

LIGHT CURTAIN LC10/20/30/40 SERIES

Features

- (1) Metallic housing, universal type suitable for most of application;
- (2) Clear LED indicator, low cost and high performance;
- (3) The functional state is adjustable and the anti-interference ability is strong;

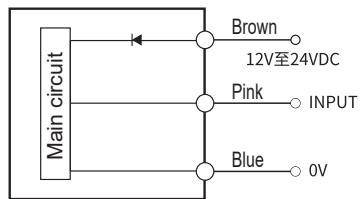


Ratings and Specifications

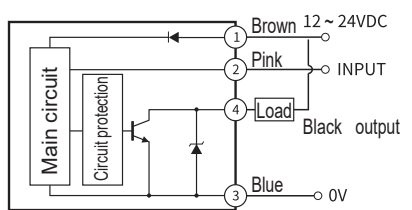
Models NPN	LC10-□□	LC20-□□	LC30-□□	LC40-□□
Models PNP	LC10-□□P	LC20-□□P	LC30-□□P	LC40-□□P
Light beam number	6-148PCS light beams	6-148PCS light beams	4-98PCS light beams	4-74PCS light beams
Distance between light beams	10mm	20mm	30mm	40mm
Height Max. sensing	Distance between two light beams * (Light beam number - 1)			
Sensing distance	0.1-3Meter or 0.1-5Meter			
Min. sensing target	φ30mm Non-transparent objects			
Working voltage	DC12-24V±10%			
Power consumption	3-8W			
Response time	Less than 10ms			
Safety level	IEC61496-1/2			
Outputs	NPN/PNP/Relays			
Outputs currents	200mA			
Circuit protection	Reverse connection protection, overcurrent protection, overvoltage protection			
Indicator of emitter	Power ON: Red LED			
Indicator of receiver	Power LED: Red			
	Output LED: Yellow			
	Alarm indicator: When the power is ON and the self-test, the output loop is found if disconnected, and the green LED flashes.			
Protection	IP65/IP67 (Optional)			
Main materials	Shell: metallic housing, Cap: ABS, Bracket: Cold rolled steel plate			
Operating ambient temperature	-10~+55°C (No frost and freezing)			
Operating ambient humidity	15-85%			
Operating ambient anti lights	Sunlight: 30,000 Lux, Incandescent lamp: 3,000 Lux			
Anti-vibration ability	Frequency 10-55Hz, Amplitude: 0.75mm, 2 hours in XYZ direction			
Anti-shock ability	Acceleration 300m/s ² 2 hours in XYZ direction			
Storage conditions	-10~+70°C (No frost and freezing)			
Synchronization mode	Optical or line synchronization (optional)			

Output/input circuit

Transmitter

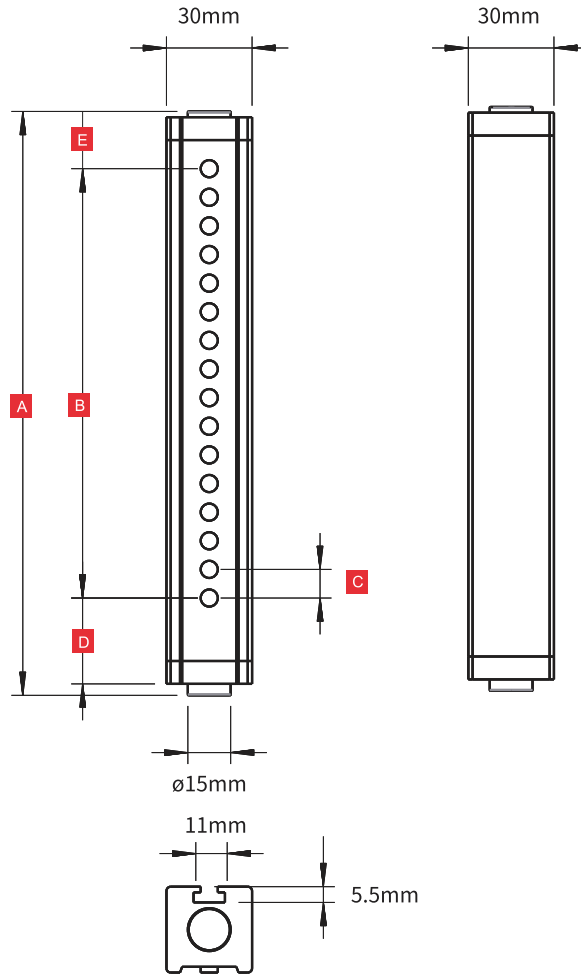


Receiver



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Main body 30mm*30mm



- N: Number of light beams
- A: Total length of Housing
- B: Max. sensing range
- C: Gap between two light beams
- D: Bottom blind area
- E: Top blind area

Datasheet table:

Lights number	A	B	C	D	E
N	B+D+E	N×10-10	10mm	47mm	17mm
N	B+D+E	N×20-20	20mm	47mm	22mm
N	B+D+E	N×30-30	30mm	47mm	27mm
N	B+D+E	N×40-40	40mm	47mm	32mm