white LED light industrial-suited housing energy-efficient

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- ✓ high operational depandability
- ✓ energy-efficient
- highly luminous
- ✓ flexible thanks to a variety designs
- ✓ white LED light
- Iow power consumption
- ✓ industrial-suited metal housing
- ✓ industrial-suited metal housing
- ✓ gooseneck







These robust LED illuminations can be used in a variety of applications. Installation can take place directly inside a machine or switch cabinet. Both illuminations have an M12-connector for connecting to the electric supply. Voltage is supplied via PIN 1 (+24V DC, brown cable socket wire) and PIN 3 (0V, blue cable socket wire). In addition, for switching off, there is a control input available. As the power input is 27 and/or 38mA, the illuminations can be controlled directly via an PLC output.

The illumination is switched on in the case of a blank control input or a control input connected with the GND. The illumination is switched off from a voltage of +5.5 to +30V DC. In the case of long feed lines (> 2m), the unused control input should be connected with the GND. The luminous color of the illuminations is white.







The gooseneck workplace illuminations are available in various lengths and with various fixtures. They are made from a robust, impact resistant and oil resistant plastic. The 25° angle of the reflected beam (approx. Ø 30cm light area at a 50cm distance) is suitable for lathes, milling machines, eroding machines, punching machines and injection molding machines.

The illumination can also be used as a table lamp for work benches, test areas or for microscope illumination.

The illuminations are equipped with 3 high-power LEDs (each 3 Watt). Any increase in heat is discharged towards the back via an aluminium cooling element. The connection takes place via an M12-connector. The illumination can be switched on and off via a switch on the base.





Both illuminations have an M12-connector for connecting to the electric supply. Voltage is supplied via PIN 4 (+24V DC, black cable socket wire) and PIN 3 (0V, blue cable socket wire). As the power input is 250mA (max.), the illuminations can be controlled directly via an PLC output.

The illuminations have an active temperature management system for protecting the LEDs. If the increase in heat is too great, the LED current is reduced accordingly.

The luminous color of the illuminations is cool white. The housing materials that are used allow for the LED illumination to be used in critical environments (e.g. coolants and lubricants). The cuboid illuminations have an aluminium housing and the longitudinal illuminations have a plastic housing. Using LED technology, the illuminations achieve a service life of over 50,000 operating hours. As such, there is no need to regularly exchange bulbs.

article-no.	AO000193	AO000194		
operating voltage	24V DC ± 25%	24V DC ± 25%		
power consumption	4W	6W		
current consumption	150mA (24V DC)	250mA (24V DC)		
number of LEDs	3	2		
angle of reflected beam	120°	90°		
design	41x41x66mm	120x25x23.5mm		
material (front screen)	single-pane safety glass	double-pane safety glass with diffusing panel		
		Allowed States		
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This high power LED illumination AO000330 is a robust, compact installation illumination with a high output.

The illumination is suitable for illuminating the surface of a workspace in processing machinery and plant. This equipment is installed with the aid of an installation bracket made from stainless steel or a T-groove on the back panel. Among other applications, this LED illumination is used in lathes and drills as well as in milling and punching machines.

The illumination features 6 high power LEDs. Each LED has an output of 1.5W. An even distribution of light is achieved as a result of the 70° angle (of the reflected beam). All seals are made from Viton, thus achieving protection class IP67. The connection takes place via an M12-connector. The positive pin of the power supply can be connected both via PIN 1 (brown) as well as via PIN 4 (black).

AO000330
24V DC ±10%
9W
350mA (24V DC)
6
143x40x40mm
hard glass

This high power LED spotlight is a robust, compact installation illumination with a high output. The brightness of the illumination is constant, even when the operating current fluctuates. There are two versions available. The spotlight features either with an 8° and/or a 38° angle (of the reflected beam). The robust aluminium housing, the thermally hardened panel and the special casting for protecting the electronics make it possible to use the equipment in

critical environments (water, coolants and lubricants). Active management of the temperature regulates the LED's current supply to a cooler temperature if the heat rises too much, e.g. as a result of high ambient temperatures. Through the use of thick-film hybrid technology as a conductor board substrate and large cooling elements on the housing, low-level thermal transitions in the bulb provide for low heat development. As such, the illuminations achieve a service life of over 50,000 operating hours and there is no need to regularly exchange bulbs. The luminous color of the illuminations is cool white.

article-no.	AO000301 AO000302	
operating voltage	24V DC ±30% 24V DC ±30%	
power consumption	24W	24W
current consumption	1000mA (24V DC) 1000mA (24V DC)	
number of LEDs	8	8
angle of reflected beam	8°	38°
design	Ø 160mm	Ø 160mm
material (front screen)	single-pane safety glass	single-pane safety glass





These robust and inexpensive LED illuminations can be used in a variety of applications. Installation can take place directly inside a machine or switch cabinet. Depending on the length, the illuminations have 6 or 12 LEDs and a 120° angle (of the reflected beam). The electrical connection takes place via a 3-pin M8-cable connector and the voltage supply takes place via PIN 1 (+24V DC, brown cable socket wire) and PIN 3 (0V, blue cable socket wire). The current consumption of the illuminations is 190 and/or 380mA. The luminous color is white.

article-no.	AO000307	AO000308
operating voltage	22 28V DC	22 28V DC
current consumption	190mA (24V DC)	380mA (24V DC)
number of LEDs	6	12
angle of reflected beam	120°	120°
design	300x28x23mm	600x28x23mm
material (front screen)	clear plastic	clear plastic

These high power LED illuminations are robust, compact installation illuminations with a high output. The strip light illumination is suitable for illuminating the surface of a workspace in processing machinery and plant. This equipment is installed within machinery with the aid of the stainless steel bracket (optionally available). The brackets enable an angle adjustment of ±45°. The illumination diameter is 70mm. Existing fixtures can continue to be used. The aluminium extruded section acts as both a holding fixture for the LED as well as to

conduct heat.

As a result of the $60^{\circ}/70^{\circ}$ angle (of the reflected beam), a large area is evenly illuminated at a distance of 1m.

All seals are made from Viton, thus achieving protection class IP67. The connection takes place via an M12-connector.



article-no.	AO000335	AO000327	AO000328	AO000344
operating voltage	24V DC ± 10%	24V DC ± 10%	24V DC ± 10%	24V DC ± 10%
power consumption	12.5W	25W	50W	50W
current consumption	typical 0.5A (bei 24V DC)	typical 1A (bei 24V DC)	typical 2A (bei 24V DC)	typical 2A (bei 24V DC)
number of LEDs	5	10	20	20
design	Ø 70x297mm	Ø 70x562mm	Ø 70x1092mm	Ø 70x1092mm
material (front screen)	hard glass	hard glass	hard glass	hard glass



00303 AO000304	4 AO000305
28V DC 22 28V D	C 22 28V DC
5W 14W	20W
A (bei 24V DC) typical590mA (bei	i 24V DC) typical 840mA (bei 24V DC)
5 10	15
160mm Ø 42x420m	m Ø 42x600mm
cate glass borosilicate g	lass borosilicate glass
	28V DC22 28V D28V DC22 28V DW14WA (bei 24V DC)typical590mA (bei510160mmØ 42x420mcate glassborosilicate g

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These robust and inexpensive LED illuminations can be used in a variety of applications. Installation can take place directly inside a machine or switch cabinet. The compact profile even allows for installation within furniture. For each 250mm, the illuminations feature 6 LEDs and have a 110° angle (of the reflected beam). The diffuse plastic frontage panel enables good distribution of light. The scope of delivery includes 2 retaining clips. The equipment can be fitted using these. The electrical connection takes place via a 3-pin M8-cable connector and the voltage is supplied via PIN 1 (+24V DC, brown cable socket wire) and PIN 3 (0V, blue cable socket wire). The luminous color is white.

article-no.	AO000336	AO000337	AO000338	AO000339
operating voltage	22 30V DC	22 30V DC	22 30V DC	22 30V DC
current consumption	190mA (24V DC)	380mA (24V DC)	570mA (24V DC)	760mA (24V DC)
number of LEDs	6	12	18	24
angle of reflected beam	110°	110°	110°	110°
design	250x16x12mm	500x16x12mm	750x16x12mm	1000x16x12mm
material (front screen)	diffuse plasti	diffuse plasti	diffuse plasti	diffuse plasti

As a result of the 45° angle of light, installation (e.g. in corners) can be performed without any difficulty.



article-no.	AO000340	AO000341	AO000342	AO000343
operating voltage	22 30V DC	22 30V DC	22 30V DC	22 30V DC
current consumption	190mA (24V DC)	380mA (24V DC)	570mA (24V DC)	760mA (24V DC)
number of LEDs	6	12	18	24
angle of reflected beam	110°	110°	110°	110°
design	250x19x19mm	500x19x19mm	750x19x19mm	1000x19x19mm
material (front screen)	diffuse plastic	diffuse plastic	diffuse plastic	diffuse plastic



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