ExSTREAM
LED High Bay / Floodlight 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.

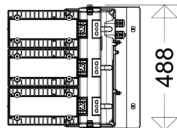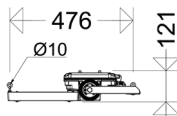Connection: 5 poles, max. clamping range 4mm².

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

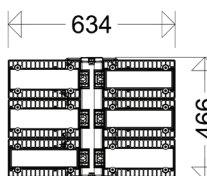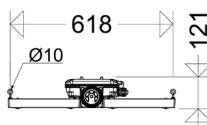Mounting: see accessories (4 eyelets included)

Technical Data:

LED-module: approx. 5,500K (TB- and B-optics) or approx. 6,500K (T-optics) , CRI > 80, life cycle $L_{70}B_{10}$ > 100.000h, $L_{80}B_{50}$ > 100.000h at max. ambient temperature.

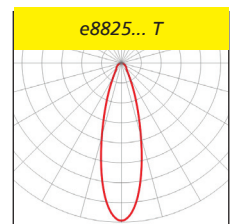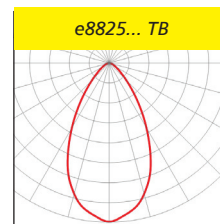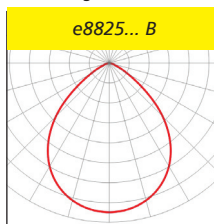ECG: 220 - 240V AC/DC, 0 or 5 50-60Hz, overvoltage, overload and short circuit protection.

Note: Due to the inrush current of the electronic ballasts, the maximum permissible number of light fittings per circuit breaker is limited.

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

Options:
– ECG with DALI interface for dimming (**DIMD**)
– for ambient temperatures down to -40°C

e8825... B	e8825... TB	e8825... T

ExSTREAM Highbay

e8825/3...

476
Ø10
121
488

e8825/6...

618
Ø10
121
634
466

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
- optimised thermal management
  – direct mounting of the LED modules to the aluminum 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
- sustainable, components interchangeable

Floodlight:
- eco-friendly friendly with 0° installation (plane surface floodlights), no light emission into the upper half-space, filfilling Dark-Sky requirements

Foto: BASF

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

See "Technical Supplement"

All technical data is relevant at the time of print. Actual technical data can be found in the internet under www.schuch.en.

Subject to technical changes, misprints and errors.

SCHUCH

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

e8825...

LED | Ex | 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:
IBExU 20 ATEX 1117
Other approvals:
IECEx IBE 20.0028
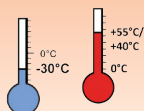Ignition protection: eb

Marking:
II 2 G Ex eb mb q IIC T4 Gb   (Zone 1)
II 2 D Ex tb IIIC T100 °C Db   (Zone 21)
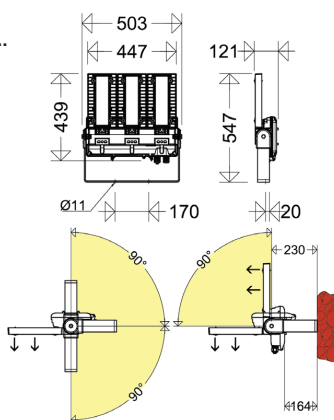Rated voltage: 220V up to 240V AC/DC,
0 or 50/60 Hz
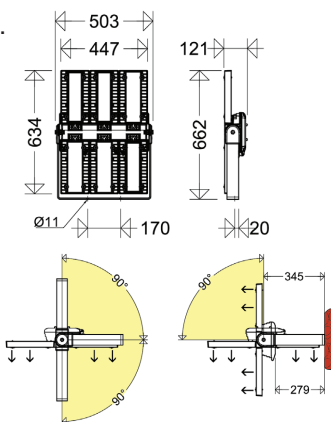Permissible ambient temperature:
-30°C up to see item tables

+55°C/ +40°C
0°C
-30°C
0°C

wide beam

Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Energy efficiency class	Weight [kg]
88250 0001	**e8825/3 L120B H55**	87	11.850	136	55	A++	13,0
88250 0004	**e8825/3 L150B**	125	15.800	126	40	A++	13,0
88250 0007	**e8825/6 L240B H55**	174	23.700	136	55	A++	18,0
88250 0010	**e8825/6 L300B**	250	31.600	126	40	A++	18,0

narrow wide beam

Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Energy efficiency class	Weight [kg]
88250 0002	**e8825/3 L120TB H55**	87	11.100	128	55	A++	13,0
88250 0005	**e8825/3 L150TB**	125	14.650	117	40	A++	13,0
88250 0008	**e8825/6 L240TB H55**	174	22.200	128	55	A++	18,0
88250 0011	**e8825/6 L300TB**	250	29.300	117	40	A++	18,0

narrow beam

Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Ta max [°C]	Energy efficiency class	Weight [kg]
88250 0003	**e8825/3 L120T H55**	87	10.300	118	55	A++	13,0
88250 0006	**e8825/3 L150T**	125	13.500	108	40	A++	13,0
88250 0009	**e8825/6 L240T H55**	174	20.600	118	55	A++	18,0
88250 0012	**e8825/6 L300T**	250	27.000	108	40	A++	18,0

* see notes

ExSTREAM Floodlight

e8825/3...

503
447
121
439
547
Ø11
170
20
90°
90°
230
90°
164

e8825/6...

503
447
121
634
662
Ø11
170
20
90°
90°
345
90°
279

Floodlight Bracket

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

Ceiling brackets steel **DW 8825 P**

Accessories / Spare Parts

Article no.	Type	
Foodlight Bracket		
88251 0001	**e882/3**	Adjustable stainless steel floodlight bracket kit for e8825/3
88251 0002	**e882/6**	Adjustable stainless steel floodlight bracket kit for e8825/6
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

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