

LED1W-IR850 | DATASHEET

Replacement LED source, IR



SPECIFICATIONS

Lighting specifications

Light color, Peak wavelength		IR, 850 nm
Spectral FWHM	(nm)	30

Electrical specifications

Led Forward voltage typical (max) ¹	(V)	1.5 (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

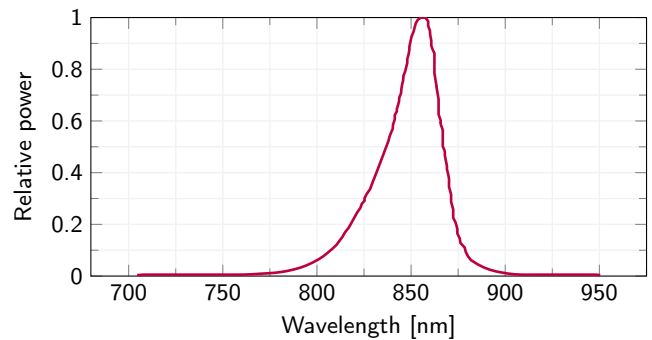
Environment

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

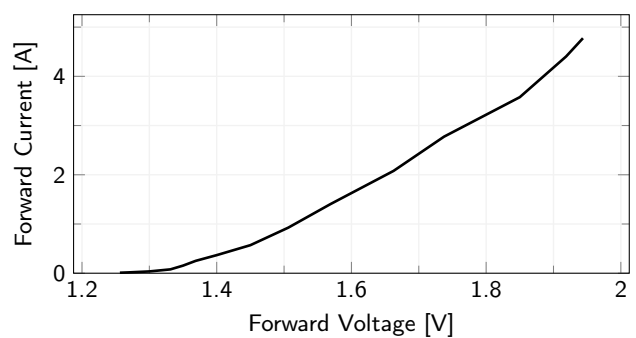
Eye safety

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.

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only. Data are reported by design, actual lens performance may vary due to manufacturing tolerances.