



Appearance							
Sectional area	17.2*30mm						
NO.of beams	6~32						
Protection height	50~1240mm						
Protection distance	0.3~3m						
Beam pitch	10/14/20/25/30/40mm						
Min. sized detectable objects	> ϕ 18/ ϕ 22/ ϕ 33/ ϕ 38/ ϕ 48mm, opaque						
Supply voltage	24V DC $\pm$ 10%						
Current consumption	<200mA						
Power consumption	3~8W						
Output type	NPN/PNP						
Synchronization type	line synchronization						
Response time	$\leq$ 15ms						
Light source	Infrared LED (Modulated)						
Protective circuit	Reverse polarity, output short circuit protection						
Ambient temperature	-10 $^{\circ}$ C~+55 $^{\circ}$ C (No condensation, no freezing)						
Ambient humidity	35~85%RH						
Anti-interference ability	10000Lux						
Insulation resistance	Above 100M Ω (DC 500V megger)						
Degree of protection	IP65						
Material	Aluminium alloy						
Connection	M12 connector						
Accessories	Cable length 3m, female (Customization available)						

Fiber Optic

Slot Sensors

Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

Area

Ultrasonic

Vibration

Temperature

Cables

Tester

Guidance

Light curtains

Standard type

Top-emitting type

Side-emitting type

Waterproof type

Measuring type

Economical type

Safety Light Curtain

Beam pitch 10mm

Beam pitch 20mm

Beam pitch 30mm

Beam pitch 40mm

LIDAR scanner

TOF LIDAR scanner

MINI LIDAR scanner

Navigation LIDAR

BZL10

Beam pitch	10mm						
Min. sized detectable objects	> ϕ 18, opaque						
Protection distance	0.3~3m						
NO.of beams	6	8	10	12	14		32
Protection height	50mm	70mm	90mm	110mm	130mm		310mm
Light curtain height	110mm	130mm	150mm	170mm	190mm		370mm
Model NO.	NPN NC	BZL10-T0603NC	BZL10-T0803NC	BZL10-T1003NC	BZL10-T1203NC	BZL10-T1403NC	 BZL10-T3203NC
	PNP NC	BZL10-T0603PC	BZL10-T0803PC	BZL10-T1003PC	BZL10-T1203PC	BZL10-T1403PC	 BZL10-T3203PC

BZL14

Beam pitch	14mm						
Min. sized detectable objects	> ϕ 22, opaque						
Protection distance	0.3~3m						
NO.of beams	6	8	10	12	14		32
Protection height	70mm	98mm	126mm	154mm	182mm		434mm
Light curtain height	132mm	160mm	188mm	216mm	244mm		496mm
Model NO.	NPN NC	BZL14-T0603NC	BZL14-T0803NC	BZL14-T1003NC	BZL14-T1203NC	BZL14-T1403NC	 BZL14-T3203NC
	PNP NC	BZL14-T0603PC	BZL14-T0803PC	BZL14-T1003PC	BZL14-T1203PC	BZL14-T1403PC	 BZL14-T3203PC

Top-emitting Type

BZL Series

BZL20

Beam pitch		20mm					
Min. sized detectable objects		> ϕ 28, opaque					
Protection distance		0.3~3m					
NO.of beams		4	6	8	10	12	 32
Protection height		60mm	100mm	140mm	180mm	220mm	 620mm
Light curtain height		119mm	159mm	199mm	239mm	279mm	 679mm
Model NO.	NPN NC	BZL20-T0403NC	BZL20-T0603NC	BZL20-T0803NC	BZL20-T1003NC	BZL20-T1203NC	 BZL20-T3203NC
	PNP NC	BZL20-T0403PC	BZL20-T0603PC	BZL20-T0803PC	BZL20-T1003PC	BZL20-T1203PC	 BZL20-T3203PC

BZL25

Beam pitch		25mm					
Min. sized detectable objects		> ϕ 33, opaque					
Protection distance		0.3~3m					
NO.of beams		6	8	10	12	14	 32
Protection height		125mm	175mm	225mm	275mm	325mm	 775mm
Light curtain height		186.5mm	236.5mm	286.5mm	336.5mm	386.5mm	 836.5mm
Model NO.	NPN NC	BZL25-T0603NC	BZL25-T0803NC	BZL25-T1003NC	BZL25-T1203NC	BZL25-T1403NC	 BZL25-T3203NC
	PNP NC	BZL25-T0603PC	BZL25-T0803PC	BZL25-T1003PC	BZL25-T1203PC	BZL25-T1403PC	 BZL25-T3203PC

BZL30

Beam pitch		30mm					
Min. sized detectable objects		> ϕ 38, opaque					
Protection distance		0.3~3m					
NO.of beams		4	6	8	10	12	 32
Protection height		90mm	150mm	210mm	270mm	330mm	 930mm
Light curtain height		154mm	214mm	274mm	334mm	394mm	 994mm
Model NO.	NPN NC	BZL30-T0403NC	BZL30-T0603NC	BZL30-T0803NC	BZL30-T1003NC	BZL30-T1203NC	 BZL30-T3203NC
	PNP NC	BZL30-T0403PC	BZL30-T0603PC	BZL30-T0803PC	BZL30-T1003PC	BZL30-T1203PC	 BZL30-T3203PC

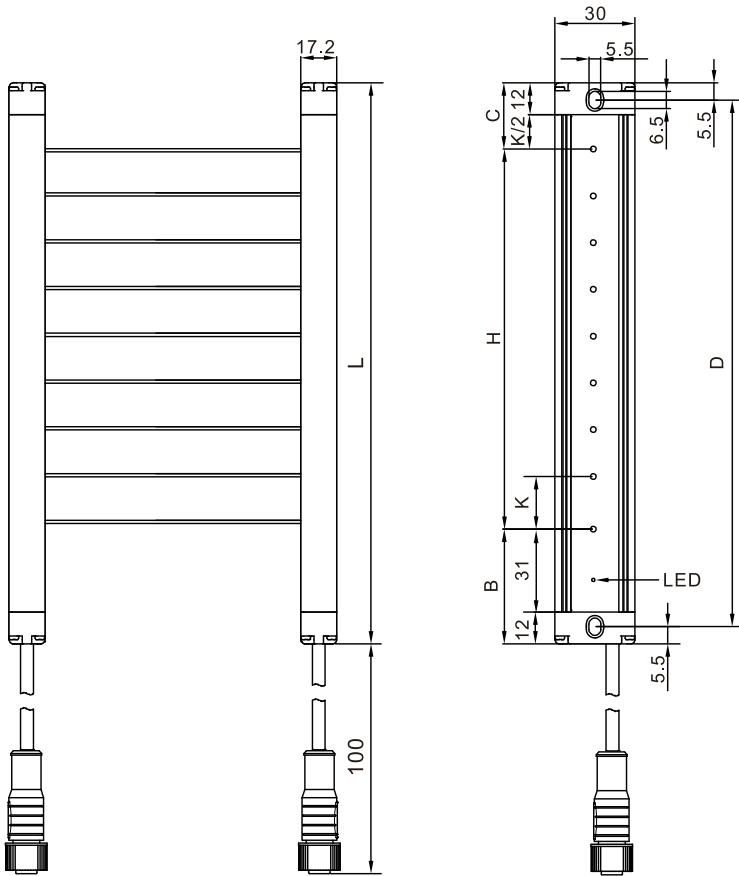
BZL40

Beam pitch		40mm					
Min. sized detectable objects		> ϕ 48, opaque					
Protection distance		0.3~3m					
NO.of beams		4	6	8	10	12	 32
Protection height		120mm	200mm	280mm	360mm	440mm	 1240mm
Light curtain height		189mm	269mm	349mm	429mm	509mm	 1309mm
Model NO.	NPN NC	BZL40-T0403NC	BZL40-T0603NC	BZL40-T0803NC	BZL40-T1003NC	BZL40-T1203NC	 BZL40-T3203NC
	PNP NC	BZL40-T0403PC	BZL40-T0603PC	BZL40-T0803PC	BZL40-T1003PC	BZL40-T1203PC	 BZL40-T3203PC

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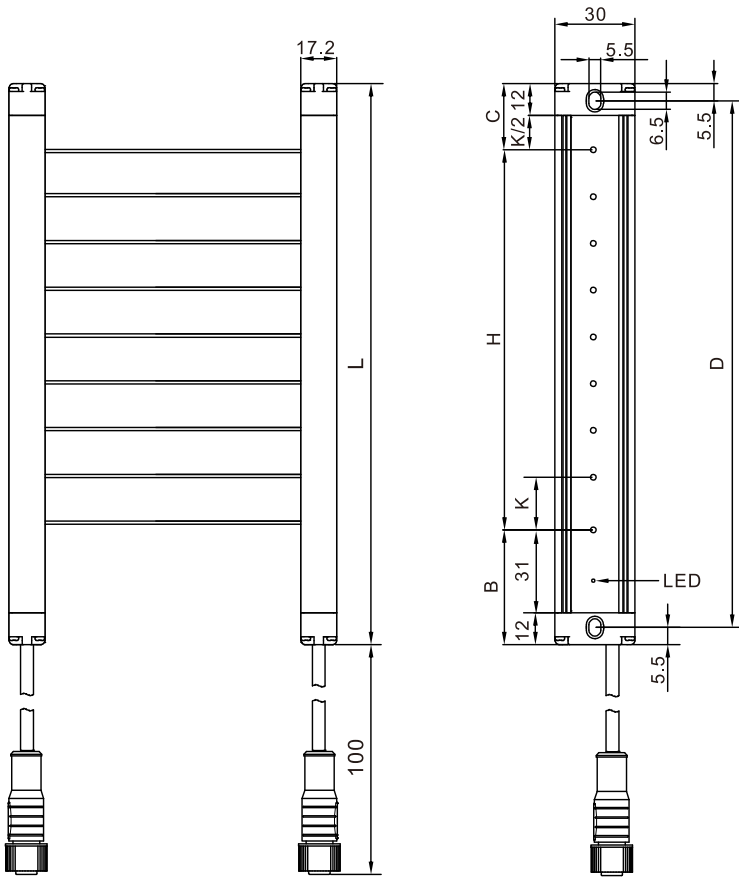
Guidance
Light curtains
Standard type
Top-emitting type
Side-emitting type
Waterproof type
Measuring type
Economical type
Safety Light Curtain
Beam pitch 10mm
Beam pitch 20mm
Beam pitch 30mm
Beam pitch 40mm
LIDAR scanner
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BZL10



H:Protection Height= (N-1) K
L:Light curtain total height=H+60
N:No. of beams
K:Beam pitch=10
B:Lower blind height=43
C:Upper blind height=17
D:Mounting hole spacing= (L-11)

BZL14



H:Protection Height= (N-1) K
L:Light curtain total height=H+62
N:No. of beams
K:Beam pitch=14
B:Lower blind height=43
C:Upper blind height=19
D:Mounting hole spacing= (L-11)

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Light curtains

Standard type
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Safety Light Curtain

Beam pitch 10mm
Beam pitch 20mm
Beam pitch 30mm
Beam pitch 40mm

LIDAR scanner

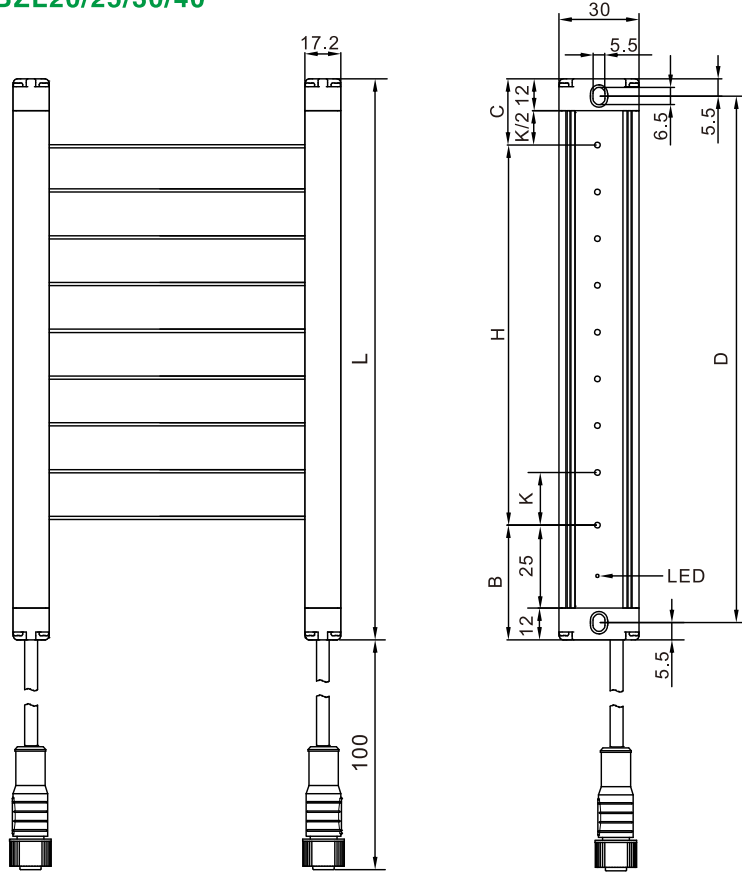
TOF LIDAR scanner
MINI LIDAR scanner
Navigation LIDAR

Top-emitting Type

BZL Series

BZL20/25/30/40

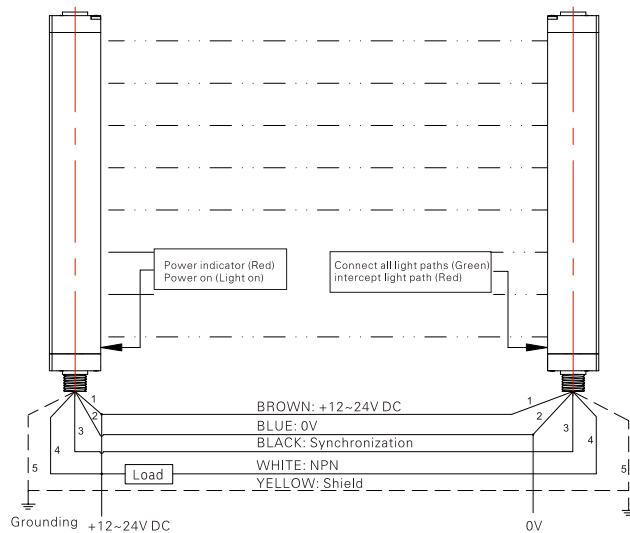
Area



H: Protection Height= (N-1) K
 L: Light curtain total height=(N-1/2)K+49
 N: No. of beams
 K: Beam pitch
 B: Lower blind height=37
 C: Upper blind height=K/2+12
 D: Mounting hole spacing= (L-11)

Connection Diagram

NPN



PNP

