

Ex de



## Features

- 4 different modes:
  - continuous, strobe, blinking or rotating
- Compact construction
- Versatile
- Protection degree IP 66 / 67
- Explosion protection class:
  - II 2D Ex tb IIIC IP66 T95°C, T80°C – Db
  - II 2G Ex d e IIC T5, T6 – Gb

## Introduction

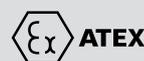
The dSLB 20 LED beacon can be used for warning, indicating and signalling purposes in areas with explosive atmospheres.

With its 4 modes (blinking, flashing, continuous or rotating), this signal lamp is designed for continuous operation.

The dSLB 20 LED signal light is activated by switching on the power supply and is available with various rated voltages. The sturdy housing is suitable for both indoor and outdoor installation.

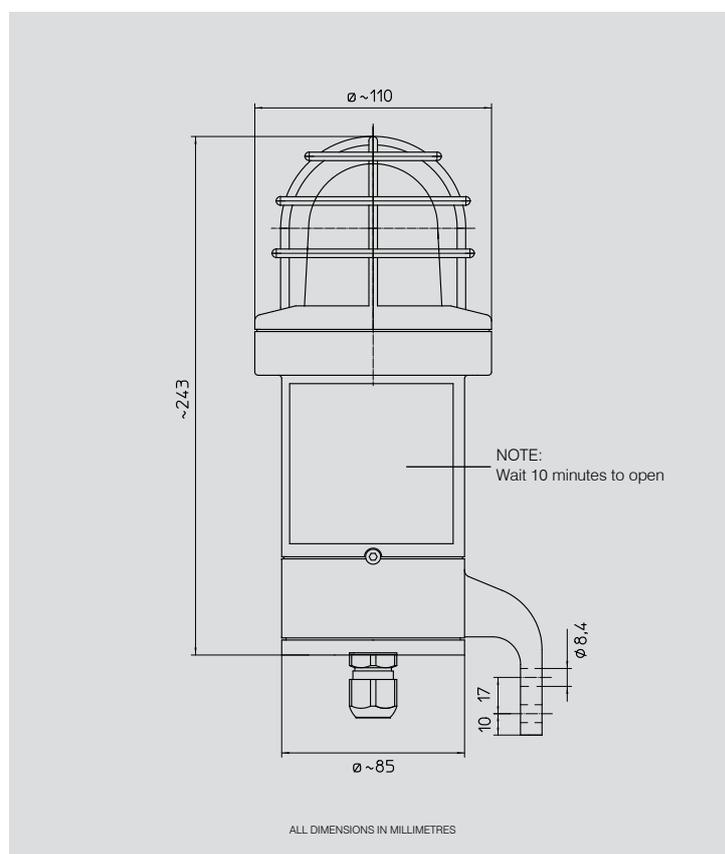
The Ex-signal light consists of a light grade aluminium alloy, flame-proof housing, and a lens manufactured from borosilicate glass.

Used in a chemical plant



# Certification and Specification

<b>Type of protection:</b>	PTB 99 ATEX 1028 II 2G Ex d e IIC T5, T6 Gb. II 2D Ex tb IIIC IP66 T95°C, T80°C Db. IECEX PTB 09.0062. Ex de IIC T6 Gb. Ex tb IIC T80°C Db.
<b>Expl. protection class</b>	III (at 24 VDC), I (at 85 – 265 VAC).
<b>Certified temp:</b>	Operation: -55°C to +55°C.
<b>Housing:</b>	Aluminium · Surface spray painted or powder, colour: yellow/blue with hard glass dome and protective, stain proof steel basket.
<b>Weight</b>	Approx. 2 kg.
<b>IP rating:</b>	IP 66 / 67 according to IEC 60529.
<b>Cable entries:</b>	1x M20 x 1.5 and 1x blind plug M20 x 1.5.
<b>Operating modes:</b>	Continuous operation for all operating modes. Continuous. Blinking light 2 Hz. Strobe light 7x on (55 ms on) and off (19 ms) then 1 sec. break. Rotating light 1 Approx. 44 rotations/min 1 segment on. Rotating light 2 Approx. 33 rotations/min 2 segments on.
<b>Connecting terminals:</b>	Supply voltage: Clamping capacity 2.5 mm <sup>2</sup> solid conductor; 1.5 mm <sup>2</sup> fine-wired. Potential compensation conductor: Screw connection With wire protection bracket, external. Clamping capacity Max. 4 mm <sup>2</sup> .
<b>Operating utilization position:</b>	Any.
<b>Operating conditions:</b>	Inside or outside.
<b>Operating voltage:</b>	DC voltage 24 VDC ± 20 %. Alternating current 85 – 265 VAC.



	RED	YELLOW	GREEN	BLUE	WHITE
Power consumption 24 VDC					
Continuous	app. 550 mA	app. 570 mA	app. 800 mA	app. 850 mA	app. 870 mA
Blinking light (LEDs on)	app. 550 mA	app. 570 mA	app. 800 mA	app. 850 mA	app. 870 mA
Strobe light (LEDs on)	app. 1,2 A	app. 1,2 A	app. 1,5 A	app. 1,5 A	app. 1,6 A
Rotating light 1	app. 190 mA	app. 190 mA	app. 250 mA	app. 250 mA	app. 280 mA
Rotating light 2	app. 250 mA	app. 250 mA	app. 350 mA	app. 350 mA	app. 380 mA
Power consumption 230 VAC					
Continuous	app. 125 mA	app. 125 mA	app. 160 mA	app. 170 mA	app. 170 mA
Blinking light (LEDs on)	app. 125 mA	app. 125 mA	app. 160 mA	app. 170 mA	app. 170 mA
Strobe light (LEDs on)	app. 180 mA	app. 180 mA	app. 210 mA	app. 230 mA	app. 230 mA
Rotating light 1	app. 60 mA	app. 60 mA	app. 65 mA	app. 70 mA	app. 70 mA
Rotating light 2	app. 70 mA	app. 70 mA	app. 80 mA	app. 85 mA	app. 85 mA
Power consumption 120 VAC					
Continuous	app. 190 mA	app. 190 mA	app. 250 mA	app. 280 mA	app. 280 mA
Blinking light (LEDs on)	app. 190 mA	app. 190 mA	app. 250 mA	app. 280 mA	app. 280 mA
Strobe light (LEDs on)	app. 280 mA	app. 280 mA	app. 360 mA	app. 390 mA	app. 420 mA
Rotating light 1	app. 80 mA	app. 80 mA	app. 90 mA	app. 100 mA	app. 120 mA
Rotating light 2	app. 100 mA	app. 100 mA	app. 120 mA	app. 130 mA	app. 135 mA

## Ordering Information

The full article number is made up by appending the colour code for the coloured cap to the article number given here (--).  
Transparent 01 | Red 02 | Amber 03 | Green 04 | Blue 05 | For example, **F22492205** = blue Ex-Signal Light 24VDC.

Type	Name	Voltage	Article no.
dSLB 20 LED	Ex-Signal light	24 VDC with protection cage	F224 922 (--)
dSLB 20 LED	Ex-Signal light	80 – 265 VAC with protection cage	F224 924 (--)

All specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice.  
No liability is accepted for any consequence of use.



6DS153/B 06/14