

▼ PHOTONIC

Product overview



New Dimension of Light

Innovative lighting solutions powered by advanced photonic technologies, providing energy-efficient and high-performance illumination for a wide range of applications.



Photonic promotes sustainability through product longevity.

www.idcp.eu/photonic

Introducing Photonic

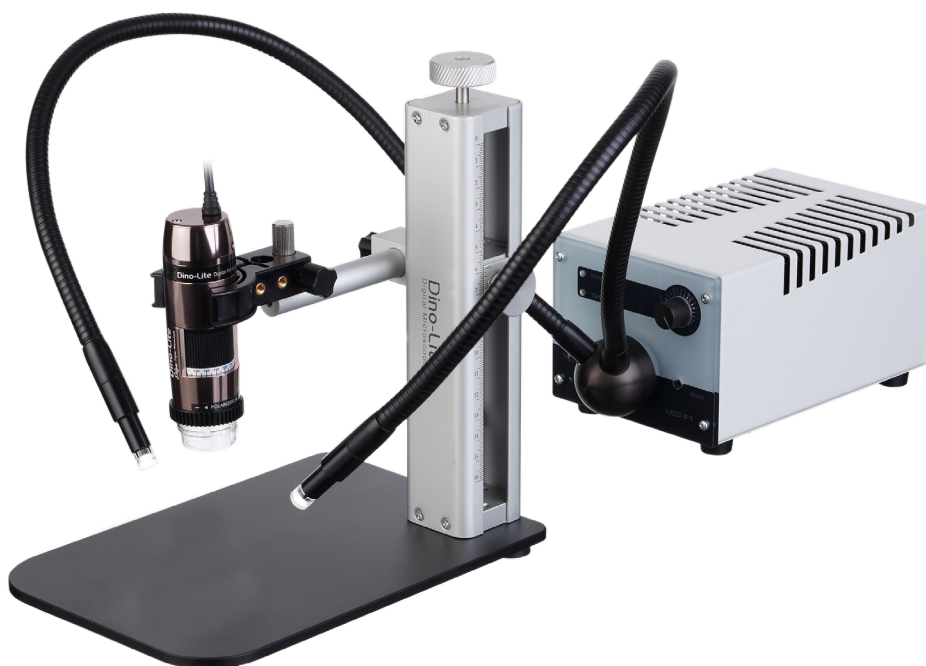
PHOTONIC specialises in providing tailored, high-quality lighting solutions using xenon, halogen, and LED technologies.

As a trusted technology partner, PHOTONIC blends advanced lighting technologies with optical systems to drive innovation across industries, medicine, life sciences, and safety technology. Guided by a mission to deliver exceptional lighting solutions, we offer custom products for specialised applications. With a laser-sharp focus on generating, coupling, and directing light, we empower our clients to achieve superior performance in their fields.

Ideal Customer Profile

PHOTONIC caters to forward-thinking businesses and professionals who prioritise precision, reliability, and innovation in lighting solutions. Our customers include manufacturers and researchers in medicine and life sciences, developers of safety technologies, engineers, and industrial operators requiring sophisticated optical systems for critical applications.

Whether in healthcare, scientific exploration, or industrial processes, our clients value highly customisable, technologically advanced lighting systems designed to optimise their operations.



LED RING LIGHTS & LED HIGH-POWER SPOTS

LED High-Power Ring Light

Number of LED: 8.
Mounting diameter: Ø 66 mm.



Latest High-Power LEDs.
Intuitive, integrated control unit.
No unnecessary cables.
Individual control of segments.

Product SKU

**Sets incl. control unit and power supply 100-240V int. Adapters*

- 10102:** LED-Set HPRL: WD 45-130mm, 80-300mm:
- 10106:** LED-Set HPRL USB: WD 45-130mm, 80-300mm
- 10103:** Polarisation filter-set for HPRL
- 10104:** Diffusor for HPRL

LED Ring Light 66/40

Number of LEDs: 40
Mounting diameter: Ø 66 mm, various adapters



Individual segment control
Very slim design
Outer diameter: 94 mm
Polarising filter set and diffuser available

Product SKU

**Sets incl. control unit and power supply 100-240V with int. adapters*

- 10049:** LED-Set SEGMENT RL 66/40 WD 55-120mm
- 619-20-002:** LED RL 66/40 WD 55-120mm
- 595-20-166:** Polarizing filter-set for fibre RL 66/40 LED RL
- 619-20-040:** Diffusor for Ring Light 66/40
- 619-70-003:** Extension cord for 80, 40 LED and 20 LED ring lights, L = 0.5 m, Mini DIN plugs

LED Ring Light 66/80

Number of LEDs: 80
Mounting diameter: Ø 66 mm, various adapters



Individual segment control
Working distances 35-120 mm / 120-300 mm
Comparable to 150 W Halogen light source
Polarising filter set and diffuser available

Product SKU

**Sets incl. control unit and power supply 100-240V with int. adapters*

- 10099:** LED-Set SEGMENT RL 66/80 WD 35-120mm
- 10100:** LED-Set SEGMENT RL 66/80 WD 120-300mm
- 619-20-060:** Polarisation filter-set for HPRL
- 619-20-061:** LED RL 66/80 WD 120-300mm
- 619-20-022:** Polarisation filter-set
- 619-20-044:** Diffusor for RL 66/80

LED-High-Power-Spot

Flexible cables
Comparable with 150 W Halogen light sources



Microscopy / LED direct lighting
Illumination of small light fields (15 mm)
Comparable to 150 W Halogen
Cable length: 90 cm

Product SKU

**Sets incl. control unit and power supply 100-240V int. Adapters*

- 10035:** LED-Set 1 Hi Power Spot
- 619-20-037:** LED Hi Power Spot
- 10044:** LED-Set 2 Hi Power Spots, incl. 2 Spot Holder 300mm and 2 Baseplates
- 10037:** LED-Set 2 Hi Power Spots

LED-High-Power-Spots (2-arm)

Flexible cables
Comparable with 150 W Halogen light sources



Illumination of small light fields (15 mm)
Comparable to 150 W Halogen
Cable length: 90 cm
Adapters for attachment at microscope stand

Product SKU

**Sets incl. control unit and power supply 100-240V int. Adapters*

- 10068:** LED-Set Dual Flex Arm Hi Power Spot, mounting bracket needed
- 619-20-057:** Dual Flex Arm Hi Power Spot, mounting bracket needed

More Product SKU

Accessories for Hi Power Spot

- 619-30-041:** Spot Holder M5, for Hi Power Spot
- 619-30-042:** Spot Holder M5, for Hi Power Spot
- 619-30-043:** Spot Holder M5, for Hi Power Spot
- 619-30-007:** Base plate, 3x M6 thread, 1x M6/M5 Adapter
- OPP-00007:** Polarizer for Hi Power Spot

Mounting Brackets for LED Spots to Microscope Stands

- 619-20-048:** Adapter for Combi Light Guides & LED Hi Power Spots 2-arm to stands
- 619-20-049:** Adapter for Combi Light Guides & LED Hi Power Spots 2-arm to stands

Adapter Rings for 66mm Ring Lights

- 595-32-258:** Adapter 66/58 for RL 66mm to lens Ø 58mm
- 598-32-043:** Adapter 66/60 for RL 66mm to lens Ø 60mm
- 598-32-049:** Adapter O for RL 66mm to thread M48 x 0,75
- 598-32-050:** Adapter N for RL 66mm to thread M55 x 0,75
- 598-30-022:** Universal Adapter for RL 66mm to objectives Ø 38 to 62mm

LED light sources

Innovative, efficient LED light sources

LED-Light-Source F1

Absolutely vibration-free and silent, minimal energy consumption

Filter options: ● ● ● ● ● ●



Type: light source
Illumination: LED
Power supply: external power supply
Voltage: 100 – 240 VAC
Max diameter: light guide connector
 Ø 15 mm, galvanically separated,
 max. 9 mm
Active diameter: max. 9 mm
Light guide type: standard light guide

Product SKU
10030: LED Light Source F1, Wall mount AC-DC Adapter 100-240V incl. international end pieces

LED-Light-Source F3000

70 % reduction of energy consumption, USB, electric shutter, low-noise cooling fan

Filter options: ● ● ● ● ● ●



Type: light source
Illumination: LED
Power supply: external power supply
Voltage: 100 – 240 VAC
Max diameter: light guide connector
 Ø 15 mm, galvanically separated,
 max. 9 mm
Active diameter: max. 9 mm
Max Lumen: approx. 640 lm at
 Ø 8 mm x 1.000 mm
Light guide type: standard fibers

Product SKU
10060.1: LED Light Source F3000, remote controllable, 100-240V power supply, w/o power cord

LED-Light-Source F5100

Strobe with trigger input, 10µs pulses, and flicker-free 1–100% analog dimming.

Filter options: ● ● ● ● ● ●



Type: light source
Illumination: LED
Power supply: external power supply
Voltage: 100 – 240 VAC
Max diameter: light guide connector
 Ø 15 mm, galvanically separated,
 max. 9 mm
Active diameter: 5 mm
Max Lumen: approx. 1.000 lm at
 Ø 5 mm x 1.000 mm
Light guide type: fused fibers

Product SKU
10140: LED Light Source F5100, remote controllable, 100-240V power supply, w/o power cord

More Product SKU

Accessories for Light Source

633-30-003: Insertable Weight Module for F1
10105: Foot Switch, L=2,5m, on/off - presets - dimming for F3000, F5100 (2,5mm jack)
593-30-224: Filter Holder with filter "Halogen" 3500 K for F3000, F5100
598-30-037: Adapter for Schott Light Guides, locking screw, lossless coupling for PL-/F-Series

593-30-001: Filter Holder with filter blue
593-30-002: Filter Holder with filter green
593-30-003: Filter Holder with filter yellow
593-30-004: Filter Holder with filter red
593-30-005: Filter Holder with filter daylight
593-30-221: Filter Holder with filter grey
593-37-006: Filter Holder empty

ELN-3.001: Power Cord EU
ELN-3.002: Power Cord CH
ELN-3.003: Power Cord USA/Can/J
ELN-3.004: Power Cord UK
ELN-3.006: Power Cord Australia
ELN-3.009: Power Cord Italy

Fibre-optic light guides for light sources

Fiber-Optic Ring Light

Compatible with Photonic LED light sources for microscopy.



Usable for: PL3000, F1, F3000, F5100
For microscopes with 66 mm lenses
Length: 750 mm
Polarising filter available

Product SKU

595-20-005: RL 66mm continous active \varnothing 9mm L=750mm, focussing lens

Fiber-Optic Light Guide flexible

Compatible with Photonic LED light sources for microscopy. 1-arm and 2-arm version.

Filter options:



Diameter (active) at light source: 1-arm: 5 mm, 8 mm / 2-arm: 5 mm
Mechanic Diameter at light source: 15 mm
Length: 1.000 mm

Product SKU

595-20-030: LGFLX 1-arm active \varnothing 5mm L=1000mm
595-20-033: LGFLX 1-arm active \varnothing 8mm L=1000mm (w/o optical)
595-20-036: LGFLX 2-arm active \varnothing 2x5mm L=1000mm

Fiber-Optic Combi-Light Guide

Compatible with Photonic LED light sources for microscopy. Flex Arm for positioning.

Filter options:



Diameter (active) at light source: 4.5 mm
Mechanic Diameter at light source: 15 mm
Length: 550 mm, Length (flex): 750 mm
Focus lenses and color filters available

Product SKU

595-20-169: GNFLX combi 2-arm active \varnothing 2x4,5mm L=550mm Lflex=750mm

Fiber-Optic Gooseneck Light Guide

Compatible with Photonic LED light sources for microscopy. Positioning with Flexi-Arms

Filter options:



Diameter (active) at light source: 4,5 mm
Mechanic diameter at light source: 15 mm
Length: 550 mm
Focus lenses and color filters available

Product SKU

595-20-167: GN 2-arm active \varnothing 2x4.5mm L=550mm

More Product SKU

Filters and holders

595-30-006: Filter-/Lens- holder
595-30-009: Filter green
595-30-010: Filter yellow
595-30-011: Filter red
595-30-012: Filter daylight
595-30-013: Filter polarisation
595-30-007: Focusing lens 20

Adapters and Wall mounts

ENSS-24.003: Wall mount AC Adapter 100-240V for LED40/LED80/FLRL/CombiCon/F1
ENSS-24.005: Wall mount AC Adapter 100-240V for Hi Power Spot
ENSS-65.001.A Wall mount AC Adapter 100-240V for F3000, 2-pin plug, units before 2012 only(without main cable)
ENSS-65.002: Desktop AC Adapter 100-240V for F3000, F3000 CRI, 4-pin plug (w/o power cord)
ENSS-120.002: Desktop AC adapter 100-240V for F5100 / F5100 Endo 3-pin plug (w/o power cord)

595-20-140: Line Light converter for GN Light Guides
595-30-029: Articulated arm, 2xM6, L=200mm
619-30-007: Base plate, 3x M6 thread, 1x M6/M5 Adapter
595-30-005: Holder M6, for illumination light guide
595-20-166: Polarizing filter-set for fibre RL 66mm and 66/40 LED Ring Lights
619-30-020.99: SEGMENT Control Unit LED Ring Light System
619-30-024.99: Control Unit for 2x Hi Power Spot
619-30-025.99: Combi Controller for 2xHi Power Spot and 1xLED40 Ring Light or Backlight incl. M6 mounting screw (matching power supply see spare parts)
Combi Controller for 2xHi Power Spot and 1xLED40 Ring Light or Backlight incl. M6 mounting screw (matching power supply see spare parts)

Other Accessories

