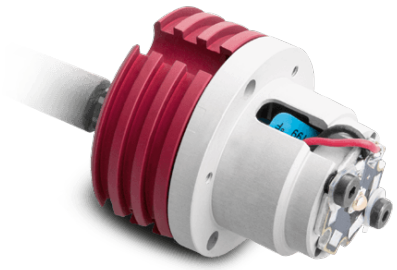
LTSCHP1W-B | DATASHEET

OPTO ENGINEERING

Replacement LED module, blue



LTSCHP modules power several Opto Engineering® LED illuminators and feature excellent current stability. They are available in various colors and can be ordered as spare parts.

SPECIFICATIONS

Lighting specifications

Light color, Peak wavelength		blue, 460 nm
Spectral FWHM	(nm)	25
Diffusive diameter	(mm)	-

Electrical specifications

Supply voltage[1]	(V)	12-24
Power consumption	(W)	2.5
Led forward voltage typical (max)[2]	(V)	3.3 (4.0)
Max led forward current[3]	(mA)	350
Max pulse current[4]	(mA)	2000
Connector		M8
Included cable		CB244P1500

Mechanical specifications

Diameter	(mm)	38.5
Length	(mm)	46.1

[1] Tolerance ±10%
[2] At max forward current. Tolerance is ± 0.06V on forward voltage measurements
[3] In continuous mode (not pulsed)
[4] At pulse width ≤ 10 ms and duty cycle ≤ 10%. Built-in electronics board must be bypassed (see tech info)

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)	Risk group 2

NOTE

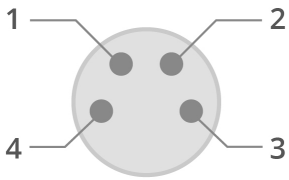
The compliancy with regulations is guaranteed only if the device is used as replacement part for Opto Engineering's products.

COMPATIBLE PRODUCTS

Full list of compatible products available *here*.

A wide selection of innovative machine vision components.

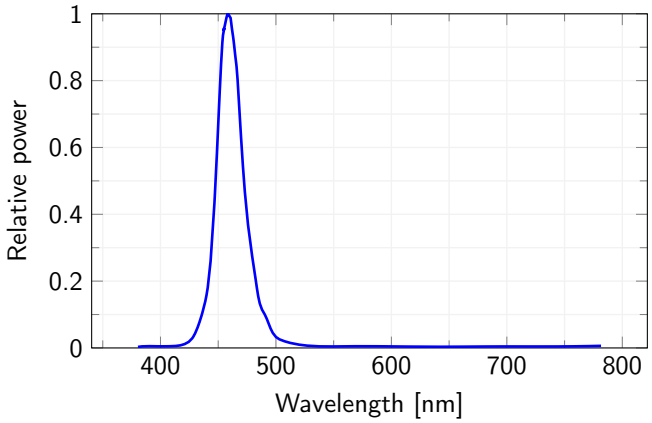
CONNECTOR PINOUT



Device side

Pin	Function	Cable color
1	Earth	Yellow/Green
2	Ground	Black
3	Anode	Blue
4	Power supply (+12/24 V)	Brown

LED color spectrum



Forward Current Characteristics