

EX series

Diffuse Reflection Light Curtain

Applications

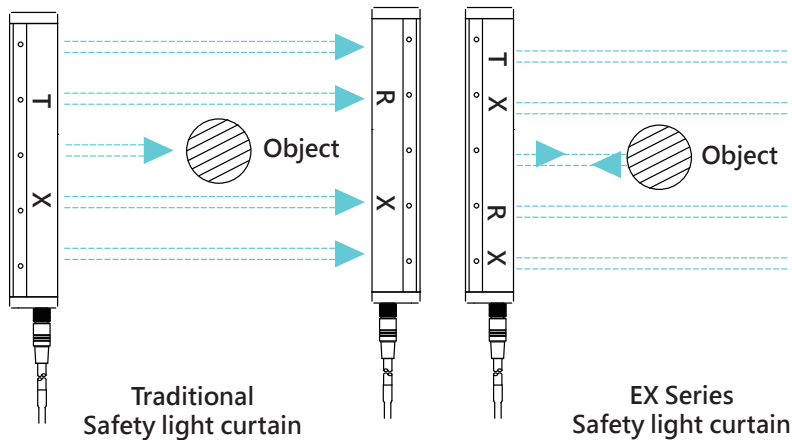
- Single-sided installation save space
- Object detection
- Customizable dimensions



Introduce

In addition to the traditional contrast-type safety light curtain, which consists of a safety light curtain transmitter at one end and a safety light curtain receiver at the other end of the detection area.

The EX series has its safety light curtain's transmitting and receiving sensors on the same side of the detection area. Utilizing the principle of light reflection from objects, it can detect objects appearing in the detection area, making it suitable for applications where it is inconvenient to install sensors at both ends of the detection area.



Property

- Optical Axis Pitch 58mm.
- Detection length 215mm~Customizable Length to meet customer needs.
- It features both NPN and PNP output modes to meet customer wiring requirements.
- Its single-sided installation property makes it suitable for areas with insufficient space.
- Metal made structure durable and sturdy.

General Specifications

Basic information			
Optical Axis Pitch	58mm		
Number of beam	2~33		
Detection zone	103mm~Customized number of optical axis determine detection length.		
Operating distance	0~1.5m (Adjustable range)		
Response Time	Maximum detection response time: 70 seconds		
Classification	CE LVD ; No safety notified (do not use in dangerous equipment)		
Power supply	24VDC ± 20%		
Installation Method	Reserved space, customized mounting holes		
Output mode	One set can be set to NPN or PNP(24V 20mA ; 0V 40mA)		
Appearance	Aluminum ; Silver anode treatment		
Connector	M8 connector		
Ambient temperature	0℃to+ 50℃		
Enclosure rating	IP54(Ingress Protection)Ratings		
Indicator Light			
Contents			
There is an LED indicator light above the projection side; There are two indicator lights at the top of the light-receiving surface side.			
System Status Display.			
Indicator Light position and color		State	Mean
Projector (TX)	Yellow LED	■ ON	Flooding system power on - system working normally ; □ OFF power is not connected
Photodetector(RX)	Red LED	■ ON	The safety light curtain may reflect light or system malfunction, the system stop functioning or signal is broken
Photodetector(RX)	Green LED	■ ON	The safety light curtain is non-reflective and in normal working condition, system is output normal.

EX Series

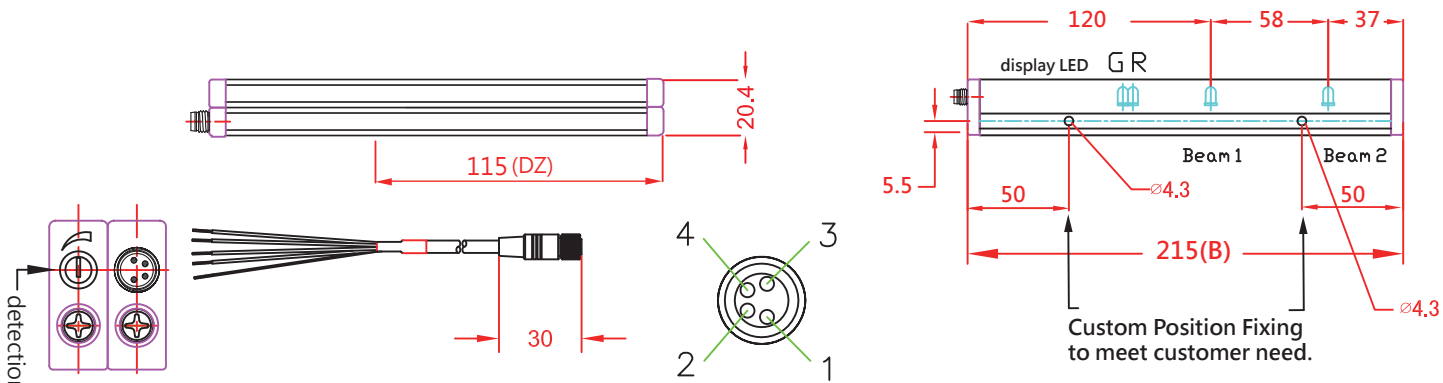
Optical Axis Pitch : 58mm EX(Beam)-58-Overall Length

Model	Beams	Detection Zone (DZ)(mm)	Overall Length (B)(mm)
EX2-58-215	2	115	215
EX3-58-273	3	173	273
EX4-58-331	4	231	331
EX5-58-389	5	289	389
EX6-58-447	6	347	447
EX7-58-505	7	405	505
EX8-58-563	8	463	563
EX9-58-621	9	521	621
EX10-58-679	10	579	679
EX11-58-737	11	637	737
EX12-58-795	12	695	795
EX13-58-853	13	753	853
EX14-58-911	14	811	911
EX15-58-969	15	869	969
EX16-58-1027	16	927	1027
EX17-58-1085	17	985	1085

EX Series

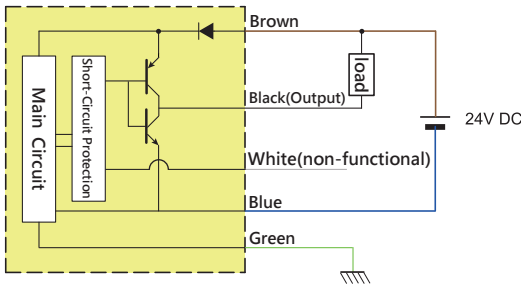
Optical Axis Pitch : 58mm EX(Beam)-58-Overall Length

Model	Beams	Detection Zone (DZ)(mm)	Overall Length (B)(mm)
EX18-58-1143	18	1043	1143
EX19-58-1201	19	1101	1201
EX20-58-1259	20	1159	1259
EX21-58-1317	21	1217	1317
EX22-58-1375	22	1275	1375
EX23-58-1433	23	1333	1433
EX24-58-1491	24	1391	1491
EX25-58-1549	25	1449	1549
EX26-58-1607	26	1507	1607
EX27-58-1665	27	1565	1665
EX28-58-1723	28	1623	1723
EX29-58-1781	29	1681	1781
EX30-58-1839	30	1739	1839
EX31-58-1897	31	1797	1897
EX32-58-1955	32	1855	1955
EX33-58-2013	33	1913	2013

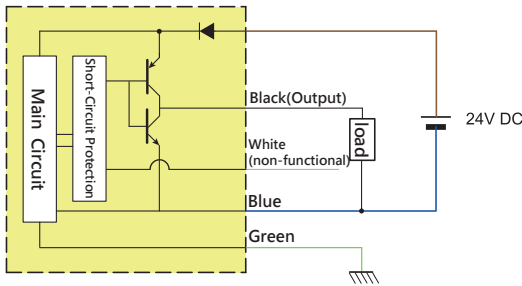


Output / Input Wiring Diagram

NPN Wiring Diagram



PNP Wiring Diagram



Accessories

Matching M8 Cable Connector, Standard Cable Length 3M, Selection Cable length 5M, 10M.

Model	Mean
EX-3M-180	3M Cable wire, 180° degree vertical rotation
EX-3M-90	3M Cable wire, 90° degree vertical rotation

