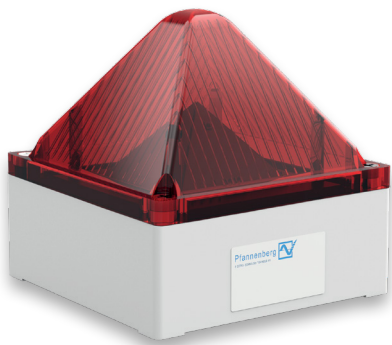


# LED MULTI-FUNCTION LIGHT

## Quadro-LED-HI



Designed for tough requirements under industrial conditions.

- Innovative LED light with high signaling effect.
- Suitable for indoor and outdoor use.
- Extremely insensitive to shock and vibration.
- 3 selectable operating modes as standard:
  - Continuous light
  - Blinking light
  - Flashing light
- 24 V AC/DC devices as standard with Soft Start Module.
- Double-pole terminal.
- Inexpensive and flexible; wide range power supplies as standard.



protection system



impact-proof housing



operating temperature



brightness adjustable




warranty



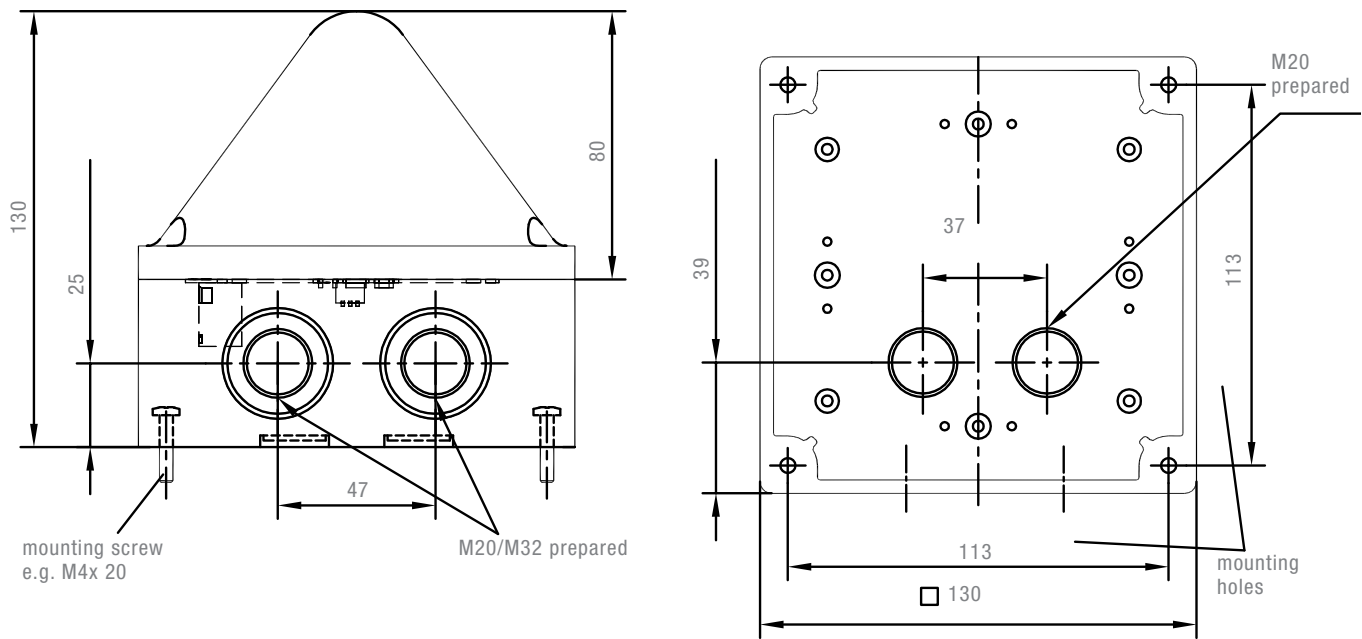
connector (option)

PRODUCT	Quadro-LED-HI		
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DATA			
Rated voltage	115/230 V		24 V
	AC 50   60 Hz / DC		DC
Operating range	90–253 V		11–60 V
Current consumption (@ 1 Hz flash)	45 mA @ 230 V AC		165 mA @ 24 V DC
Operating mode internally and externally selectable (DC)	continuous light	blinking light	flashing light
Light alternation frequency		1 Hz / 2 Hz	0.1 Hz / 0.5 Hz / 0.75 Hz / 1 Hz / 2 Hz
Light source	4 high output LED		
Light intensity (DIN 5037) <sup>1</sup>	75 cd (reducible)		
Max. viewing distance	201 m		
Operating temperature	–40 °C ... +55 °C		
Storage temperature	–40 °C ... +70 °C		
Relative humidity	100 %		
Protection system (EN 60529)	IP 66   IP 67		
Impact resistance (EN 50102)	IK08		
Protection class	II		
Service life of the light source	≥50,000 hrs		
Material	lens	 polycarbonate (PC)	
	housing	polycarbonate (PC), grey RAL 7035	
Cable entry	2x M20/M32 sideways, 2x M20 bottom side		
Connecting terminal	cage clamp 0.08–2.5 mm <sup>2</sup> (2 per Pol)		
Weight	500 g		

<sup>1</sup> with a clear lens




**DIMENSIONS**



Additional mounting possible via external lugs (included).

**OPERATING MODES**

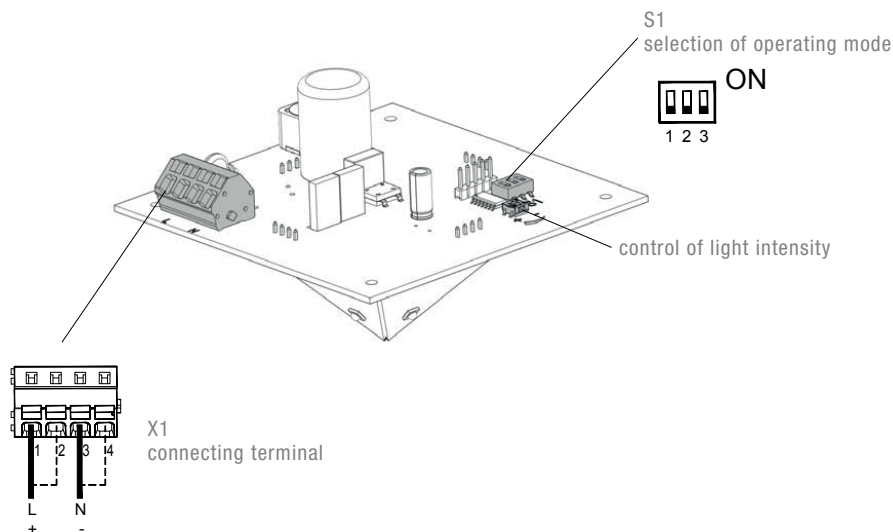
S1			Quadro-LED-HI	
1	2	3		
OFF	OFF	OFF	continuous light	
ON	OFF	OFF	flashing light	1 Hz
OFF	ON	OFF	flashing light	2 Hz
ON	ON	OFF	flashing light	0.75 Hz
OFF	OFF	ON	flashing light	0.5 Hz
ON	OFF	ON	flashing light	0.1 Hz
OFF	ON	ON	blinking light	1 Hz
ON	ON	ON	blinking light	2 Hz

ARTICLE NO.	Quadro-LED-HI	
	230 V AC	24 V DC
	21108643000	21108633000
	21108644000	21108634000
	21108645000	21108635000

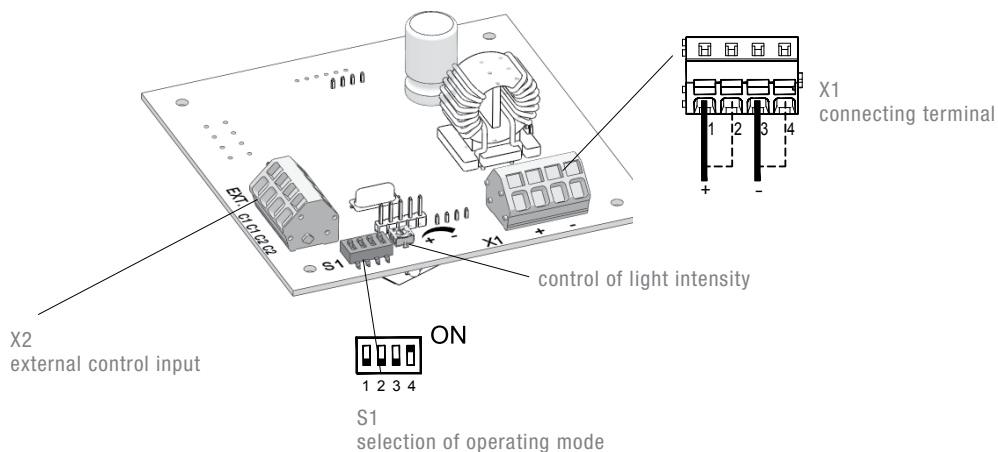
Article numbers for other colours on request.

CONNECTION DIAGRAM

Quadro-LED-HI – 230 V



Quadro-LED-HI – 24 V



CONFORMITY TO STANDARDS

The visual characteristics of LED lights conform to the European standard DIN EN 842; “**Machine safety – visual alarm signals**”. Requirements contained in the DIN EN 981 standard; “**Machine safety – system of acoustic and visual alarm and information signals**”, can be fulfilled. The colours “red” for the emergency signal and “yellow” for the warning signal conform to the requirements of IEC 73 / DIN EN 60073 / VDE 0199; “**Coding of display devices and control elements using colours and supplementary means**”.

References to visual alarm devices can be found in the following standards:

- |             |  |
|-------------|--|
| EN 60825-1  | Radiation safety of laser devices, identical to IEC 825 and DIN-VDE 0837                     |
| DIN EN 54   | Fire alarm systems   |
| DIN 54113-2 | Radiation protection regulations for the technical operation of X-ray equipment up to 500 kV |