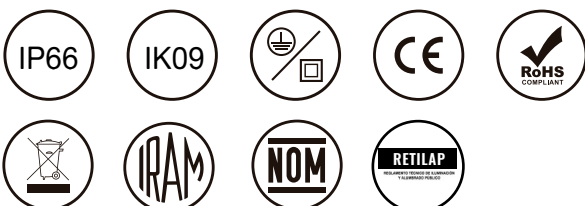
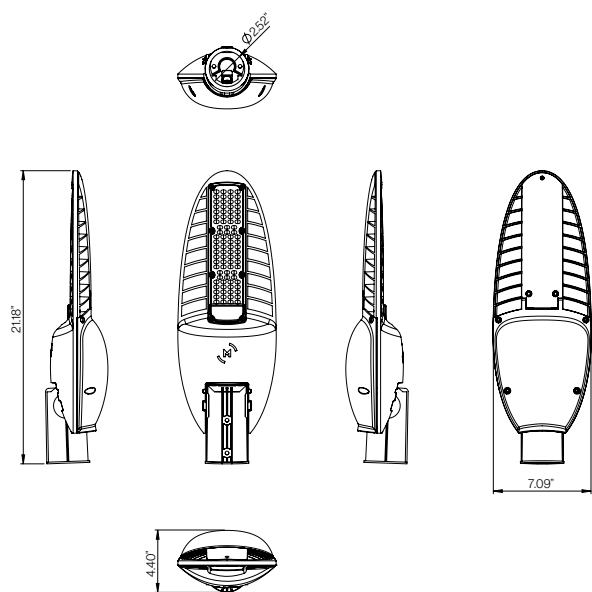


Modern, lightweight and compact LED street lighting luminaire with high efficiency to offer efficient lighting suitable for rural and urban environments.

TESLA Series GLO forms an innovative design that brings together all the technology designed by Moonoff to offer the customer a reliable and quality option.

It is the best solution to reduce the payback time of a project investment, being the return much faster than other options on the market.

DIMENSIONS



CONFIGURATOR

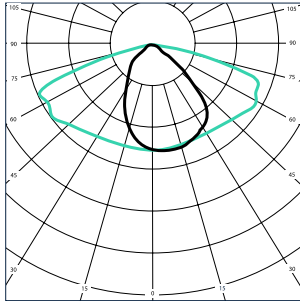
Model	Power	Optics	CCT	CRI	DRIVER	Elements	SPD	Class	RAL Color	Treatment
TSG 1 Serie 1	30 W	2M1 T.II media	PCA P Ambar	7 70	27PR 100-277VACProg.Reg.0-10V,PWM	CL Flat Cover	10S 10 kV	1 Class I	WH White RAL 9016	A2 250h AISI 304
	60 W	3L1 T.III long	27K 2700K	8 80		CS IP Cover		2 Class II	GY Gray RAL 7010	A4 250h AISI 316
	90W	3M1 T.IImedium	30K 3000K			S3 Socket 3 pines			** On request	B2 500h AISI 304
	***W	1M1 T.IImedium	40K 4000K			S5 Socket 5 pines				B4 500h AISI 316
		3S1 T.III shot	50K 5000K			S7 Socket 7 pines				C2 1000h AISI 304
										C4 1000h AISI 316
										D2 1500h AISI 304
										D4 1500h AISI 316
									** On request	

References	4000K	
	Lumens	lm/W
TSG1-30W3L1-40K7-27PR-CL10S-1_WH-A2	> 4 500	> 145
TSG1-60W3L1-40K7-27PR-CL10S-1_WH-A2	> 8 100	> 135
TSG1-90W3L1-40K7-27PR-CL10S-1_WH-A2	> 11 500	> 130

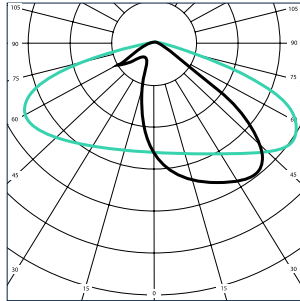
Power	Weight (lb)	Dimensions (inch)
30-60-90 W	6.17 (variable according to power)	21.18" x 7.09" x 4.40" (variable according to power)

NOTE: The luminous fluxes may vary depending on the selected configuration of the luminaire due to the different possibilities of electrical isolation, available optics and colorimetric and binning parameters of the LED diode.

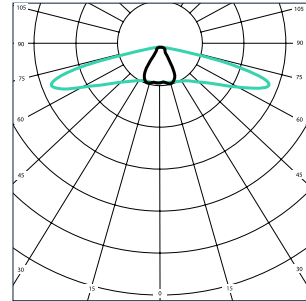
PHOTOMETRIC DIAGRAMS



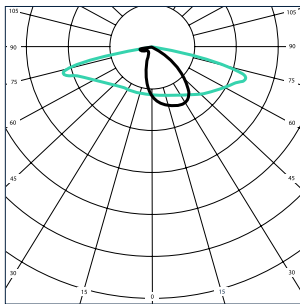
T1
cd/klm
— C0 - C180
— C90 - C270



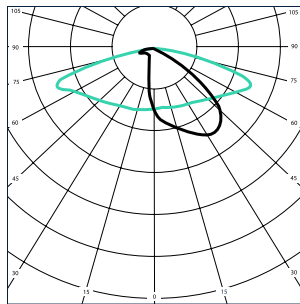
T2S1
cd/klm
— C0 - C180
— C90 - C270



T1M1
cd/klm
— C0 - C180
— C90 - C270



T2M1
cd/klm
— C0 - C180
— C90 - C270



T3M1
cd/klm
— C0 - C180
— C90 - C270

ELECTRIC

Voltage range	100 ~ 277 VAC
Frequency range	50 ~ 60 Hz
Power factor	> 0,9 (@230 VAC máx. Load)
THD	< 10 % (@230 VAC máx. Load)
Protection class	Class I - Class II
SPD	4kV (controller) 10kV (single device)
LED module input	600 mA max.
NEMA base	3/5/7 pins (optional)
System regulation	Programmable and dimmable controller 0-10V, PWM Fixed power programming Power jump programming (up to 5 jumps)

PHOTOMETRIC AND COLORIMETRIC

Efficacy	>190 lm/w (variable according to luminaire power)
Color temperature	Ambar 3000 K (warm white) 4000 K (neutral) 5000 K (cool daylight)
CRI	> 70 / > 80 (optional)
Chromaticity starts	SDCM <5
Lifetime	> 100 000 h
LOR	99%
Flow emitted to the upper hemisphere	0%

OPERATION CONDITION

Working temperature	-40°C ~ 40 °C
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MECHANICAL AND FUNTIONALS

Enclosure material	Injected aluminium
Optics material	PMMA
Shiel material	Tempered glass
Body finish	Epoxy-polyester powder paint
Color	White RAL 9016. Other RAL color on request
IP rating	66
IK rating	09
Installation	Electronic compartment access from the top allowing a comfortable start-up of the product
Recommended installation height	6-12 m
Pole / column diameter	62 mm máx.
Inclination	-5° ~ 10° (progressive)
Maximum projected area	0.033 m ²

ACCESSORIES

9900281 Fotocontrol NEMA 3pins

9900282 Fotocontrol NEMA 5pins

9900283 Fotocontrol NEMA 7pins

9900284 Short Circuit Cap

9900285 Open Circuit Cap

STRUCTURE

Aluminum body Injected with lateral fins that act as a heat sink to optimize the performance of the product. Featuring a tempered glass closure, the design allows access to the electronic compartment from the top, ensuring an installation comfortable and safe product. All the components that make up the luminaire are independent and interchangeable individually.

FINISHED

External treatment of the corrosion resistant metal casing on demand (ISO 9227). Paint thickness is greater than 60 µm guaranteeing high product resistance in the most demanding climates. AISI 304 stainless steel hardware. Possibility of manufacturing in different RAL colors and AISI 316 hardware.

OPTICS

Lenses are made with the latest generation materials which have a high light transmittance and a greater resistance than other on the market.

ELECTRICAL

The configuration is available on three powers (30W, 60W and 90W) using a high efficiency driver together with an LED module that has a large lm / W ratio to obtain a high-performance end product with optimum quality.

INSTALLATION

Mounting on a pole (horizontal) or column (vertical) by means of an arm integrated into the body of the luminaire. (See product installation manual).

CERTIFICATES

CE, NOM, IRAM, RETILAP.

NOTE:

Actual product performance may differ as a result of the end user application or environment. The values indicated have been measured under laboratory conditions at 25 °C. The specifications indicated in this document are subject to change without prior notice.



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