

Proven road lighting luminaire powered by advanced solar technology



KEY ADVANTAGES

- > **Fully solar-powered lighting solution built on a trusted, proven design for areas where grid connection is unavailable**
- > **Wide range of light distributions to suit various project requirements**
- > **LensoFlex®4 versatile solutions providing a range of high-end photometries maximising comfort and safety**
- > **Independent settings (tilt and orientation) for solar panel and the luminaire itself, maximising both energy harvesting and photometric orientation.**
- > **Ground level sealed battery for optimum performance and longevity**
- > **Adaptive lighting enabled by motion sensor**

TECEO GEN2 SLR brings the proven photometric performance of the TECEO GEN2 solutions to solar lighting, combining visual continuity with fully autonomous operation where grid connection is unavailable.

By pairing the extensive range of TECEO GEN2 light distributions with solar energy, TECEO GEN2 SLR meets a wide variety of project requirements.

With an optional motion sensor, or a communication node, TECEO GEN2 SLR evolves from a standalone solar lighting solution into an intelligent urban asset, optimising lighting performance and reducing energy consumption.

The high-efficiency monocrystalline photovoltaic panel, available in 150 or 275 Wp with adjustable tilt, maximises energy harvesting throughout the year. The long-life LiFePO₄ battery is installed at ground level, ensuring optimal thermal conditions for long-term, maintenance-free operation.



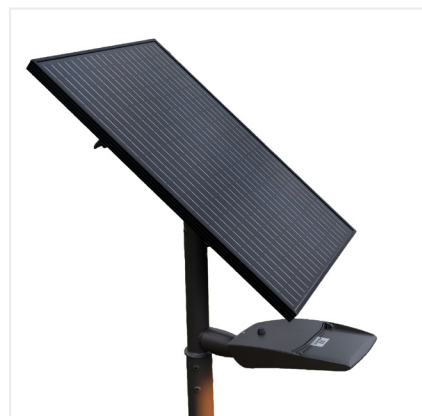
HIGHLIGHTS



Extends the trusted and recognised TECEO GEN2 design to off-grid and remote locations for consistent lighting quality across all areas.



Available with a wide range of photometric distributions to design the most appropriate solution for each project requirement.



High quality solar panels offering durable components and optimised energy harvesting.



Optimises solar energy consumption through adaptive lighting enabled by a motion sensor.





Toolless coded connectors for all connections.

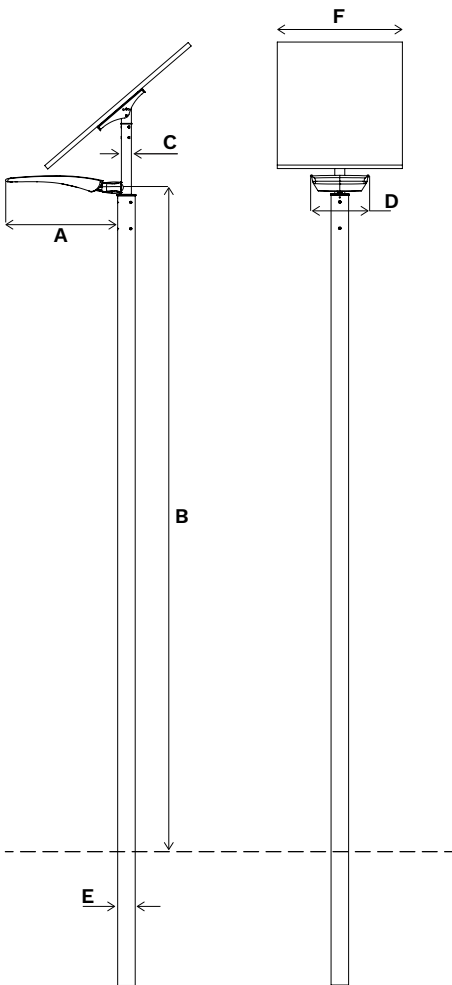


Ensures long-term reliability and security, thanks to its battery being installed underground.

RANGE

	PRODUCT	LIGHT POINT HEIGHT	ENERGY HARVESTING	ENERGY STORAGE	LUMINAIRE
	TECEO SLR S 150	4200mm 14ft	150Wp photovoltaic panel	LiFePo4 battery 512Wh (40Ah) 768Wh (60Ah)	1x 10 LED or 1x 20 LED module
	TECEO SLR S 275	5000mm 16ft	275Wp photovoltaic panel	1024Wh (80Ah)	
	TECEO GEN2 SLR 1 150	4200mm 14ft	150Wp photovoltaic panel	LiFePo4 battery 512Wh (40Ah) 768Wh (60Ah)	2x 20-LED modules
	TECEO GEN2 SLR 1 275	5000mm 16ft	275Wp photovoltaic panel	1024Wh (80Ah)	

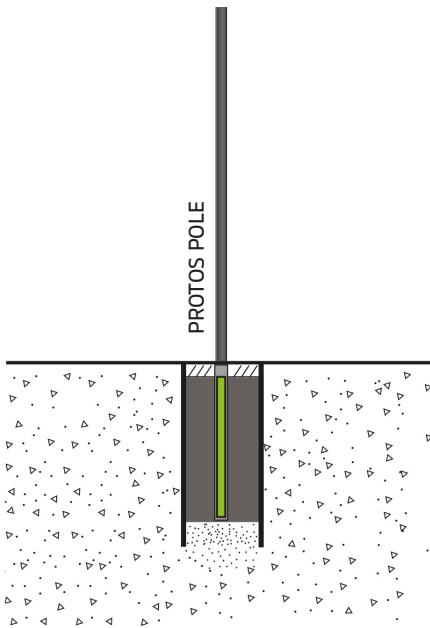
DIMENSIONS



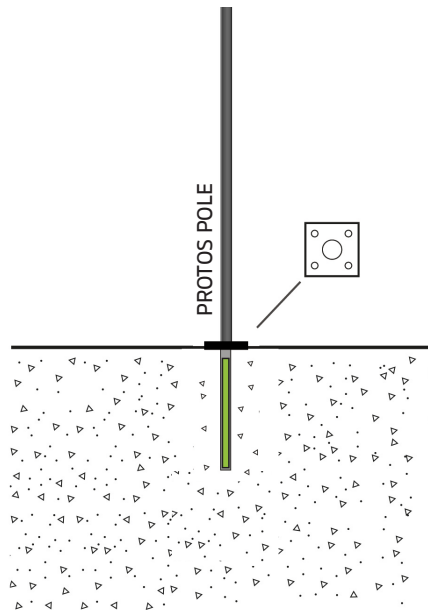
	A	B	C	D	E	F
	(mm inch)	(mm ft)	Ø (mm inch)	(mm inch)	Ø (mm inch)	(mm inch)
TECEO SLR S 150	593 23.3	4200mm 14ft	74 2.9	252 9.9	89 3.5	790 31.1
TECEO GEN2 SLR 1 150	874 34.4			429 16.9		
TECEO SLR S 275	571 22.4	5000mm 16ft		252 9.9	133 5.2	950 37.4
TECEO GEN2 SLR 1 275	836 32.9			429 16.9		

POLE MOUNTING

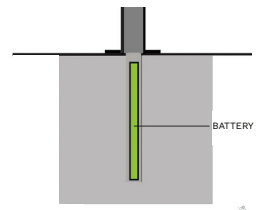
PIPE FOUNDATION



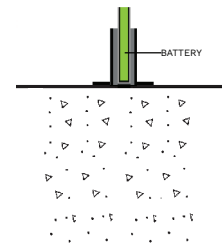
BASE PLATE



OPEN (ABO) In-ground battery



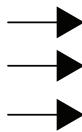
CLOSED (ABC) Over-ground battery



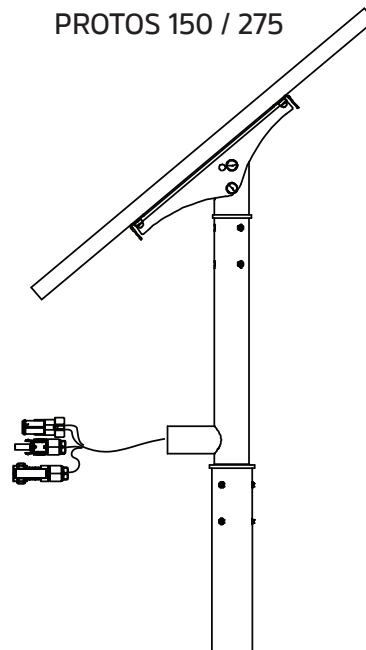
LUMINAIRE CONNECTION TO THE POLE

To streamline installation and minimise the risk of connection errors, TECEO GEN2 SLR is supplied pre-cabled with tool-free connectors.

TECEO GEN2 SLR



PROTOS 150 / 275



CHARACTERISTICS

GENERAL

CE Mark	Yes
Electrical class	Class III EU

MATERIALS

Pole	Galvanised steel
Luminaire	Aluminium
Finish	Polyester powder coating
Standard colour	AKZO 900 sanded grey*
Impact resistance	TECEO SLR S: IK09 TECEO GEN2 SLR 1: IK10

*any other RAL colour upon request

SOLAR PANEL

	PROTOS 150	PROTOS 275
Technology	Monocrystalline silicon cells	
Solar cell quantity	60 cells	110 cells
Frame	Anodised aluminium alloy	
Glass	3.2mm (0.13 in) tempered glass	
Power	150Wp	275Wp
Lifetime expectancy	25 years	

BATTERY

Technology	LiFePo4
Voltage	12.8V
Capacity	512Wh (40Ah) 768Wh (60Ah) 1024Wh (80Ah)
Operating temperature	-20°C to 60°C -4°F to 140°F
Autonomy	3 to 5 days
Tightness level	IPX8
Lifetime expectancy	>10 years

LED MODULE


Optic/protector	PMMA/glass
Tightness level	IP 66
LED colour temperature	2200K (Warm White 722) 2700K (Warm White 727) 3000K (Warm White 730) 4000K (Neutral White 740)
Colour rendering index (CRI)	>70
Upward Light Output Ratio (ULOR)	0%
Upward Light Ratio (ULR)	0%
Lifetime of the LEDs @ Tq 25°C	100,000h - L95

CONTROL

Motion sensor	Optional
Communication node	Optional

PERFORMANCE


TECEO SLR S



		Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
		Warm White WW 722		Warm White WW 727		Warm White WW 730		Neutral White NW 740				
Number of LEDs		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
	10		100	2700	100	3000	100	3200	100	3500	1	
20		700	5500	700	6000	800	6400	800	7000	8	42	201

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

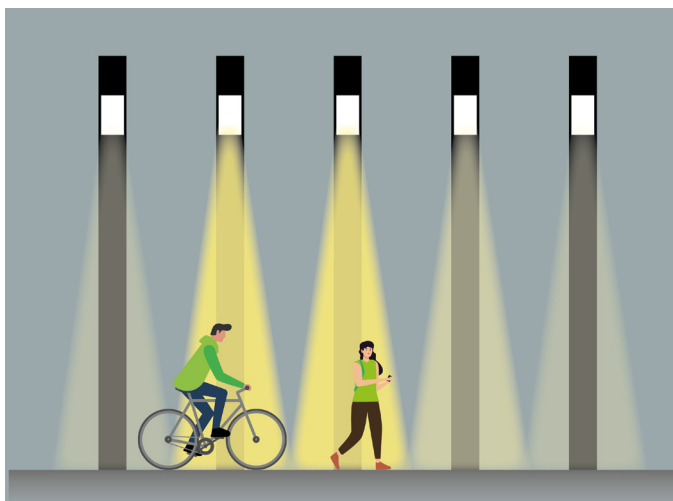
TECEO GEN2 SLR 1



		Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
		Warm White WW 722		Warm White WW 727		Warm White WW 730		Neutral White NW 740				
Number of LEDs		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
	40		900	11000	1000	12100	1100	12900	1200	14000	11	

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

ADAPTIVE LIGHTING



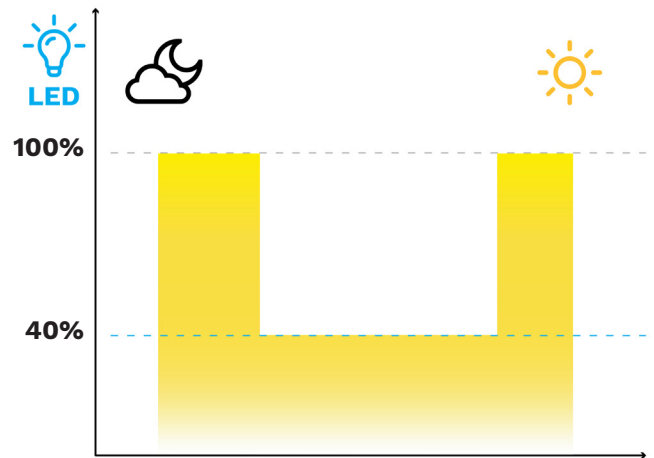
With advanced sensor technology and options for remote lighting control, light-on-demand features make a significant contribution to species conservation by actively reducing light pollution. These intelligent luminaires provide full light intensity only when needed, ensuring optimum visibility and safety. By dimming the lights during periods of low activity, they prevent over-dimensioning and eliminate the need for additional solar panels and larger batteries, making them an efficient and sustainable solution.

STANDARD DIMMING PROFILES*

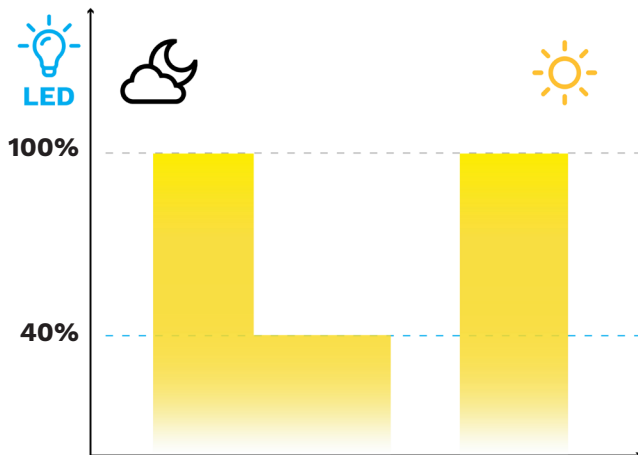
V3: all night 100%



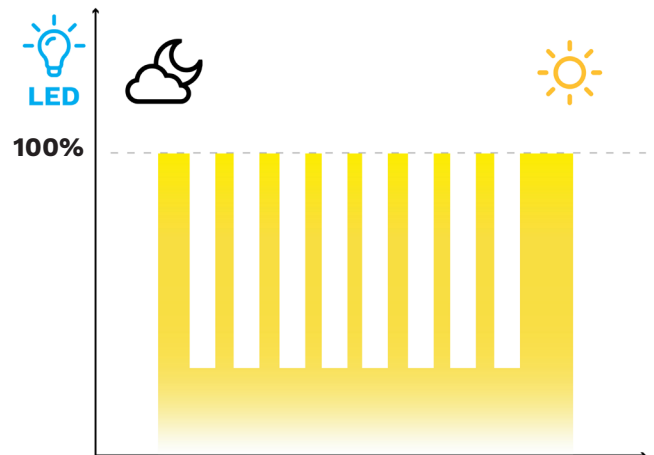
V4: night dimming to 40%



V5: partial switch OFF



Light on demand (sensor)



*Customised dimming profiles are available as an option.

LIGHT DISTRIBUTIONS

