

MY1 LED



Flexible and beneficial LED alternative to fluorescent tubes

Combining robustness, efficiency and flexibility, MY1 LED is a sustainable alternative to fluorescent tubes for lighting indoor areas such as industrial halls, warehouses, tunnels and car parks.

Thanks to its modern, sleek design, MY1 LED creates pleasant environments while offering safety and visual comfort.

Designed to provide operational benefits for site managers, this state-of-the-art LED linear lighting solution is characterised by its long lifetime, high efficiency, minimised energy costs, free maintenance requirements and quick installation.

IP 67

IK 10



CE



Concept

The MY1 range of luminaires offers a solution for applications requiring robust materials and easy maintenance.

MY1 LED is composed of aluminium and polycarbonate and has a high IK 10 impact resistance. Its simple yet functional design provides long lasting performance; withstanding the heat, cold and humidity in harsh environments such as tunnels, industrial halls and underground platforms.

The MY1 LED is available in 4 different sizes to offer maximum flexibility. Thanks to the long lifetime of the LED engine and the extra-high IP 67 tightness level, the MY1 LED delivers high performance in the long term with no need for any internal cleaning. As an option, MY1 LED can integrate a back-up battery (for up to 3 hours).

MY1 LED benefits from the latest Schröder LensoFlex® LED engines, delivering high photometric performance with a wide range of lighting distributions. This feature not only generates profitable energy savings, it also allows MY1 LED to suit a large type of lighting projects. No matter the challenge, MY1 LED delivers.



Available in 4 sizes for flexibility.



Housing in extruded aluminium protected by anodization (class 15).

TYPES OF APPLICATION

- TUNNELS & UNDERPASSES
- CAR PARKS
- INDUSTRIAL HALLS & WAREHOUSES

KEY ADVANTAGES

- Robust luminaire to replace fixtures with T5/T8 fluorescent tubes
- Extra high tightness level (IP 67)
- Versatile mounting options
- LensoFlex®4 versatile solutions for high-end photometries maximising comfort and safety
- 4 sizes for flexibility



MY1 LED can be ceiling or sidewall mounted, installed on rail or cable tray.



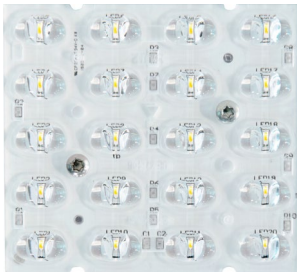
Equipped with the latest photometric engines in a robust design to provide high performance in any type of environment.



LensoFlex®4

LensoFlex®4 maximises the heritage of the LensoFlex® concept with a very compact yet powerful photometric engine based upon the addition principle of photometric distribution. The number of LEDs in combination with the driving current determines the intensity level of the light distribution. With optimised light distributions and very high efficiency, this fourth generation enables the products to be downsized to meet application requirements with an optimised solution in terms of investment.

LensoFlex®4 optics can feature backlight control to prevent intrusive lighting, or a glare limiter for high visual comfort.

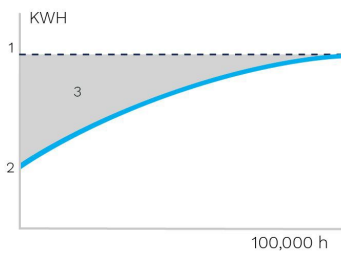




Constant Light Output (CLO)

This system compensates for the depreciation of luminous flux to avoid excess lighting at the beginning of the installation's service life. Luminous depreciation 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, the energy needed to reach the required level can be maintained throughout the luminaire's life.



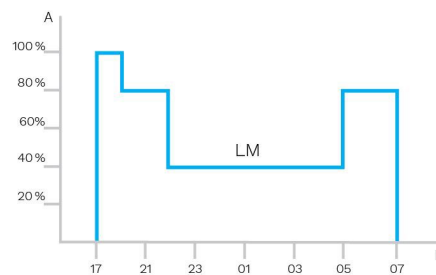
1. Standard lighting level | 2. LED lighting consumption with CLO | 3. Energy savings



Custom dimming profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. Up to five 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. Dimming level | B. Time

GENERAL INFORMATION

Recommended installation height	3m to 8m 10' to 26'
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Circle Light label	Score between 60 and 90 - The product meets most of circular economy requirements
Driver included	Yes
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
Testing standard	EN 60598-2-1 EN 62262 LM 79-08 (all measurements in ISO17025 accredited laboratory) IEC 62493 IEC 62471

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Polycarbonate
Housing finish	Anodised aluminium
Tightness level	IP 67
Impact resistance	IK 10
Vibration test	Compliant with modified IEC 68-2-6 (0.34G)

OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +50°C / -22°F up to 122°F with wind effect
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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	220-240V – 50-60Hz
Surge protection options (kV)	4 10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Control protocol(s)	1-10V, DALI
Control options	Bi-power, Custom dimming profile
Emergency	Optional integrated battery

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	100,000h - L95
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· Lifetime may be different according to the size/configurations. Please consult us.

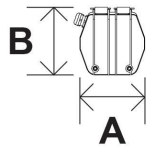
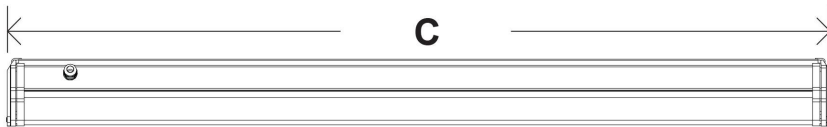
DIMENSIONS AND MOUNTING

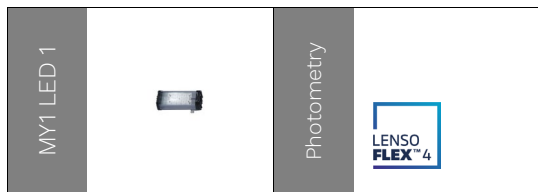
AxBxC (mm inch)	MY1 LED 1 : 126x131x295 5.0x5.2x11.6
	MY1 LED 2 : 126x131x462 5.0x5.2x18.2
	MY1 LED 3 : 126x131x672 5.0x5.2x26.5
	MY1 LED 4 : 126x131x881 5.0x5.2x34.7

Weight (kg lbs)	MY1 LED 1 : 1.4 3.1
	MY1 LED 2 : 2.1 4.6
	MY1 LED 3 : 3.2 7.0
	MY1 LED 4 : 3.9 8.6

Mounting possibilities	Clips for surface/wall mounting
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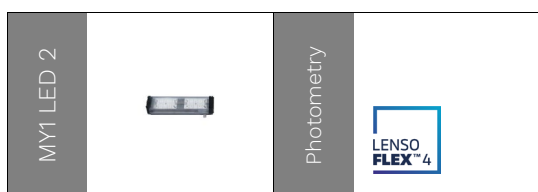
· For more information about mounting possibilities, please consult the installation sheet.





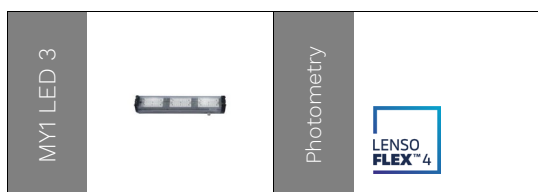
	Luminaire output flux (lm)				Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 830		Neutral White NW 740		Min	Max	
Number of LEDs	Min	Max	Min	Max	Min	Max	Up to
20	1300	3500	1500	4000	13	29	152

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



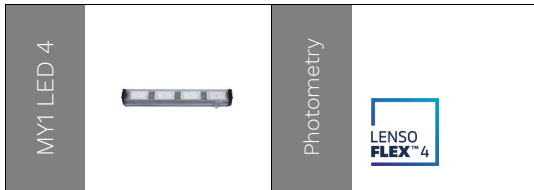
	Luminaire output flux (lm)				Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 830		Neutral White NW 740		Min	Max	
Number of LEDs	Min	Max	Min	Max	Min	Max	Up to
40	3200	6500	3600	7300	25	50	172

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



	Luminaire output flux (lm)				Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 830		Neutral White NW 740		Min	Max	
Number of LEDs	Min	Max	Min	Max	Min	Max	Up to
60	4400	9600	4900	10800	35	72	170

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



	Luminaire output flux (lm)				Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 830		Neutral White NW 740		Min	Max	
Number of LEDs	Min	Max	Min	Max	Min	Max	Up to
80	6100	13100	6900	14800	46	96	174

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

