

ZOOM SPOT LIGHT

SP-50-ZOOM

Spot light with adjustable illumination flux angle. Universal illumination for the majority of your applications.

INTEGRATED STROBE FUNCTION

ADJUSTABLE ILLUMINATION FLUX ANGLE

INTEGRATED INTERN LIGHT INTENSITY REGULATION



LIGHT OPERATING MODES

PERMANENT ILLUMINATION MODE

This light is designed for both the permanent and light-triggering mode. For permanent illumination bring the voltage of 10-24 V to the pin number 4 (black wire). The light is ON during the time when the 24 V EN signal is activated. Use a PCL, camera or another binary signal source. For the light intensity control, please see the text bellow.

LIGHT TRIGGERING MODE

Light triggering mode saves energy and extends the lifetime of the light. Trigger operation mode is recommended when a parallel operation of 2 or more lights might affect the quality of the acquired image. To start using a triggering mode, bring the pin number 4 (black wire) to a 10-24 V signal. The light is ON when a voltage of 24 V is present at pin number 4 then. Use a PCL, camera, or another binary signal source for triggering. For the light intensity control, please see the text bellow.

STROBE MODE

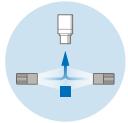
Strobe function significantly multiplies the maximum intensity of the light. The strobing function saves energy, extends the light lifetime and in many cases improves the stability of the entire inspections system. Pin number 2 (white wire) of the M8 connector is used to activate the strobe function. The maximum strobe pulse time is 470 ms, while the light idle time must be at least 3 times longer. Please do not use a trigger mode during strobing function, do not bring a voltage to the pin number 4.

LIGHT SOURCE INTENSITY REGULATION

The light intensity might be regulated by an internal trimmer, PWM signal or an external controller. The maximum PWM frequency is ≤ 40 kHz.

WAYS OF USE

















ORDERING CODE

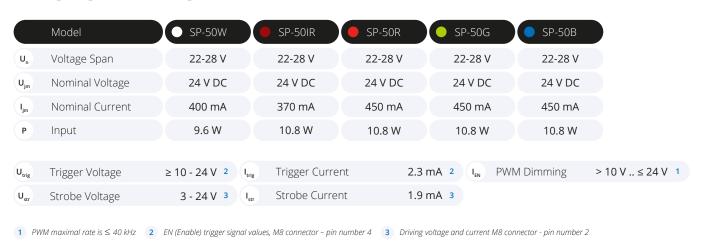
example of the ordering code



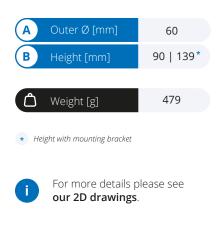
CONFIGURATION

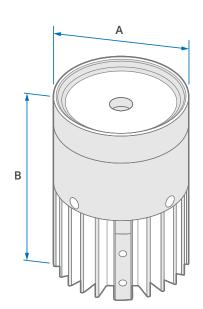
Model	Wavelength [nm]	Ø of Active Area [mm]	LED Beam Angle [°]
SP-50W	CTR 5000 k	50	14 - 46
SP-50IR	940 850	50	14 - 46
SP-50R	625	50	14 - 46
SP-50G	525	50	14 - 46
SP-50B	470	50	14 - 46

ELECTRIC PARAMETERS



DIMENSIONS & WEIGHT





TECHNICAL DATA

CONNECTOR M8-4PIN ASSIGNMENT

light connector front view



1	Brown	(+24 V
2	White		EN
3	Blue	0	0 V
4	Black	0	EN

ENABLE - strobe mode (+24 V) 2

ENABLE

permanent lighting or trigger signal (10-24 V)

intensity regulation: PWM ≤ 40 kHz

light intensity regulation: internal trimmer

ACCESSORIES

🗸 Angular Cable M8-4PIN **(5 m)** 🕻

OPTIONAL ACCESSORIES

+ Straight Cable M8-4PIN **(5 m)** + Light Polarization + Mounting Pad + Mounting Bracket

+ Controller Smart Light CT-SL4D + Controller CM-01









COMPANY **OFFICE**

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