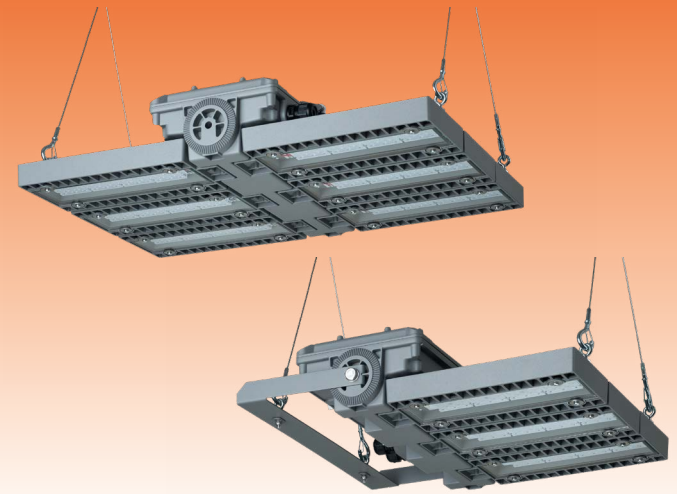


# ExSTREAM

## 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.

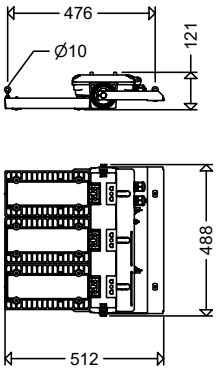
**Design:**
Available in 2 versions:
With three or six LED modules.
Housing: Die-cast aluminum, multi-part, thermally separated, powder-coated DB 702 (mica-iron paint, grey). LED housing with LED modules, optics and safety glass. Device housing with built-in control gear, wired ready for connection.
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:**

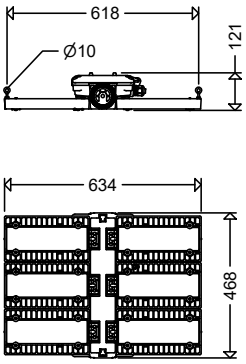
LED-module: approx. 5,500 K (TB- and B-optics) or approx. 6,500 K (T-optics) , CRI > 80, service life $L_{90}$ > 90,000 h at 25 °C ambient temperature, service life $L_{80}$ > 100,000 h at max. ambient temperature
ECG: 220 - 240 V AC/DC, 0 or 50/60 Hz, overvoltage, overload and short circuit protection.
Ambient temperature: -30 °C up to +40 °C/+55 °C (see article tables)

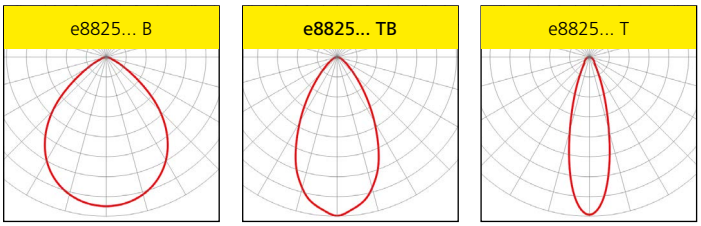
**Options:**
– for lower ambient temperatures (**T40**), down to -40 °C

**e8825/3...**




**e8825/6...**




**Product highlights:**

- **robust, modular design**
- **high efficient** by use of top-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-moules
  – 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
- control gear and LED-housing with LED-module replaceable by qualified personnel on-site

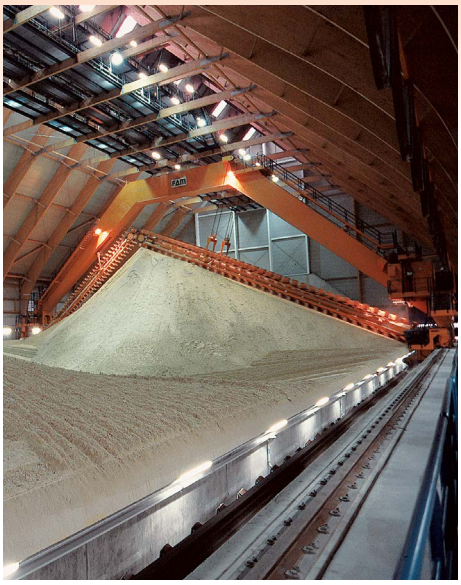



! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

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

**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.



## Mounting material

Y-ropes **3301/3302 Y P**

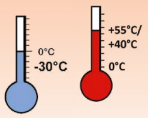


Ceiling brackets steel **DW 8825 P**



## e8825...

II 2 G Ex eb mb q IIC T4 Gb | II 2 D Ex tb IIIC T100 °C Db | IP66 | -0,5m




EU-Type Examination Certificate:
**ATEX:** IBExU 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 article tables

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

LIMAS Line | II 2 G Ex eb mb q IIC T4 Gb | II 2 D Ex tb IIIC T100 °C Db | IP66 | -0,5m

**dimmable via DALI interface**

**Design:**
Same as standard version, but with DALI-2-compatible ECG and 2 additional clamping points, marked with DA. 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.

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

## 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** | | |
| 90022 0006 | **BF SAH Y 420/45 ST P** | 1 pair of Y-ropes, (2-point-mounting)<br>For indoor use only. |
| 26000 0010 | **DW 8825 P** | 1 pair of ceiling brackets steel, powder-coated DB 702 |