

C-MOUNT LENS

SHORT SPOT LIGHT

SP-26S-CM

Precise spot illumination as a combination of a robust, strong Spot Light and a C-mount lens.

COMPACT DESIGN

C-MOUNT LENS OF YOUR CHOICE

INTEGRATED LIGHT INTENSITY REGULATION



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 below.

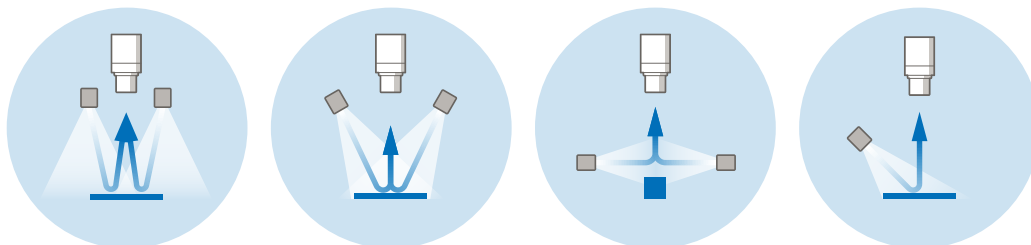
LIGHT TRIGGERING MODE

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 below.

LIGHT SOURCE INTENSITY 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 USE



*Applies for devices with wavelength UV405, UV395, UV385 and UV365. This type of a light has a source of ultra violet radiation. Avoid direct exposure of eyes and unprotected parts of skin. Install the light in a safe way to avoid accidental or deliberate damage of unprotected human skin by UV light radiation. Mark room/area of use with a warning sign.

ORDERING CODE

example of the ordering code

SP	-	26	B	S	-	CM
Spot Light	Ø of Active Area	Wavelength		Short Model		C-mount Lens Thread

CONFIGURATION

Model	Wavelength [nm]	Ø of Active Area [mm]
SP-26W S-CM	CTR 5000 k	26
SP-26IR S-CM	940 850	26
SP-26R S-CM	660 625	26
SP-26G S-CM	525	26
SP-26B S-CM	470 450	26
SP-26UV S-CM	405 395 385 365	26

ELECTRIC PARAMETERS

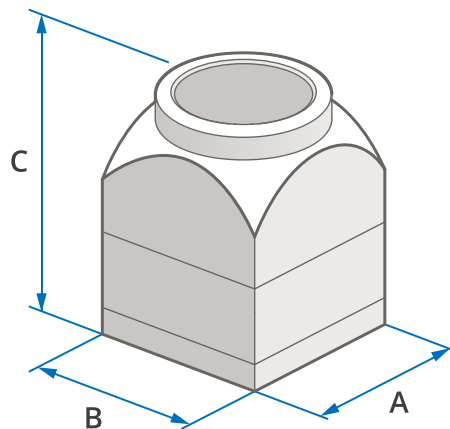
Model	SP-26WS-CM	SP-26IRS-CM	SP-26RS-CM	SP-26GS-CM	SP-26BS-CM	SP-26UVS-CM
U_n Voltage Span	7-28 V	7-28 V	7-28 V	7-28 V	7-28 V	7-28 V
U_{jm} Nominal Voltage	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
I_{jm} Nominal Current	120 mA	120 mA	120 mA	120 mA	120 mA	120 mA
P Input	2.9 W	2.9 W	2.9 W	2.9 W	2.9 W	2.9 W
U_{trig} Trigger Voltage	≥ 2.7 - 24 V ²		I_{trig} Trigger Current		2.3 mA ²	
U_{EN} Analogue Dimming	≥ 2.7 .. ≤ 10 V ²		I_{EN} PWM Dimming		> 10 V .. ≤ 24 V ¹	

¹ PWM maximal rate is ≤ 40 kHz ² EN (Enable) trigger signal values, M8 connector – pin number 4

DIMENSIONS & WEIGHT

A Length [mm]	32
B Width [mm]	32
C Height [mm]	37.4
Weight [g]	76

i For more details please see our 2D drawings.

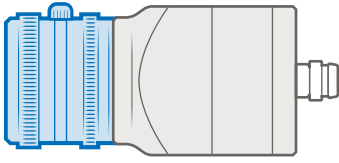


TECHNICAL DATA

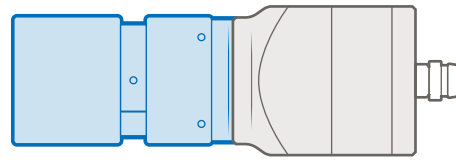
IP Category: IP50	Protection Category: III	Ambient Temperature: -20 - +40 °C	Isolation Resistance: 500 V	Housing Material: Aluminium alloy
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LENSES WITH DIFFERENT TYPES OF FOCUS LENGTH

Wide angle lenses (large lighting spot)

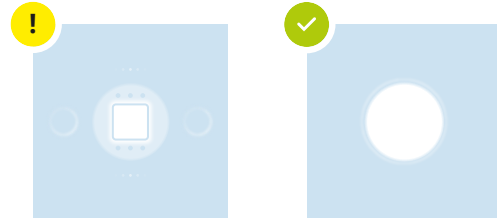


Standard & telephoto lenses (small lighting spot)



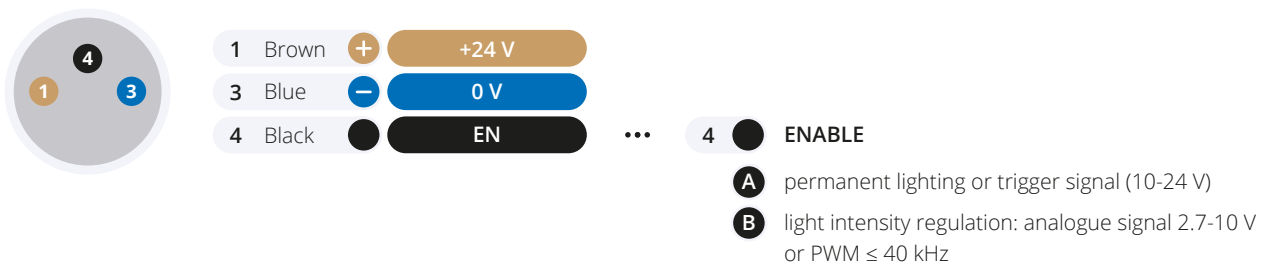
LENS FOCUS

Adjust your lens focus so that, there is a **homogenous lighting spot in the entire illuminated area.**



CONNECTOR M8-3PIN ASSIGNMENT

light connector front view



ACCESSORIES

✓ Straight Cable M8-3PIN (5 m)

OPTIONAL ACCESSORIES

+ Angular Cable M8-3PIN (5 m)

+ C-mount lenses with different focus lengths

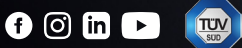
+ Light P + Polarizační filtr objektivu

+ Controller **Smart Light CT-SL4D**

+ Controller **CM-01**

SmartView

**YOUR
VISION
PARTNER**



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