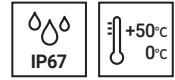


Multiple Color Programmable LED Signal Beacon Light with IO-Link Technology

QDB50-IOL



PRODUCT SPECIFICATION

QDB50-IOL

- State-of-the-art multi colored LED Signal Beacon Light with IO-Link technology
- Signaling device optimized for Industry 4.0
- Plug & play technology applied for immediate operation when mounted on an international standard M12 connector
- 8 types of preset color modes and user-defined settings
- Convenient environment setting possible via IO-Link
- High protection rating of IP67 allows use in various environments
- Ambient operating temperature: 0°C to +50°C

Materials Housing-Al, Lens-PC
Ambient operating temperature 0°C to +50°C
Protection rating IP67



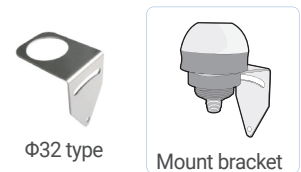
QDB50

QDB50 1-Segment IOL Lights

Model number	Voltage	Certificates	Weight	Color
QDB50-IOL Steady	DC24V	IO-Link CE UK CA	0.116kg	<ul style="list-style-type: none"> ● R-Red ● G-Green ● Y-Yellow ● B-Blue ○ W-White ● O-Orange ● P-Pink ● Custom

Bracket

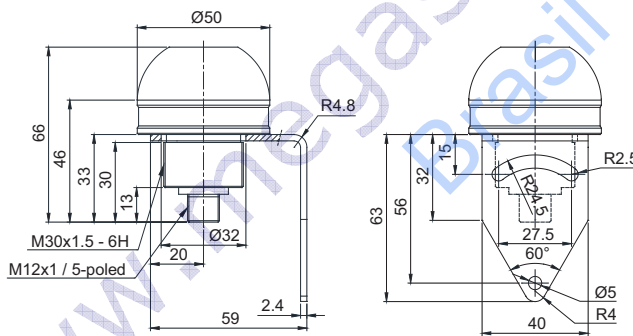
It can be installed on the wall by adopting wall mounting type bracket.



Technical Diagram

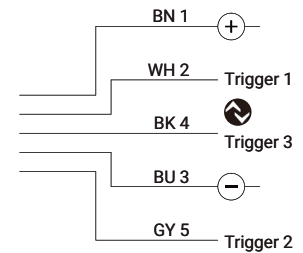
Units : mm

QDB50-IOL



Wiring Instructions

QDB50



Ordering Specification

QDB50-IOL	-	24
[Model number]		[Voltage]
QDB50-IOL		24-DC24V

Operating mode: External trigger

TRIG 1	TRIG 2	TRIG 3	Pre-set	Factory setting
0	0	0	1	Off
1	0	0	2	Red
0	1	0	3	Green
1	1	0	4	Yellow
0	0	1	5	Blue
1	0	1	6	Red blinking
0	1	1	7	Green blinking
1	1	1	8	Yellow blinking

All Trigger Inputs have a delay-50 ms.
Pre-sets can be defined via IO-Link.

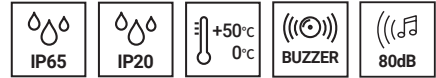
Signal Color Options



Red Green Blue Yellow White Orange Pink

Ø50mm Multiple Color Programmable LED Tower Light with IO-Link Technology

QDT50L-IOL



PRODUCT SPECIFICATION

QDT50L-IOL

Materials Housing-AL, Lens-PC
Ambient operating temperature 0°C to +50°C
Volume Max. 80dB at 50cm
Protection rating IP65/IP20

- State-of-the-art multi colored LED Signal Tower Light with IO-Link technology
- Signaling device optimized for Industry 4.0
- Plug & play technology applied for immediate operation when mounted on an international standard M12 connector
- 8 types of preset color modes and user-defined settings
- Optional 80dB built-in buzzer available
- Convenient environment setting possible via IO-Link
- Ambient operating temperature: 0°C to +50°C



QDT50L

QDT50L-IOL Multi-Segment IOL Signal Columns

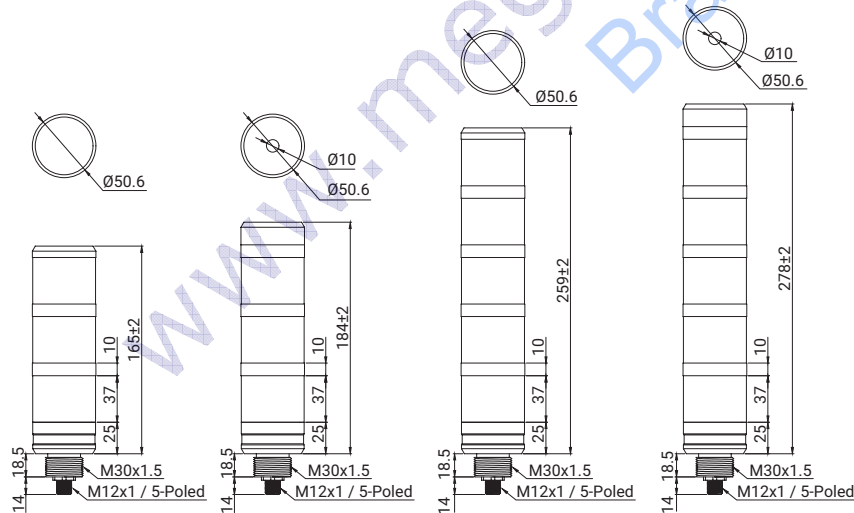
Model number	Layers	Voltage	Certificates	Weight	Color
QDT50L-IOL Standard	3	DC24V	IO-Link CE UKCA	0.27kg	R-Red G-Green Y-Yellow B-Blue W-White O-Orange P-Pink Custom
QDT50L-IOL-BZ Buzzer type	5			0.31kg	
				0.35kg	
				0.39kg	

Technical Diagram

Units: mm

·QDT50L-IOL-3
 ·QDT50L-IOL-BZ-3

·QDT50L-IOL-5
 ·QDT50L-IOL-BZ-5



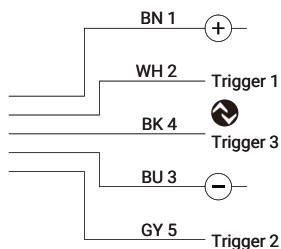
Mounting bracket & Pole

QZ30	QZ302	LB35	R25	PE35-100 PE35-400
Steel	ABS	ABS	ABS	ABS

QDT50L-IOL

Wiring Instructions

- QDT50L-IOL
- QDT50L-IOL-BZ



- Legend
- >RT< = flashing red slowly
 - >>RT<< = rapidly flashing red
 - >BUZ< = Buzzer intermittent (1Hz)
 - >>BUZ<< = Buzzer intermittent (2.5Hz)

All Trigger Input have a delay ~50 ms
Pre-sets can be defined via IO-Link.

3 Layers

TRIG 1	TRIG 2	TRIG 3	Pre-set	Factory setting (Layer 1 / Layer 2 / Layer 3 / Buz)					
				Var. 3S			Var. 3B		
0	0	0	1	--	--	--	--	--	--
1	0	0	2	--	--	RT	--	--	RT
0	1	0	3	GN	--	--	GN	--	--
1	1	0	4	--	YE	--	--	YE	--
0	0	1	5	BU	--	--	BU	--	--
1	0	1	6	WH	--	--	WH	--	--
0	1	1	7	--	--	>RT<	--	--	>RT< >BUZ<
1	1	1	8	--	--	>>RT<<	--	--	>>RT<< >>BUZ<<

5 Layers

TRIG 1	TRIG 2	TRIG 3	Pre-set	Factory setting (Layer 1 / Layer 2 / Layer 3 / Layer 4 / Buz)							
				Var. 5S				Var. 5B			
0	0	0	1	--	--	--	--	--	--	--	--
1	0	0	2	--	--	--	RT	--	--	--	RT
0	1	0	3	--	--	GN	--	--	--	GN	--
1	1	0	4	--	--	--	YE	--	--	--	YE
0	0	1	5	--	BU	--	--	--	--	BU	--
1	0	1	6	WH	--	--	--	WH	--	--	--
0	1	1	7	--	--	--	--	--	--	--	>RT< >BUZ<
1	1	1	8	--	--	--	--	--	--	--	>>RT<< >>BUZ<<

Signal Color Options



Ordering Specification

QDT50L-IOL	-	3	-	24
[Model number] QDT50L-IOL QDT50L-IOL-BZ		[Layers] 3-3 Layers 5-5 Layers		[Voltage] 24-DC24V

Multiple Color Programmable LED Work Light with IO-Link Technology

QDML-IOL



PRODUCT SPECIFICATION

QDML-IOL

Materials Housing-Al, Lens-PU
Ambient operating temperature 0°C to +50°C
Protection rating IP67



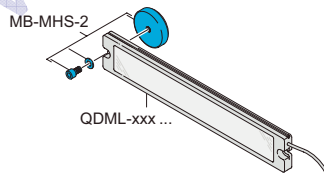
QDML-IOL

- State-of-the-art multi colored LED Work Light with IO-Link technology
- Signaling device optimized for Industry 4.0
- Plug & play technology applied for immediate operation when mounted on an international standard M12 connector
- 8 types of preset color modes and user-defined settings
- Convenient environment setting possible via IO-Link
- Available in a variety of lengths from 125mm to 900mm, allowing customers can choose an appropriate options
- High protection rating of IP67 allows use in various environments
- Ambient operating temperature: 0°C to +50°C

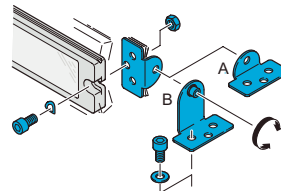
QDML-IOL Multi-Segment IOL Signal Lighting

Optics Specifications					
Model number	QDML-IOL-125	QDML-IOL-250	QDML-IOL-480	QDML-IOL-700	QDML-IOL-910
Lens Color	Transparent				
Light color	Red, Green, Yellow, Blue, White, Orange, Pink, Customization				
Deflection angle FWHM	120°				
Specifications					
Model number	QDML-IOL-125	QDML-IOL-250	QDML-IOL-480	QDML-IOL-700	QDML-IOL-910
Voltage	DC24V				
Range for operation voltage	DC18V-DC30V (Supply Class 2)				
Power consumption	3W	5W	9.1W	13.4W	17.5W
Insulation resistance	Min. 100MΩ (500V DC mega ohm meter)				
Withstanding voltage	DC: 500VAC, 60Hz, 1 minute/AC: 1,500VAC, 60Hz, 1 minute				
Operating temperature	0°C to +50°C				
Protection rating	IP67				
Materials	Housing-Al, Lens-PU				
Certification	IO-Link CE UK CA				
Weight(Approx.)	0.115kg	0.21kg	0.39kg	0.55kg	0.70kg

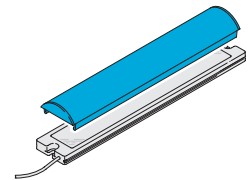
Structural features



Magnetic Holder Set



Mounting Bracket

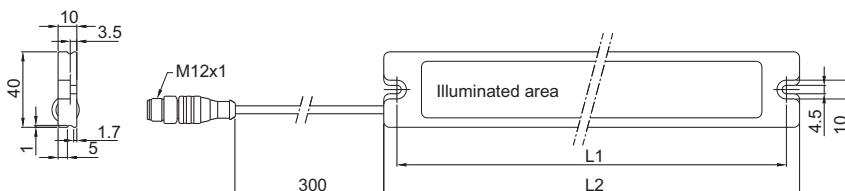


Diffusor

Technical Diagram

Units: mm

QDML



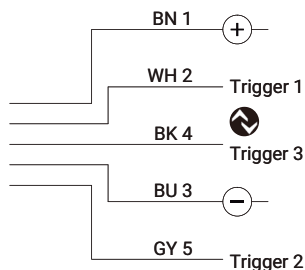
Model	L1	L2
QDML-IOL-125	115	125
QDML-IOL-250	240	250
QDML-IOL-480	466	480
QDML-IOL-700	686	700
QDML-IOL-910	896	910

Multiple Color Programmable LED Work Light with IO-Link Technology

QDML-IOL

Wiring Instructions

·QDML-IOL



Operating mode: External trigger

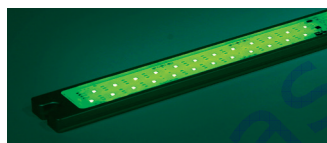
TRIG 1	TRIG 2	TRIG 3	Pre-set	Factory setting	
				Var. 126	Var. 251-911
0	0	0	1	<input type="checkbox"/> Off	<input type="checkbox"/> Off
1	0	0	2	<input checked="" type="checkbox"/> Red	<input checked="" type="checkbox"/> Red
0	1	0	3	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Green
1	1	0	4	<input checked="" type="checkbox"/> Yellow	<input checked="" type="checkbox"/> Yellow
0	0	1	5	<input checked="" type="checkbox"/> Blue	<input checked="" type="checkbox"/> Blue
1	0	1	6	<input type="checkbox"/> Red	<input checked="" type="checkbox"/> Red
0	1	1	7	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Green
1	1	1	8	<input checked="" type="checkbox"/> Red Cycling	<input type="checkbox"/> Yellow

All Trigger Inputs have a delay -50 ms.
Pre-sets can be defined via IO-Link.

Signal Color Options



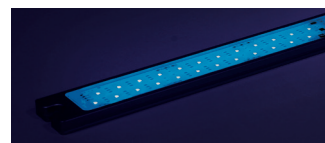
Red



Green



Yellow



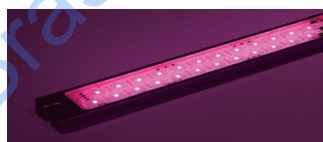
Blue



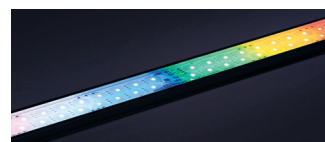
White



Orange



Pink



Customization

Ordering Specification

QDML-IOL	-	480	-	24
[Model number] QDML-IOL		[Product length] 125-125mm 250-250mm 480-480mm 700-700mm 910-910mm		[Voltage] 24-DC24V