



MAKO area light - SOLAR

20W Mako area light with pole-top 130W solar engine

Simple self-contained solar package including:
 Mako heavy duty area light - 20W
 Solar engine comprising 130W solar panel,
 cables, Lithium Ion batteries, smart controller.

130W Solar engine

Panel:

Third generation high performance modular design
 Double-sided 130W solar panel maximises light exposure

Battery compartments:

Lithium ion batteries - LiFePO₄. 768Wh / 60Ah capacity
 Battery compartments are secured under the panel

Smart Controller:

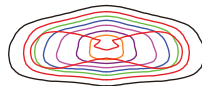
Smart controller manages power input and output

Rock-solid build structure:

Robust aluminium anti-corrosion frame structure
 316 grade stainless steel fixings
 Rated IP65 and IK08 for impact resistance.

Mako light fitting - 20W

Sleek design also prevents build up of corrosive materials.
 True industrial quality components for heavy duty
 Polycarbonate lenses - no glass.
 Rated IP67 and IK10.
 T2M Batwing lenses are standard,
 with T4M and other lens options available.



20W/130W system is standard.
 30W/130W system also available for some Northern locations.
 Consult your Tigerlight representative for more information.



Poles not included

MAKO
by tigerlight

Applications

- Solar lighting around industrial plants, mining camps, outbuildings, storage & loading yards, muster points, fuel points.
- Access gates, car parks, security perimeters, internal roads & tracks, walkways and crossings.



Mounting & Pole specifications

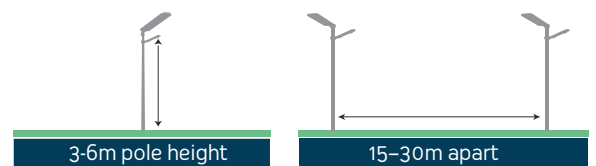
Face solar panel towards North.
 Orientate the Mako area light to the required direction.
 Plug and play cable connector supplied.
 Poles not included.
 Spigot sizes:
 Solar panel - 89mm
 Mako fitting - 34mm



X-bracket for solar engine

Mounting heights & spacings

Recommended Pole Height (m) Recommended Spacings (m)



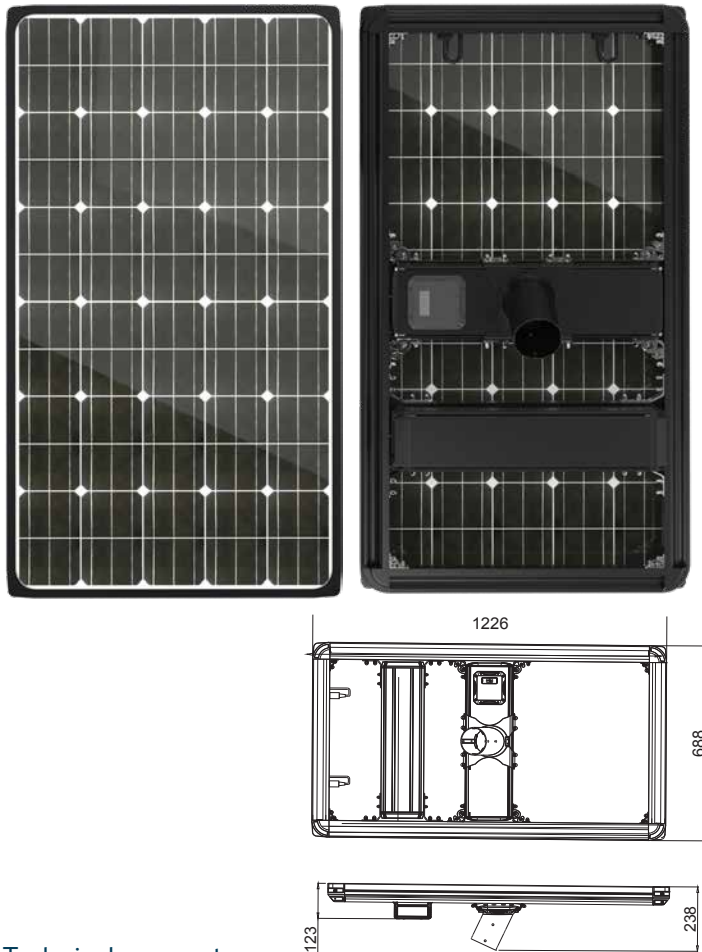
NB Poles not included



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130W Solar Engine



Mako Area Light



Technical parameters

130W Solar Engine		Mako Area Light	
Power of Solar Module	130W	Power consumption	20W
Type of solar panel	Dual-sided; anti-reflective coated glass	Input voltage	12V DC
Lithium Battery Capacity	768Wh / 60Ah	LED chips / DC to DC supply	Nichia / Meanwell
Output voltage	12.8V DC	Luminous flux / efficiency	3000lm. 140+ lm/W
Structural Composition	Aluminium frame and stainless 316 fixings	Colour temperature / CRI	5000K / RA >70
Net weight of panel	36kg	Light distribution	IES Type II Medium. T2M2 / T4M.
Dimensions	1226mm L x 688mm W x 123mm D	IP Rating	IP67
Controller type	Smart controller	Working temp / EPA	-40 to 50 °C / 0.076m2
Charge temperature	0 - 60°C	Service life / warranty	>50,000 hours / 3 years
Discharge temperature	-20°C - 60°C	Composition - lenses	Polycarbonate
Storage temperature	-20°C - 45°C	- Housing/heatsink	Cast Aluminium
Wind load rating	209 km/h	- Protective coating	Polyester (100µm min)
Exterior colour	Black	Spigot entry / spigot OD	37mm entry / spigot OD 32-35mm
Top of pole tenon OD	89mm	Exterior colour	Black
		Weight / Dimensions LxWxD	5.88kg / 495 x 200 x 75mm

Product codes - 20W Mako package
- 30W Mako package

SL020MAKOSOLAR
SL030MAKOSOLAR (Northern Australian locations only) **NB POLES NOT INCLUDED**