

## BLUEPOINT LED



4 LED HEADS PER  
CONTROL UNIT



5 CONTROL UNITS  
CAN BE STACKED  
20 LED HEADS  
COMBINABLE

LED POINT SOURCE WITH  
PROCESS FLOW CONTROL

## BLUEPOINT LED

### FEATURES

- Compact control unit
- Removable touch display, suitable for mounting on production machine
- Operation of up to 20 LED heads
- Various optical lenses available
- Intensity up to 20.000 mW/cm<sup>2</sup>
- Available wavelengths 365/385/405nm
- Intelligent power control
- Power setting from 10% – 100%
- Input of complete program sequences thanks to Process Flow Control (PFC). Six different programs possible.

### LED CONTROL

- RS232 interface for external control and transmission of exposure parameters
- Optional: Control via Profinet

### MANUAL

The UV-LEDs can be controlled manually on the touch display with selectable password protection

### PLC INTERFACE

For switching on, monitoring and status feedback of the LEDs. External analog input for each LED head separately for individual power setting. Release contact with safe switch-off of the LEDs in accordance with current safety guidelines.

### ACCESSORIES

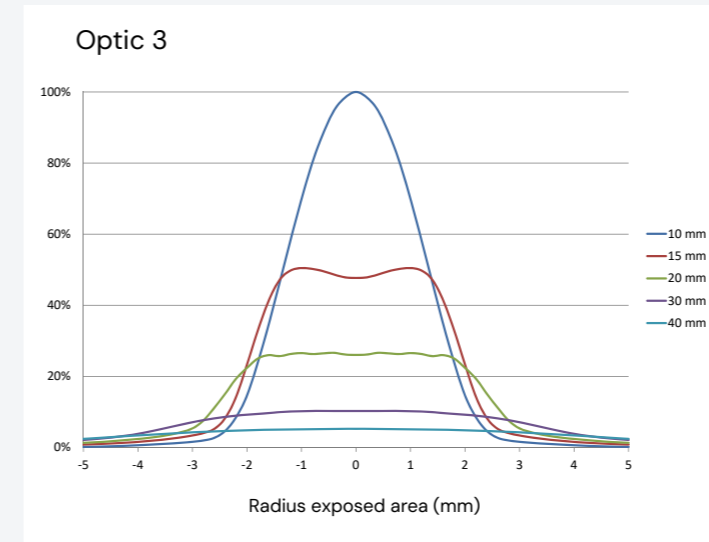
The functional range of the bluepoint LED can be extended by using optional accessories::

- Adapter for 90° beam deflection for use in narrow space
- Extension cable in different lengths
- Adapter to operate up to four foot switches per control unit

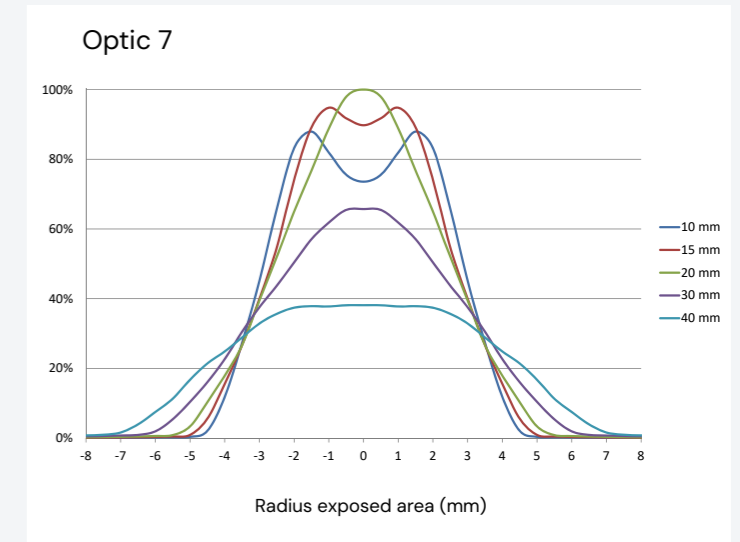
### TECHNICAL DATA

LED service life	> 20.000 hours
Intensity	up to 20.000 mW/cm <sup>2</sup>
Wavelengths	365, 385, 405 nm +/-10 nm
Power supply	20 V – 28 V DC
Max. input current	3,5 A per controller

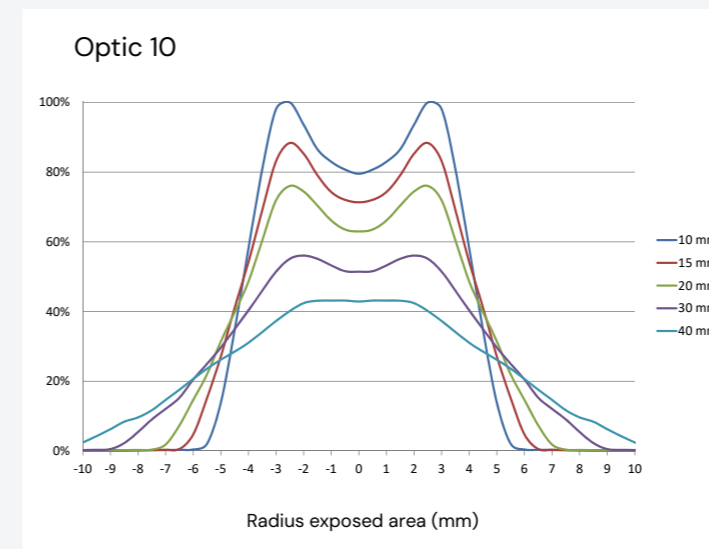
### LENS TYPES FOR BLUEPOINT LED



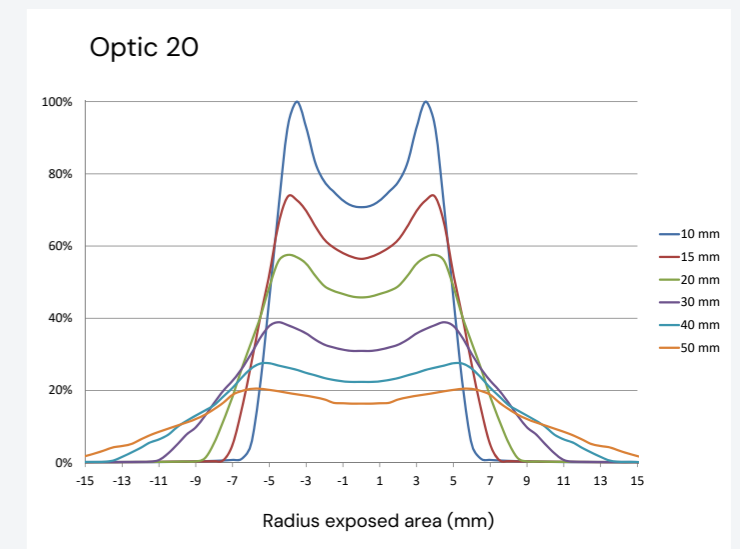
Wavelength (nm)	365	385	405
Intensity* (mW/cm <sup>2</sup> ) at 100%	14.000	20.000	20.000
Working distance (mm)		10	
Full-width at half maximum (mm)		3	



Wavelength (nm)	365	385	405
Intensity* (mW/cm <sup>2</sup> ) at 100%	4.000	4.800	3.800
Working distance (mm)		10	
Full-width at half maximum (mm)		7	



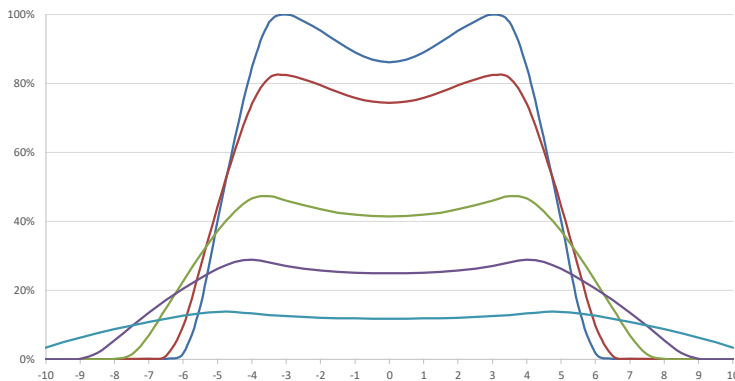
Wavelength (nm)	365	385	405
Intensity* (mW/cm <sup>2</sup> ) at 100%	2.000	2.600	2.400
Working distance (mm)		20	
Full-width at half maximum (mm)		10	



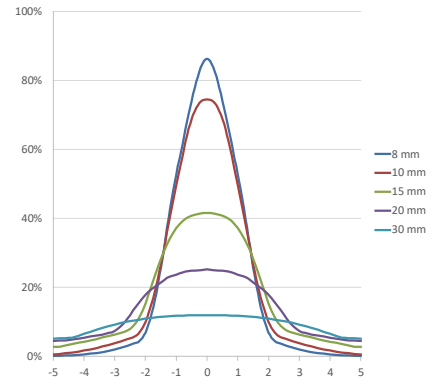
Wavelength (nm)	365	385	405
Intensity* (mW/cm <sup>2</sup> ) at 100%	1.450	1.850	1.650
Working distance (mm)		40	
Full-width at half maximum (mm)		20	

\*measured with a Hoenle UV meter and LED light guide sensor L2

## Optic 10x2 (rectangular)



Exposed area (mm) lengthwise



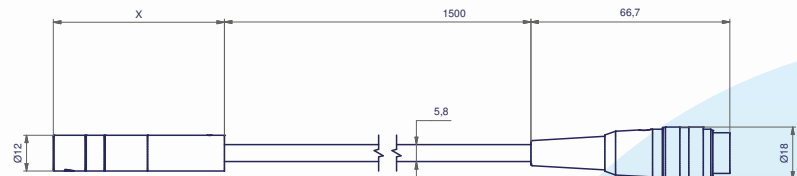
Exposed area (mm) crosswise

Wavelength (nm)	365	385	405
Intensity* (mW/cm <sup>2</sup> ) at 100%	4.500	7.000	7.000
Working distance (mm)	10		
half-width, crosswise (mm)	2.5		
half-width, lengthwise (mm)	10		

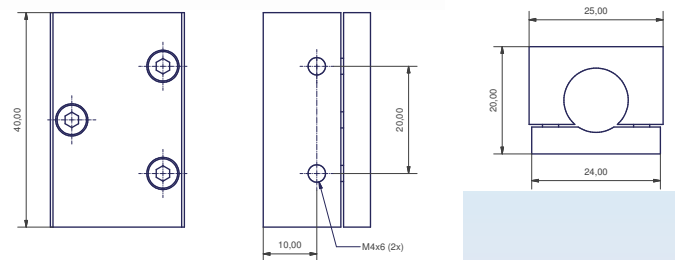
\*measured with a Hoenle UV meter and LED light guide sensor L2



## Drawing LED head HP



## Mounting adapter LED head HP



Lens type	Length LED head HP (x) in mm
Optic 3	55.9
Optic 7	57.3
Optic 10	54.5
Optic 20	52.5
Optic 10x2	55.4

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Operating parameters depend on production characteristics and may differ from the foregoing information. We reserve the right to modify technical data.  
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