

# Light Curtain

## Pick-to-Light

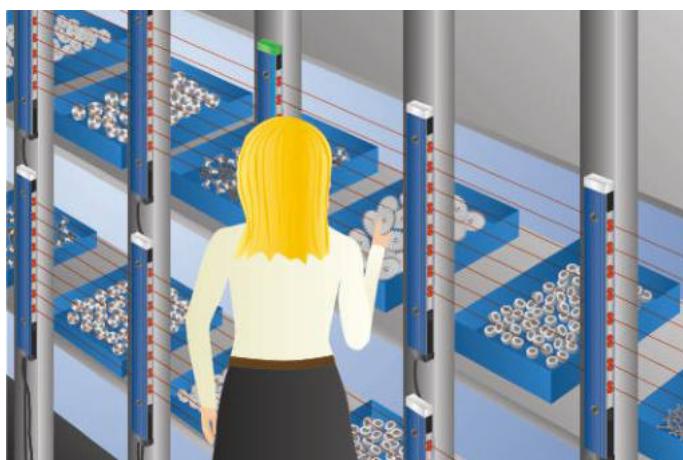
# OLEB272C0102

Part Number



- **360° visible, two-color job display**
- **Error prevention during partial picking processes in shelves and storage locations**
- **Low mounting thanks to integrated reflector**
- **Rugged aluminium housing**

Pick to light light curtains use the single-lens reflex principle. The necessary reflector is pre-installed on the rear of the housing and serves as a reflective surface for the neighboring light curtain, making installation easier. The integrated two-color light from the job display is visible from 360° and shows both correct and incorrect picks.



## Technical Data

### Optical Data

Range	2000 mm
Min. Distance to Reflector	100 mm
Measurement Field Height (MFH)	270 mm
Beam Distance	30 mm
Switching Hysteresis	< 15 %
Light Source	Red Light
Polarization Filter	yes
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	2,5 °
Two-Lens Optic	yes

### Electrical Data

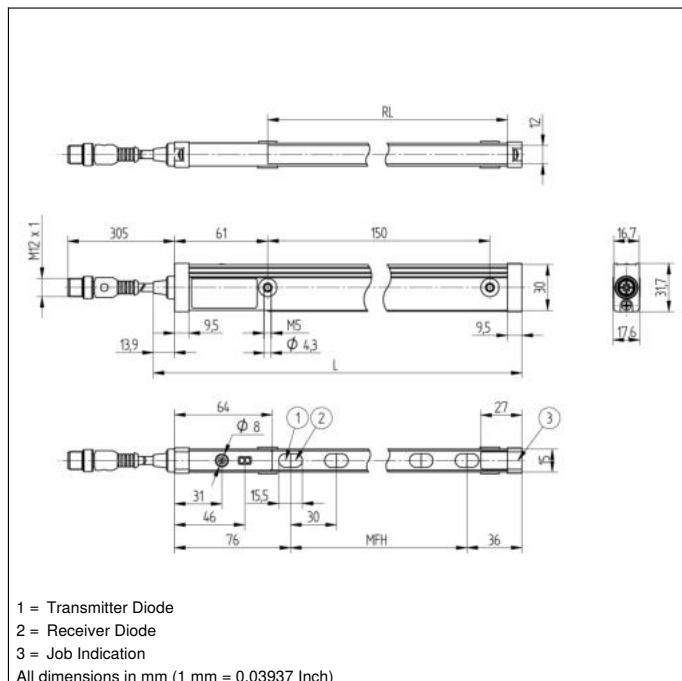
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 50 mA
Switching Frequency	60 Hz
Response Time	8 ms
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Switching Output Voltage Drop	< 2,5 V
PNP Switching Output/Switching Current	200 mA
Residual Current Switching Output	< 50 µA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III

### Mechanical Data

Setting Method	Teach-In
Housing Material	Aluminum
Degree of Protection	IP65
Connection	M12 x 1; 4-pin
Cable Length	250 mm
Housing Length (L)	396 mm
Reflector Length (RL)	324 mm
PNP NO/NC switchable	●
Connection Diagram No.	190
Control Panel No.	EB1
Suitable Connection Equipment No.	2

## Complementary Products

PNP-NPN Converter BG2V1P-N-2M
Reflector Foil ZRDF10K01
Reflector ZRDE12B02

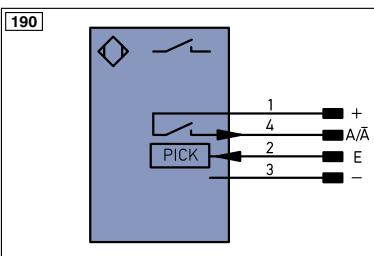


1 = Transmitter Diode

2 = Receiver Diode

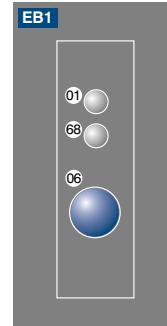
### 3 = Job Indication

All dimensions in mm (1 mm = 0.03937 Inch)



### Legend

Legend	
+	Supply Voltage +
-	Supply Voltage 0 V
~	Supply Voltage (AC Voltage)
A	Switching Output (NO)
Ā	Switching Output (NC)
V	Contamination/Error Output (NO)
ĀV	Contamination/Error Output (NC)
E	Input (analog or digital)
T	Teach Input
Z	Time Delay (activation)
S	Shielding
RxD	Interface Receive Path
TxD	Interface Send Path
RDY	Ready
GND	Ground
CL	Clock
E/A	Output/Input programmable
	IO-Link
PoE	Power over Ethernet
IN	Safety Input
OSSD	Safety Output
Signal	Signal Output
Bi-D	Ethernet Gigabit bidirekt. data line (A-D)
EN <sub>0-555</sub>	Encoder 0-pulse 0-0 (TTL)



01 = Switching Status Indicator

06 = Teach Button

68 = Supply Voltage Indicator

EN <sub>AS422</sub>	Encoder A/Ā (TTL)
EN <sub>BS422</sub>	Encoder B/Ā (TTL)
EN <sub>A</sub>	Encoder A
EN <sub>B</sub>	Encoder B
AMIN	Digital output MIN
AMAX	Digital output MAX
AOK	Digital output OK
SY <sub>IN</sub>	Synchronization IN
SY <sub>OUT</sub>	Synchronization OUT
OL <sub>TR</sub>	Brightness output
M	Maintenance
rsv	reserved
Wire Colors according to DIN IEC 757	
BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GN/YE	Green/Yellow

