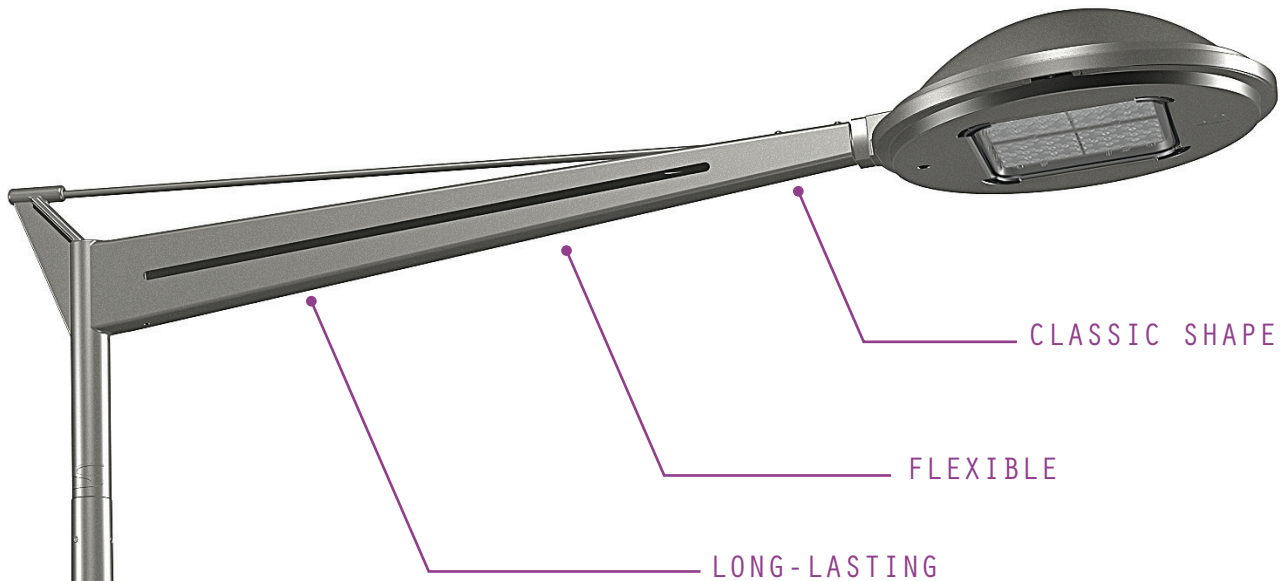


CITEA NG

TIMELESS DESIGN WITH
STATE-OF-THE-ART PERFORMANCE





ASSOCIATIONS

ESPACE VASARELY

STUDIO

NEW GENERATION NEW LIGHTING LEVELS NEW FEATURES

Completely redeveloped, the only feature that the Citea New Generation shares with its predecessor, is the pure design that easily blends into all types of rural and urban environments.

The Citea New Generation has been designed to incorporate the latest generation LEDs and optics. The mechanical design was smartly thought out to separate the LED module and the driver compartment to optimise thermal management. Thanks to this new design, the long life span of the LEDs is guaranteed and performance is assured over time.

The Citea New Generation is available in two sizes: Mini and Midi. The Mini, which can incorporate 8 to 48 LEDs is the ideal solution for lighting residential streets, urban roads and car parks while the Midi which can integrate 16 to 96 LEDs is perfect for main roads, avenues and squares.

With suspended or side-entry mounting options, the Citea New Generation can be installed on various brackets (simple, double, wall) and columns for a perfect integration into the landscape.



THE CITEA NEW GENERATION, INTEGRATING THE
LATEST TECHNOLOGIES IS THE SOLUTION THAT

- CONTRIBUTES TO A RATIONAL USE OF ENERGY
- SIGNIFICANTLY REDUCES OPERATIONAL COSTS
- GUARANTEES SUPERIOR PHOTOMETRIC PERFORMANCE



KEY ADVANTAGES

- Timeless and elegant design for rural and urban environments
- Two sizes available: Mini and Midi
- Protector in extra-clear tempered glass for high-performance
- Wide range of mounting options and brackets
- IP 66 tightness level
- Low energy consumption
- LensoFlex^{®2} photometric engine with photometry adapted to various applications
- ThermiX[®]: withstands high temperatures (Ta 40°C)
- FutureProof : easy replacement of photometric engine and power supply on-site
- Designed to incorporate the Owlet range of control solutions
- Surge protection 4kV (10kV as an option)
- ULOR < 1 % when luminaire is inclined $\leq 15^\circ$



KEY CHARACTERISTICS

	CITEA NG MINI	CITEA NG MIDI
Installation height	4 to 8 m	4 to 12 m
Typical luminaire output flux (range) ^(*)	1,100 to 11,000 lm	2,100 to 17,000 lm
Power consumption	10 to 107 W	20 to 153 W
Colour temperature	Warm, neutral or cold white	
Optical compartment tightness level	IP 66 ^(**)	
Control gear tightness level	IP 66 ^(**)	
Impact resistance (glass)	IK 10 ^(**)	
Nominal voltage	230V – 50Hz	
Electrical class	EU I or II ^(***)	
Weight	12kg	15kg
Materials		
Body + Crown	High-pressure die-cast aluminium, polyester powder coating	
Colour	AKZO grey 900 sanded Any other RAL or AKZO colour upon request	

^(*) The typical flux is an indicative luminaire flux @ t_j 25°C. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution). The flux depends on the type of LEDs used and is likely to change in accordance with the continuous and rapid developments in LED technology. To follow the progress of the luminous efficiency of the LEDs used, please visit our website.

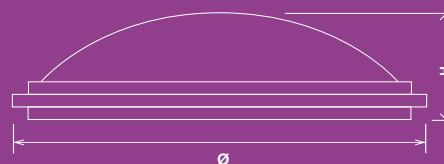
^(**) according to IEC - EN 60598 – ^(***) according to IEC - EN 62262

MAIN APPLICATIONS

PEDESTRIAN AREAS	STREETS	ROADS
Streets, paths and bike paths	Residential streets Shared zones, commercial streets in urban areas	Large roundabouts Avenues and boulevards Roads and motorway junctions
		

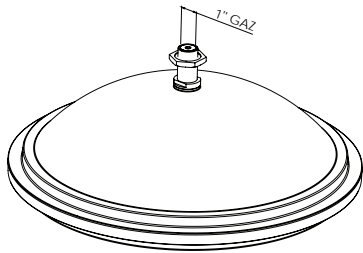
DIMENSIONS

	CITEA NG MINI	CITEA NG MIDI
Diameter (Ø)	500mm	595mm
Height (H)	160mm	185mm



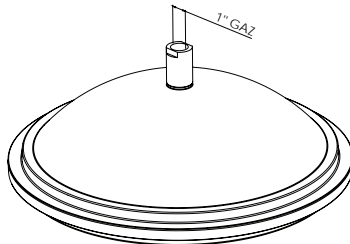
MULTIPLE MOUNTING OPTIONS

SUSPENDED MOUNTING - CITEA NG MIDI



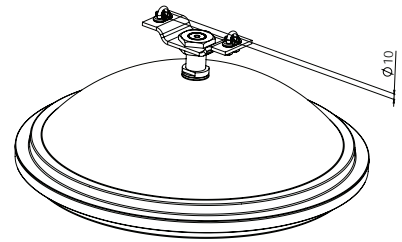
DIRECT

Male, on a spigot: a 1" BSP threaded tube (G34M)

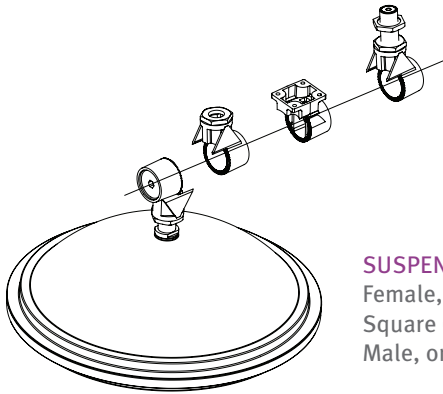


DIRECT

Female, on spigot: a 1" BSP threaded tube (G34)



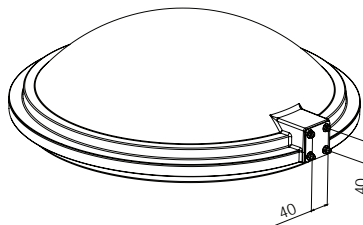
CATENARY



SUSPENDED MOUNTING WITH KNUCKLE JOINT

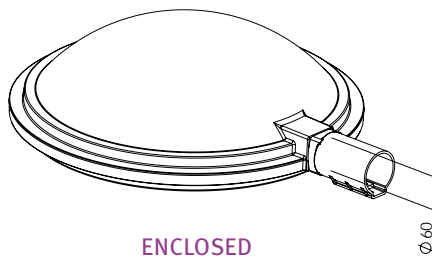
Female, on a 1" BSP threaded tube (G34F)
Square (50x60)
Male, on a 1" female threaded tube (G34M)

SIDE-ENTRY MOUNTING - CITEA NG MINI AND MIDI



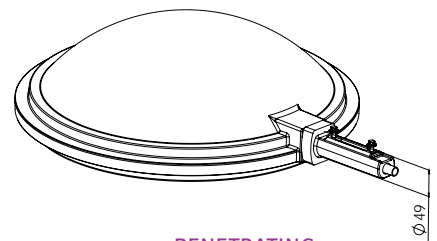
DIRECT

Square (C40x40)



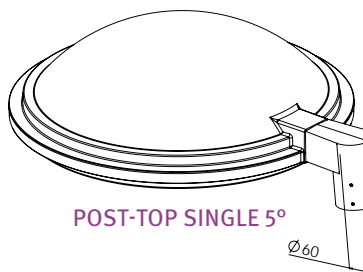
ENCLOSED

Female, on a plain spigot (D60F)

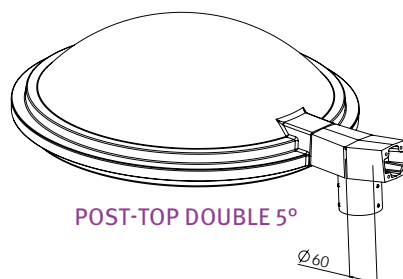


PENETRATING

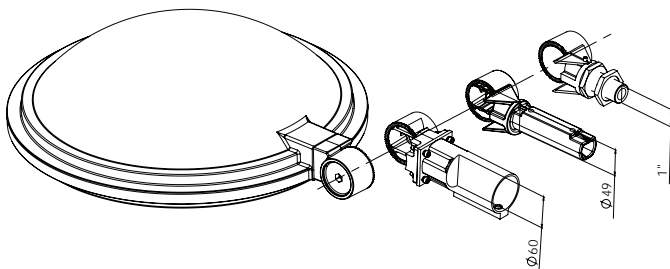
Male, on a female spigot (D60M)



POST-TOP SINGLE 5°



POST-TOP DOUBLE 5°



MOUNTING WITH KNUCKLE JOINT

Female, on a plain spigot (D60F)
Male, on a female spigot (R/D60M)
Male, on a 1" BSP threaded tube (R/G34M)

BRACKETS AND POLES



Non-exhaustive list. The Citea NG can be mounted on many brackets and poles.





owlet



READY TO BE A SMART CITY?

ONE OF THE MAJOR CONCERNS FOR CITIES IS THE REDUCTION OF PUBLIC EXPENDITURE. A LARGE CHUNK OF THIS SPENDING GOES ON ENERGY BILLS, WITH PUBLIC LIGHTING ACCOUNTING FOR 40% OF THE TOTAL. THANKS TO OWLET, THE SMART CONTROL SOLUTIONS OFFERED BY SCHRÉDER, CITIES AND BUILDING MANAGERS CAN REDUCE THEIR ENERGY BILLS BY UP TO 85%.

IN ADDITION, THEY MANAGE EXPENSES MORE EFFICIENTLY, IMPROVE MAINTENANCE AND ASSET MANAGEMENT AND PROVIDE INCREASED SAFETY WITH ENHANCED WELL-BEING FOR THEIR CITIZENS.

OWLET CONTROL SOLUTIONS



STAND-ALONE SOLUTIONS

RECOMMENDED FOR BASIC SMART LIGHTING

Each luminaire is fitted with a control unit and can be managed independently.

This type of control system is ideal for areas with little activity at night such as pedestrian areas, parks, car parks and warehouses. Owlet stand-alone solutions encompass :

- › intelligent drivers with features such as an astronomical clock for a constant adaptation of the dimming profile, constant light output to eliminate overlighting and scheduled dimming with multi-level programmes ;
- › integrated photocells to switch the luminaire on or off following the level of natural light ;
- › motion and speed detection sensors that enable interactive dimming.



AUTONOMOUS NETWORK

RECOMMENDED FOR NON-LINEAR ACTIVITY AREAS

The Autonomous Network Dimming system enables luminaires to communicate together in a wireless network to provide dynamic profile dimming. The dimming profile can easily be changed by simply connecting wirelessly a laptop to one luminaire without using any tools. The new configuration will be deployed to all the luminaires in the network.

This system can be enhanced with motion and speed detection sensors. When motion is detected, the detection scenario supplants the dimming scenario to provide safety and comfort for users. The sensors can be centralised or decentralised.

Each luminaire is fitted with a control unit and can be managed independently. The autonomous network is perfectly suited to streets, roads, squares, parks, sport fields etc.



INTEROPERABLE NETWORK

RECOMMENDED FOR ENTIRE LIGHTING INSTALLATIONS (ROADS, STREETS, TUNNELS,...)

The Schröder Owlet Nightshift is a remote control system for monitoring, metering and managing a lighting network. It is a unique combination of state-of-the-art technology and an easy-to-use web interface to control each luminaire at all times from anywhere in the world. Thanks to bi-directional communication, the operating status, energy consumption and possible failures can be monitored.

Thanks to its open source Zigbee technology and its flexible MySQL workflow, the Nightshift system can easily be associated to third party systems through data bridges. This flexibility increases the functionalities far beyond lighting.



SAFETY



WELL-BEING



SUSTAINABILITY



SAVINGS



SOLUTIONS



Schröder



www.schreder.com