

Точечные светильники ROCIA, SL, ABL, SPOT, HEAD, ONE

Технические характеристики

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ROCIA.focus - Precisely focused



ROCIA.focus in the flexible-tube luminaire design offers a lot of freedom when setting the light that fits perfectly. Its flexible tube with additional head joint makes it mobile and focuses the light directly and quickly –

always exactly where it is needed. Even where space is limited, the lighting can be aligned exactly thanks to its flexible tube.

- Maintenance-free LED technology
- Strong high-power LEDs for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Continuous, flicker-free dimming (switchable)
- Robust aluminium housing with solid safety glass screen
- Viton® seal for high degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Exactly adjustable flexible tube
- Connection to machine or mains voltage

Overview of variants





- Colour temperature neutral white 5 000 K
- Colour rendering Ra >80
- 10° or 30° angle of illumination
- Black and colourless anodised aluminium housing, 3 mm thick safety glass
- Flexible tube with additional head joint
- With switch in the luminaire head for switching and dimming (to 30 %)
- Supply voltage 100 – 240 VAC (with transformer) or 12 – 28 VAC / 12 – 40 VDC (without transformer)
- Maximum permissible ambient temperature $T_{a_{max}}$ up to 40 °C (without transformer)
- LED service life (L70) > 60 000 h
- Degree of protection (luminaire head) IP65 (with transformer) or IP67 (without transformer); protection class I (with transformer) or III (without transformer)
- Supplied with approx. 3 m connecting line and grounded plug, type CEE 7/7 (with transformer) or free strand ends (without transformer)
- Different mounting elements as accessories
- Also available as **arm-mounted luminaire** and **pivoting-head luminaire**



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 9 W	Electronic ballast in housing 100-240 V; AC; 50/60 HZ	Spot with a 10° angle of radiation Switchable; Continuously dimmable	600 lm	 RFF 600/850/D 00668996
LED 9 W	Electronic ballast in housing 100-240 V; AC; 50/60 HZ	Flood with 30° angle of radiation Switchable; Continuously dimmable	550 lm	 RFF 600/850/D 00680251
LED 8 W	Without 12-28 V; AC and 12-40 V; DC	Spot with a 10° angle of radiation Switchable; Continuously dimmable	600 lm	 RFF 600/850/DS 00680272
LED 8 W	Without 12-28 V; AC and 12-40 V; DC	Flood with 30° angle of radiation Switchable; Continuously dimmable	550 lm	 RFF 600/850/DS 00680285

Accessories



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956



Wall angle bracket

Colour	Special feature	Order No.
black	-	300213018 - 00025178
white	-	300213038 - 00070291

ROCIA.focus - Spot on: pinpoint lighting



The ROCIA.focus impresses with unique resistance. Even in the roughest industrial environments, the luminaire preserves its stability and ensures precise and focused lighting.

Its exactly adjustable arm, optics with different beam angles and a flicker-free dimming allow an optimum control of the state-of-the-art high-power LEDs.

- Maintenance-free LED technology
- Strong high-power LEDs for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Continuous, flicker-free dimming (switchable)
- Robust aluminium housing with solid safety glass screen
- Viton® seal for high degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Exactly adjustable arm
- Connection to machine or mains voltage

Overview of variants





- LED technology
- Colour temperature neutral white 5 000 K
- Colour rendering Ra > 80
- Beam angle 10 ° or 30 °
- Housing made of black and colourless anodised aluminium
- 3 mm thick safety glass
- Partially spring-loaded arm
- Maximum allowed ambient temperature Ta_{max} 40 °C (without transformer)
- LED service life (L70) > 60 000 h
- Button integrated into the luminaire head for On / Off and dimming
- Degree of protection (luminaire head) IP65 (with transformer) or IP67 (without transformer); protection class I (with transformer) or III (without transformer)
- Supplied with approx. 3 m connecting cable and shock-proof plug, type CEE 7 / 7 (with transformer) or free strand ends (without transformer)
- Various fasteners as accessories
- Also available as **flexible-tube luminaire** and **pivoting-head luminaire**



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 9 W	Electronic ballast in housing 100-240 V; AC; 50/60 HZ	Spot with a 10° angle of radiation Switchable; Continuously dimmable	600 lm	 RFD 600/850/D 00679131
LED 9 W	Electronic ballast in housing 100-240 V; AC; 50/60 HZ	Flood with 30° angle of radiation Switchable; Continuously dimmable	550 lm	 RFD 600/850/D 00680167
LED 8 W	Without 12-28 V; AC and 12-40 V; DC	Spot with a 10° angle of radiation Switchable; Continuously dimmable	600 lm	 RFD 600/850/DS 00680110
LED 8 W	Without 12-28 V; AC and 12-40 V; DC	Flood with 30° angle of radiation Switchable; Continuously dimmable	550 lm	 RFD 600/850/DS 00680208

Accessories



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956



Wall angle bracket

Colour	Special feature	Order No.
black	-	300213018 - 00025178
white	-	300213038 - 00070291

ROCIA.focus - Here the focus is precision



The pivoting-head luminaire ROCIA.focus offers maximum flexibility. The mobility of its pivoting head allows the light beam to be directed precisely to where it is needed. The extremely precise lighting allows focused and concentrated work – also thanks to different beam angles.

- Maintenance-free LED technology
- Strong high-power LEDs for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Robust aluminium housing with solid safety glass screen
- Viton® seal for high degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Exactly adjustable pivoting head
- Direct connection to machine voltage

Overview of variants





- LED technology
- Colour temperature neutral white 5 000 K
- Colour rendering $R_a > 80$
- Beam angle 10° or 30°
- Housing made of black and colourless anodised aluminium
- 3 mm thick safety glass
- Maximum allowed ambient temperature $T_{a_{max}} 40^\circ \text{C}$
- Head joint for individual settings
- LED service life (L70) $> 60\,000 \text{ h}$
- Degree of protection IP67, protection class III
- Supplied with approx. 3 m connecting cable and free stranded wires
- Various fasteners as accessories
- Also available as arm-mounted luminaire and flexible-tube luminaire



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 8,5 W	Without 12-28 V; AC and 12-40 V; DC	Spot with a 10° angle of radiation Switchable; Continuously dimmable	600 lm	 RFJ 600/850/DS 00721990
LED 8,5 W	Without 12-28 V; AC and 12-40 V; DC	Flood with 30° angle of radiation Switchable; Continuously dimmable	550 lm	 RFJ 600/850/DS 00721996
LED 8 W	Without 12-28 V; AC and 12-40 V; DC	Spot with a 10° angle of radiation	600 lm	 RFJ 600/850/S 00668613
LED 8 W	Without 12-28 V; AC and 12-40 V; DC	Flood with 30° angle of radiation	550 lm	 RFJ 600/850/S 00680293

Accessories



Magnetic base

Colour	Special feature	Order No.
black	-	190058019 - 00807466



Operating device

Power	Connection	Special feature	Order No.
30 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	clip for hat rail	309537010 - 00670453



Operating device

Power	Connection	Special feature	Order No.
100 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	–	309538010 - 00670456



Operating device

Power	Connection	Special feature	Order No.
100 W	220 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	IP67	309581010 - 00805600



SL – EXACT AND ROBUST

Thanks to its maintenance-free high-power LED technology, the SL spotlight with impresses for its extremely long service life. The robust aluminium housing will withstand even the tough environment of working machinery. The SL is available either as pivoting-head or as flexible-tube variant.



SL compact

- LED technology
- Colour temperature neutral white 5000 K
- Colour rendering index > 70
- 10° or 30° angle of illumination
- Housing made of die-cast aluminium painted black
- 3 mm thick safety glass
- Flexible tube or pivoting head
- Maximum allowed ambient temperature Tamax 40° C
- LED service life (L70) > 50,000 h
- Switch in the light head for On/Off (flexible-tube luminaire) or without switch (pivoting-head luminaire)
- Degree of protection IP67, protection class II (with plug-in power supply) or III (without plug-in power supply)
- Supplied with approx. 3 m connecting cable and plug-in power supply with plug type CEE 7/16 (Euro plug), BS 1363 and NEMA 1-15P or free stranded wire ends
- Various fasteners as accessories

Fitted with Power	Operating device Connected load	Dimensions Special feature	E_m E_{max}^*	Model Order no.
LED 6 W	plug-in power supply 100 – 240 V, 50/60 Hz	– 10° lens	4520 lx ¹ 26130 lx ¹	SLF 500/750 113 261 000 – 006 411 80
LED 6 W	plug-in power supply 100 – 240 V, 50/60 Hz	– 30° lens	2969 lx ¹ 5298 lx ¹	SLF 500/750 113 261 000 – 006 411 83
LED 5 W	– 22 – 26 VDC	– 10° lens	4520 lx ¹ 26130 lx ¹	SLF 500/750/S 113 260 000 – 006 411 30
LED 5 W	– 22 – 26 VDC	– 30° lens	2969 lx ¹ 5298 lx ¹	SLF 500/750/S 113 260 000 – 006 411 77



Fitted with Power	Operating device Connected load	Dimensions Special feature	E_m E_{max}^*	Model Order no.
LED 5 W	– 22 – 26 VDC	– 10° lens	4520 lx ¹ 26130 lx ¹	SLJ 500/750/S 113 259 000 – 006 411 27
LED 5 W	– 22 – 26 VDC	– 30° lens	2969 lx ¹ 5298 lx ¹	SLJ 500/750/S 113 259 000 – 006 411 74

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring field 30 x 30 cm/Measuring distance 50 cm

EXACT AND ROBUST

SL

Thanks to its maintenance-free high-power LED technology, the SL spotlight with flexible tube impresses for its extremely long service life. The robust aluminium housing will withstand even the tough environment of working machinery.

Overview of variants



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 6 W	Electronic plug-in transformer 100-240 V; AC; 50/60 HZ	Spot with a 10° angle of radiation Switchable	490 lm	SLF 500/750 00641180
LED 6 W	Electronic plug-in transformer 100-240 V; AC; 50/60 HZ	Flood with 30° angle of radiation Switchable	460 lm	SLF 500/750 00641183
LED 5 W	Without 22-26 V; DC	Spot with a 10° angle of radiation Switchable	490 lm	SLF 500/750/S 00641130
LED 5 W	Without 22-26 V; DC	Flood with 30° angle of radiation Switchable	460 lm	SLF 500/750/S 00641177

Accessoires



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956



Wall angle bracket

Colour	Special feature	Order No.
black	-	300213018 - 00025178
white	-	300213038 - 00070291

EXACT AND ROBUST

SL

Due to its maintenance-free high-power LED technology, the SL pivoting-head luminaire impresses for its extremely long service life. The robust aluminium housing and the safety glass cover will withstand even the tough environment of working machinery.

Overview of variants



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 5 W	Without 22-26 V; DC	Spot with a 10° angle of radiation	490 lm	SLJ 500/750/S 00641127
LED 5 W	Without 22-26 V; DC	Flood with 30° angle of radiation	460 lm	SLJ 500/750/S 00641174

Accessoires



Magnetic base

Colour	Special feature	Order No.
black	-	190058019 - 00807466



Operating device

Power	Connection	Special feature	Order No.
30 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	clip for hat rail	309537010 - 00670453



Operating device

Power	Connection	Special feature	Order No.
100 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	–	309538010 - 00670456



Operating device

Power	Connection	Special feature	Order No.
100 W	220 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	IP67	309581010 - 00805600

ABL - The flexible head for tough tasks



With its minimalist design, the ABL is as small and handy as a mini flashlight that can be fixed in any position. The fact that it is extremely tough in spite of its delicate appearance makes it a highly versatile luminaire.





- Maintenance-free LED technology
- Strong high-power LED for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Robust aluminium housing with solid safety glass screen
- High degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Exactly adjustable flexible tube

Overview of variants

- LED technology

- Colour temperature daylight white 6 000 K
- Colour rendering Ra > 75
- Beam angle 6 ° or 25 °
- Housing made of black anodised aluminium
- 2 mm thick safety glass
- Flexible metal tube for at least 20 000 motions
- LED service life (L70) > 50 000 h
- Degree of protection IP67 (without transformer) or IP20 (with transformer, luminaire head IP67), protection class III (without transformer) or protection class II (with transformer)
- Supplied with approx. 3 m connecting cable and free stranded wires or integrated power supply with plug type CEE 7 / 16 (Euro plug)
- Various fasteners and operating devices as accessories
- Also available as a **pivoting-head luminaire**



Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 3 W	Without Depending on the ballast	Spot with 6° angle of reflected beam	180 lm	 ABLTL 1 00071550
LED 3 W	Without Depending on the ballast	Flood with 25° angle of reflected beam	160 lm	 ABLTL 1 00071549
LED 3,5 W	Electronic ballast in housing 110-230 V; AC; 50/60 HZ	Spot with 6° angle of reflected beam	180 lm	 ABLTLE 1 00074002
LED 3,5 W	Electronic ballast in housing 110-230 V; AC; 50/60 HZ	Flood with 25° angle of reflected beam	160 lm	 ABLTLE 1 00074155

Accessories



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956



Wall angle bracket

Colour	Special feature	Order No.
black	-	300213018 - 00025178
white	-	300213038 - 00070291



Operating device for ABLTL 1 (max. 3 units in series)

Power	Connection	Special feature	Order No.
10 W	110 – 230 V, 50 / 60 Hz; 700 mA constant current	clip for hat rail	209585019 - 00045202



Operating device for ABLTL 1 (max. 5 units in series)

Power	Connection	Special feature	Order No.
14 W	24 VAC / DC, 50 / 60 Hz; 700 mA constant current	clip for hat rail	209582019 - 00048793

ABL - Small, but enormously important





This may sound contradictory: The ABL is so small because it performs an essential task. With its compact dimensions and its integrated ball joint, it directs light to places where it seems almost impossible, but where it is urgently needed.

- Maintenance-free LED technology
- Strong high-power LED for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Robust aluminium housing with solid safety glass screen
- High degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Integrated ball joint

Overview of variants

- Colour temperature daylight white 6 000 K
 - Colour rendering Ra > 75
 - Beam angle 6 ° or 25 °
 - Housing made of black anodised aluminium
 - 2 mm thick safety glass
 - Ball joint for individual settings
 - LED service life (L70) > 50 000 h
 - Degree of protection IP67, protection class III
 - Supplied with approx. 1.5 m connecting cable and free stranded wires
 - Various operating devices as accessories
 - Also available as a **flexible-tube luminaire**
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Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 3 W	Without Depending on the ballast	Spot with 6° angle of reflected beam	180 lm	 ABLL 1 00041201
LED 3 W	Without Depending on the ballast	Flood with 25° angle of reflected beam	160 lm	 ABLL 1 00041941

Accessories



Operating device for ABLL1 (max. 3 units in series)

Power	Connection	Special feature	Order No.
10 W	110 – 230 V, 50 / 60 Hz; 700 mA constant current	clip for hat rail	209585019 - 00045202



Operating device for ABLL1 (max. 5 units in series)

Power	Connection	Special feature	Order No.
14 W	24 VAC / DC, 50 / 60 Hz; 700 mA constant current	clip for hat rail	209582019 - 00048793

SPOT LED - Powerful light in mini format



SPOT LED is a surprisingly compact luminaire with a lot of power: The round, robust aluminium housing of the SPOT LED combines three 3 LEDs, which allow either spot or area lighting, depending on the particular variant.

And they're absolutely flicker-free. This means that it is not just the design of the integrated LED spotlight that is a feast for the eyes.

- Maintenance-free LED technology
- Strong high-power LEDs for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Robust aluminium housing with solid safety glass screen
- High degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Direct connection to machine voltage

Overview of variants



- LED technology
- Colour temperature daylight white 5 700 K
- Colour rendering Ra > 70
- Beam angle 10 ° or 40 °
- Housing made of black anodised aluminium
- 3 mm thick safety glass
- Screw-mounted
- LED service life (L70) > 50 000 h
- Degree of protection IP67, protection class III
- Supplied with approx. 3 m connecting cable and free stranded wires
- Operating device as accessories for connection to the mains voltage
- Also available as an **integrated machine luminaire**



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 6 W	Without 24 V; DC~AC	Ø 64,5 mm Spot with a 10° angle of radiation	400 lm	 MCAYL 3 S 00083005
LED 6 W	Without 24 V; DC~AC	Ø 64,5 mm Flood with 40° angle of radiation	460 lm	 MCAYL 3 S 00087871

Accessories



Operating device

Power	Connection	Special feature	Order No.
30 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	clip for hat rail	309537010 - 00670453



Operating device

Power	Connection	Special feature	Order No.
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100 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	–	309538010 - 00670456
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Operating device

Power	Connection	Special feature	Order No.
100 W	220 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	IP67	309581010 - 00805600

SPOT LED - Highly concentrated in a minimum of space



The SPOT LED for permanent integration into the machine combines 3 LEDs in such a compact housing that you could hardly imagine a smaller luminaire.

- Maintenance-free LED technology
- Strong high-power LEDs for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Robust aluminium housing with solid safety glass screen
- High degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Nearly flush-mounted installation
- Prevents accumulation of chips
- Direct connection to machine voltage

Overview of variants

- LED technology



- Colour temperature daylight white 5 700 K
- Colour rendering Ra > 70
- Beam angle 10 ° or 40 °
- Housing made of black anodised aluminium
- 3 mm thick safety glass
- Mounted in recess with screws
- LED service life (L70) > 50 000 h
- Degree of protection IP67, protection class III
- Supplied with approx. 3 m connecting cable and free stranded wires
- Operating device as accessories for connection to the mains voltage
- Also available as an **surface-mounted luminaire**



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 6 W	Without 24 V; DC~AC	Ø 99 mm Spot with a 10° angle of radiation	400 lm	 MCEYL 3 S 00082995
LED 6 W	Without 24 V; DC~AC	Ø 99 mm Flood with 40° angle of radiation	460 lm	 MCEYL 3 S 00087891

Accessories



Operating device

Power	Connection	Special feature	Order No.
30 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	clip for hat rail	309537010 - 00670453



Operating device

Power	Connection	Special feature	Order No.
100 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	–	309538010 - 00670456



Operating device

Power	Connection	Special feature	Order No.
100 W	220 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	IP67	309581010 - 00805600

HEAD LED - Small light with high power



HEAD LED brightens the heart of any machine: the working area. It deserves a special spotlight: Waldmann's smallest light ever. Thanks to its compact dimensions, HEAD LED always fits into the tool area and generates a powerful focused LED spotlight thanks to Waldmann's cleverly devised optics.

- Maintenance-free LED technology
- Strong high-power LED for maximum light
- With narrow- or wide-beam illumination characteristic, as desired
- Robust aluminium housing with solid safety glass screen
- High degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Direct connection to machine voltage
- M12 plug connector

Overview of variants



- LED technology
- Colour temperature daylight white 6 500 K
- Colour rendering Ra > 70
- Beam angle 70 ° or 100 ° (without optics)
- Housing made of colourless anodised aluminium
- 4 mm thick safety glass
- Screw-mounted
- LED service life (L70) > 50 000 h
- Degree of protection IP67, protection class III
- Supplied with approx. 0.2 m connecting cable and M12 plug connector, A-coded
- M12 connection technology and operating devices as accessories for connection to the mains voltage



Machine Tools



Woodworking Machines

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 5,5 W	Without 16-32 V; DC	Ø 49,5 mm Flood	550 lm	 MCAYL 4 S 00646485
LED 5,5 W	Without 16-32 V; DC	Ø 49,5 mm Spot	500 lm	 MCAYL 4 S 00669609

For cooling purposes, the luminaire must be attached to a metal surface (see instructions for use).

Accessories



Connection socket

Description	Connector type	Order No.
Cable passage 3 - 6.5 mm, wires ≤ 0.75 mm²	M12 socket: Straight; 3-pole; A-coded	330603020 - 00002947



Operating device

Power	Connection	Special feature	Order No.
30 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	clip for hat rail	309537010 - 00670453



Operating device

Power	Connection	Special feature	Order No.
100 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	–	309538010 - 00670456



Operating device

Power	Connection	Special feature	Order No.
100 W	220 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	IP67	309581010 - 00805600

ONE LED - Cool head despite full power



Where most lights often fail, ONE LED shows its true capabilities: restricted space and high temperatures – in some machines, you are faced with both of these problems.

Thanks to its minimalist, but very robust construction, ONE LED even withstands very high temperatures, although its high-power LED display an enormous lighting power.





- Maintenance-free LED technology
- Strong high-power LED for maximum light
- Robust die-cast housing with solid safety glass or plastic screen (for use outside the area of influence of coolants/lubricants)
- High degree of protection
- Ideal for high thermal stress
- Quick and precise positioning
- Direct connection to machine voltage
- Connection via M12 plug connector or quick connector
- Luminaires for daisy chaining

Overview of variants

- LED technology
- Colour temperature neutral white 5 000 K
- Colour rendering Ra > 80
- Direct beam
- Aluminium housing
- 4 mm thick safety glass or acrylic screen
- Screw-mounted to the + / - 90 ° adjustable support plate
- Maximum allowed ambient temperature $T_{a_{max}}$ 50 ° C
- LED service life (L70) > 50 000 h
- Degree of protection IP54 (acrylic screen) or IP67 (safety glass), protection class III
- Connection via quick connector or M12 plug connector, A-coded
- M12 connection technology and operating devices as accessories for connection to the mains voltage







Integrated Manufacturing and Auditing
Systems (IAS)

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux		Model Order No.
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm Quick Connector Acrylic (PMMA); Clear	400 lm		MVAL 1 S 00076050
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm M12 Connecting Plug Acrylic (PMMA); Clear	400 lm		MVAL 1 S 00094116
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm Through-wired M12 Connecting Plug Acrylic (PMMA); Clear	400 lm		MVAL 1 SD 00684959
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm Through-wired Quick Connector Acrylic (PMMA); Clear	400 lm		MVAL 1 SD 00076013



Integrated Manufacturing and Auditing
Systems (IAS)

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm Quick Connector Borosilicate	400 lm	 MVAL 1 S 00076065
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm M12 Connecting Plug Borosilicate	400 lm	 MVAL 1 S 00094117
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm Through-wired Quick Connector Borosilicate	400 lm	 MVAL 1 SD 00076030
LED 6 W	Without 20-28 V; DC	162,5 x 57 mm Through-wired M12 Connecting Plug Borosilicate	400 lm	 MVAL 1 SD 00469258

Accessories



Connection socket for ONE LED (without TW*)

Description	Connector type	Order No.
Cable passage 4 - 8 mm, wires ≤ 0.75 mm ²	M12 socket: Straight; 5-pole; A-coded	336615019 - 00522018



Connection socket for ONE LED (TW*)

Description	Connector type	Order No.
Cable passage 6 - 8 mm, wires ≤ 1.5 mm ²	M12 socket: Straight; 4-pole; A-coded	336883010 - 00597530



Connecting plug for ONE LED (TW*)

Description	Connector type	Order No.
Cable passage 6 - 8 mm, wires ≤ 1.5 mm ²	M12 plug: Straight; 4-pole; A-coded	336884010 - 00597520



Connection cable for ONE LED (without TW*)

Description	Connector type	Order No.
3 m lead, 5 x 0.5 mm ²	M12 socket: Straight; 5 -pole; A-coded	336703010 - 00582109
7 m lead, 5 x 0.5 mm ²	M12 socket: Straight; 5 -pole; A-coded	336703020 - 00543341



Connection cable for ONE LED (TW*)

Description	Connector type	Order No.
3 m lead, 3 x 1.5 mm ²	M12 socket: Straight; 4-pole; A-coded	336889010 - 00597907
7 m lead, 3 x 1.5 mm ²	M12 socket: Straight; 4-pole; A-coded	336889020 - 00597935



Protective cap for ONE LED (TW*)

Description	Connector type	Order No.
10 units	M12 socket	408001404 - 00679634



Operating device

Power	Connection	Special feature	Order No.
30 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	clip for hat rail	309537010 - 00670453



Operating device

Power	Connection	Special feature	Order No.
100 W	100 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	–	309538010 - 00670456



Operating device

Power	Connection	Special feature	Order No.
100 W	220 – 240 V, 50 / 60 Hz; 24 VDC constant voltage	IP67	309581010 - 00805600

* TW: Through-wired (for daisy-chaining several luminaires)

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