

KIRA Leuchten ATEX Ex Signal Tower Zone 1, 21, 2, 22

KIRA Leuchten EX ST LED SIGNAL TOWER Zone 1, 21, 2, 22

The ideal solution for condition and status displays as well as signaling faults and level indicators in demanding industrial environments. Designed for use in **Zones 1, 21 and 22 hazardous area**, it offers maximum safety and reliability in environments where safety is a top priority. The EX Signal Column can be equipped with up to 5 LED modules, the colors of which you can choose as you wish. Available colors are green, yellow, blue, white, orange and red. We also offer the LED modules in orange and red with an optional flashing light function to ensure even more attention-grabbing signalling.

Versatile areas of application:

The LED signal tower finds its application in various industries including petrochemical, refineries, shipbuilding, wastewater industry, sewage treatment plants and EX manufacturing plants.

Powerful features:

The signal tower can be equipped with up to 5 indicator lights, which enables versatile adaptation to different requirements. Thanks to the high-quality maintenance-free LED technology, the lights offer excellent brightness and are clearly visible even in difficult lighting conditions.

Robust construction for extreme conditions:

The robust housing made of die-cast aluminium and borosilicate glass tube make the EX signal tower extremely resistant to the challenges of aggressive environments. It is ideally equipped to withstand the stresses in petrochemical plants, refineries or on ships.

Explosion-proof approval for maximum safety:

The explosion-proof LED signal tower is certified in accordance with the strict requirements for use in potentially explosive areas/ It meets the requirements for Zones 1, 21, 2, 22 and therefore offers maximum security for your applications.

EX Flashing lights:

Powerful flashing lights (optional in orange and red) ensure maximum attention and increase safety in your company. Each LED color module is also optionally available as a flash module. Please note: Flash function and continuous light cannot be combined in one module.

EX Traffic lights:

Rely on the Ex-protected traffic light lights to send clear and unambiguous signals.

EX Signal column green, yellow, blue, white, orange, red:

The Ex-protected signal columns offer intuitive color coding (up to 6 colors free selectable) to display different operating states and warnings.

Versatility and flexibility in 24V and 230V:

The signal columns are available in different voltage variants to meet the different requirements of your system. The **24 volt** signal column is ideal to use in machines and systems with 24V systems. Perfect for control and automation applications. The **230 volt** signal column is suitable for direct connection to the power grid. Ideal for use in larger industrial plants and buildings.

Trust in quality and reliability. With the explosion-proof LED signal tower you get a high-quality solution that is designed for longevity, reliability and performance. Rely on our the KIRA many years of experience and their commitment to the highest quality standards to make your operations safer and more efficient.

Nominal voltage: 230V / 110V / 24V

IP Protection Class: IP66, **Impact Resistance:** 7 Joule

Weight: Approx. 5,5-6,0 kg

Tamb: -40°C - +50°C.

Dimensions housing (max. 4 lights) 430x174x210mm.

Dimensions housing (max. 5 lights) 470x174x210mm.

Connection: 1x blind plug M20 & 1x cable gland M20 Ex-d 6,5-14mm.

Optional Cable bushing: For this option we need the desired cable length and type when ordering. Standard is Olflex 5G0.75 or 7G0.75.

ATEX Identification:

II 2 G Ex db IIC T6/T5

II 2 D Ex tb IIIC T120°C Db

Approvals: ATEX, IECEx, EAC TC-RU, Zone 1, 21, 2, 22

ATEX Number: EPS 16 ATEX 1099



Article No.	Description	Voltage	Color
89KRL290875	Ex ST Signal Tower 1 module	230V	To Select
89KRL290876	Ex ST Signal Tower 2 module	230V	To Select
89KRL290877	Ex ST Signal Tower 3 module	230V	To Select
89KRL290878	Ex ST Signal Tower 4 module	230V	To Select
89KRL290879	Ex ST Signal Tower 5 module	230V	To Select

Article No.	Description	Voltage	Color
89KRL290950	Ex ST Signal Tower 1 module	110V	To Select
89KRL290951	Ex ST Signal Tower 2 module	110V	To Select
89KRL290952	Ex ST Signal Tower 3 module	110V	To Select
89KRL290953	Ex ST Signal Tower 4 module	110V	To Select
89KRL290954	Ex ST Signal Tower 5 module	110V	To Select

Article No.	Description	Voltage	Color
89KRL290870	Ex ST Signal Tower 1 module	24V	To Select
89KRL290871	Ex ST Signal Tower 2 module	24V	To Select
89KRL290872	Ex ST Signal Tower 3 module	24V	To Select
89KRL290873	Ex ST Signal Tower 4 module	24V	To Select
89KRL290874	Ex ST Signal Tower 5 module	24V	To Select

Selectable LED Module Colors.

Green	Yellow	Blue	White	Orange	Red
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How to order example:

89KRL290877-R-Y-G (Ex ST Signal Tower 3 module 230V Red/Yellow/Green).



Cable Gland Ex-d



Bushing Ex-d

