

ZYLINDO



A classic design integrating the latest technology

With two timeless aesthetic designs, Zylindo blends into any kind of urban environment.

Zylindo has been designed to provide an efficient and sustainable lighting for various urban applications. With a very high degree of impact resistance and a high tightness level, this luminaire is built to withstand harsh environmental conditions and vandalism to perform over time.

The elegant cylinder shape with a 360° clear protector hosts the latest evolution of the proven LensoFlex®2 photometric engine, providing symmetrical and asymmetrical light distributions. Zylindo is available as a smooth cylinder or with a large canopy.

Both versions are delivered pre-wired. They offer tool free access to the optical unit and gear compartment to facilitate maintenance operations.



IP 66

IK 10



6/8kV



CE



RoHS



RESIDENTIAL STREET



SQUARE



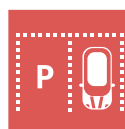
NARROW ROAD



URBAN ROAD



BIKE PATH



CAR PARK

CONCEPT

Zylindo is a timeless decorative post-top luminaire designed for mounting at a height of between 3 and 6 metres. The luminaire is composed of three main parts made of high-pressure die cast aluminium; a lower section integrating the gear compartment and the fixation for a Ø60mm or Ø76mm spigot, an upper body part and a top cap.

The large canopy version incorporates a round shade made of aluminium with white paint on the lower half as a flux enhancer.

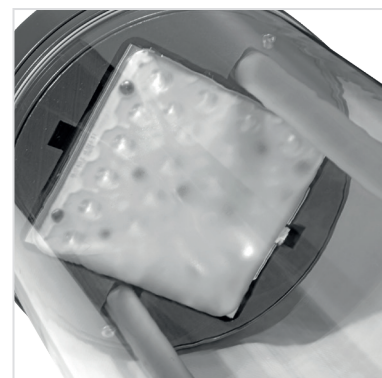
The 360° protector is made of UV-stabilised polycarbonate. It hosts the photometric engine and two oval rods in extruded aluminium connecting the bottom to the top of the luminaire. The power cable for the LEDs is hidden inside these hollow rods.

Zylindo offers tool free access for maintenance. The photometric engine fixed on an extruded aluminium heatsink can be accessed by pinching two stainless steel spring locks. A reusable extruded gasket ensures that the luminaire can be closed in a safe and easy manner after maintenance and guarantees the high tightness level. Multipole disconnectors enable the gear tray to be easily removed, without any tools, after opening the top cap and pulling out the photometric engine.

Zylindo combines the energy efficiency of LED technology with the photometric performance of the LensoFlex®2 concept developed by Schröder. To reduce the subjective perception of glare, an internal diffuser is available as an option.



Zylindo offers tool free access for maintenance.



As an option, an additional diffuser can be integrated for superior visual comfort.



Zylindo is delivered pre-wired for mounting on a Ø60mm (with an accessory) or Ø76mm spigot.

TYPES OF APPLICATION

- Square and pedestrian area
- Park
- Car park
- Residential street
- Bike path
- Urban road and street

KEY ADVANTAGES

- Elegant and robust design with 2 aesthetic versions
- State-of-the-art LED technology for low energy consumption
- LensoFlex®2 photometrical engine providing asymmetrical and symmetrical lighting distributions
- Optional internal diffuser for high visual comfort
- Designed for mounting on both Ø60mm (with an accessory) and 76mm spigots
- Supplied pre-wired to facilitate installation

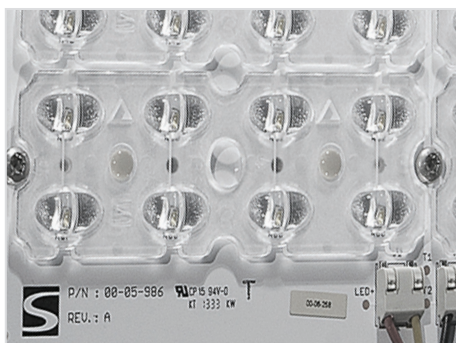


The electronics can be serviced without using any tools thanks to a removable gear tray.



LensoFlex®2

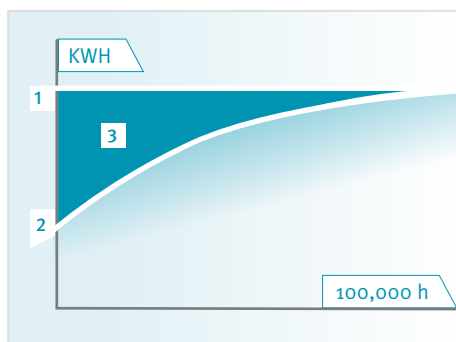
LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire. The number of LEDs in combination with the driving current determines the intensity level of the light distribution.





Constant Light Output (CLO)

This system compensates for the depreciation of luminous flux to avoid excess lighting at the beginning of the installation's service life. The luminous depreciation that takes place over time must be taken into account to ensure a predefined lighting level during the luminaire's useful life. Without a CLO feature, this simply means increasing the initial power upon installation in order to make up for luminous depreciation. By precisely controlling the luminous flux, one can control the energy needed to reach the required level - no more, and no less - throughout the luminaire's life.

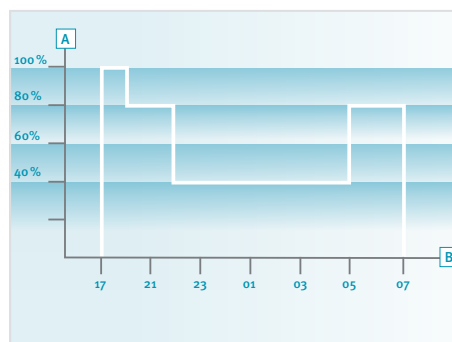


1. Standard lighting level
2. LED lighting consumption with CLO
3. Energy savings



Custom dimming profile

Intelligent luminaire drivers can be programmed in the factory with complex dimming profiles. Up to 5 combinations of time intervals and light levels are possible. This feature does not require any extra wiring. The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



- A. Performance
- B. Time

GENERAL INFORMATION

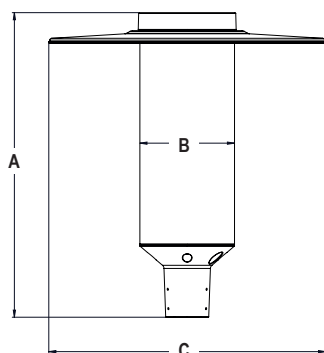
Recommended installation height	3m to 6m 9' to 19'
Driver included	Yes
CE mark	Yes
ENEC certified	Yes
ROHS compliant	Yes
Testing standard	LM 79-80 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	High-pressure die-cast aluminium
Optic	PMMA
Protector	Polycarbonate
Housing finish	Polyester powder coating
Colour	DB 703 dark grey
Tightness level	IP 66
Impact resistance	IK 10
Vibration test	Compliant with modified IEC 68-2-6
Access for maintenance	By pinching two stainless steel spring locks on the top cover

DIMENSIONS AND MOUNTING

AxBxC (mm inch)	708x220x644 27.9x8.7x25.3
Weight (kg lbs)	7.8 15.4 (smooth cylinder version) 9.2 20.3 (large canopy version)
Aerodynamic resistance	0.027 (smooth cylinder version) 0.24 (large canopy version)
Standard mounting	Post-top on a Ø76mm (3") with 80mm (3") long spigot
Optional mounting	Post-top on a Ø60mm (2") with 95mm (3.5") long spigot



ELECTRICAL INFORMATION

Electrical class	EU class II
Nominal voltage	220-240V – 50-60Hz
Power factor	> 90% at full load
Surge protection	6/8kV (10kV optional)
Electromagnetic compatibility (EMC)	EN 61547 / EN 61000-4-2,-3,-4,-5,-6,-11 / EN 55015, 61000-3-2,-3
Control options	No dimming, bi-power, custom dimming, CLO, DALI

OPTICAL INFORMATION

LEDs colour temperature	3000K (Warm white) 4000K (Neutral white)
Colour rendering index (CRI)	> 80 (Warm white) > 70 (Neutral white)
Upward Light Output Ratio (ULOR)	<1%

OPERATING CONDITIONS







Operating temperature range (Ta)	-30 °C up to +50 °C ^(*) -22 °F up to 122 °F ^(*)
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^(*) Depending on the luminaire configuration. For more details, please contact us.

LIFETIME OF THE LEDS @ TQ 25°C

For all configurations	100,000h – L90
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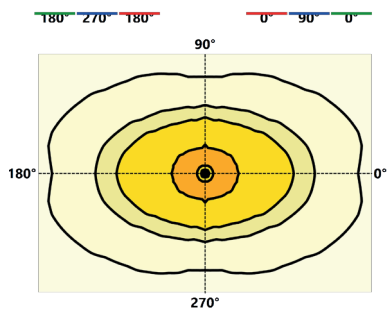
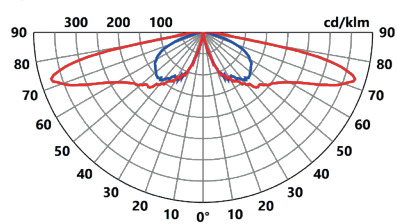


			Luminaire output flux (lm) Neutral White (4000K) - CRI 70	Luminaire output flux (lm) Warm White (3000K) - CRI 80	Power consumption (W)	Luminaire efficacy (lm/W)	
Luminaire	Number of LEDs	Current (mA)				Up to	Photometry
ZYLINDO	16	350	2000	1800	19.2	106	
	16	500	2700	2400	26.8	102	
	16	700	3500	3100	37.5	94	
	24	350	3000	2700	27.5	111	
	24	500	4000	3700	38.9	106	
	24	700	5200	4700	55.5	95	

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



5068 SYM



5103 ASY

