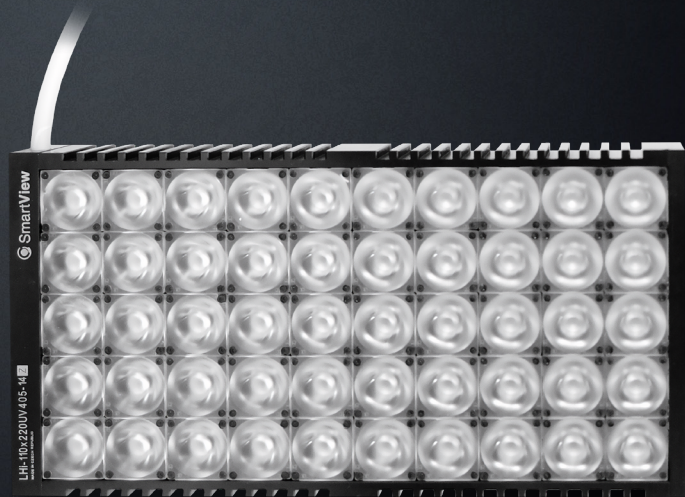


HIGH INTENSITY UV LIGHT

LHi-110x220UV-Z

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



INTEGRATED STROBING FUNCTION

MANUFACTURED IN VARIOUS WAVELENGTHS & DIMENSIONS

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.

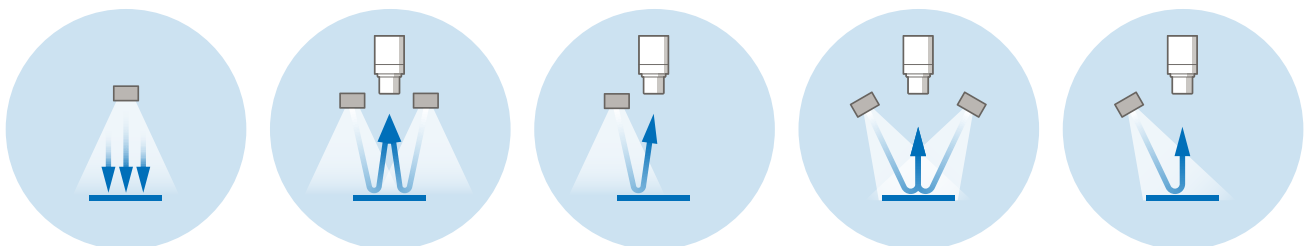
STROBE MODE

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	-	110x220	UV 405	-	24	Z
High Intensity UV Light		Active Area	Wavelength		LED Beam Angle	Custom-made

CONFIGURATION

Model	Wavelength [nm]	Active Area [mm]	LED Beam Angle [°]
LHi-110x220UV	405 395 385 365	110x220	14 24

ELECTRIC PARAMETERS

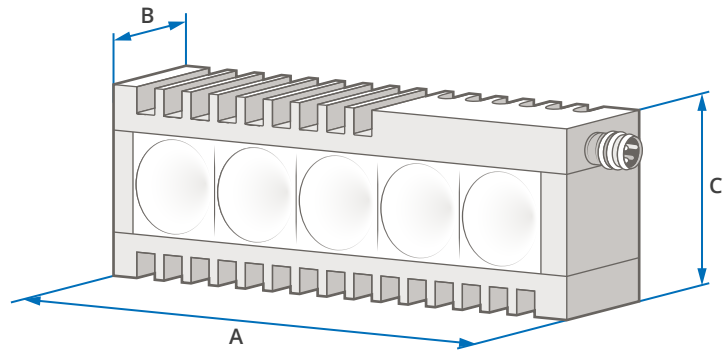
Model	LHi-110x220UV			i Would you require alternative light dimensions please contact our sales department.
U_n Voltage Span	18-28 V			
U_{jm} Nominal Voltage	24 V DC			
I_{jm} Nominal Current	3.5 A			
P Input	84 W			
U_{trig} Trigger Voltage	≥ 12 - 24 V	1	I_{trig} Trigger Current	5.6 mA 1
U_{str} Strobe Voltage	12 - 24 V	2	I_{str} Strobe Current	4.5 A 2

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

2 Driving voltage and current M8 connector - pin number 2

DIMENSIONS & WEIGHT

A Length [mm]	233.4
B Width [mm]	30
C Height [mm]	120
Weight [g]	1 300



i For more details please see our 2D drawings.

! WARNING

The maximum time for a continues light operation mode is 60 minutes. After 1 hour or shorter, it is **recommended to turn the light off to cool it down**. To prolong the light lifetime and reduce its operating temperature please use either the ENABLE or STROBE control inputs, which enable you to use either a trigger or strobe light operation mode. **For 24/7 continuous light operation please follow our recommended cycle time of ≤ 15 seconds in light operation and ≥ 5 seconds in a light switched-off mode.**

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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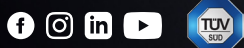
FLYING LEADS ASSIGNMENT

1	Brown	+	+24 V	...	2	<input type="checkbox"/>	STROBE mode (+24 V)
2	White	○	EN	...	4	<input checked="" type="checkbox"/>	ENABLE
3	Green	●	0 V				
4	Yellow	-	EN				

A permanent lighting or trigger signal (12-24 V)
B light intensity regulation: internal trimmer

 SmartView

**YOUR
VISION
PARTNER**



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