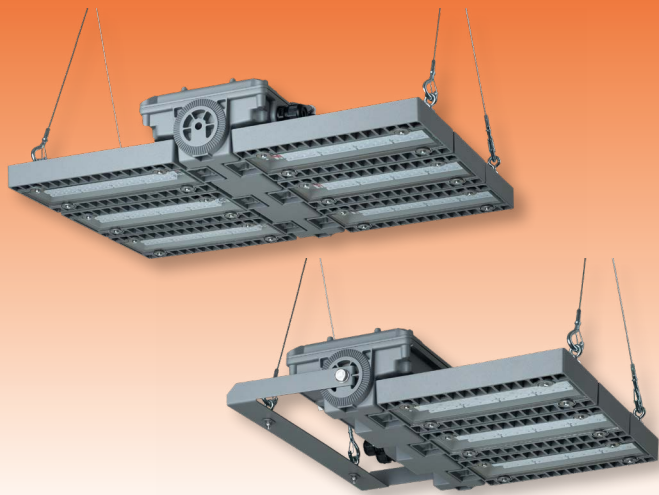




ExSTREAM

LED High Bay Fitting for Ex-Zone 1/21

Series e8825...

Applications:

Hazardous areas of Zones 1 (gas) and 21 (dust), in production, assembly and storage halls, workshops, the chemical - petrochemical and pharmaceutical industries, mills, paper mills, etc.

Design:

Available in 2 versions:

With three or six LED modules.

Housing: Die-cast aluminum, multi-part, thermally separated, powder-coated DB 702 (mica-iron paint, grey). **LED housing** with LED modules, optics and

safety glass. **Device housing** with built-in control gear, wired ready for connection.

Front cover: Thermally resistant safety glass, impact resistance IK08.

Optics: Lens optics with narrow, narrow-wide or wide beam light distribution, Multi-Layer technology.

Connection: 5 poles, max. clamping range 4 mm².

Cable entries: 2 x M25 x 1.5 (2 glands - one of them is plugged)

Mounting: see accessories (4 eyelets included)

Technical Data:

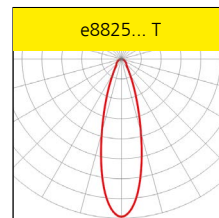
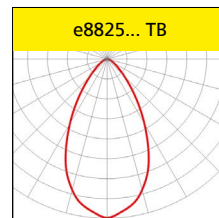
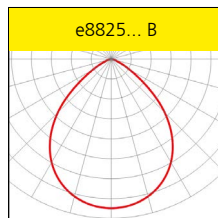
LED-module: approx. 5,500 K (TB- and B-optics) or approx. 6,500 K (T-optics), CRI > 80, service life L₈₀ > 100,000 h at max. ambient temperature, L₉₀ > 90,000 h at 25 °C ambient temperature

ECG: 220 - 240 V AC/DC, 0 or 50/60 Hz, overvoltage, overload and short circuit protection.

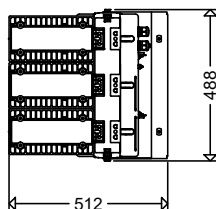
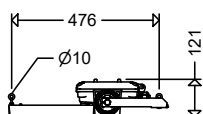
Ambient temperature: -30 °C up to +40 °C/+55 °C (see item tables.)

Options:

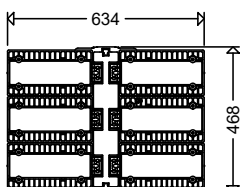
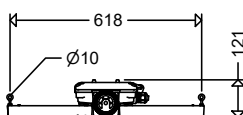
– for lower ambient temperatures (T40), down to -40 °C



e8825/3...



e8825/6...



Product highlights:

- robust, modular design
- highly efficient due to the use of high quality MID-Power LEDs
- extremely long service life even at maximum permissible ambient temperature
- optimized thermal management
 - direct mounting of the LED modules to the housing
 - separate housings for ECG- and LED-modules
 - LED housing with integrated cooling fin structure
 - large cooling surface, excellent heat dissipation, very good convection
- colour rendering index CRI > 80, according to the workplace guide lines suitable for nearly all plant locations
- homogeneous and effective light distribution by specially calculated lens optics
- sustainable, control gear and LED-housing with LED-module replaceable by qualified personnel on-site



Photo: BASF

Properties, limitations and details for controlling LED-light fittings:

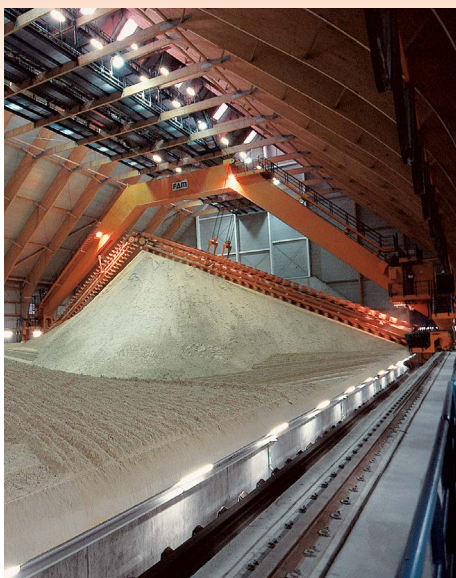
See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Weight [kg] (without packing material)
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Note:

This light fitting is not suitable for application in areas with permanent high humidity in combination with only short periods of operation, such as sewage or stormwater retention tanks or water treatment plants.



e8825...



II 2 G Ex eb
mb q IIC T4 Gb

II 2 D Ex tb IIIC
T100 °C Db

IP66



EU-Type Examination Certificate:

ATEX: IBEu 20 ATEX 1117

Other approvals:

IECEX: IECEx IBE 20.0028

Ignition protection: eb

Marking:

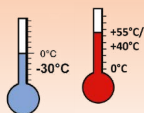
II 2 G Ex eb mb q IIC T4 Gb (Zone 1)

II 2 D Ex tb IIIC T100 °C Db (Zone 21)

Rated voltage: 220 V up to 240 V AC/DC,
0 or 50/60 Hz

Permissible ambient temperature:

-30 °C up to see item tables



wide beam

88250 0001	e8825/3 L120B H55	87	11.850	136	55	8,8
88250 0004	e8825/3 L150B	125	15.800	126	40	8,8
88250 0007	e8825/6 L240B H55	174	23.700	136	55	13,5
88250 0010	e8825/6 L300B	250	31.600	126	40	13,5

narrow wide beam

88250 0002	e8825/3 L120TB H55	87	11.100	128	55	8,8
88250 0005	e8825/3 L150TB	125	14.650	117	40	8,8
88250 0008	e8825/6 L240TB H55	174	22.200	128	55	13,5
88250 0011	e8825/6 L300TB	250	29.300	117	40	13,5

narrow beam

88250 0003	e8825/3 L120T H55	87	10.300	118	55	8,8
88250 0006	e8825/3 L150T	125	13.500	108	40	8,8
88250 0009	e8825/6 L240T H55	174	20.600	118	55	13,5
88250 0012	e8825/6 L300T	250	27.000	108	40	13,5

e8825... DIMD



II 2 G Ex eb
mb q IIC T4 Gb

II 2 D Ex tb IIIC
T100 °C Db

IP66



dimnable via DALI interface

Design:

Same as standard version, but with DALI2-compatible ECG and 2 additional clamping points, marked with DA; the polarity does not matter:

Compatible with LIMAS Line BASIC/PRO Light Management System.

Note:

The conducting wires to the control input must be mains voltage stable and can be integrated in the connection cable.

wide beam

88250 0100	e8825/3 L120B H55 DIMD	87	11.850	136	55	8,8
88250 0103	e8825/3 L150B DIMD	125	15.800	126	40	8,8
88250 0106	e8825/6 L240B H55 DIMD	174	23.700	136	55	13,5
88250 0109	e8825/6 L300B DIMD	250	31.600	126	40	13,5

narrow wide beam

88250 0101	e8825/3 L120TB H55 DIMD	87	11.100	128	55	8,8
88250 0104	e8825/3 L150TB DIMD	125	14.650	117	40	8,8
88250 0107	e8825/6 L240TB H55 DIMD	174	22.200	128	55	13,5
88250 0110	e8825/6 L300TB DIMD	250	29.300	117	40	13,5

narrow beam

88250 0102	e8825/3 L120T H55 DIMD	87	10.300	118	55	8,8
88250 0105	e8825/3 L150T DIMD	125	13.500	108	40	8,8
88250 0108	e8825/6 L240T H55 DIMD	174	20.600	118	55	13,5
88250 0111	e8825/6 L300T DIMD	250	27.000	108	40	13,5

Mounting material

Y-ropes 3301/3302 Y P



Ceiling brackets steel DW 8825 P



Accessories / Spare Parts

Article no.	Type	
Cable glands		
90117 9000	2537	ex-protected plastic cable gland M25 x 1,5
90119 9000	2539	ex-protected plastic cable gland M25 x 1,5 with plug
Mounting material		
33001 9004	3301/3302 Y P	1 pair of Y-ropes, (2-point-mounting) For indoor use only.
26000 0010	DW 8825 P	1 pair of ceiling brackets steel, powder-coated DB 702