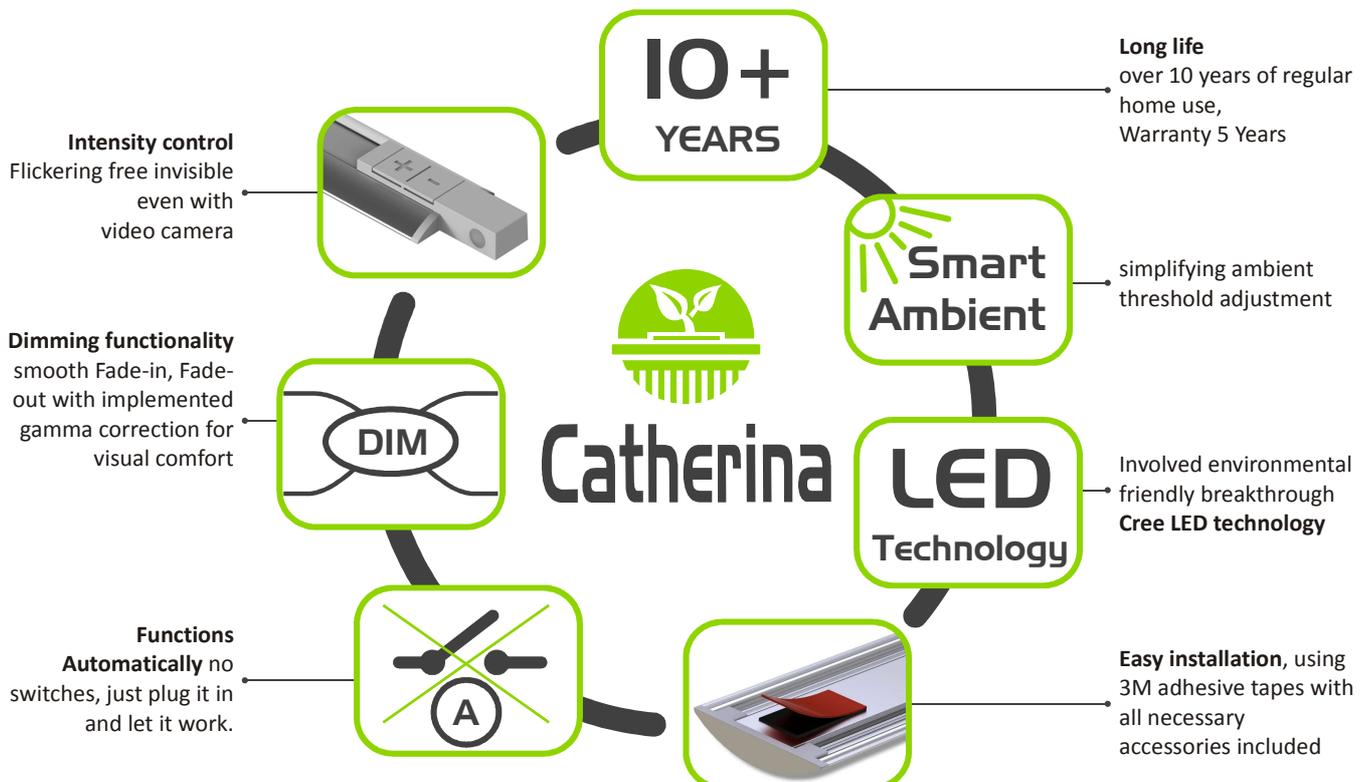


# Catherina smart LED fixture

With the improvement of LED (Light Emitting Diode) efficiency and their light output have opened a new area for high efficient lighting with long lifetime. Catherina presents an autonomous indoor lighting which utilizes the recent advantages in LED technology. This luminaire is designed to be used as a compact light source with high efficiency, long life time and smart autonomous behavior. Due to its compact size, almost any design idea can be accommodated and realized. With the implementation of a high sensitive PIR detector, Catherina behaves autonomously. Luminaire electronics distinguish between day and night, meaning the user can precisely select the threshold value for minimal ambient light, (the point when you need artificial illumination). If the ambient light is below this threshold level (getting dark), and movement is detected, light is continuously increased and switched on. After approximately 30 seconds, when there is no movement, it is slowly faded-out and finally switched off. Thanks to advanced LED technology, Catherina offers almost homogeneous lighting over the whole projection area with minimal power requirements and life expectancy above 50, 000 hours. Catherina could save more than 60% on electricity consumption compared to halogen and fluorescent light sources and is

environmental friendly (no mercury content, and compliance with RoHS directives). Catherina requires NO maintenance other than normal dusting/cleaning during whole product life.

- ✓ **Functions Automatically**, no switches, plug it in and let it work.
- ✓ **Efficient solution, Low power consumption**, uses less than 60% of the electricity when compared to halogen or incandescent lighting.
- ✓ **Long life** over 10 years of regular home use.
- ✓ **Maintenance free**
- ✓ **High resolution intensity control** with flickering elimination (invisible even to a video camera)
- ✓ Built-in microcontroller with **dimming function**, smooth Fade-in, Fade-out with gamma correction for visual comfort
- ✓ **Intensity adjustment** offers 250 levels with,
- ✓ Novel **SmartAmbient function** simplifying ambient threshold adjustment,
- ✓ **Compact size**, robust housing made of aluminum and high quality plastics ,
- ✓ **Modern patented design**
- ✓ **Easy installation**, using 3M adhesive tapes with all necessary accessories included.



Supply	Lumen	CCT (K)	CRI	L70	Efficiency
24 V / 12 W	>600	4000	>80	>50k	50 lm/W

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Fixture dimensions: 5 x 1,6 x 84 cm (1.97 x 0,63 x 33 inches)



## Useful links

Product page: [www.futurolighting.eu](http://www.futurolighting.eu)

User manual: [http://www.fulit.eu/docs/catherina\\_um\\_sk.pdf](http://www.fulit.eu/docs/catherina_um_sk.pdf)

Specification: [http://www.fulit.eu/docs/catherina\\_sp\\_sk.pdf](http://www.fulit.eu/docs/catherina_sp_sk.pdf)

ELUMDAT file: <http://www.fulit.eu/photometric/catherina.ldt>

Please do not hesitate to contact us at [info@fulit.eu](mailto:info@fulit.eu) if you have further questions.

## Notes

**Authorized distributor / Representative**