



## LED405-8F0

- Fiber Coupled LED
- 405 nm
- 8 mW CW
- 600 µm fiber
- CE certified
- 1 Year warranty



### Description

**LED405-8F0** is a fiber coupled LED, emitting at a wavelength of typically **405 nm**, with an output power of **8 mW at the tip of the 600 µm fiber**. It consists of the LED unit with SM905 connector and a 1 m 600 µm fiber, a control unit, and a separate power supply, supporting a wide input voltage range of 90-260 VAC. TTL or Analog modulation and different fibers (400, 600, 800, 1000 µm) are optionally available. **LED405-8F0** is RoHS compliant, CE certified, and comes with a **1 Year warranty**

### Electro-Optical Characteristics (T<sub>CASE</sub> = 25°C)

| Parameter                  | Values                          | Unit       |
|----------------------------|---------------------------------|------------|
| <b>Wavelength</b>          | <b>405</b>                      | <b>nm</b>  |
| Half Width                 | 12                              | nm         |
| <b>Output Power</b>        | <b>8 mW (with 600 µm fiber)</b> | <b>mW</b>  |
| Operating Mode             | CW                              |            |
| <b>Fiber Core Diameter</b> | <b>400*, 600, 800*, 1000*</b>   | <b>µm</b>  |
| Fiber Length               | ~ 1                             | m          |
| Fiber NA                   | 0.22                            |            |
| Fiber Connector            | SMA905                          |            |
| Maximum Current            | 1400                            | mA         |
| Forward Voltage            | 3.45                            | V          |
| Warm-up time               | < 5                             | min        |
| Operating Temperature      | 10 ~ 35                         | °C         |
| Storage Temperature        | -20 ~ 80                        | °C         |
| Input Power                | 5 VDC, 5 A                      |            |
| Power Supply               | 100-240                         | <b>VAC</b> |
| Expected Lifetime          | 10000                           | hours      |

\* optionally available





## Options

| Options          | Description                    |
|------------------|--------------------------------|
| Modulation input | TTL or Analog modulation input |

## Outline Dimensions



**LED unit**

Dimensions: 64 x 46.5 x 30 mm<sup>3</sup>

Other dimensions shown: 36, 64, 5, 18.5, 30, 40, 46.5, 50.4, 20, 2-6.5 X 24.5, M6.3 X 0.7

**Control unit**

Dimensions: 114 x 78 x 71 mm<sup>3</sup>

Other dimensions shown: 78, 71, 50, 88, 114, 2-7 X 9, 100.8, 50.4