

LED1W-IR940 | DATASHEET

Replacement LED source, IR



SPECIFICATIONS

Lighting specifications

Light color, Peak wavelength		IR, 940 nm
Spectral FWHM	(nm)	30

Electrical specifications

Led Forward voltage typical (max) ¹	(V)	1.4 (2.0)
Max led forward current ²	(mA)	1500
Max pulse current ³	(mA)	2000

Mechanical specifications

Length	(mm)	21.0
Width	(mm)	21.0
Height	(mm)	3.6
Mass	(g)	2

Environment

Operating temperature	(°C)	0-40
Storage temperature	(°C)	0-50
Operating relative humidity	(%)	20-85, non condensing
Installation		Indoor use only

Eye safety

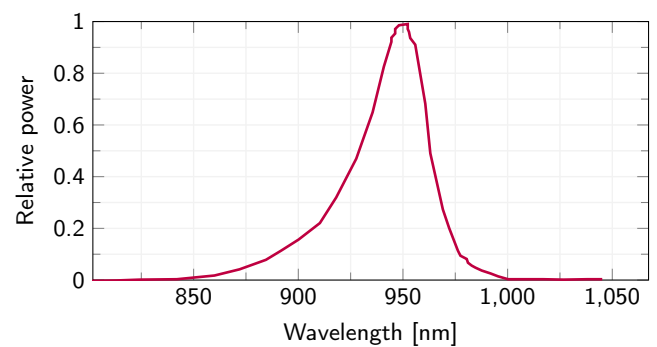
Risk group (CEI EN 62471:2010) Exempt

¹ At max forward current. Tolerance is $\pm 0.06V$ on forward voltage measurements

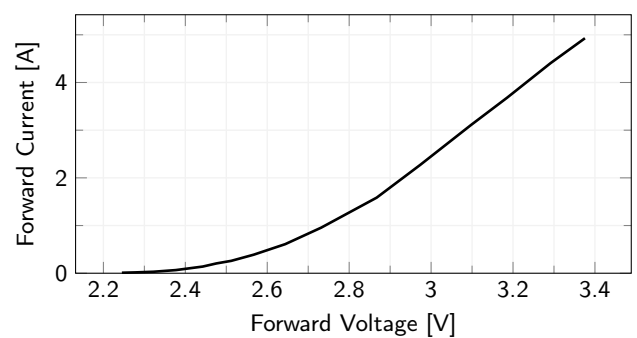
² In continuous mode (not pulsed)

³ At pulse width ≤ 10 ms and duty cycle $\leq 10\%$. Built-in electronics board must be bypassed (see tech info)

LED color spectrum



Forward Current Characteristics



COMPATIBLE PRODUCTS

Full list of compatible products available [here](#).



A wide selection of innovative machine vision components.