

GEO ST M



GEO ST M – SMART & SUSTAINABLE STREET LIGHTING

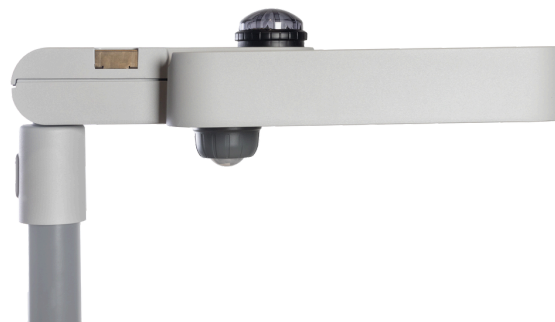
GEO ST M is a versatile, high-efficiency street luminaire designed for urban roads, residential areas, and pedestrian pathways. With its modern aesthetics, advanced optical control, and smart lighting compatibility, GEO ST M enhances urban environments with energy-efficient illumination and long-lasting durability.

GEO ST M



Description	Value
Power	Up to 70W
Luminous flux	Up to 12000lm
Correlated color temperature	3000K, 4000K, optional - TW(tunable white) and amber
CRI	RA 70
Light source	Integrated LED module
Housing	ADC12 die-cast aluminum, RAL 9006 standard, other RAL available on request
Cover Toughened	5mm glass (IK09)
Screws	304 stainless screws
Driver	Tridonic/TCI/Signify/Sosen/Inventronics
Electrical Class	Class I or Class II
Input voltage	198 - 264 VAC / 50-60Hz
Surge protection	6-10kV*
Functions	DALI-2, D4i, Chronostep
Connection	External cable (type, length vary on model or project requirements)
Installation bracket diameter	60mm
Compatibility of pole diameters	48mm / 60mm
Lifetime	100,000 h (at 25°C).
Ambient temperature	-40° to 40°C
Wind load	0.098m2
IP Rating	IP66
IK Rating	IK10
Size	594x232x78mm
Weight	7.2 kg
Certification	ENEC/ENEC+ coming April 2025
Warranty	5 years

* - depends on type of the surge

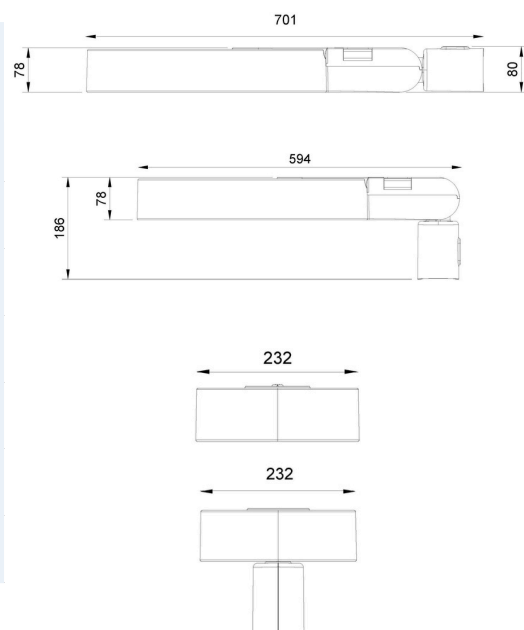


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Name	Power (W)	Efficacy (lm/W)	Luminous flux (lm)	Standard CCT (K)
GST M 10	10	167	1670	3000/4000
GST M 20	20	166	3320	3000/4000
GST M 30	30	161	4830	3000/4000
GST M 40	40	164	6560	3000/4000
GST M 50	50	171	8550	3000/4000
GST M 60	60	164	9840	3000/4000
GST M 70	70	160	11200	3000/4000

*: +/- 7%: variation on CCT and Optics can affect luminous flux



Key Features:

- Superior Optics - Advanced lens technology ensures precise light distribution, reducing glare and optimizing visibility for road safety.
- Energy Efficiency - Delivers up to 12000lm with power consumption up to 70W, utilizing high-efficacy LED modules for cost-effective and sustainable performance.
- Smart City Integration - Supports DALI-2, D4i, and Chronostep dimming, enabling adaptive lighting and seamless integration into smart urban networks.
- Robust & Weather-Resistant - Built with ADC12 die-cast aluminum housing, toughened 5mm glass (IK09/IK10), and IP66-rated protection, ensuring long-term resilience in harsh conditions.
- Versatile Installation - Compatible with 48mm / 60mm pole diameters, featuring an external cable connection adaptable to project needs.
- Long Lifespan & Reliability - Engineered for 100,000 hours of operation (at 25°C), with optimized thermal management for enhanced longevity and minimal maintenance.

Sustainability & Modularity

- Fully modular design with replaceable components for extended product life.
- Designed with low environmental impact and 100% recyclable materials.
- Tunable white (TW) and amber light options for adaptive and eco-conscious illumination.