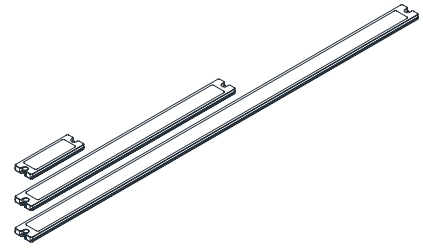# Multiple Color Programmable LED Work Light with IO-Link Technology
QDML-IOL

IP67 0~+50℃

Thank you for purchasing Qlight's products. Please read this user manual carefully prior to installation and operation to ensure safe and correct use.

⚠ Precautions for Safety

Failure to follow the instructions below may cause a loss of life or serious physical injury.

1. During wiring or maintenance, please completely turn off the power of the product. (Failure to follow this may lead to an electric shock.)
2. Do not install the product in locations that subjects it to excessive dust or water other than the conditions designated by the IP protection ratings indicated for each product. (Failure to follow these instructions may cause a fire to the product, electric shock, physical injury, malfunction or damage to the product.)
3. Do not alter or repair this product. If maintenance or repair service is required, please contact your local Qlight contact point. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
4. Please apply the correct voltage to the product. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
5. When the product is applied to a condition that may impact lives or property, please make sure to have a double safety device. (Failure to follow this may cause damage to property, fire, electric shock and loss of life.)

⚠ Precautions for Correct Use

Failure to follow the proper instructions may cause damage to property, the product, or malfunction of the product that would void the warranty.
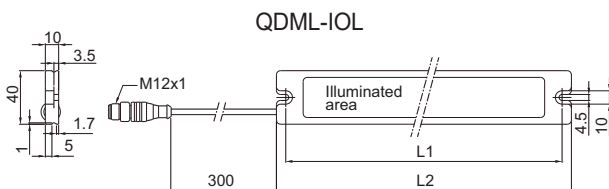
1. Please remove any objects that can interrupt ventilation around the product.
2. Please turn off the power of the product immediately if it fails to operate properly.
3. Carefully wire the product according to each product's specification.
4. Please be careful in preventing chemicals such as thinner, benzene, etc. in contact with the surface of the product.
5. Do not apply excessive force/impact to the product.
6. Failure to follow any of the instructions above may cause malfunction or damage to the product, fire, and electric shock.

Ordering Specifications

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

Dimensions
(Units : mm)

QDML-IOL

Model	L1	L2
QDML-IOL-125	115	125
QDML-IOL-250	240	250
QDML-IOL-480	466	480
QDML-IOL-700	486	700
QDML-IOL-910	896	910

Please scan the QR code for more detailed product information.

www.qlight.com

Product Specifications

■ Optics Specifications

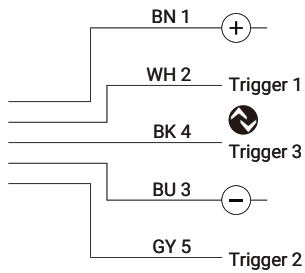| Model number	QDML-IOL-125 / 250 / 480 / 700 / 910
Lens Color	Transparent
Directions	Red, Green, Yellow, Blue, White, Orange, Pink, Customization
Deflection angle FWHM	120°

■ Specifications

Model number	QDML-IOL-100	QDML-IOL-250	QDML-IOL-480	QDML-IOL-700	QDML-IOL-910
Voltage	DC24V				
Range for operation voltage	DC24V				
Power consumption	3W	5W	9.1W	13.4W	17.5W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)				
Withstanding voltage	DC:500VAC, 60Hz, 1minute/AC:1,500VAC, 60Hz,1minute				
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

Wiring Instructions

■ Operating mode: External trigger

TRIG 1	TRIG 2	TRIG 3	Pre-set	Factory setting	
				Var. 126	Var. 251-911
0	0	0	1	Off	Off
1	0	0	2	Red	Red
0	1	0	3	Green	Green
1	1	0	4	Yellow	Yellow
0	0	1	5	Blue	Blue
1	0	1	6	Red	Red
0	1	1	7	Green	Green
1	1	1	8	Red Cycling	Yellow

BN 1 — (+)
WH 2 — Trigger 1
BK 4 — Trigger 3
BU 3 — (−)
GY 5 — Trigger 2

Installation Environment and Protection Rating

- This product is designed for indoor use with protection rating of IP67.
- If the product is installed in locations that subject it to excessive dust or water other than the designated IP protection rating indicated, it may cause malfunction or damage to the product.
- For further information, please visit our website (www.qlight.com).