

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
- IO-Link Version: V1.1
- Data Transmission Rate: 38,400 bps (COM2)

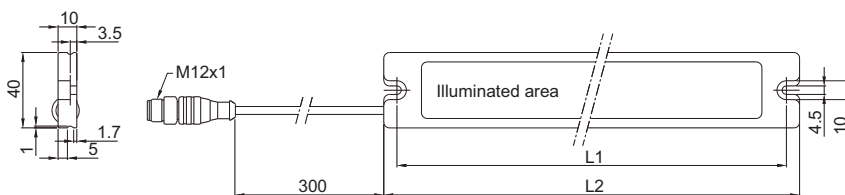
QDML-IOL Multi-Segment IOL Signal Lighting

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

Technical Diagram

Units: mm

QDML



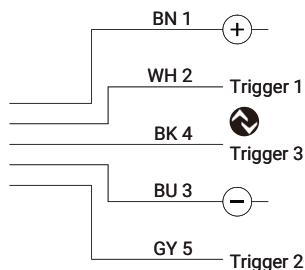
Model	L1	L2
QDML-IOL-125	115	125
QDML-IOL-250	240	250
QDML-IOL-480	466	480
QDML-IOL-700	686	700
QDML-IOL-910	896	910

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.125	Var.250-910
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

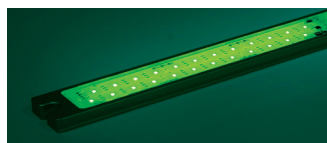
All Trigger Inputs have a delay -50 ms.

Pre-sets can be defined via IO-Link.

Signal Color Options



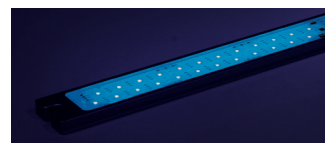
Red



Green



Yellow



Blue



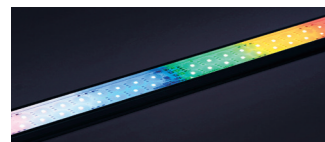
White



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