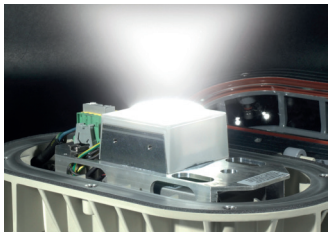
Ex-Ceiling light fittings AB 05 LED

(Zone 1, 2, 21, 22)

The wall and ceiling light fixtures for particularly difficult operating conditions

The impact-resistant and flameproof luminaires of the serie AB 05 LED provides a safe and reliable light- even at extreme ambient temperatures and under extreme environmental conditions, such as those encountered in the oil and gas production industry, in- and outdoor areas of chemical plants or in heavy industry. This is due to the robust powder-coated light metal housing, stainless steel screws and a cover or tube made of scratch- resistant borosilicate glass.

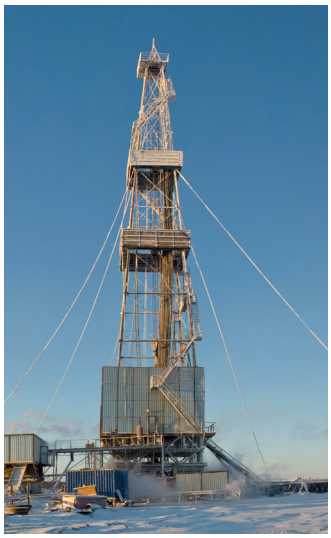


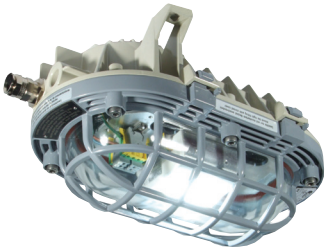
The proper illuminant for your application

The AB 05 LED luminaire has an innovative 22 W LED module. The outstanding features are not only the high energy efficiency but also the resistance to shock and vibration. The luminaires of the series

AB 05 LED - robust against vibrations

This extremely robust luminaire with integral wire guard and its high-efficiency LED module is resistant against shocks and vibrations, has an extremely long lamp life and has also been approved for extremely low ambient temperatures as low as minus 55 ° C. Due to an optimised light distribution for low and medium suspension heights, the AB 05 LED is ideal for illuminating walkways, corridors, stairways and storage rooms and for use in all areas with limited space.





Features

- Extremely rugged design for extremely harsh environments
- Various illuminants can be used
- Wide ambient temperature range depending on the version (-55 °C to +55 °C)
- High degree of protection up to IP 67

Ordering details

AB 05 LED

Ordering details

Type	Lamp/ Illuminant	Rated luminous flux 1)	Weight	Metal thread	Plug	Dust cap	Order No.
AB05 LED including LED-module							
AB 05 LED	LED module 22 W	2000 lm	7.0 kg	1 x M20	-	x	**AB05 251 011 0301**
AB 05 LED	LED module 22 W	2000 lm	7.0 kg	1 x M25	-	x	**AB05 251 021 0301**
AB 05 LED	LED module 22 W	2000 lm	7.0 kg	2 x M20	1 x M20 Ex-d	x	**AB05 251 111 0301**
AB 05 LED	LED module 22 W	2000 lm	7.0 kg	2 x M25	1 x M25 Ex-d	x	**AB05 251 221 0301**

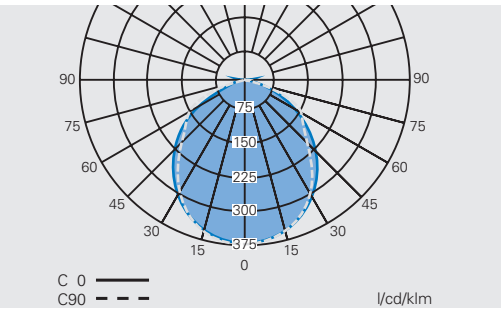
Scope of delivery without fixing accessories, if not stated otherwise.
Metal cable glands see catalogue part 2: 2.3.12 ff

Polar curve / Dimension drawing

AB 05 LED

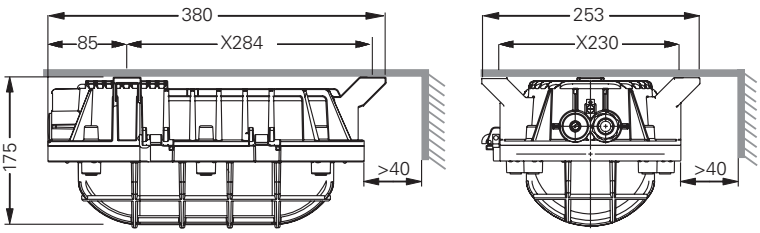
Polar curve

Polar curve AB 05 LED



Dimension drawing

AB 05 LED



Technical data

	AB 05 LED
EC-Type Examination Certificate	BVS 09 ATEX E 014 X
IECEx Certificate of Conformity	IECEx BVS 09.0032X
Marking accd. to 2014/34/EU	Ex II 2 G Ex d IIB T6 (Tu ≤ +40°C)/T5 Gb Ex II 2 D Ex tb IIIC T80 °C (Tu ≤ +40°C)/T100 °C Db IP66
Marking accd. to IECEx	Ex d IIB T6 (Tu ≤ +40°C)/T5 Gb Ex tb IIIC T80°C (Tu ≤ +40°C)/T100°C Db
Permissible ambient temperature	-55 °C up to +55 °C
Rated voltage	230 V AC
Frequency	50 - 60 Hz
Power consumption	approx. 23 W
Protection class	I
Lamp / Illuminant	LED module 22 W (incl.)
Rated luminous flux	
Rated luminous flux of the luminaire (typical, ± 10 %)	1453 lm
Lamp cap	LED module
Light output ratio	100 %
Dimensions (L x W x H)	360 x 230 x 175 mm
Connecting terminals	L1, N, PE: type MUT 4, 2 x 4 mm^2
Enclosure earth	2 x 6 mm^2
Enclosure colour	Epoxy paint, body RAL 7032
Enclosure material	light alloy
Weight	7.0 kg
Cable glands / gland plates / enclosure drilling	1 x M20/M25 x 1.5, 2 x M20/M25 x 1.5, 1 x 3/4" NPT or 2 x 3/4'' NPT on request
Type of mounting	ceiling/wall mounting
Degree of protection accd. to EN EN 60598	IP66
Protective cover / protective bowl	borosilicate glass
Screw plugs	1 x M20/M25 or 3/4" NPT Ex-d screw plug

[1] depends on used lamps

Authorised Distributor:

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Cooper Crouse-Hinds GmbH Publication / 2023_10 / MS
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