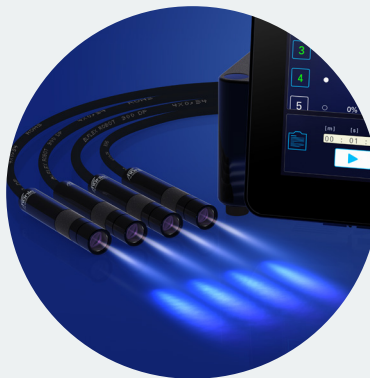


BLUEPOINT LED



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/cm²
- 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::

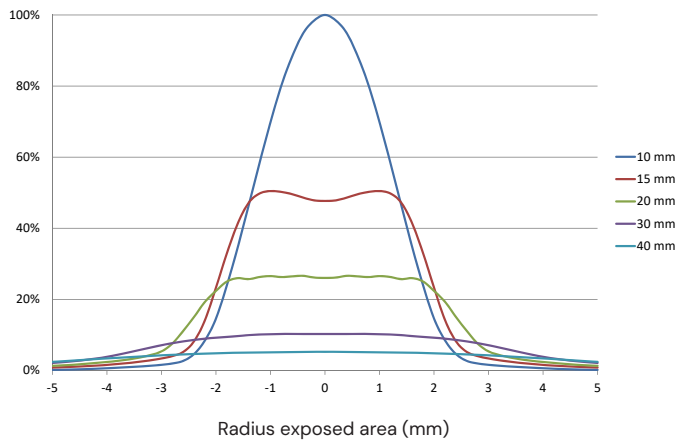
- Adapter for 90° beam deflection for use in narrow space
- Extension cable in different lengths
- Adapter to operate up to four foot switches per control unit

TECHNICAL DATA

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

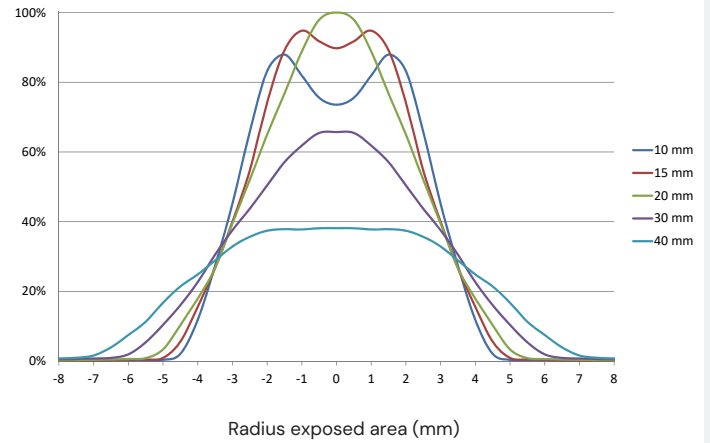
LENS TYPES FOR BLUEPOINT LED

Optic 3



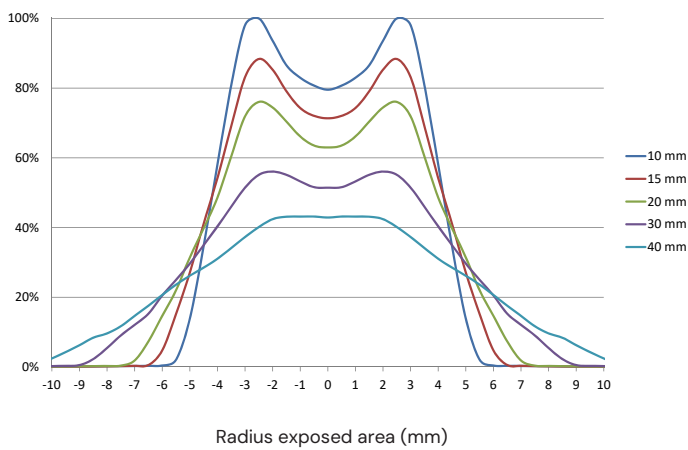
Wavelength (nm)	365	385	405
Intensity* (mW/cm²) at 100%	14.000	20.000	20.000
Working distance (mm)	10		
Full-width at half maximum (mm)	3		

Optic 7



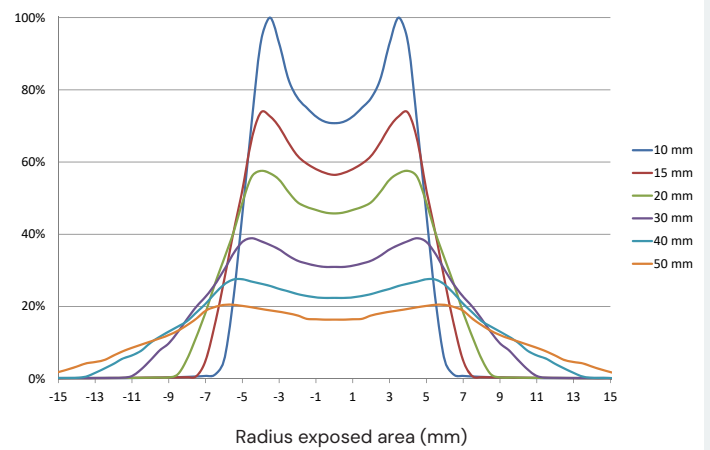
Wavelength (nm)	365	385	405
Intensity* (mW/cm²) at 100%	4.000	4.800	3.800
Working distance (mm)	10		
Full-width at half maximum (mm)	7		

Optic 10



Wavelength (nm)	365	385	405
Intensity* (mW/cm²) at 100%	2.000	2.600	2.400
Working distance (mm)	20		
Full-width at half maximum (mm)	10		

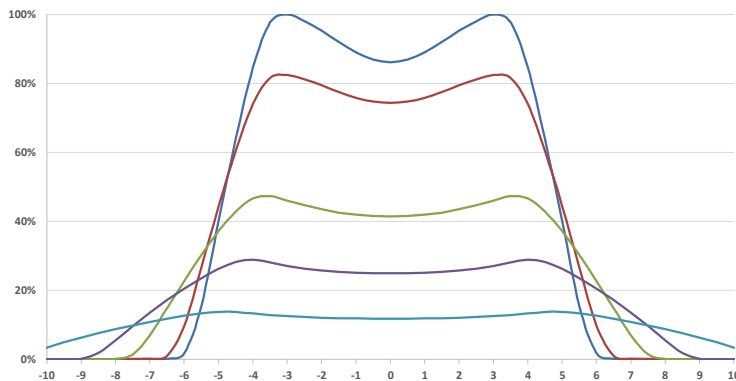
Optic 20



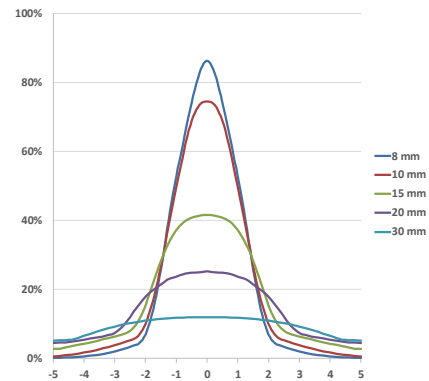
Wavelength (nm)	365	385	405
Intensity* (mW/cm²) at 100%	1.450	1.850	1.650
Working distance (mm)	40		
Full-width at half maximum (mm)	20		

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

Optic 10x2 (rectangular)



Exposed area (mm) lengthwise



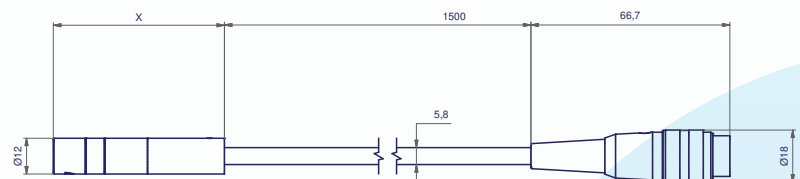
Exposed area (mm) crosswise

Wavelength (nm)	365	385	405
Intensity* (mW/cm²) at 100%	4.500	7.000	7.000
Working distance (mm)	10		
half-width, crosswise (mm)	2.5		
half-width, lengthwise (mm)	10		

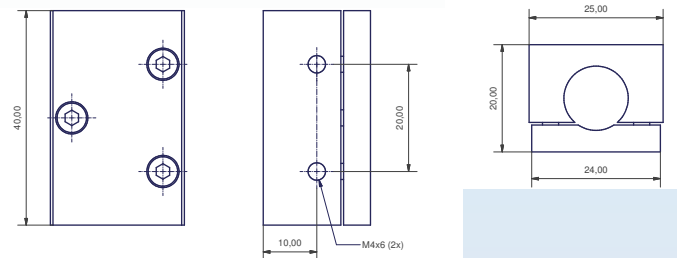
*measured with a
Hoenle UV meter
and LED light
guide sensor L2



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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