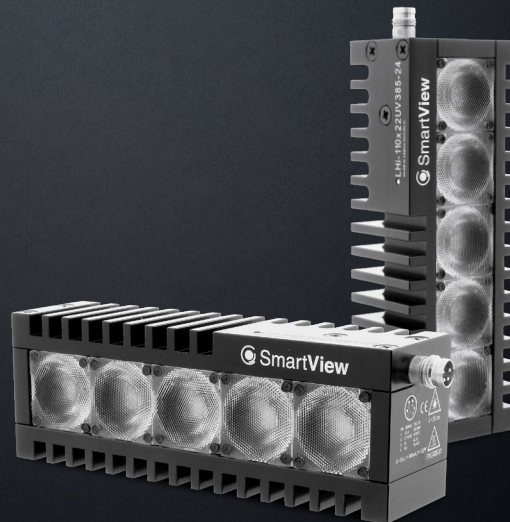


HIGH INTENSITY UV LIGHT

LHi-110x22UV
LHi-110x44UV
LHi-110x110UV

Suitable for curing of UV-sensitive substances
and for specific machine vision applications.



INTEGRATED STROBING FUNCTION

MANUFACTURED IN VARIOUS WAVELENGTHS

NO NEED FOR AN EXTERNAL CONTROLLER

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 12-24 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 12-24 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.

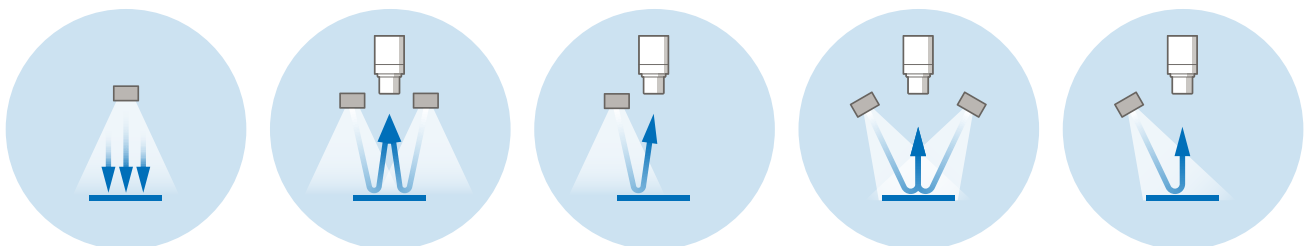
STROBE MODE

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.

WAYS OF USE



ORDERING CODE

example of the ordering code

LHi	-	110x22	UV 405	-	24
High Intensity UV Light		Active Area	Wavelength		Optics

CONFIGURATION

Model	Wavelength [nm]	Active Area [mm]	LED Beam Angle [°]
LHi-110x22UV	405 395 385 365	110x22	14 24
LHi-110x44UV	405 395 385 365	110x44	14 24
LHi-110x110UV	405 395 385 365	110x110	14 24

ELECTRIC PARAMETERS

Model	LHi-110x22UV	LHi-110x44UV	LHi-110x110UV
U_n Voltage Span	18-28 V	-	-
U_{jm} Nominal Voltage	24 V DC	-	-
I_{jm} Nominal Current	400 mA	-	-
P Input	9.6 W	-	-

U_{trig} Trigger Voltage	≥ 12 - 24 V	¹	I_{trig} Trigger Current	5.6 mA	¹
U_{str} Strobe Voltage	12 - 24 V	²	I_{str} Strobe Current	600 mA	²

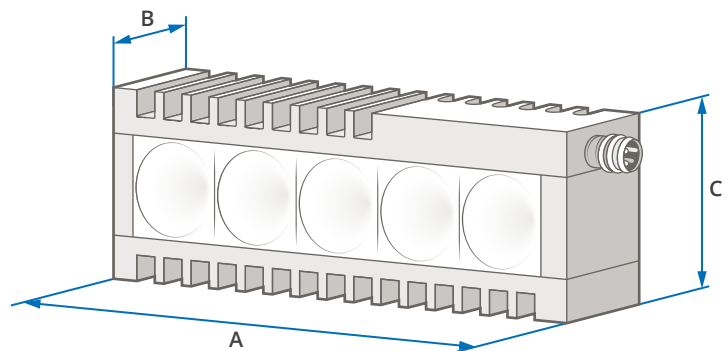
¹ EN (Enable) trigger signal values, M8 connector - pin number 4

² Driving voltage and current M8 connector - pin number 2

i Would you require alternative light dimensions **please contact our sales department.**

DIMENSIONS & WEIGHT

A Length [mm]	120
B Width [mm]	30
C Height [mm]	41.8 - -
Weight [g]	257 - -



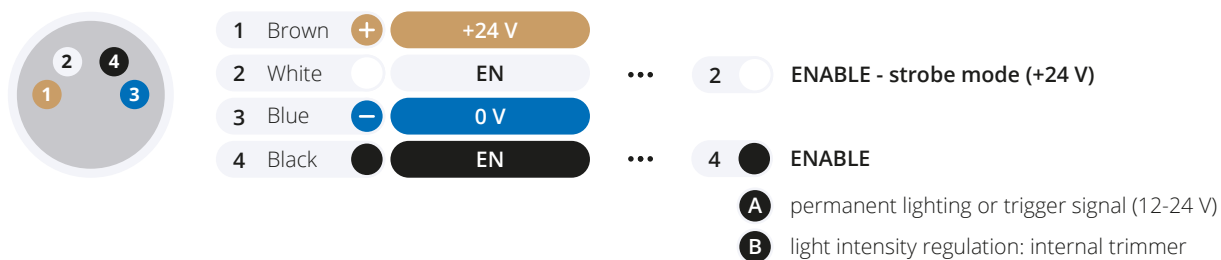
i For more details please see our 2D drawings.

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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CONNECTOR M8-4PIN ASSIGNMENT

light connector front view



ACCESSORIES

✓ Straight Cable M8-4PIN (5 m)

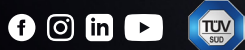
OPTIONAL ACCESSORIES

+ Angular Cable M8-4PIN (5 m)

+ Controller **Smart Light CT-SL4D**

 SmartView

**YOUR
VISION
PARTNER**



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