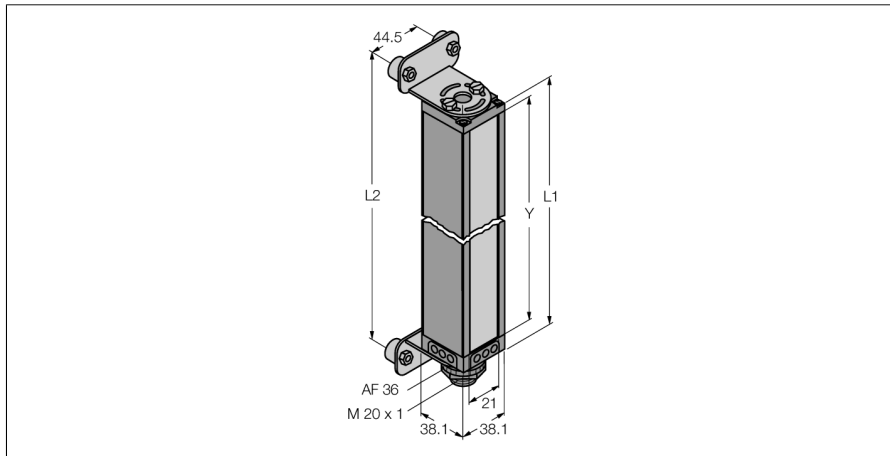# Measuring Light Screen
Emitter
BMEL4832A

- **Minimum target size 9.7 mm**
- **Scan field 1200 mm**
- **Max. sensing range 4.6 m**
- **Operating voltage 11.8…12.2 VDC (from controller)**
- **Protection class IP65**
- **Adjustment via software**

Functional principle

Measuring light screens are ideally suited for precise detection and inspection tasks such as product profiling, sizing, edge and centre guiding, hole and parts detection and the like. Each system consists of an emitter, receiver and a controller module, which is equipped with several switching and analogue outputs, depending on the specific version. The device also enables data transmission via RS232 or R485, either in an binary or ASCII code format. The scan times depend on the height of the measuring array and the adjusted scan mode. Detailed infomation can be taken from the instruction manual.

Type designation	BMEL4832A
Ident no.	3038535

Function	Opposed mode sensor (emitter)
Light type	IR
Wavelength	880 nm
Optical resolution	9.7 mm
Scan field	1210 mm
Number of beams	128
Ambient temperature	-20…+70 °C

Operating voltage	11.4…14 VDC
No-load current I_0	≤ 1200 mA

Approvals	CE
	cULus recognized
Approvals	CE

Design	Rectangular, Mini Array
Dimensions	38.1 x 38.1 x 1267 mm
Housing material	Metal, AL
Lens	plastic, Acrylic
Electrical connection	Connector, 7/8″
Protection class	IP65