



# Spotlight IL 2050L Range

## Fiber Optic LED Light Source



The LED light sources IL2050L have been developed according to the museum and architecture requirements.

Perfect for replacing halogen light sources, this range of light sources uses LED modules with a color temperature of 3000,4000 and 6500°K over-mounted by an optic to provide a slightly diverging light beam.

The LED light sources IL2050L is available with a fiber optic adapter diameter of 22 or 30mm (25mm max effective diameter).

The LED wattage is adjustable via a potentiometer from 0W to 16W. The light intensity is then equivalent or greater than a 100W halogen light source.

The life time of the IL2050L light source is approximately 30,000 hours (70% of the light flux of origin).

The light emitted by the LED modules covers the spectrum from 400 to 700 nm without any emission in the ultraviolet or infra-red wavelengths.

The optical design provides excellent uniformity at the output of fiber harness.

### Applications

- museography,
- architectural lighting,
- starry skies.

### Key Features

- Light source: LED system with dedicated optical fiber connection,
- Useful bandwidth: 400 to 700 nm, no ultra-violet nor infra-red emission,
- LED power range : From 0W to 16W,
- Life time: Approximately 30,000 hours,
- Fiber optic adapter outer diameter : 22 and 30mm with a maximum useful diameter of 25mm max,
- Color temperature : 3000°K - 4000°K - 6500°K,
- No fan needed,
- Compatibility with PMMA fiber optic,
- CE conform,
- One year warranty.

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Instruments

# Spotlight IL 2050L *LED Fiber optic light source*

## Light Source: LED Module

Perfect for the upgrade of existing facilities, the range IL2050L Spotlight covers a wide range of color temperatures including the compatibility with any type of harness diameter under 30mm and without air forced cooling.

Low power consumption (0 to 16W depending of the adjustment) allows significant savings of energy compared to conventional light sources. These economies are increased by a long life (30,000 hours), no need of bulb changes.

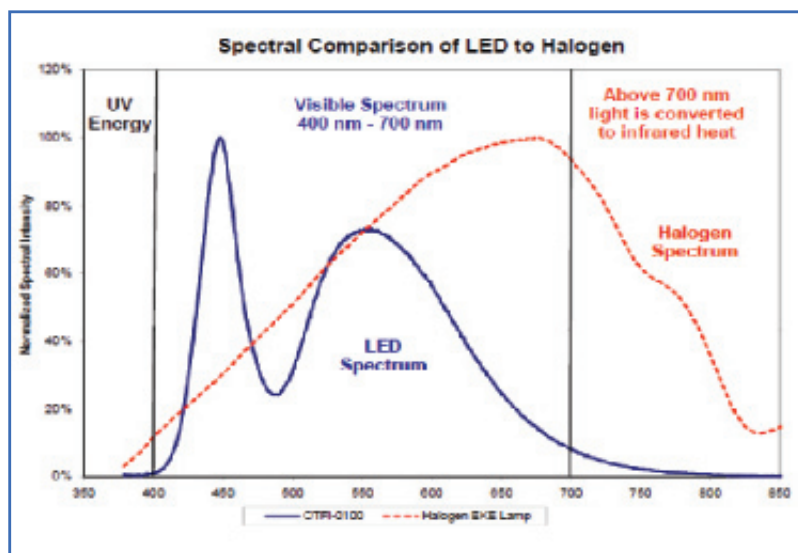
	Couleur T. °K	Ø Harness (mm)	IRC	P (W)	Flux* (Lm)
SPOTIL2050-30L	3.000	22	80	0 à 13	2.150
SPOTIL2050-30L1	3.000	30	80	0 à 13	2.150
SPOTIL2050-40L	4.000	22	80	0 à 13	2.300
SPOTIL2050-40L1	4.000	30	80	0 à 13	2.300

\* Average typical luminous flux.

## Light Energy: A 100W Halogen Lamp

The light energy emitted by the Spotlight IL2050L light source LED is equivalent to a conventional light source equipped with a 100W halogen bulb and without any infrared radiation for a better light guides conservation.

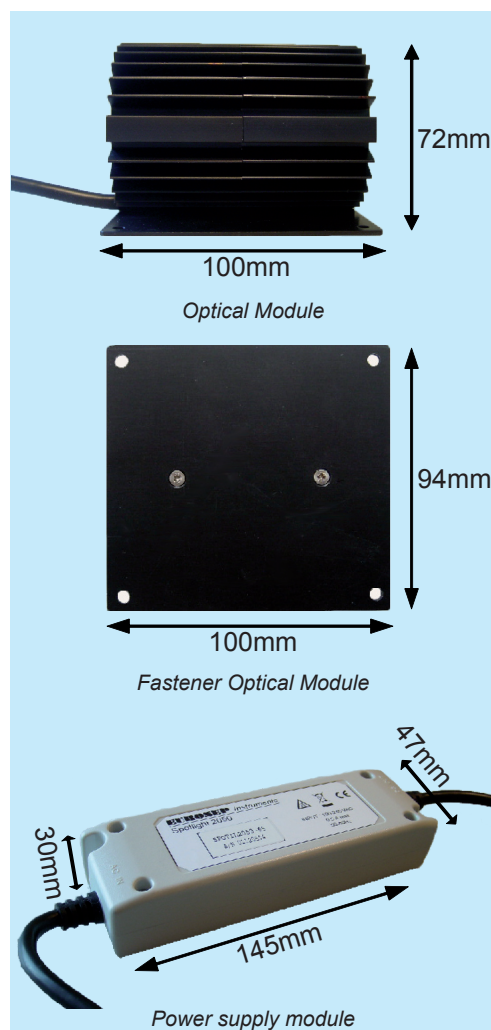
A dedicated optical device provides an excellent homogeneity of the output beam.



## Light intensity adjustment

A potentiometer allows the light intensity adjustment from 0% to 100% (see instruction manual).

## Physical Dimensions



## Electricals characteristic :

- Main voltage : 200/240VAC, 50/60 Hz, external transformer,
- Power consumption : 0 to 16W.

## Physical Characteristics :

- Optical part size: 100x72x94mm,
- Power supply size : 105x70x36mm,
- Total weight : 0.9kgs.

## Various informations :

- Life Time : 30,000 hours (70% of the original level)
- Classification IP : 20 (indoor in using the harness)
- Certification : EN 60598-2-1/-2-5, EN 61000-3-X, EN 61000-4-X, EN 55015, EN 61547, RoHs,
- Temperature of use : +10°C/+40°C.

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