

CITRINE



Visual guidance and creation of a pleasant atmosphere

CITRINE is designed to take up the challenge of providing an efficient visual guidance and creating a pleasant atmosphere.

This high-quality and cost-effective lighting solution is available in 3 sizes (Micro, Mini and Midi) and with 2 photometrical options; a symmetrical distribution and an asymmetrical distribution. Both can be fitted with a diffuse protector for maximised comfort or with a clear protector for high performance.

The photometry has been designed to maximise the spacing between the bollards and thus lower the investment.



IP 66

IK 10



CE

UK
CA



Concept

Composed of an aluminium body and a polycarbonate protector, CITRINE offers a robust yet aesthetic solution for visual guidance and the creation of ambiance.

This bollard is available in 3 sizes (Micro, Mini and Midi) and with 2 photometrical options: a symmetrical distribution and an asymmetrical distribution. Both use indirect lighting with internal reflectors to provide the requested visual comfort for low-height applications.

The photometry has been designed to maximise the spacing between the bollards - up to 12m/39' for class P6 in full compliance with EN 13201 and CIE 115 recommendations - and thus lower the investment.

CITRINE is available with a diffuse protector for maximised comfort or with a clear protector for high performance.

CITRINE is ideally suited for ground mounting with bolts on a round plate. CITRINE Micro can also be installed on a dedicated wall bracket. As an option, a bolt-cage for casting concrete and a bolt-on root for soft ground are also available.



CITRINE is designed for ground mounting with bolts on a round plate



CITRINE Micro can be mounted on a wall bracket

TYPES OF APPLICATION

- BRIDGES
- BIKE & PEDESTRIAN PATHS
- CAR PARKS
- SQUARES & PEDESTRIAN AREAS

KEY ADVANTAGES

- Compact and versatile
- Maximised savings in energy and maintenance costs
- Diffuse protector for visual comfort and ambiance/clear protector for pathway lighting
- Thermix® and LEDSafe® for long lasting performance
- Easy installation
- Surge protection 10kV (optional)



The drawer-type control gear plate is easy to access for maintenance



As an option, a protection grid or a 120° light shield can be added

GENERAL INFORMATION

CE mark	Yes
ENEC certified	Yes
ROHS compliant	Yes
French law of December 27th 2018 - Compliant with application type(s)	b, c, d, f, g
UKCA marking	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium
Protector	Polycarbonate
Housing finish	Polyester powder coating
Standard colour(s)	AKZO grey 900 sanded
Tightness level	IP 66
Impact resistance	IK 10

OPERATING CONDITIONS

Operating temperature range (Ta)	-20°C up to +50°C / -4°F up to 122°F
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· Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	120-277V – 50-60Hz 220-240V – 50-60Hz
Surge protection options (kV)	4 10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61547

OPTICAL INFORMATION

LED colour temperature	3000K (Warm White WW 830) 4000K (Neutral White NW 740)
Colour rendering index (CRI)	>80 (Warm White WW 830) >70 (Neutral White NW 740)

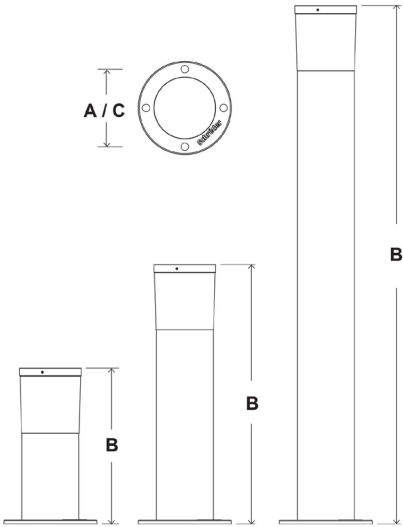
LIFETIME OF THE LEDS @ TQ 25°C

All configurations	50,000h - L70
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DIMENSIONS AND MOUNTING

AxBxC (mm inch)	CITRINE MICRO : 150x300x150 5.9x11.8x5.9 CITRINE MINI : 150x500x150 5.9x19.7x5.9 CITRINE MIDI : 150x1000x150 5.9x39.4x5.9
Weight (kg lbs)	CITRINE MICRO : 2.0 4.4 CITRINE MINI : 2.8 6.2 CITRINE MIDI : 4.4 9.7
Mounting possibilities	On-ground mounting Casting into concrete Bolt-on root Wall-mounted

· For more information about mounting possibilities, please consult the installation sheet.





		Luminaire output flux (lm)				Power consumption (W)		Luminaire efficacy (lm/W)
		Warm White WW 830		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Up to	
10	400	400	500	500	6	6	95	
20	600	800	800	1100	9	9	124	

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %



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