

MINI SPOT LIGHT

SP-12

Direct intensive illumination of distant objects and codes.



MINIMAL INSTALLATION DIMENSIONS

EXCEPTIONAL ILLUMINATION POWER

ANALOGUE CONTROL OF LIGHTING INTENSITY

LIGHT OPERATING MODES

PERMANENT ILLUMINATION MODE

The 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.

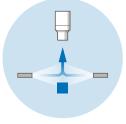
LIGHT SOURCE INTENZITY REGULATION

The light intensity might be regulated by an analogue voltage, PWM signal or an external controller. In case of using an analogue signal, the light intensity might be regulated in a linear way at a pin number 4 by the voltage span of 2.7 -10 V. Bringing a voltage of 10-24 V to the pin number 4, the light works at its maximum intensity. The maximum PWM frequency is ≤ 40 kHz.

WAYS OF USF



















ORDERING CODE

example of the ordering code



CONFIGURATION

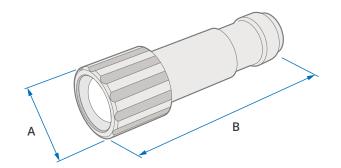
Model	Wavelength [nm]	Ø of Active Area [mm]	
SP-12W	CTR 5000 k	12	
SP-12IR	940 850	12	
SP-12R	660 625	12	
SP-12G	528	12	
SP-12B	470	12	
SP-12UV	405 395 385 365	12	

ELECTRIC PARAMETERS



DIMENSIONS & WEIGHT





TECHNICAL DATA

CONNECTOR M12-4PIN ASSIGNMENT

light connector front view



1	Brown	+	+24 V
2	White		not connected
3	Blue	9	0 V
4	Black		ENABLE



permanent lighting or trigger signal (10-24 V)

light intensity regulation: analogue signal 2.7-10 V or PWM \leq 40 kHz

ACCESSORIES

2x M12x1 Nuts and 2x Washers

OPTIONAL ACCESSORIES

- + Cable with Connector M12 4-Pin Female 5m
- + Controller Smart Light CT-SL4D + Controller CM-01











COMPANY **OFFICE**

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