

LED Work Lights for Industrial Purpose Specification List



Model number(series)	QML-150	QML-250	QMHL-150	QMHL-250
Voltage	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V
Consumption of electrical power	11-13W	23-29W	11-12W	23-25W
Dimension (mm)	Direct mount (D type)	255(W)×115(L)×36(H)	155(W)×105(L)×36(H)	255(W)×115(L)×36(H)
	Bracket (K type)	155(W)×156(L)×36(H)	255(W)×166(L)×36(H)	155(W)×156(L)×36(H)
	Bracket (MF type)	155(W)×191(L)×36(H)	255(W)×201(L)×36(H)	155(W)×191(L)×36(H)
Material	Housing : Al, Lens : Tempered glass	Housing : Al, Lens : Tempered glass	Housing : Al, Lens : Tempered glass	Housing : Al, Lens : Tempered glass
Lens color	Translucent	Translucent	Transparent	Transparent
Lamp color	Cooldaylight	Cooldaylight	Cooldaylight	Cooldaylight
Intensity of illumination(at 1m)	620Lux	890Lux	1,000Lux	1,900Lux
Mounting	Direct mount(D type), Mount bracket(K type), Revolving mount bracket (MF Type)	Direct mount(D type), Mount bracket(K type), Revolving mount bracket (MF Type)	Direct mount(D type), Mount bracket(K type), Revolving mount bracket (MF Type)	Direct mount(D type), Mount bracket(K type), Revolving mount bracket (MF Type)
Protection rating	IP67/ IP69K	IP67/ IP69K	IP67/ IP69K	IP67/ IP69K
Certificate	CE, UL, KC	CE, UL, KC	CE, KC	CE, KC
Customization	M12 connector equipped	M12 connector equipped	M12 connector equipped	M12 connector equipped
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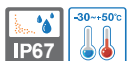
Model number(series)	QFL-200/ 300/ 400/ 500/ 600/ 1200	QFLC-200/ 300/ 400/ 500/ 600/ 1200	QMFLN-200/ 300/ 400/ 500/ 600
Voltage	DC24V, AC110V/ AC220V	DC24V, AC110V/ AC220V	DC24V
Consumption of electrical power	5.5-53W	5.5-53W	5.6 - 25W
Dimension (mm)	Length	240-1190	190-600
	Width	60	38
	Height	63	67.4
Material	Lens : PC, Side cover : Al	Lens : PC, Side cover : Al	Housing: Al, Lens : Tempered glass
Lens color	Translucent	Transparent	Transparent
Lamp color	Cooldaylight	Cooldaylight	Cooldaylight
Intensity of illumination(at 1m)	120-1,200Lux	150-1,560Lux	270-1,300Lux
Mounting	Mount bracket	Mount bracket	Mount bracket
Protection rating	IP67	IP67	IP67/ IP69K
Certificate	CE	CE	CE, UL
Customization	M12 connector equipped	M12 connector equipped	M12 connector equipped
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Model number(series)	QPL200/ 300/ 400/ 500	QPLC200/ 300/ 400/ 500	QPHL200/ 300/ 400/ 500	QPHLC200/ 300/ 400/ 500
Voltage	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V
Consumption of electrical power	4-11W	4-11W	4.8-11W	4.8-11W
Dimension (mm)	Length	200-500	200-500	200-500
	Width	39.4	39.4	39.4
	Height	24.4	24.4	24.4
Material	Lens : PC, Side cover : ABS	Lens : PC, Side cover : ABS	Lens : PC, Side cover : ABS	Lens : PC, Side cover : ABS
Lens color	Translucent	Transparent	Translucent	Transparent
Lamp color	Cooldaylight	Cooldaylight	Cooldaylight	Cooldaylight
Intensity of illumination(at 1m)	50-215Lux	65-265Lux	80-290Lux	100-375Lux
Mounting	Direct mount	Direct mount	Direct mount	Direct mount
Protection rating	IP65	IP65	IP65	IP65
Certificate	CE, UL	CE, UL	CE, UL	CE, UL
Customization				
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QFL/ QFLC

Water and Vibration Resistant LED Light Bars with IP67 Protection



Common Specifications(QFL/ QFLC)

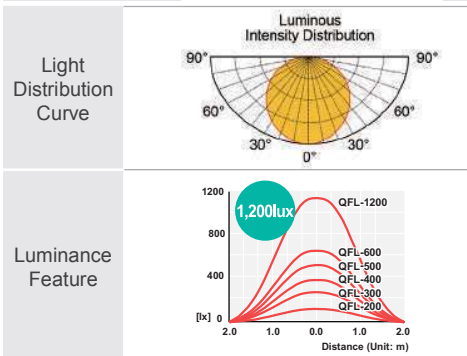
- Excellent front and side light distribution with the use of a special light distributing structure on the surface of the oval lens
- An external power supply is not needed for the AC type product; AC voltage can be applied directly to the product
- Excellent heat dissipation by using a heat dissipative material connected to the outer cover
- Water and vibration proof model (IP67), suitable for outdoors and places with dust and moisture
- Can select between QFL model (Anti-glare type) and QFLC model (High luminance type) depending on your work conditions
- Tilt bracket provides wide luminance angle adjustment of 130°
- Superior durability with lens made of polycarbonate
- Standard entry cable included. Can customize the product with the M12 connector if requested
- Certificates: CE Compliant



QFL Translucent Lens Type



Light Distribution and Illuminance



Specifications on Luminance

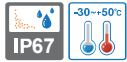
Model	QFL-200	QFL-300	QFL-400	QFL-500	QFL-600	QFL-1200	
Lens color	Translucent	Translucent	Translucent	Translucent	Translucent	Translucent	
Light color	Cooldaylight						
Color temperature	6,000-7,000K						
Luminous flux	DC	395lm	828lm	1,087lm	1,474lm	1,815lm	3,338lm
	AC	-	-	1,172lm	1,602lm	1,862lm	3,545lm
Efficacy (lm/W)	DC	120lux	250lux	375lux	500lux	625lux	1,150lux
	AC	-	-	400lux	545lux	640lux	1,200lux

General Specifications

Model	QFL-200	QFL-300	QFL-400	QFL-500	QFL-600	QFL-1200
Voltage	DC24V					
Range for operation voltage	AC220V(Except QFL-200/300) DC21.5V-26.5V/ AC198V-245V					
Current	0.190A	0.370A	0.530A	0.700A	0.900A	1.800A
Power consumption	4.5W	9W	13W	17W	20W	44W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)					
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute / AC : 1,500V AC, 60Hz, 1 minute					
Operating temperature	-30°C to +50°C					
Protection rating	IP67					
Materials	Lens : PC, Cover : Al, Heat sink : Al					
Certifications	CE (Except QFL-1200 DC24V)					
Weight(Approx.)	0.40kg	0.49kg	0.58kg	0.73kg	0.82kg	1.28kg
	-	-	0.61kg	0.76kg	0.85kg	1.31kg

QFL/ QFLC

Water and Vibration Resistant LED Light Bars with IP67 Protection

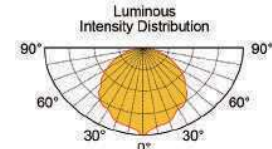


QFLC Transparent Lens

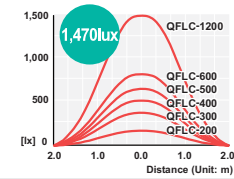


Light Distribution and Illuminance

Light Distribution Curve



Luminance Feature



Specifications on Luminance

Model	QFLC-200	QFLC-300	QFLC-400	QFLC-500	QFLC-600	QFLC-1200	
Lens color	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	
Light color	Cooldaylight						
Color temperature	6,000-7,000K						
Luminous flux	DC	462lm	975lm	1,282lm	1,739lm	2,084lm	3,970lm
	AC	-	-	1,384lm	1,893lm	2,198lm	4,221lm
Efficacy (lm/W)	DC	150lux	310lux	460lux	620lux	775lux	1,470lux
	AC	-	-	500lux	670lux	815lux	1,500lux

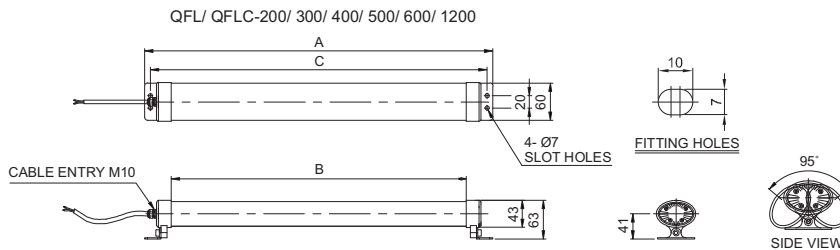
General Specifications

Model	QFLC-200	QFLC-300	QFLC-400	QFLC-500	QFLC-600	QFLC-1200
Voltage	DC24V					
Range for operation voltage	AC220V(Except QFLC-200/300) DC21.5V-26.5V/ AC198V-245V					
Current	0.190A	0.370A	0.530A	0.700A	0.900A	1.800A
Power consumption	4.5W	9.5W	12.5W	17W	20W	40W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)					
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute / AC : 1,500V AC, 60Hz, 1 minute					
Operating temperature	-30°C to +50°C					
Protection rating	IP67					
Materials	Lens : PC, Side cover : Al, Heat sink : Al					
Certifications	CE (Except QFLC-1200 DC24V)					
Weight(Approx.)	0.47kg	0.57kg	0.67kg	0.77kg	0.86kg	1.32kg
	-	-	0.71kg	0.81kg	0.90kg	1.40kg



Technical Diagram

(Units : mm)



※ External power line - Dura & Flex-F VU(0.5sq) x 2C 450mm

MODEL	A	B	C
QFL/ QFLC-200	240	152	220
QFL/ QFLC-300	340	252	320
QFL/ QFLC-400	440	352	420
QFL/ QFLC-500	540	452	520
QFL/ QFLC-600	640	552	620
QFL/ QFLC-1200	1190	1102	1170



Ordering Specification

QFL	600	24
[Model number]	[Product length]	[Voltage]
<ul style="list-style-type: none"> • QFL : Translucent lens • QFLC : Transparent lens 	<ul style="list-style-type: none"> • 200 : 240mm • 300 : 340mm • 400 : 440mm • 500 : 540mm • 600 : 640mm • 1200 : 1,190mm 	<ul style="list-style-type: none"> • 24-DC24V • 220-AC220V (Except QFL(C)-200/300)

