion sensor
(included)

Motion sensor detection cone

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



ACCESSORIES

410485_Remote control for Ceres



410742_Cargador Ceres

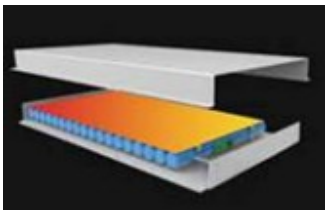


SPARE PARTS

Controller



410577_Battery 27W
410587_Battery 40W



Lithium LiFePO4 battery