

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 DB702 (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 4mm².

Cable entries: 2 x M25 x 1,5 (2 glands - one of them is plugged)

Mounting: see accessories (4 eyelets included)

Technical Data:

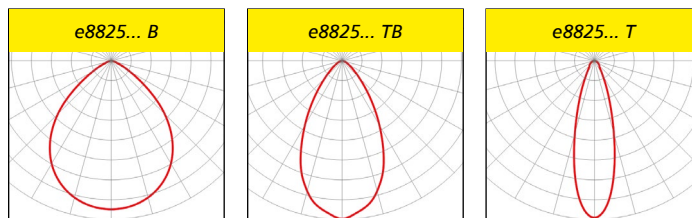
LED-module: approx. 5,500K (TB- and B-optics) or approx. 6,500K (T-optics), CRI > 80, lifetime L₈₀ > 100.000h, L₉₀ > 90.000h at 25°C ambient temperature, lifetime L₈₀ > 100.000h at max. ambient temperature

ECG: 220 - 240V AC/DC, 0 or 5 50/60Hz, overvoltage, overload and short circuit protection.

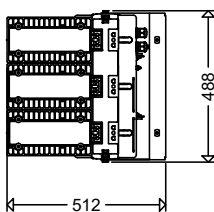
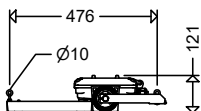
Ambient temperature: -30°C up to +40°C/+55°C (see item tables.)

Options:

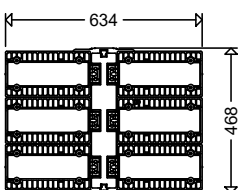
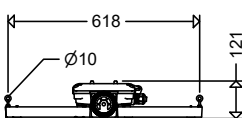
– for ambient temperatures down to -40°C



e8825/3...



e8825/6...



Product highlights:

- robust, modular design
- highly efficient due to the use of high quality MID-Power LEDs
- extremely long lifetime even at maximum permissible ambient temperature
- optimized thermal management
 - direct mounting of the LED modules to the aluminum 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, components interchangeable



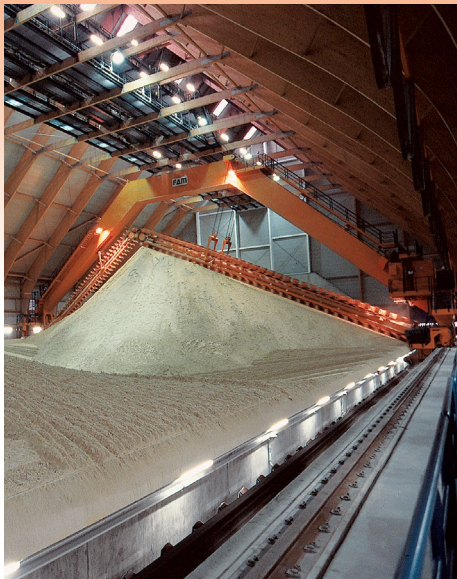
Photo: BASF

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

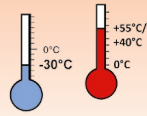
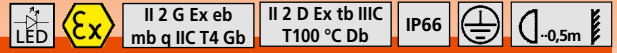
See "Technical Supplement"

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

Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Weight [kg] (without packing material)
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e8825...



EU-Type Examination Certificate:

IBExU 20 ATEX 1117

Other approvals:

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: 220V up to 240V 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

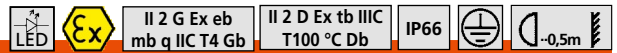
narrow wide beam

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



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 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

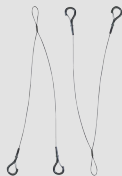
88250 0101	e8825/3 L120TB H55 DIMD	87	11.100	128	55	8,8
88250 0104	e8825/3 L150TB DIMD	125	14.650	117	40	8,8
88250 0107	e8825/6 L240TB H55 DIMD	174	22.200	128	55	13,5
88250 0110	e8825/6 L300TB DIMD	250	29.300	117	40	13,5

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