

CORSO
PRO



50W PANEL 26Ah BATTERY

30% LARGER PANEL
& 30% BRIGHTER
THAN CORSO SPLIT

INTRODUCING NEW CORSO PRO

50W SOLAR PANEL

26Ah / 312Wh BATTERY

UP TO 2100 lm OUTPUT

MAKO LUMINAIRE - CUSTOMISABLE CCT & LENSES

COMPLETE PLUG & PLAY SOLUTION

tigerlight

HIGH-PERFORMANCE
INDUSTRIAL LIGHTING



**SIMPLE OFF-GRID LIGHTING SOLUTION FOR:
PRIVATE ROADS . CARPARKS . PEDESTRIAN AREAS & PATHWAYS .
INDUSTRIAL . MINING & MINING CAMPS . FARMING . COASTAL .**



SIMPLE PLUG & PLAY
SYSTEM



T2M & T4M
LENS OPTIONS



5 CCT OPTIONS
INCLUDING AMBER



IK10
LIGHT HEAD



EXTREME TEMP
RANGE -20 to +65°C



BATTERY LIFESPAN
OVER 2000 CYCLES



3/5 YEAR
WARRANTY

SIMPLE PLUG & PLAY SOLAR SOLUTION

Split-type solar light with many real advantages.

Corso PRO is an optimal combination of components:

**50W solar panel with
26Ah lithium battery and
15W Mako light head.**

Better light output - 2100 lm, 700 lm in dim mode

**Better battery autonomy - 18 to 56 hours of operation
on a full charge, depending on traffic detections**

Microwave sensor - Up to 12m detection range

Multiple lens options - T2M and T4M lenses suit common applications

**Nominal CCT - 5000K is standard. Other options available:
2200K, 3000K, 4000K, Amber (turtle-friendly).**



PRE-PROGRAMMED FOR OPTIMUM PERFORMANCE

CORSO PRO is pre-programmed to achieve the optimum balance between light output and battery autonomy.

The standard program is simple and effective:

Auto-ON at dusk. Auto-OFF at dawn.

Runs at 100% output for 30 sec after movement detected. (100% Output is 2100 lm from 15W lamp power.)

Then reverts to dim mode at approx 33% max output. (Output is toggled down to 700 lm from 5W lamp power to preserve battery charge.)

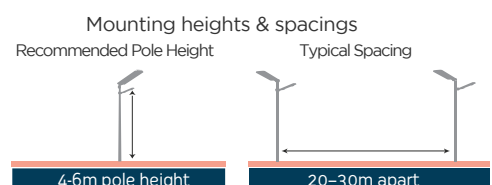
MOUNTING & POLE SPECIFICATIONS

Face solar panel towards North.

Orientate the Mako area light to the required direction.

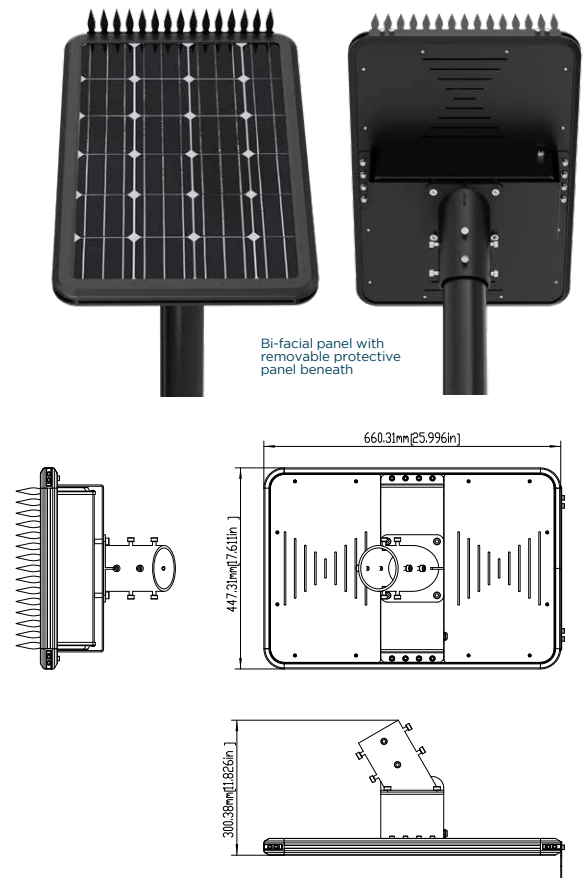
Pole height and distance between poles is determined by the environment to be lit and the lux levels required.

Tigerlight's lighting design team can produce a custom lighting design free-of-charge.



SOLAR UNIT

Solar panel:	50W, bi-facial panel type
Battery rating:	26Ah / 312Wh, Lithium Ion
Battery cycles:	>2000
Autonomy:	>3 days, based on 25% time in full brightness
IP / IK rating :	IP66 / IK08
Construction:	Panel: Aluminium, powder-coated Fixings: 304 stainless steel
Operating temp:	-20 to +65°C
Dimensions mm:	660 x 447mm. Weight 13kg
Spigot diameter:	Suits 76 - 89mm outer diameter
Cabling:	True Plug & Play connectivity. Solar unit pre-fitted with 2m of cable tail with 4-pin female connector pug
Warranty:	5 years on solar panel, 3 years on battery.



LIGHT HEAD

Output:	15W at 100%. Approx 5W in dim mode
Lumens:	2100 lm at 100% output. 700 lm in dim mode
LED chipset:	Nichia 3535
CCT options:	Options are 2200K, 3000K, 4000K, 5000K, Amber (Turtle-friendly)
Sensor:	Microwave motion sensor. Range up to 12m
Controller:	Built-in PWM smart controller manages light output
Pre-program:	Auto-ON at dusk. Auto-OFF at dawn Runs at 100% for 30 sec after movement detected Reverts to dim mode at approx 33% max output
IP / IK ratings:	IP67 / IK10
Dimensions:	495 L x 200 W x 79mm H. Weight 5.9kg
Spigot:	34mm internal diameter
Cabling:	Mako prefitted with 1m of cable tail with 4-pin male connector for Plug & Play connectivity.

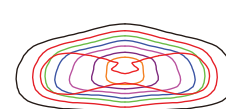


OPTICAL LENS OPTIONS

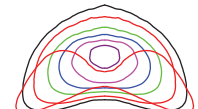
Both T2M and T4M lenses are available to suit all common applications.

NB A total of 12 lens options are available:

Square: T5M, T5W. Round: T10D, T20D, T30D, T60D, T90D. Asymmetric: T2M, T3S, T3M, T4S, T4M.



T2M lenses option



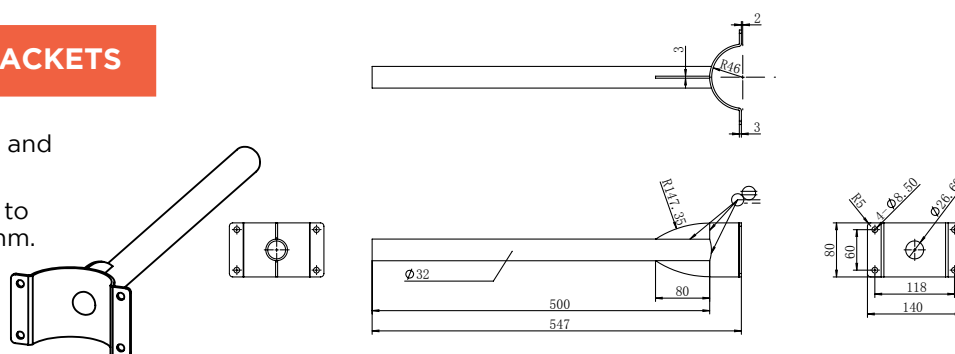
T4M lenses option

OUTREACH ARM & BRACKETS

Outreach arm is 500mm long and can be cut shorter if required.

Diameter of the arm is 32mm to suit Mako spigot entry of 34mm.

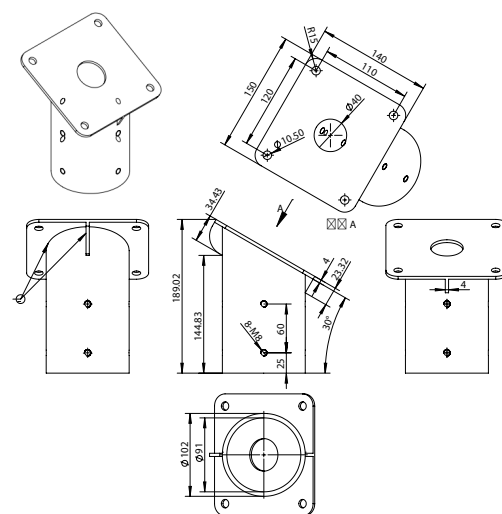
Radius of bracket to attach to pole is 46mm to suit a 90mm diameter pole.



Bracket to fit solar panel to top of pole has an internal diameter of 91mm.

Pole diameter required is between 76 and 89mm OD, utilising screws to accommodate the more narrow pole if necessary.

Bracket is angled at 30 degrees from horizontal for optimum exposure to the sun.



NB VERTICAL POLE NOT INCLUDED

SIMPLE PLUG & PLAY CONNECTIONS

CorsoPro provides a complete Plug & Play connector system. The Mako light head is prefitted with 1m of cable tail with a 4-pin male connector. Solar panel unit is pre-fitted with a corresponding 4-pin female connector on 2m cable tail.

TECHNICAL PARAMETERS

SOLAR PANEL	50W bi-facial, with removable shield beneath	MAKO AREA LIGHT	15W at 100% output. Approx 5W in dim mode
IP /IK rating	IP66 / IK08	Lumen output	2100 lm at 100% output. 700 lm in dim mode
Battery	26Ah / 312Wh Li-ion	LED chipset	Nichia 3535
Autonomy	>3 days, based on 25% time at full brightness	CCT options - standard & options	5000K std. 2200K, 3000K, 4000K, Amber (turtle)
Operating temp	-20 to +65°C	Optical lens options	T2M, T4M standard options. 10 others available
Service life of battery	>2000 cycles	Output cable (supplied)	1m tail with 4-pin male connector
Warranty	Solar panel - 5 years. Battery - 3 years	Controller	PWM smart controller built-in
Construction - housing / fixings	Powder coated aluminium / 304 stainless	IP / IK rating	IP67 / IK10
Dimensions inc bracket / Weight	660L x 447mmW / 13kg	Sensor	Microwave motion sensor. Range up to 12m
Spigot entry	Suits 76-89mm outer diameter	Operating temp	-20 to +65°C
Output cable (supplied)	2m tail with 4-pin female connector	Warranty	5 years warranty
OUTREACH ARM (supplied)	500mm long. Can be cut shorter if required	Construction housing / lenses	Powder coated aluminium / polycarbonate
Diameter	32mm diameter to suit Mako luminaire	Dimensions inc bracket / Weight	495L x 200W x 79mmH / 5.9kg
Bracket dimensions	46mm radius to suit a 90mm pole	Spigot entry	34mm
NB VERTICAL POLE NOT INCLUDED		PRODUCT CODES	SRCORSOPRO50-T2M / SRCORSOPRO50-T4M

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