

Innovation in alarm & signal

CATALOGUE 2022.05
Industrial LED Lights



Pacific Automation are authorised Australian distributions for the Qlight range.

Qlight

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Company Introduction



Qlight Gives You a Brighter Future!

Qlight has been a world-leading provider of visual and audible status indicating systems and solutions for the last three decades. We pride ourselves in developing products which help our customer's improve productivity, safety, and quality control in the industrial automation and commercial industries. Our strong dedication to innovative products, quality assurance, well-established supply chain, customizable manufacturing and strong customer relationships have helped us earn the top market share in Korea and China. These core values have also been fundamental to our continued growth into new markets. Qlight's products are certified by the International Quality Management System (ISO14001), IECEX, ATEX, UL, NEPSI, CE, Lloyd, KIMM, and KOSHA which display our dedication to strin-

gent quality control and product development based on safety-pursuing industry standards.

Our assembly lines in Busan, South Korea and Shanghai, China presently provide a variety of more than 450 of products to more than 40 countries, based on sales offices in South Korea (Seoul, Busan) China (Shanghai, Shenzhen, Shenyang, Tianzhen, Tianjin, Wenzhou), and the U.S. (Silicon Valley). The Qlight brand reflects 30 years of research and development, certification, and manufacturing experience.

We will continue to establish ourselves as an industry-leading provider by pushing the boundaries of technology in order to enhance our customer's efficiency and safety in every industry and region of the world.



Qlight Global Networks

Country	Company name	Address	Phone
Korea	Qlight Co., Ltd.	HQ 1510, 15F, 128, Gasan digital 1-Ro, Geumcheon-Gu, Seoul, Korea	+82-80-328-2222
		Factory 185-25, Mukbang-Ro, Sangdong-Myeon, Gimhae-si, Gyeongsangnamdo, Korea	+82-80-328-1111
USA	Qlight USA, Inc.	#341, 3003 North First St., San Jose, CA 95134 USA	+1-408-519-5740
China	SHANGHAI Qlight Electronics Co.,Ltd	#19, Nanda Road, Baoshan Area, Shanghai, China	+86-21-6651-7100
Japan	Qlight Japan	1-9, Maesato-cho, Minami-ku, Yokohama, 232-0004, Japan	+81-45-271-8090
Vietnam	Qlight Vietnam	S202-15A15 Vinhome Smart City Taymo- Hanoi, Vietnam	+84-24-6666-5593

Qlight Clients Heavy industry / Ship building / Automotive / Steel / Machinery / Petrochemical / Power plants / Electronics / Semiconductor / Emergency Vehicles



Company History

Qlight has been striving to accomplish our mission to provide visual and audible status indicating systems and solutions to enhance our customer's work safety and efficiency for the last three decades.

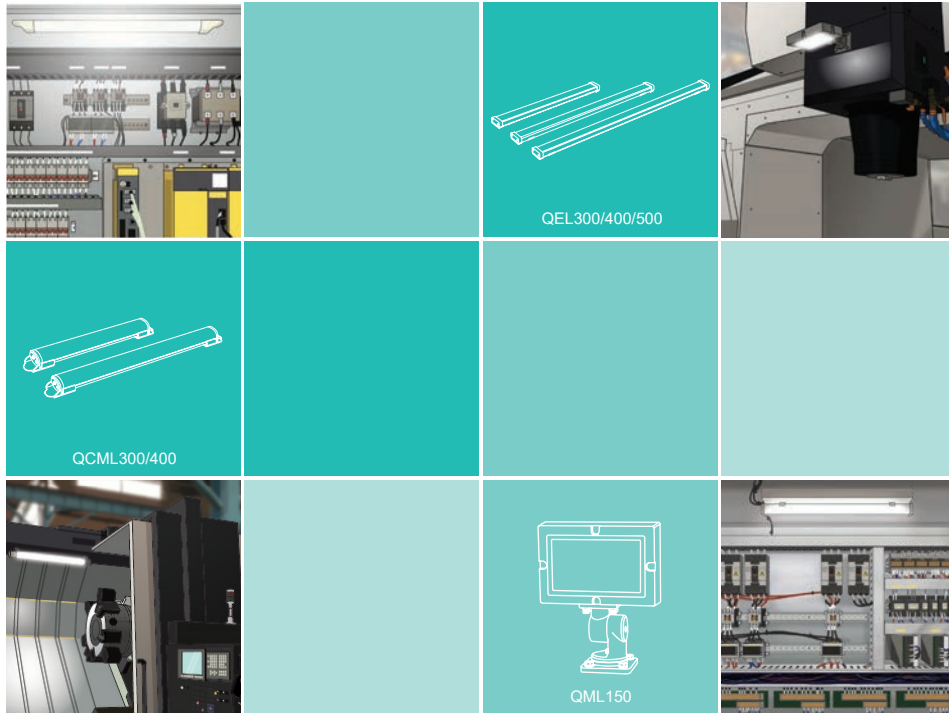


- 2020** 09 Selected as a global small giant company by Ministry of SMEs and Startups
- 2019** 09 Completed Qidong factory
- 08 Explosion proof LED tower light (QTEXB) acquired TIIS mark
- 08 Explosion proof LED work lights (SESA/ SESAL/ SESALR/ SESAS) obtained KCs certificate
- 04 Launched new brand 'Qlightec' providing smart factory solutions
- 01 Explosion proof LED work lights (QLEX-SLM-250(PL) obtained KCs certificate
- 2018** 10 Began construction of Qidong Factory, China
- 08 Explosion proof LED warning light(SNE, SNES) acquired NEPSI certificate
- 07 Explosion proof LED warning light (SNEL/ SNESLR) acquired TIIS certificate
- 03 Non-Sparking ex-proof LED work light (QMFL300-Ex-24) acquired NEPSI certificate
- 02 Explosion proof warning lights (SNEL/ SNESL/ SESAL) acquired CCC(F) certificate
- 02 Explosion proof LED tower light (QTEX/ QTEXB) acquired ATEX, IECEx certificate
- 2017** 02 ISO 14001 : 2015 certificate aquired
- 02 Obtained ICAO certificate for SAOL1
- 2016** 11 Obtained the patent for "multi-functional modular signal tower light" (Patent # : 10-1676863)
- 09 Obtained the patent for "Emergency Vehicle Lightbar" (Patent # : 10-1662283)
- 07 Obtained UL certificate for LED signal lights Q series
- 07 Obtained the patent for "Bar style LED work lights" (Patent # : 10-1598123)
- 2015** 06 Limit switch models (3 items including SW2TS) acquired certificates from RMRS
- 03 LED work lights (QML150/250, QMFL 500/600) UL listed
- 2014** 10 Established the Qlight USA, Inc. in San Jose, CA.
- 09 Horn which that emits light patented (Patent # : 10-1452447)
- 08 Fan/ tilt type bracket patented (Patent # : 10-1452445)
- 09 LED strobe light with multi-lens patented (Patent # : 10-1444391)
- 08 Explosion proof product family including SNE, SNES, SESA, SEA, SPNA acquired IECEx certificates
- 01 Non-sparking explosion proof tower lights including ST45ML and STB45ML acquired KGS and NEPSI certificates
- 2013** 01 Portable warning lights for agricultural machine applications patented (Patent # : 10-1226959)
- 2012** 12 Explosion proof warning lights (SNE, SNES) acquired CCS certificates
- 12 LED work light with cylindrical lens attached patented (Patent # : 10-1219020)
- 09 Explosion proof warning lights (SESA, SEA, SPNA) and heavy-duty warning lights (SH1, SED, SEWN30) certified by CCS
- 01 LED warning light with LED reflector patented (Patent # : 10-1108102)
- 2011** 11 Explosion proof warning light (SNE, SNES) acquired NEPSI certificate
- 08 KCC (Korea Communications Commission) certificate acquired
- 07 Light equipment applying prism system patented (Patent # : 10-1051056)
- 07 ATEX certificate acquired for PC controlled tower light (ST56EL-ETN)
- 2010** 05 QEB certified by KIMM
- 05 LED warning light, bulb revolving warning light patented (Patent # : 10-0961472)
- 2008** 04 Motor drive system patented (Patent # : 20-0439536)
- 03 LED revolving type lens patent acquired (patent # :10-0808669)
- 2007** 11 Explosion proof electric horn (SPNA) acquired NEPSI certificates
- 05 Tower light models including ST45, ST56,ST80) UL listed
- 2005** 07 Heavy-duty products for vessel applications acquired Lloyd's (UK's Maritime Classification Society) certificates
- 04 ABS certificates acquired for 18 products including SH1
- 2004** 06 ISO 9001:2000 certificates acquired
- 2001** 02 Established Shanghai Qlight Electronic Co.,Ltd. in China
- 2000** 07 Established Qlight Limited
- 1993** 11 Nominated for developing domestic explosion proof warning lights by Korean Ministry of Science & Technology
- 1986** 07 Established Qlight

CATALOGUE

LED Work Lights for Industrial Purpose

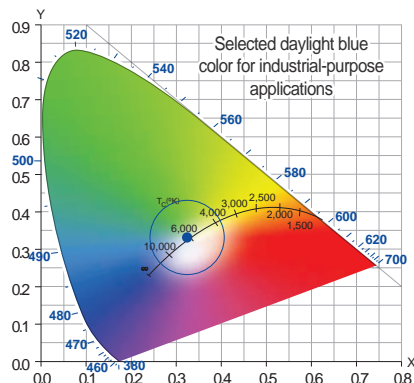
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Technical Information on LED Work Lights

CIE 1931 Color Space Chart



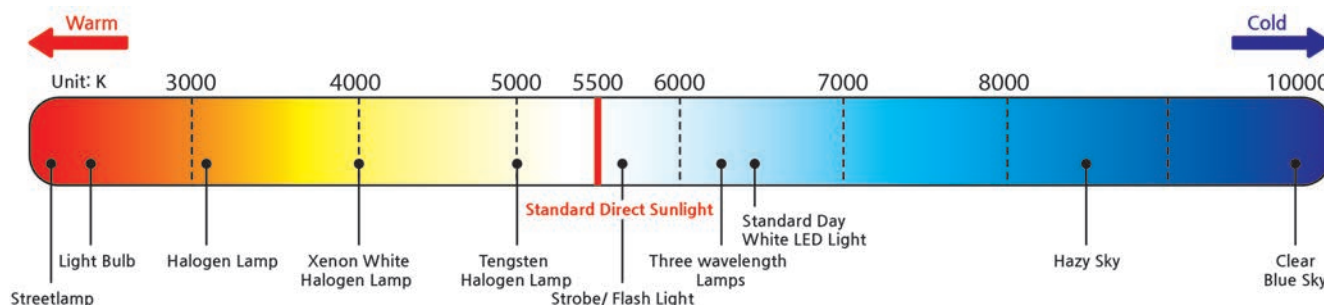
LED Colors are represented by the CIE 1931 RGB color space and CIE 1931 XYZ color space created by the International Commission on Illumination (CIE in 1931).

Color Space Chart is based on the brightness of the color. Green occupies the largest space since it has the largest effect on determining the brightness of colors, while blue color that shows the least effect occupies the smallest area. The mixing ratio of the brightness of the color is 3: 6: 1 (R: G: B), where the green portion occupies the largest space.

White color that is commonly used for work lights is composed of the color green, red, and blue. White color also varies due to the ratio of these three colors. The variation color ratios is referred as the color temperature.

Color Temperature

Unit : K (Kelvin)



The color temperature of a light source is the temperature of an ideal black-housing radiator that radiates light of comparable hue to that light source. The Temperature is conventionally stated in units of absolute temperature, known as Kelvin (K).

The black housing radiates red spectrum when it starts to heat up, and will radiate blue light when the temperature gets even higher.

- Before Sunset : 2,200K (Candlelight, incandescent lamp)
- 40minutes after sunset : 3,000K(Warm white fluorescent lamp, high pressure natrium lamp)
- 2 hours after sunset : 4,000K (White halogen fluorescent lamp)
- Sunlight at noon : 5,800K (Daylight fluorescent lamp)
- Cloudy day : 7,000K (Daylight blue, fluorescent mercury lamp)

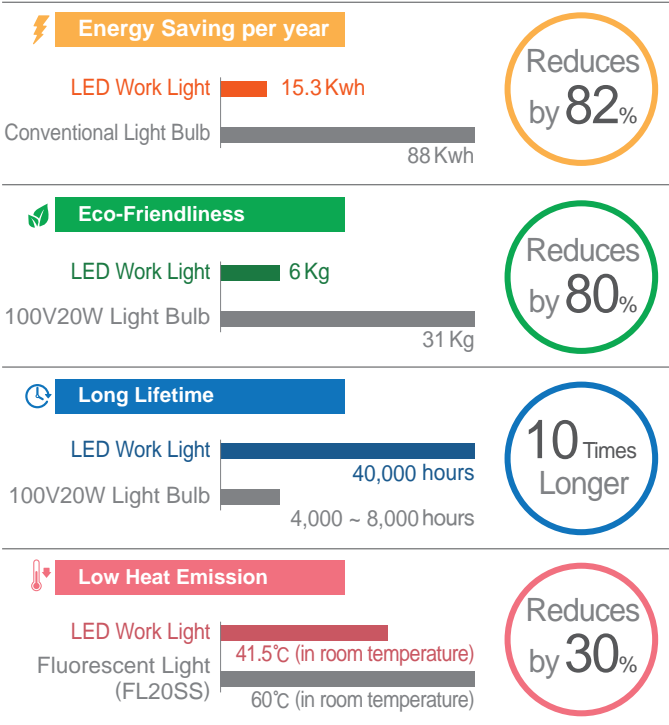
LED Color Wavelength

No.	Color	Wavelength(mm)
1	Red	618-632
2	Amber	585-595
3	Green	518-530
4	Blue	453-465

LED Color Temperature

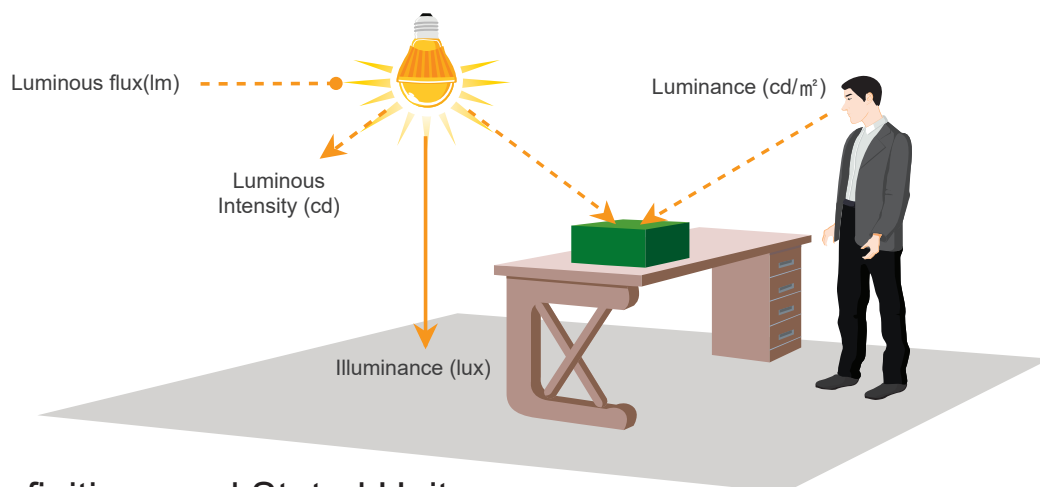
No.	Color	Color Temperature(K)
1	incandescent	2,500-3,500
2	warmwhite	3,500-4,500
3	daylight	4,500-5,500
4	cooldaylight	5,500-7,000

LED Light Energy Saving Chart



Technical Information on LED Work Lights

Understanding of Light Terms



Term Definitions and Stated Unit

Illuminance

Unit : lux

Illuminance is the total Luminous flux incident on a surface per unit area which is conventionally stated as a unit of lux. Specifically, 1 lux equals the amount of light that falls on a one-square-meter surface that is one meter away from a single candle with light speed of 1lm.

Luminous Intensity

Unit : cd

Luminous intensity is a measure of the wavelength-weighted power emitted by a light source in a particular direction per unit solid angle based on the luminosity function(a standardized model of the sensitivity of the human eye). The standard unit of luminous intensity is the candela.

Luminance

Unit : cd/m²

Luminance is a measure of the luminous intensity per unit area of light travelling in a given direction. It describes the amount of light that passes through, emitted or reflected from a particular area, and falls within a given solid angle. The standard unit for luminance is cd(luminance intensity per square meter (cd/m²)).

Luminous flux

Unit : lm

Luminous flux is the measure of the perceived power of light. Standard unit of Luminous flux is the lumen (lm). Usually Luminous flux may be understood as the power of light.

Color Rendering

Unit : Ra

A color rendering index (CRI) is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source. Numerically, the highest possible CIE Ra value is 100, which would only be given to a source identical to standardized daylight or a body of black color, and its value drops to negative values for some light sources. The higher the CRI value is, the better the color rendering ability is. Light sources with a CRI of 85 to 90 are considered good at color rendering.



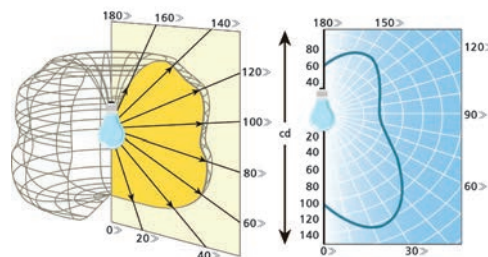
High Color Rendering(Ra80)



Low Color Rendering(Ra70)

Light Distribution Curve

Light distribution curve, provides information on how light is emitted from a lamp or light fixture. The diagram represents a section cut through the fixture and shows the intensity of light emitted in each direction. The portion of the graph above the horizontal 90°-270° line indicates light that shines above the fixture (indirect), while the portion of the graph below represents light shining down (direct). The straight lines radiating from the center point identify the angle of the light emitted while the circles represent the intensity.



Product Specification for LED Work Lights for Industrial Purpose



Model number(series)	QML-150	QML-250	QMHL-150	QMHL-250
Voltage	DC24V	DC24V	DC24V	DC24V
Power consumption	14W	30W	12W	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
Light color	Cooldaylight	Cooldaylight	Cooldaylight	Cooldaylight
Efficacy (lm/W)	620lux	890lux	1,000lux	1,900lux
Mounting structure	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
Certificates	CE, UL	CE, UL	CE	CE
Customization	M12 connector equipped	M12 connector equipped	M12 connector equipped	M12 connector equipped
Page	P10-13	P10-13	P10-13	P10-13



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
Power consumption	4.5-53W	4.5-53W	5.6-25W
Dimension (mm)	Length	240-1190	190-600
	Width	60	38
	Height	63	67.4
Materials	Lens : PC, Side cover : Al	Lens : PC, Side cover : Al	Housing: Al, Lens : Tempered glass
Lens color	Translucent	Transparent	Transparent
Light color	Cooldaylight	Cooldaylight	Cooldaylight
Efficacy (lm/W)	120-1,200lux	150-1,560lux	160-1,300lux
Mounting structure	Mount bracket	Mount bracket	Mount bracket
Protection rating	IP67	IP67	IP67/ IP69K
Certificates	CE	CE	CE, UL
Customization	M12 connector equipped	M12 connector equipped	M12 connector equipped
Page	P14-15	P14-15	P16-17



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
Power consumption	3.5-11W	3.5-11W	4.8-12W	4.8-12W
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
Light color	Cooldaylight	Cooldaylight	Cooldaylight	Cooldaylight
Efficacy (lm/W)	50-215lux	65-265lux	80-290lux	100-375lux
Mounting structure	Direct mount	Direct mount	Direct mount	Direct mount
Protection rating	IP65	IP65	IP65	IP65
Certificates	CE, UL	CE, UL	CE, UL	CE, UL
Customization	Cable end M12 connector	Cable end M12 connector	Cable end M12 connector	Cable end M12 connector
Page	P18-20	P18-20	P18-20	P18-20

Product Specification for LED Work Lights for Industrial Purpose



Model number(series)	QCML-200/ 300/ 400/ 500/ 600/ 900/ 1200/ 1500	QCMLC-200/ 300/ 400/ 500/ 600/ 900/ 1200/ 1500	QCML-7C-200/ 300/ 400/ 500/ 600/ 900/ 1200/ 1500
Voltage	DC24V	DC24V	DC24V
Power consumption	5.5-30W	5.5-30W	4.7-28W
Dimension (mm)	Length	257-1,557	257-1,557
	Width	33	33
	Height	26	26
Materials	Lens : PC, Side cover : PC	Lens : PC, Side cover : PC	Lens : PC, Side cover : PC, Heat sink : Al, Bracket : PC
Lens color	Translucent	Transparent	Transparent
Light color	Cooldaylight, Warm white, Red, Amber	Cooldaylight, Warm white, Red, Amber	Red, Green, Blue, Amber, Violet, Cian, White
Efficacy (lm/W)	85-550lux	100-600lux	85-550lux
Mounting structure	Mount bracket	Mount bracket	Mount bracket
Protection rating	IP67/ IP69K	IP67/ IP69K	IP67/ IP69K
Certificates	CE, UL	CE, UL	CE, UL
Customization	Cable end M12 connector	Cable end M12 connector	Cable end M12 connector
Page	P21-23	P21-23	P24-25



Model number(series)	QGL-200/ 300/ 400/ 500	QGLC-200/ 300/ 400/ 500
Voltage	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V
Power consumption	3-12W	3-12W
Dimension (mm)	Length	200-500
	Width	38.4
	Height	33.6
Materials	Lens : PC, Side cover : ABS	Lens : PC, Side cover : ABS
Lens color	Translucent	Transparent
Light color	Cooldaylight	Cooldaylight
Efficacy (lm/W)	70-300Lux	85-370Lux
Mounting structure	Mount bracket	Mount bracket
Protection rating	Non Water-proof	Non Water-proof
Certificates	CE	CE
Customization	Cable end M12 connector	Cable end M12 connector
Page	P26-27	P26-27



Model number(series)	QEL-200/ 300/ 400/ 500	QELT-200/ 300/ 400/ 500	QELS-200/ 300/ 400/ 500	QELTS-200/ 300/ 400/ 500
Voltage	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V	DC24V, AC110V, AC220V
Power consumption	3.5-10W	3.5-10W	3.5-10W	3.5-10W
Dimension (mm)	Length	220-520	249-549	278-578
	Width	34.6	34.6	34.6
	Height	30.7	30.7	33.1
Materials	Lens : PC, Side cover : ABS	Lens : PC, Side cover : ABS	Lens : PC, Side cover : ABS	Lens : PC, Side cover : ABS
Lens color	Translucent	Translucent	Translucent	Translucent
Light color	Cooldaylight	Cooldaylight	Cooldaylight	Cooldaylight
Efficacy (lm/W)	80-200Lux	80-200Lux	80-200Lux	80-200Lux
Mounting structure	Mount bracket	Mount bracket	Mount bracket	Mount bracket
Protection rating	Non Water-proof	Non Water-proof	Non Water-proof	Non Water-proof
Certificates	CE, KC	CE	CE, KC	CE
Customization	Cable end M12 connector		Cable end M12 connector	
Page	P28-30	P28-30	P28-30	P28-30

Product Specification for LED Work Lights for Industrial Purpose

Non Sparking LED work light



Model number(series)	QMFL-300-Ex-24	QLEX-350	QLEX-SLM series	QLEX-SLM-250(PL)
Voltage	DC24V	DC24V	DC24V, AC220V	DC24V
Power consumption	10W	8.6W	8.6-23W	8.6W
Dimension (mm)	Length	290	250/ 650	250
	Width	38	90	90
	Height	64	88.4	70
Materials	Lens-Tempered glass Housing-Al	Side cover : Al, Lens : PC, Side cover out : NBR, Bracket : Al	Side cover : Al, Lens : PC, Bracket : Al	Side cover : Al, Lens : PC, Bracket : Al
Lens color	Translucent	Transparent/ Translucent	Translucent	Translucent
Light color	Cool daylight	Cool daylight	Cool daylight	Cool daylight
Efficacy (lm/W)	260Lux	250Lux	240-530lux	260Lux
Mounting structure	Mount bracket	Mount bracket	Mount bracket	Mount bracket
Protection rating	IP67/ IP69K	IP66/ IP67	IP66/ IP67	IP66/ IP67
Certificate	KCs, NEPSI	KCs, NEPSI, CE	CE, KCs, NEPSI, S-Mark	CE, KCs, NEPSI, S-Mark
Explosion proof rating	Ex nR II T6, Ex nR IIC T6 Gc	Ex d IIC T6	Ex d IIC T6, Ex d IIC T6 Gb	Ex d IIC T6, Ex d IIC T6 Gb
Page	P31	P32	P33	P34



Model number	QWL20	QL9890T-40
Voltage	DC10V-30V	DC12V-24V
Power consumption	12W	28W
Dimension (mm)	Length	85
	Width	85
	Height	30
Material	Housing: Al, Lens : PC	Housing: Al, Lens : PC
Lens color	Translucent	Translucent
Light color	Cooldaylight	Cooldaylight
Efficacy (lm/W)		
Mounting structure		
Protection rating	IP67	IP68
Certificates	CE, UL	CE, UL
Page		
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Product Specification for LED Work Lights for Industrial Purpose

Explosion Proof High Bay LED Lights



Model number	EXD29	EXD43	EXD57	EXD80
Voltage	AC110V, AC220V	AC110V, AC220V	AC110V, AC220V	AC110V, AC220V
Power consumption	29W	43W	57W	80W
Dimension (mm)	Length	Φ240	Φ285	Φ285
	Width	261 - 473	269 - 481	269 - 481
	Height	-	-	-
Material	Housing: Al, Lens : Tempered glass	Housing: Al, Lens : Tempered glass	Housing: Al, Lens : Tempered glass	Housing: Al, Lens : Tempered glass
Lens color	Transparent	Transparent	Transparent	Transparent
Light color	Cooldaylight	Cooldaylight	Cooldaylight	Cooldaylight
Efficacy (lm/W)	1,450lux	2,150lux	2,850lux	4,000lux
Mounting structure	Ceiling/ Stanchion / Junction box	Ceiling/ Stanchion / Junction box	Ceiling/ Stanchion / Junction box	Ceiling/ Stanchion / Junction box
Protection rating	IP66	IP66	IP66	IP66
Certificates	KCs, IECEX, ATEX	KCs, IECEX, ATEX	KCs, IECEX, ATEX	KCs, IECEX, ATEX
Explosion proof rating	Ex d IIC T6 Gb, Ex d IIIC T100 °C Db(IECEX) Ex II2G Ex d IIC T6 Gb, Ex II2D Ex tb IIIC T100°C Db(ATEX)	Ex d IIC T6 Gb, Ex d IIIC T100 °C Db(IECEX) Ex II2G Ex d IIC T6 Gb, Ex II2D Ex tb IIIC T100°C Db(ATEX)	Ex d IIC T6 Gb, Ex d IIIC T100 °C Db(IECEX) Ex II2G Ex d IIC T6 Gb, Ex II2D Ex tb IIIC T100°C Db(ATEX)	Ex d IIC T6 Gb, Ex d IIIC T100 °C Db(IECEX) Ex II2G Ex d IIC T6 Gb, Ex II2D Ex tb IIIC T100°C Db(ATEX)
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Model number	EXD29-JE-CN-EXTB-130	EXD43-JE-CN-EXTB-130	EXD57-JE-CN-EXTB-130	EXD80-JE-CN-EXTB-130
Voltage	AC110V, AC220V	AC110V, AC220V	AC110V, AC220V	AC110V, AC220V
Power consumption	29W	43W	57W	80W
Dimension (mm)	Length	Φ240	Φ285	Φ285
	Width	261 - 473	269 - 481	269 - 481
	Height			
Material	Housing: Al, Lens : Tempered glass	Housing: Al, Lens : Tempered glass	Housing: Al, Lens : Tempered glass	Housing: Al, Lens : Tempered glass
Lens color	Transparent	Transparent	Transparent	Transparent
Light color	Cooldaylight	Cooldaylight	Cooldaylight	Cooldaylight
Efficacy (lm/W)	1,450Lux	2,150Lux	2,150Lux	2,150Lux
Mounting structure	Ceiling/ Stanchion / Junction box	Ceiling/ Stanchion / Junction box	Ceiling/ Stanchion / Junction box	Ceiling/ Stanchion / Junction box
Protection rating	IP66	IP66	IP66	IP66
Certificates	KCs	KCs	KCs	KCs
Explosion proof rating	Ex nR II T6	Ex nR II T6	Ex nR II T6	Ex nR II T6
Page	P44-45	P46-47	P46-47	P46-47

QML/QMHL

Water, Vibration and Oil Resistant LED Work Lights with IP67/ IP69K Protection



Water, vibration and oil resistant LED work light, suitable for machine tools applications and high temperature water cleaning environments



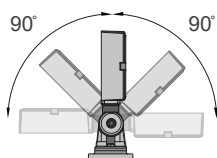
Common Specifications(QML/ QMHL)

- Excellent oil resistance with a special sealing structure with IP67 protection rating, suitable for machine tool applications with cutting fluids
- Suitable for high pressure and high temperature water cleaning environments(IP69K)
- Tempered glass prevents damage from machine tool chips
- Foreign substances do not accumulate on the shielding glass surface of the working light due to its flush structure to the housing structure of the product
- Can select between QML model (Anti-glare type) and QMHL model (High luminance type) depending on your work conditions
- An external power supply is not needed for the AC type product; AC voltage can be applied directly to the product
- Can select from a variety of bracket options from direct mount, tilt mount, and pan/ tilt mount type to fit your work environment or lighting condition needs
- Can customize the product with the M12 connector if requested
- Customized oil resistant cable attached type available
- Certificates : CE Compliant, UL Listed

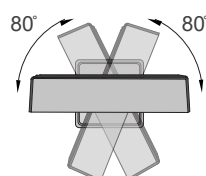


Tilt/ Pan Type MF Bracket, Water and Oil Resistant

SIDE VIEW



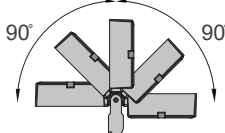
TOP VIEW



- Water and oil resistant MF type brackets protect output cable from cutting fluid and chips
- Has a tilt adjustment angle of 180° and a pan angle of 160°

Tilt Type K Bracket

SIDE VIEW



Has tilt adjustment with wide angle of 180°

Cable entry M12 connector attached type



Customized cable entry M12 connector attached type available

Test Conditions/ Regulations

Vibration Resistance Test	<ul style="list-style-type: none"> • Acceleration : 20m/s² • Duration : 1 octave/min • Range of frequency : 10-150Hz • Amplitude : 10 times maximum 7.5mm, direction : test 10times in 3 directions(X, Y, Z)
Shock Resistance Test	<ul style="list-style-type: none"> • Acceleration : 20g • Directions : ±X, ±Y, ±Z • Numbers : 3 times each directions • Time period : 11ms for each direction • Waveform : Half sine
Oil Resistance Test	<ul style="list-style-type: none"> • General test : Tested in water soluble and non-water soluble flooded environments for 500 hours. • High temperature oil resistance test : Place the object in a constant temperature water bath at 80°C for two hours and then submerge the object in the room temperature oil diluent for 24hours.
Solid Particle Protection Test(IP6X)	<ul style="list-style-type: none"> • After reducing the pressure inside the test object, spray talcum powder with a nominal diameter of 50um for 2 hours at 40-60meters/hour inside the dust chamber. • IEC60529
Liquid Ingress Protection Test(IPX7)	<ul style="list-style-type: none"> • Test ingress by putting the object under 1000mm water with 2bar of pressure for 30 mins
High-pressure, High-temperature Wash-down Test (IP69K)	<ul style="list-style-type: none"> • Spray nozzle provides 80°C water with pressure of 80–100 bar and a flow rate of 14–16 L/min to the object • Distance between spray nozzle and the test object : 10-15cm • Water spray angle : 0°, 30°, 60°, 90° • The nozzle is held at 4 of each angle for 30 seconds • DIN 40050 PART9

QML/QMHL

Water, Vibration and Oil Resistant
LED Work Lights with IP67/ IP69K Protection



QML-150/QML-250

- Equipped anti-glare filter
- Suitable for environments that require stable intensity illumination for improved visibility



QML-150-D



QML-250-D



QML-150-K



QML-250-K



QML-150-MF



QML-250-MF

QMHL-150/QMHL-250

- High intensity illumination and condenser lens combination
- High intensity illumination allows for the environment both long distance and straightness are required



QMHL-150-D



QMHL-250-D



QMHL-150-K



QMHL-250-K



QMHL-150-MF



QMHL-250-MF

Optics Specifications

Model	QML-150-D QML-150-K QML-150-MF	QML-250-D QML-250-K QML-250-MF	QMHL-150-D QMHL-150-K QMHL-150-MF	QMHL-250-D QMHL-250-K QMHL-250-MF
Lens color	Translucent		Transparent	
Light color	Cooldaylight			
Color temperature	6,000-7,000K			
Luminous flux	875lm	2,014lm	884lm	1,892lm
Efficacy (lm/W)	620lux	890lux	1,000lux	1,900lux

Specifications

Model	QML-150-D QML-150-K QML-150-MF	QML-250-D QML-250-K QML-250-MF	QMHL-150-D QMHL-150-K QMHL-150-MF	QMHL-250-D QMHL-250-K QMHL-250-MF
Voltage	DC24V	DC24V	DC24V	DC24V
Range for operation voltage	DC21.5V-26.5V			
Power consumption	14W	30W	12W	25W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)			
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute			
Operating temperature	-30°C to +60°C			
Protection rating	IP67/ IP69K			
Materials	Housing : AI, Lens : Tempered glass, Bracket : K type-STS430/MF type-AI			
Certification	CE DC24V only DC24V only (QML series only)			
Weight(Approx.)	QML-150-D : 0.75kg QML-150-K : 0.93kg QML-150-MF : 0.98kg	QML-250-D : 1.30kg QML-250-K : 1.46kg QML-250-MF : 1.52kg	QMHL-150-D : 0.95kg QMHL-150-K : 1.05kg QMHL-150-MF : 1.45kg	QMHL-250-D : 1.20kg QMHL-250-K : 1.30kg QMHL-250-MF : 1.70kg

QML/QMHL

Water, Vibration and Oil Resistant LED Work Lights with IP67/ IP69K Protection

Light Distribution and Illuminance

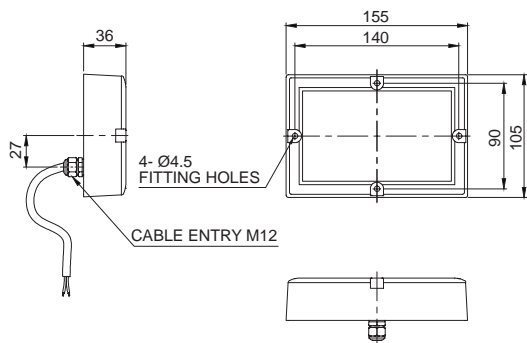
Model	QML-150-D QML-150-K QML-150-MF	QML-250-D QML-250-K QML-250-MF	QMHL-150-D QMHL-150-K QMHL-150-MF	QMHL-250-D QMHL-250-K QMHL-250-MF
Light Distribution Curve				
Illumination Feature				



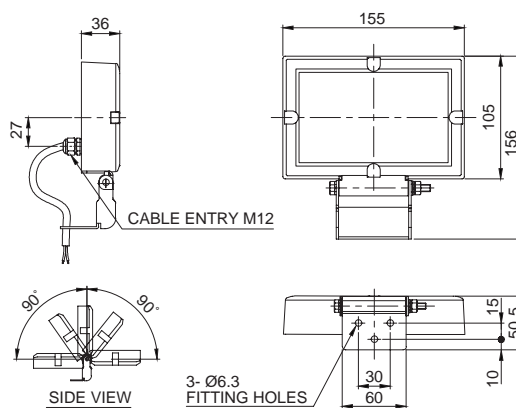
Technical Diagram

(Units : mm)

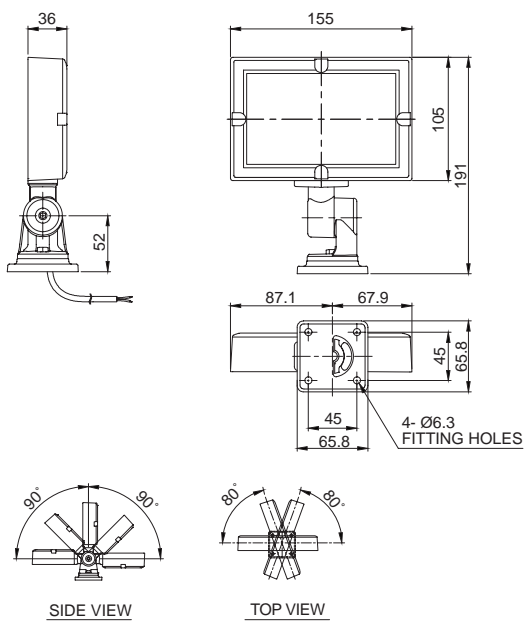
QML/ QMHL-150-D



QML/ QMHL-150-K



QML/ QMHL-150-MF



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

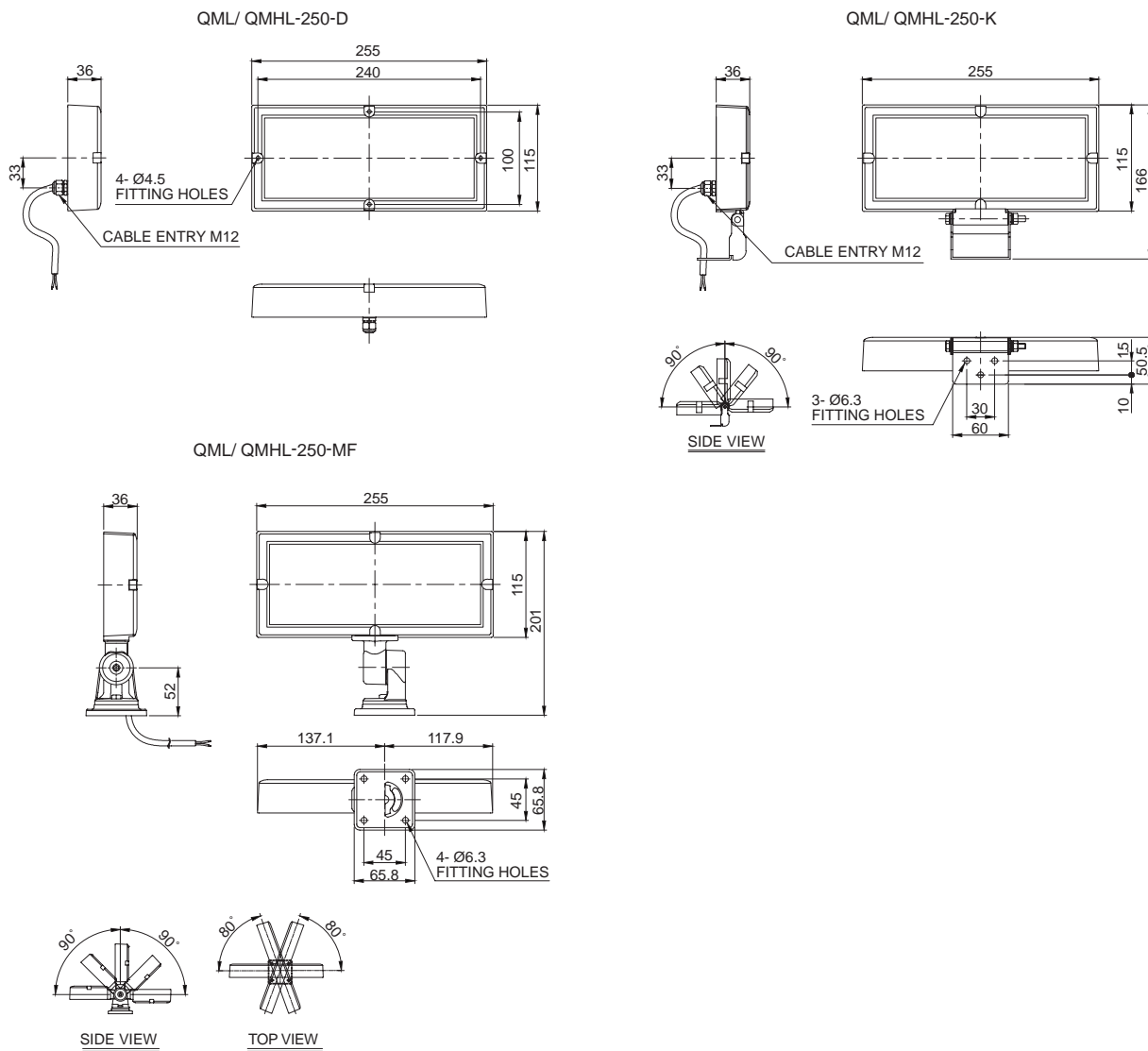
QML/QMHL

Water, Vibration and Oil Resistant LED Work Lights with IP67/ IP69K Protection



Technical Diagram

(Units : mm)



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



Ordering Specification

QML	-	150	-	D	-	24
[Model number]		[Product length]		[Mount bracket]		[Voltage]
<ul style="list-style-type: none"> • QML : Anti-Glare • QMHL : High illumination 		<ul style="list-style-type: none"> • 150 : 155mm • 250 : 255mm 		<ul style="list-style-type: none"> • D : Self stand • K : Vertical angle adjustment • MF : Vertical, horizontality angle adjustment 		<ul style="list-style-type: none"> • 24-DC24V

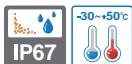


Please check the safety manual before use, accidents such as fire or electric shock can occur if the safety manual is not followed.

This product can be changed without any notification. Latest information is on the website.

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
- Can customize the product with the M12 connector if requested
- Certificates: CE Compliant

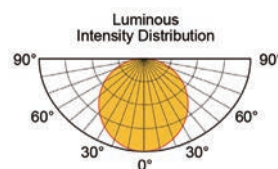


QFL Translucent Lens Type

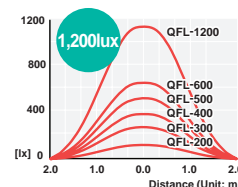


Light Distribution and Illuminance

Light Distribution Curve



Luminance Feature



Cable entry M12 connector attached type



Customized Cable entry M12 connector attached type available.

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					
	AC220V(Except QFL-200/300)					
Range for operation voltage	DC21.5V-26.5V/ AC198V-245V					
Power consumption	4.5W	9W	13W	17W	20W	44W
	-	-	19W	24W	26W	53W
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 : AI, Heat sink : AI					
Certifications	CE DC24, CE AC220V(SMPS) (Except QFL(C)-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

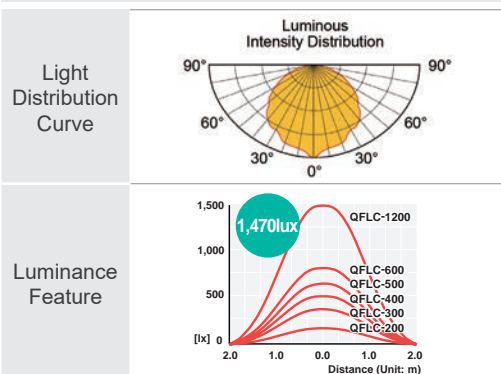
Water and Vibration Resistant LED Light Bars with IP67 Protection



QFLC Transparent Lens



Light Distribution and Illuminance



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

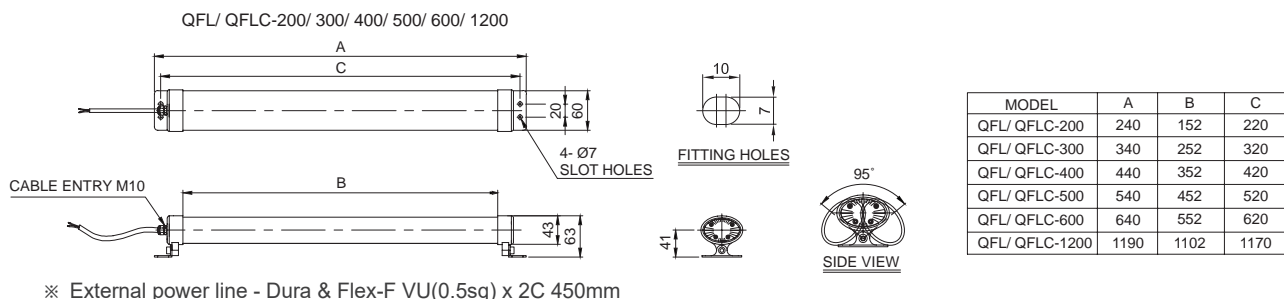
General Specifications

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					
Power consumption	4.5W	9.0W	13.0W	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 DC24, CE AC220V(SMPS) (Except QFL(C)-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)



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)



Suitable for machine tool equipment that needs excellent water and oil proof features

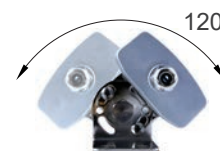


Common Specifications

- Special sealing structure provides excellent oil resistance, suitable for environments with high temperature cutting oil
- Suitable for high pressure and high temperature water cleaning environments(IP69K)
- Tempered glass prevents damage from machine tool chips
- Bracket included has tilt adjustment with angle of 120°
- Can select from variety of body length of 200/ 300/ 400/ 500/ 600mm to fit your application needs
- Can choose anti-glare lens type depending on work environment needs
- Can customize the product with the M12 connector if requested
- High-intensity type available upon request (Model number : QMFHLN)
- Certificates : CE Compliant, UL Listed



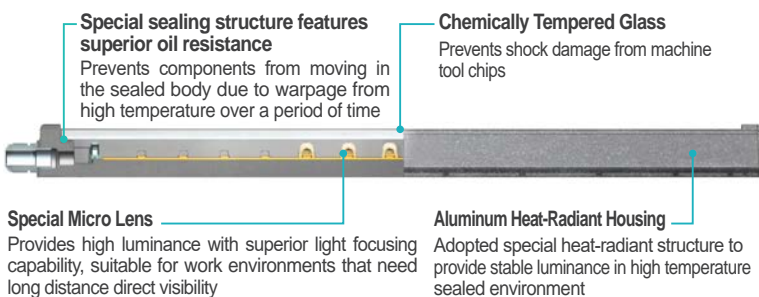
Tilt Type K Bracket



The standard bracket included enables tilt adjustment with angle of 120°



Structural Features



Cable entry M12 connector attached type



Customized Cable entry M12 connector attached type available.

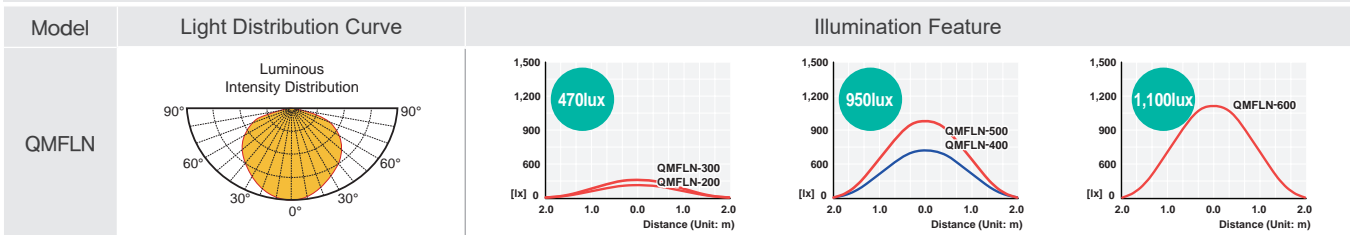
Test Conditions/ Regulations

Vibration Resistance Test	<ul style="list-style-type: none"> • Acceleration : 20m/s² • Duration : 1 octave/min • Range of frequency : 10-150Hz • Amplitude : Maximum 7.5mm, Direction : tested 10times each 3 directions(X, Y, Z)
Shock Resistance Test	<ul style="list-style-type: none"> • Acceleration : 20g • Directions : ±X, ±Y, ±Z • Numbers : 3 times each directions • Time period : 11ms for each direction • Waveform : Half sine
Oil Resistance Test	<ul style="list-style-type: none"> • General test : Tested in water soluble and non-water soluble flooded environments for 500 hours. • High temperature oil resistance test : Place the object in a constant temperature water bath at 80°C for two hours and then submerge the object in the room temperature oil diluent for 24hours.
Solid Particle Protection Test(IP6X)	<ul style="list-style-type: none"> • After reducing the pressure inside the test object, spray talcum powder with a nominal diameter of 50um for 2 hours at 40-60meters/hour inside the dust chamber. • IEC60529
Liquid Ingress Protection Test(IPX7)	<ul style="list-style-type: none"> • Test ingress by putting the object under 1000mm water with 2bar of pressure for 30 mins
High-pressure, High-temperature Wash-down Test (IP69K)	<ul style="list-style-type: none"> • Spray nozzle provides 80°C water with pressure of 80–100 bar and a flow rate of 14–16 L/min to the object • Distance between spray nozzle and the test object : 10-15cm • Water spray angle : 0°, 30°, 60°, 90° • The nozzle is held at 4 of each angle for 30 seconds • DIN 40050 PART9

QMFLN

Water, Vibration and Oil Resistant LED Work Lights with IP67/ IP69K Protection

Light Distribution and Illuminance



Optics Specifications

Model			QMFLN-200	QMFLN-300	QMFLN-400	QMFLN-500	QMFLN-600
Lens color	(Blank)		Transparent	Transparent	Transparent	Transparent	Transparent
	TLC		Translucent	Translucent	Translucent	Translucent	Translucent
Light color			Cooldaylight				
Color temperature			6,000-7,000K				
Luminous flux	DC	(Blank)	359lm	851lm	1,284lm	1,553lm	1,719lm
		TLC	306lm	730lm	1,109lm	1,394lm	1,532lm
	AC	(Blank)	508lm	1,125lm	1,844lm	2,180lm	2,226lm
		TLC	342lm	710lm	1,170lm	1,750lm	2,012lm
Efficacy (lm/W)	DC	(Blank)	240Lux	560Lux	850Lux	1,000Lux	1,300Lux
		TLC	160Lux	370Lux	580Lux	750Lux	1,050Lux
	AC	(Blank)	210Lux	470Lux	740Lux	950Lux	1,100Lux
		TLC	150Lux	310Lux	510Lux	730Lux	910Lux

Specifications

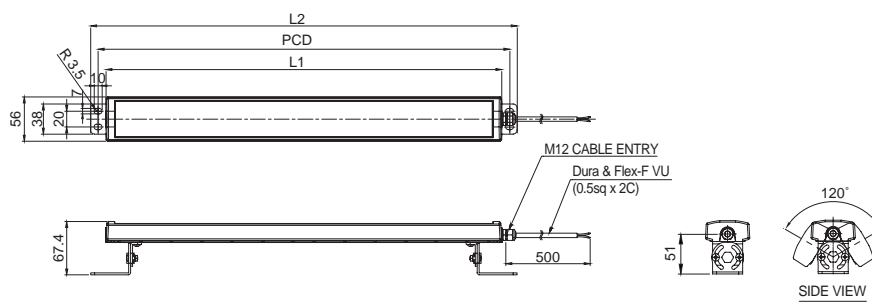
Model			QMFLN-200	QMFLN-300	QMFLN-400	QMFLN-500	QMFLN-600
Voltage			DC24V	DC24V	DC24V	DC24V	DC24V
			AC110V/220V	AC110V/220V	AC110V/220V	AC110V/220V	AC110V/220V
Range for operation voltage	DC24V		DC22V-30V				
	AC110V		AC98-121V				
	AC220V		AC198-245V				
Power consumption	DC		5.6W	12.5W	20W	20W	25W
	AC		6.6W	14.5W	23.5W	23.5W	27W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)						
Withstanding voltage	500V AC, 60Hz, 1 minute						
Operation temperature	-30°C to +60°C						
Protection rating	IP67/ IP69K						
Materials	Housing: Al, Lens : Tempered glass, Bracket : Spc-1						
Certificates	CE UL DC24V Only						
Weight (Approx.)			0.57kg	0.80kg	1.03kg	1.26kg	1.49kg



Technical Diagram

(Units : mm)

QMFLN-200/ 300/ 400/ 500/ 600



MODEL	L1	PCD	L2
QMFLN - 200	190	210	230
QMFLN - 300	290	310	330
QMFLN - 400	400	420	440
QMFLN - 500	500	520	540
QMFLN - 600	600	620	640

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



Ordering Specification

QMFLN	-	200	-	24	-	TLC
[Model number]		[Product length]		[Voltage]		[Lens type]
• QMFLN		• 200 : 190mm • 300 : 290mm • 400 : 400mm • 500 : 500mm • 600 : 600mm		• 24-DC24V • 110-AC110V • 220-AC220V		• (Blank) - Transparent lens • TLC - Translucent lens

QPL/QPLC/QPHL/QPHLC

Basic Waterproof LED Light Bars



Waterproof LED light bars, suitable for dusty and moisture environments



Common Specifications(QPL/QPLC/QPHL/QPHLC)

- Fully enclosed structure with protection rating of IP65, suitable for environments which have lingering dust or moisture
- Maintains bright intensity illumination from dust resistant lens
- Beautiful appearance with dome type lens
- Slim thickness 24mm adopted AC direct LED control system
- 4 kinds of products length 200/300/400/500mm
- Selectable lens between translucent and transparent based on condition
- Can customize the product with the M12 connector if requested
- Certificates : CE Compliant, UL Listed

QPL Translucent Lens



QPLC Transparent Lens



Cable end M12 connector attached type



Customized Cable end M12 connector attached type available.

Optics Specifications

Model	QPL-200	QPL-C200	QPL-300	QPLC-300	QPL-400	QPLC-400	QPL-500	QPLC-500	
Lens color	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	
Light color	Cooldaylight								
Color temperature	6,000-7,000K								
Luminous flux	DC	168lm	187lm	248lm	309lm	387lm	436lm	515lm	587lm
	AC	-	-	381lm	433lm	527lm	600lm	696lm	792lm
Efficacy (lm/W)	DC	50lux	65lux	80lux	100lux	120lux	145lux	160lux	195lux
	AC	-	-	100lux	125lux	175lux	210lux	255lux	305lux

Specifications

Model	QPL-200/ QPLC-200	QPL-300/ QPLC-300	QPL-400/ QPLC-400	QPL-500/ QPLC-500
Voltage	DC24V	DC24V	DC24V	DC24V
		AC110V / 220V	AC110V / 220V	AC110V / 220V
Range for operation voltage	DC21.5V-26.5V	DC21.5V-26.5V / AC98V-121V / AC198V-245V		
Power consumption	3.5W	4W	5.5W	7.5W
		3.5W / 5.5W	6W / 7.5W	9W / 11W
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	IP65			
Materials	Lens : PC, Side cover : ABS, Heat sink : Al			
Certificates	CE DC24V/AC220V only UL DC24V only			
Weight(Approx.)	0.13kg	0.15kg	0.21kg	0.24kg
		0.15kg	0.21kg	0.24kg

QPL/QPLC/QPHL/QPHLC

Basic Waterproof LED Light Bars



QPHL Translucent Lens



QPHLC Transparent Lens



Optics Specifications

Model	QPHL-200	QPHLC-200	QPHL-300	QPHLC-300	QPHL-400	QPHLC-400	QPHL-500	QPHLC-500	
Lens color	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	
Light color	Cooldaylight								
Color temperature	6,000-7,000K								
Luminous flux	DC	289lm	344lm	460lm	529lm	668lm	768lm	803lm	907lm
	AC	-	-	505lm	582lm	714lm	814lm	927lm	1,094lm
Efficacy (lm/W)	DC	80lux	100lux	120lux	150lux	190lux	230lux	250lux	310lux
	AC	-	-	135lux	170lux	200lux	250lux	290lux	375lux

Specifications

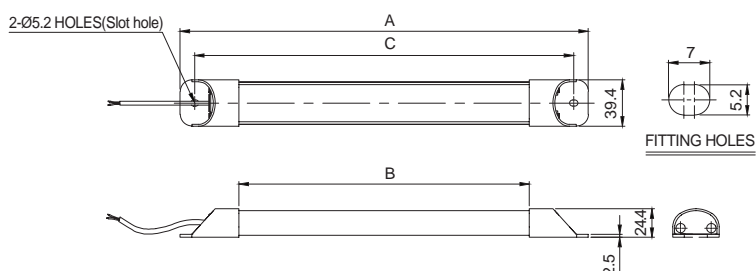
Model	QPHL-200/ QPHLC-200	QPHL-300/ QPHLC-300	QPHL-400/ QPHLC-400	QPHL-500/ QPHLC-500
Voltage	DC24V	DC24V AC110V / 220V	DC24V AC110V / 220V	DC24V AC110V / 220V
Range for operation voltage	DC21.5V-26.5V	DC21.5V-26.5V / AC98V-121V / AC198V-245V		
Power consumption	4.8W	5.5W 4W / 6.5W	8.5W 7W / 9W	12W 10W / 12W
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	IP65			
Materials	Lens : PC, Side cover : ABS, Heat sink : Al			
Certificates	-	CE DC24V/ AC220V only U _L DC24V only		
Weight(Approx.)	0.13kg	0.22kg	0.31kg	0.41kg
		0.23kg	0.32kg	0.42kg



Technical Diagram

(Units : mm)

QPL/ QPHL 200/ 300/ 400/ 500
QPLC/ QPHLC 200/ 300/ 400/ 500



MODEL	A	B	C
QPL/ QPHL/ QPLC/ QPHLC 200	200	100	175
QPL/ QPHL/ QPLC/ QPHLC 300	300	200	275
QPL/ QPHL/ QPLC/ QPHLC 400	400	300	375
QPL/ QPHL/ QPLC/ QPHLC 500	500	400	475

※ External power line : DC TYPE - UL2464 AWG22(0.3sq×2C) 450mm
AC TYPE - VCTFK(0.75sq×2C) 450mm

QPL/QPLC/QPHL/QPHLC

Basic Waterproof LED Light Bars

Light Distribution and Illuminance

Model	Light Distribution Curve	Illumination Feature			
QPL					
QPLC					
QPHL					
QPHLC					



Ordering Specification

QPHL

[Model number]

500

[Product length]

24

[Voltage]

- QPL : Translucent lens
- QPLC : Transparent lens
- QPHL : High illumination translucent lens
- QPHLC : High illumination transparent lens

- 200 : 200mm
- 300 : 300mm
- 400 : 400mm
- 500 : 500mm

- 24-DC24V
- 110-AC110V
- 220-AC220V

QCML/ QCMLC

Waterproof LED Light Bars for
Multi-use with Protection of IP67/ IP69K



High seal and high waterproof light bars that can be used in high temperature wash down applications

Can select from a variety of light colors from cool daylight, incandescent, amber and red color lights to fit your application needs



Common Specifications(QCML/ QCMLC)

- Side cover and lens is integrated together with a multi silicon rubber sealing structure for superior protection from water
- Aesthetically pleasing with slim and compact housing
- Polycarbonate material provides superior heat and shock resistance
- Features great seal and durability in food processing, pharmaceutical, and beverage processing machine that needs high temperature wash down
- Can select from light colors of Cool daylight, warm white, amber and red color lights depending on your application needs such as semiconductor manufacturing equipment, machine tools and test equipment
- Can select between transparent lens type and translucent lens type depending on your application needs
- Detachable mounting bracket structure enables to adjust mounting hole space freely
- Protection rating : IP67, IP69K
- Can customize the product with the M12 connector if requested
- Certificates : CE Compliant, UL Listed



QCML Series Specifications

Lens Type	Length	Cooldaylight	Incandescent	Red	Amber
Translucent Lens					
	200mm	QCML-200-W	QCML-200-PY	QCML-200-R	QCML-200-A
	300mm	QCML-300-W	QCML-300-PY	QCML-300-R	QCML-300-A
	400mm	QCML-400-W	QCML-400-PY	QCML-400-R	QCML-400-A
	500mm	QCML-500-W	QCML-500-PY	QCML-500-R	QCML-500-A
	600mm	QCML-600-W	QCML-600-PY	QCML-600-R	QCML-600-A
	900mm	QCML-900-W	QCML-900-PY	QCML-900-R	QCML-900-A
Transparent Lens	1,200mm	QCML-1200-W	QCML-1200-PY	QCML-1200-R	QCML-1200-A
	1,500mm	QCML-1500-W	QCML-1500-PY	QCML-1500-R	QCML-1500-A
	200mm	QCMLC-200-W	QCMLC-200-PY	QCMLC-200-R	QCMLC-200-A
	300mm	QCMLC-300-W	QCMLC-300-PY	QCMLC-300-R	QCMLC-300-A
	400mm	QCMLC-400-W	QCMLC-400-PY	QCMLC-400-R	QCMLC-400-A
	500mm	QCMLC-500-W	QCMLC-500-PY	QCMLC-500-R	QCMLC-500-A
600mm	QCMLC-600-W	QCMLC-600-PY	QCMLC-600-R	QCMLC-600-A	
900mm	QCMLC-900-W	QCMLC-900-PY	QCMLC-900-R	QCMLC-900-A	
1,200mm	QCMLC-1200-W	QCMLC-1200-PY	QCMLC-1200-R	QCMLC-1200-A	
1,500mm	QCMLC-1500-W	QCMLC-1500-PY	QCMLC-1500-R	QCMLC-1500-A	
Features		<ul style="list-style-type: none"> • Bright and transparent color temperature that is most commonly used • Color temperature : 6,000-7,000K 	<ul style="list-style-type: none"> • Less eye fatigue with color temperature similar to incandescent lamp • Color temperature : 2,500-3,500K 	<ul style="list-style-type: none"> • Red color light for special use • Wavelength : 618nm-632nm 	<ul style="list-style-type: none"> • Amber color light for special use • Wavelength : 585nm-595nm
Applications		<ul style="list-style-type: none"> • Machine tools • Factory facilities • Image test • Panel boards 	<ul style="list-style-type: none"> • Food processing facilities • Cosmetics manufacturing facility • Pharmaceutical equipment and facilities • Chemical facilities 	<ul style="list-style-type: none"> • Semiconductor manufacturing equipment (in clean room) • Print and light exposure manufacturing facilities • Growing plants with artificial lights 	<ul style="list-style-type: none"> • Semiconductor manufacturing equipment • Testing equipment

QCML/QCMLC

Waterproof LED Light Bars for
Multi-use with Protection of IP67/ IP69K



QCML Translucent Lens Type



QCMLC Transparent Lens Type

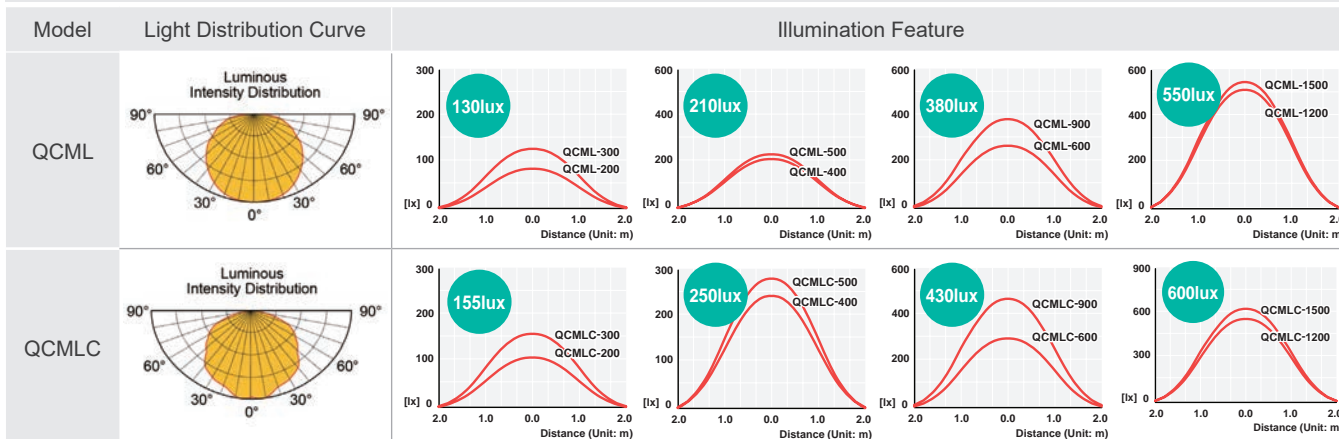


Optics Specifications								
Model	QCML-200/ QCMLC-200	QCML-300/ QCMLC-300	QCML-400/ QCMLC-400	QCML-500/ QCMLC-500	QCML-600/ QCMLC-600	QCML-900/ QCMLC-900	QCML-1200/ QCMLC-1200	QCML-1500/ QCMLC-1500
Lens color	Translucent/ Transparent	Translucent/ Transparent	Translucent/ Transparent	Translucent/ Transparent	Translucent/ Transparent	Translucent/ Transparent	Translucent/ Transparent	Translucent/ Transparent
Light color/ Color temperature	Cooldaylight	6,000-7,000K						
	Incandescent	2,500-3,500K						
	Red	618-632nm						
	Amber	585-632nm						
Luminous flux/ (Cooldaylight)	276lm/ 322lm	381lm/ 436lm	729lm/ 833lm	742lm/ 849lm	754lm/ 863lm	1,126lm/ 1,291lm	1,492lm/ 1,691lm	1,855lm/ 2,105lm
Efficacy (lm/W)/ (Cooldaylight)	85lux/ 100lux	130lux/ 155lux	200lux/ 245lux	210lux/ 250lux	250lux/ 295lux	380lux/ 430lux	500lux/ 560lux	550lux/ 600lux
Specifications								
Model	QCML-200/ QCMLC-200	QCML-300/ QCMLC-300	QCML-400/ QCMLC-400	QCML-500/ QCMLC-500	QCML-600/ QCMLC-600	QCML-900/ QCMLC-900	QCML-1200/ QCMLC-1200	QCML-1500/ QCMLC-1500
Voltage	DC24V							
Range for operation voltage	DC21.5V-26.5V							
Power consumption	5.5W	6W	11W	11.5W	12W	18W	23W	30W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)							
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute							
Operating temperature	-30°C to +50°C							
Protection rating	IP67/ IP69K							
Materials	Lens : PC, Side cover : PC, Heat sink : Al, Bracket : PC							
Certificate	CE DC24V only U _L DC24V only							
Weight(Approx.)	0.16kg	0.20kg	0.26kg	0.33kg	0.40kg	0.56kg	0.76kg	0.94kg

QCML/QCMLC

Waterproof LED Light Bars for Multi-use with Protection of IP67/ IP69K

Light Distribution and Illuminance



Mounting Structure



- ※ Adopts removable mounting bracket and sliding structure, adjustable mounting distance.
- ※ mounting bracket is arranged on edge or middle of body, in case of edge of body, mounting bracket space is kept.

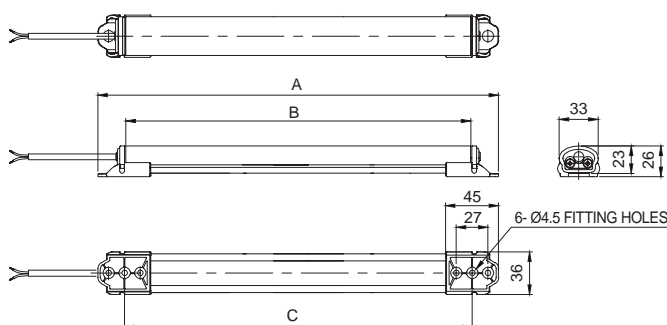


- ※ Cable end M12 connector attached type
- Customized Cable end M12 connector attached type available.

Technical Diagram

(Units : mm)

QCML/ QCMLC-200/ 300/ 400/ 500/ 600/ 900/ 1200/ 1500



MODEL	A	B	C	D
QCML/ QCMLC-200	262	228	45-217	2
QCML/ QCMLC-300	362	328	45-317	2
QCML/ QCMLC-400	462	428	45-417	2
QCML/ QCMLC-500	562	528	45-517	2
QCML/ QCMLC-600	662	628	45-617	2
QCML/ QCMLC-900	962	928	45-917	3
QCML/ QCMLC-1200	1262	1228	45-1217	4
QCML/ QCMLC-1500	1562	1528	45-1517	4

- ※ D : Recommended quantity of mounting brackets
- ※ External power line - UL2464-AWG22(0.3sq×2C) 450mm

Ordering Specification

QCML	-	300	-	PY	-	24
[Model number]		[Product length]		[Light color]		[Voltage]
<ul style="list-style-type: none"> • QCML : Translucent lens • QCMLC : Transparent lens 		<ul style="list-style-type: none"> • 200 - 228mm • 300 - 328mm • 400 - 428mm • 500 - 528mm • 600 - 628mm • 900 - 928mm • 1,200 - 1,228mm • 1,500 - 1,528mm 		<ul style="list-style-type: none"> • W-Cooldaylight • PY-Incandilight • R-Red • A-Amber 		<ul style="list-style-type: none"> • 24-DC24V

QCML-7C

Waterproof LED Light Bars for
Multi-use with Protection of IP67/ IP69K



Waterproof LED light bar with 7 color configurations



Common Specifications

- Save installation cost and space by utilizing this single LED light bar with 7 configurable colors
- Side cover and lens is integrated together with a multi silicon rubber sealing structure for superior protection from water
- Aesthetically pleasing with slim and compact housing
- Polycarbonate material provides superior heat and shock resistance
- Features great seal and durability in food processing, pharmaceutical, and beverage processing machine that needs high temperature wash down
- Detachable mounting bracket structure enables to adjust mounting hole space freely
- Protection rating : IP67, IP69K
- Can customize the product with the M12 connector if requested
- Certificates : CE Compliant, UL Listed



Optics Specifications

Model	QCML-200-7C	QCML-300-7C	QCML-400-7C	QCML-500-7C	QCML-600-7C	QCML-900-7C	QCML-1200-7C	QCML-1500-7C
Lens color	Translucent							
Light color/ Color temperature	Red	618-635 nm						
	Green	510-530 nm						
	Blue	453-465 nm						
	Amber	563-573 nm						
	Violet	478-488 nm						
	Cian	375-385 nm						
	White	470-480 nm						

Specifications

Model	QCML-200-7C	QCML-300-7C	QCML-400-7C	QCML-500-7C	QCML-600-7C	QCML-900-7C	QCML-1200-7C	QCML-1500-7C
Voltage	DC24V							
Range for operation voltage	DC21V-30V							
Power consumption	4.7W	5.6W	9.4W	10.3W	11.4W	17.0W	22.2W	28.0W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)							
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute							
Operating temperature	-30°C to +50°C							
Protection rating	IP67/ IP69K							
Materials	Lens : PC, Side cover : PC, Heat sink : Al, Bracket : PC							
Certificate	CE DC24V only DC24V only							
Weight(Approx.)	0.16kg	0.20kg	0.26kg	0.33kg	0.40kg	0.56kg	0.76kg	0.94kg

QCML-7C

Waterproof LED Light Bars for Multi-use with Protection of IP67/ IP69K



Mounting Structure



Example for mounting outside

Example for mounting inside



- ※ Adopts removable mounting bracket and sliding structure, adjustable mounting distance.
- ※ mounting bracket is arranged on edge or middle of body, in case of edge of body, mounting bracket space is kept.



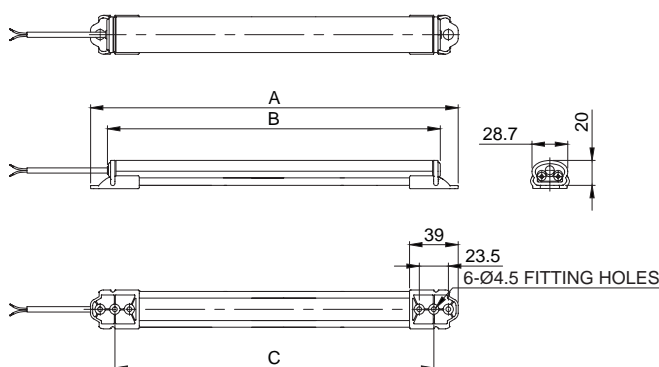
- ※ Cable end M12 connector attached type
- Customized Cable end M12 connector attached type available.



Technical Diagram

(Units : mm)

QCML-200/300/400/500/600/900/1200/1500-7C



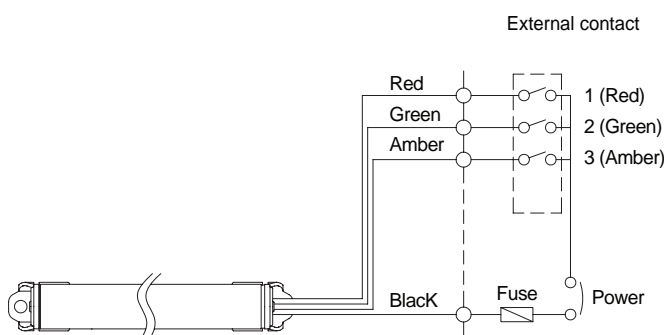
MODEL	A	B	C	D
QCML-200-7C	262	228	45~217	2
QCML-300-7C	362	328	45~317	2
QCML-400-7C	462	428	45~417	2
QCML-500-7C	562	528	45~517	2
QCML-600-7C	662	628	45~617	2
QCML-900-7C	962	928	45~917	3
QCML-1200-7C	1262	1228	45~1217	4
QCML-1500-7C	1562	1528	45~1517	4

※ D : Recommended quantity of mounting brackets

※ External power line - Dura & Flex-F VU(0.3sqX4C) 450mm



Wiring Instructions



Wiring Configuration for Signal Color

No.	Color	Wiring
1	RED	1(RED)
2	GREEN	2(GREEN)
3	BLUE	3(AMBER)
4	AMBER	1(RED)+2(GREEN)
5	PURPLE	1(RED)+3(AMBER)
6	CYAN	2(GREEN)+3(AMBER)
7	WHITE	1(RED)+2(GREEN)+3(AMBER)



Ordering Specification

QCML	300	7C	24
[Model number]	[Product length]	[Light color]	[Voltage]
• QCML	• 200 - 228mm • 300 - 328mm • 400 - 428mm • 500 - 528mm	• 7C - 7 Color standard	• 24-DC24V
	• 600 - 628mm • 900 - 928mm • 1,200 - 1,228mm • 1,500 - 1,528mm		



General lights for built-in AC power converter in compact structure



Cable end M12 connector attached type



Customized Cable end M12 connector attached type available.



Common Specifications(QGL/ QGLC)

- Using aluminum base that protects against heat and stable illumination
- Suitable alternative to fluorescent lighting for situations that require a compact structure with high illumination
- LED direct AC connect system, no need other power device
- 4 kinds of products length 200/300/400/500mm
- Lens options available based on use case- Transparent lens(QGLC) or translucent lens(QGL)
- Removable mount bracket where mounting distance can be adjusted
- Can customize the product with the M12 connector if requested
- Certificates : CE Compliant

QGL Translucent Lens



QGLC Transparent Lens



Optics Specifications

Model	QGL-200	QGLC-200	QGL-300	QGLC-300	QGL-400	QGLC-400	QGL-500	QGLC-500	
Lens color	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	
Light color	Cooldaylight								
Color temperature	6,000-7,000K								
Luminous flux	DC	265lm	332lm	397lm	498lm	595lm	748lm	872lm	997lm
	AC	316lm	358lm	530lm	602lm	720lm	818lm	952lm	1,080lm
Efficacy (lm/W)	DC	70lux	85lux	140lux	170lux	210lux	255lux	280lux	340lux
	AC	85lux	90lux	185lux	205lux	255lux	280lux	310lux	370lux

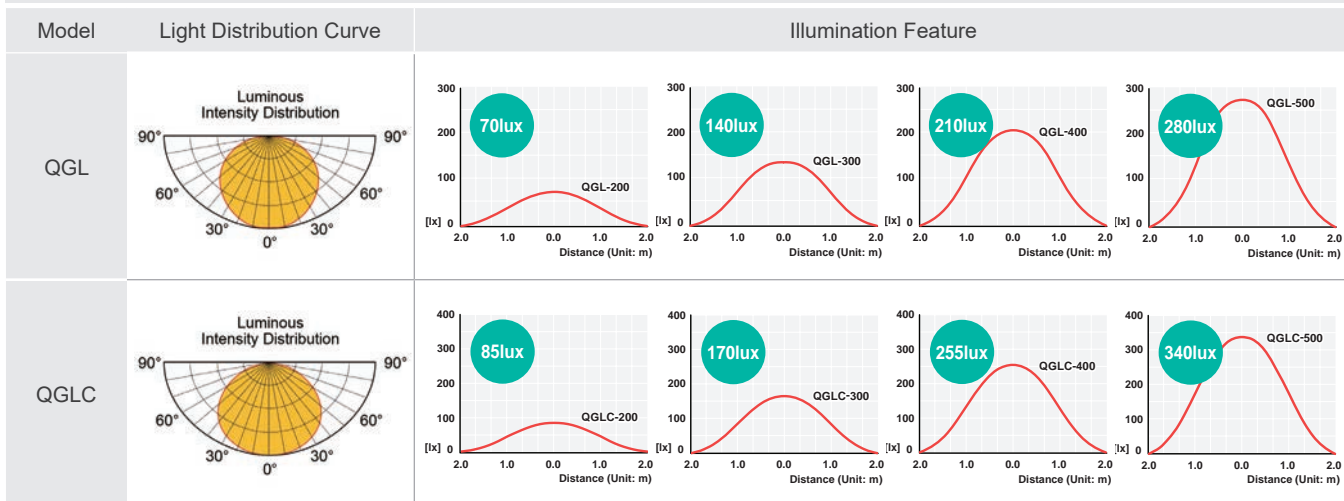
Specifications

Model	QGL-200/QGLC-200	QGL-300/QGLC-300	QGL-400/QGLC-400	QGL-500/QGLC-500
Voltage	DC24V	DC24V	DC24V	DC24V
	AC110V / AC220V	AC110V / AC220V	AC110V / AC220V	AC110V / AC220V
Range for operation voltage	DC21.5V-26.5V / AC98V-121V / AC198V-245V			
Power consumption	3W	5W	7.5W	10.5W
	4W / 3.5W	7W / 6.5W	9W / 9W	12W / 11.5W
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	Non waterproof			
Materials	Lens : PC, Side cover : ABS, Heat sink : Al, Bracket : STS201			
Certificate	CE DC24V, AC220V only			
Weight(Approx.)	0.12kg	0.17kg	0.23kg	0.28kg
	0.12kg	0.17kg	0.23kg	0.28kg

QGL/QGLC

LED Light Bars for Indoor

Light Distribution and Illuminance



Mounting Structure



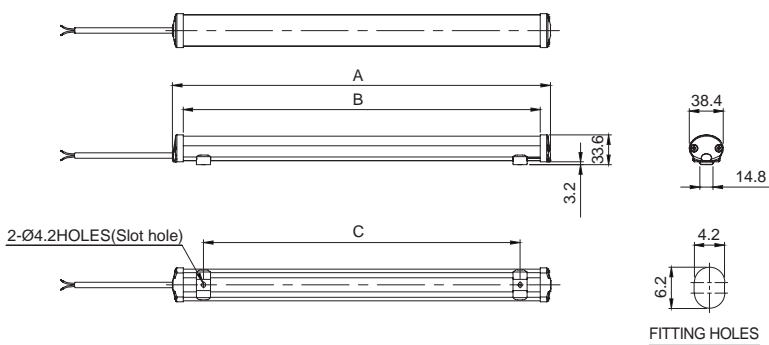
※ Adopts removable mounting bracket and sliding structure, adjustable mounting distance.

※ Standard bracket : STS201(2pcs included)

Technical Diagram

(Units : mm)

QGL/ QGLC-200/ 300/ 400/ 500



MODEL	A	B	C
QGL/ QGLC-200	200	177	16-130
QGL/ QGLC-300	300	277	16-230
QGL/ QGLC-400	400	377	16-330
QGL/ QGLC-500	500	477	16-430

※ External power line : DC TYPE - UL2464 AWG22(0.3sq×2C) 450mm
 AC TYPE - VCTFK(0.75sq×2C) 450mm

Ordering Specification

QGL	300	220
[Model number]	[Product length]	[Voltage]
<ul style="list-style-type: none"> • QGL : Translucent lens • QGLC : Transparent lens 	<ul style="list-style-type: none"> • 200 : 200mm • 300 : 300mm • 400 : 400mm • 500 : 500mm 	<ul style="list-style-type: none"> • 24-DC24V • 110-AC110V • 220-AC220V

QEL/QELT/QELS/QELTS

LED Light Bars for Distribution Panel



Common Specifications(QEL/ QELT/ QELS/ QELTS)

- Wide direct light distribution for high illumination in the distribution panel
- Options for operation are power line threading type, terminal box equipped type, on-off switch equipped type
- LED direct AC connect system, no need other power device
- Adopts constant current circuit for stable illumination in unstable power
- 4 kinds of products length 200/300/400/500mm for each condition
- Removable mount bracket that adjust mount distance
- Can customize the product with the M12 connector if requested
- Certificates : CE Compliant, KC



QEL External Power Line



QELT Terminal Box Equipped



QELS External Power Line, Switch Equipped



QELTS Terminal Box Equipped, Switch Equipped



Optics Specifications

Model	QEL-200/ QELT-200 QELS-200/ QELTS-200	QEL-300/ QELT-300 QELS-300/ QELTS-300	QEL-400/ QELT-400 QELS-400/ QELTS-400	QEL-500/ QELT-500 QELS-500/ QELTS-500
Lens color	Translucent	Translucent	Translucent	Translucent
Light color	Cooldaylight			
Color temperature	6,000-7,000K			
Luminous flux	DC	254lm	383lm	509lm
	AC	268lm	384lm	479lm
Efficacy (lm/W)	DC	93Lux	105Lux	165Lux
	AC	77Lux	100Lux	145Lux

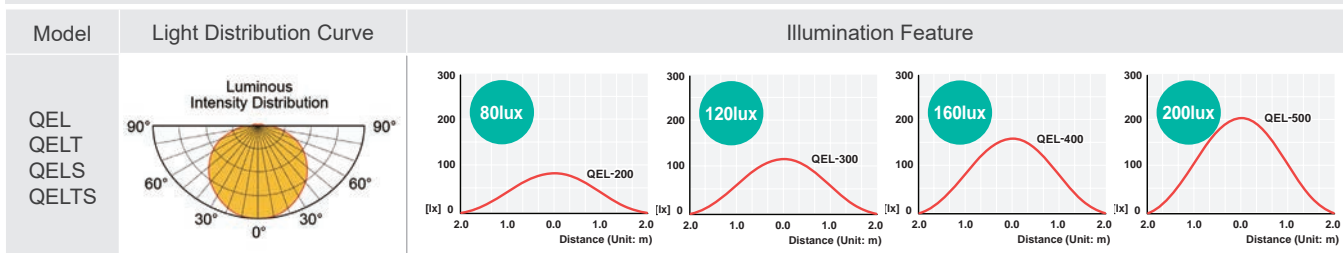
Specifications

Model	QEL-200/ QELT-200 QELS-200/ QELTS-200	QEL-300/ QELT-300 QELS-300/ QELTS-300	QEL-400/ QELT-400 QELS-400/ QELTS-400	QEL-500/ QELT-500 QELS-500/ QELTS-500
Voltage	DC24V	DC24V	DC24V	DC24V
	AC110V/AC220V	AC110V/AC220V	AC110V/AC220V	AC110V/AC220V
Range for operation voltage	DC21.5V-26.5V / AC98V-121V / AC198V-245V			
Power consumption	3.5W	5W	7W	9W
	3.0W / 4.0W	3.5W / 5.5W	4.5W / 7.5W	5W / 10W
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	Non waterproof			
Materials	Lens : PC, Side cover : ABS, Bracket : STS201			
Certificate	CE DC24V/AC220V only KC AC220V only(QEL/ QELS)			
Weight(Approx.)	0.08kg	0.10kg	0.13kg	0.15kg
	0.10kg	0.12kg	0.15kg	0.17kg

QEL/QELT/QELS/QELTS

LED Light Bars for Distribution Panel

Light Distribution and Illuminance



Mounting Structure



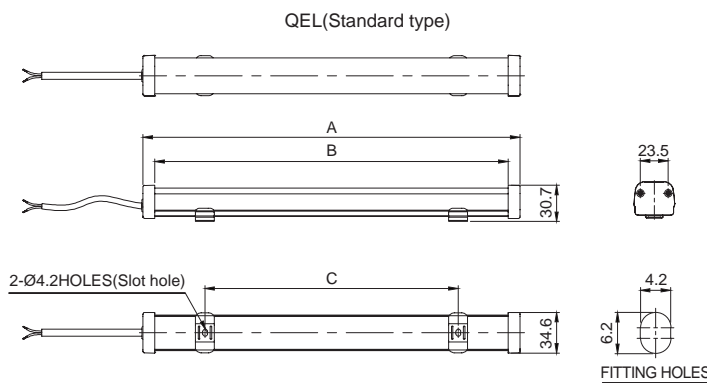
※ Adopts removable mounting bracket and sliding structure, adjustable mounting distance. ※ Standard bracket : STS201(2pcs included)



※ Cable end M12 connector attached type
Customized Cable end M12 connector attached type available.
(QEL, QELS Only)

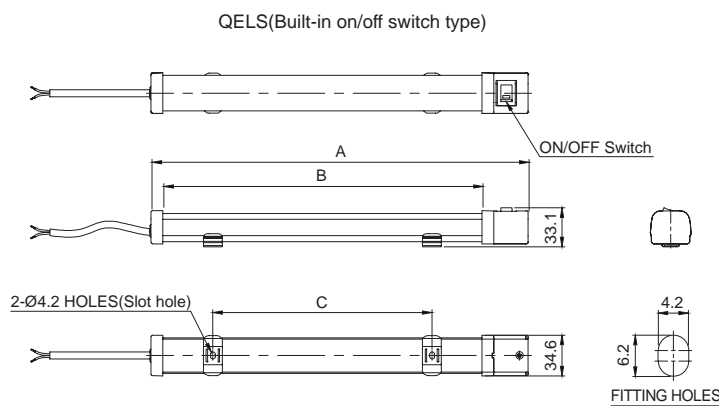
Technical Diagram

(Units : mm)



MODEL	A	B	C
QEL-200	220	200	16-170
QEL-300	320	300	16-270
QEL-400	420	400	16-370
QEL-500	520	500	16-470

※ External power line : DC TYPE - UL2464 AWG22(0.3sq×2C) 450mm
AC TYPE - VCTFK(0.75sq×2C) 450mm



MODEL	A	B	C
QELS-200	249	200	16-170
QELS-300	349	300	16-270
QELS-400	449	400	16-370
QELS-500	549	500	16-470

※ External power line : DC TYPE - UL2464 AWG22(0.3sq×2C) 450mm
AC TYPE - VCTFK(0.75sq×2C) 450mm

QEL/QELT/QELS/QELTS

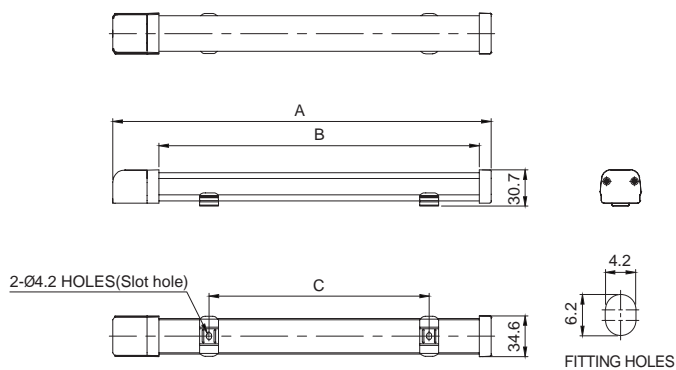
LED Light Bars for Distribution Panel



Technical Diagram

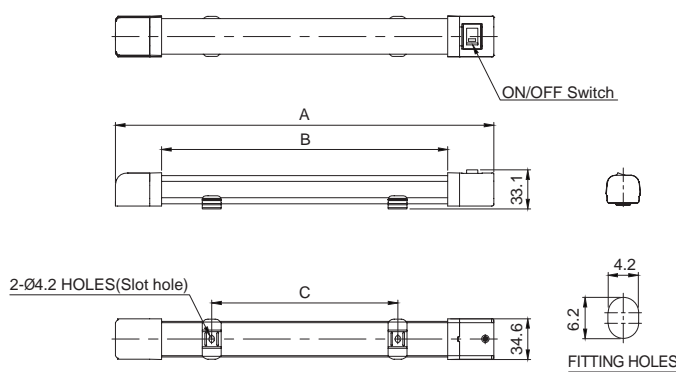
(Units : mm)

QELT(Built-in terminal type)



MODEL	A	B	C
QELT-200	249	200	16-170
QELT-300	349	300	16-270
QELT-400	449	400	16-370
QELT-500	549	500	16-470

QELTS(Built-in on/off switch and terminal type)



MODEL	A	B	C
QELTS-200	278	200	16-170
QELTS-300	378	300	16-270
QELTS-400	478	400	16-370
QELTS-500	578	500	16-470

※ External power lines are NOT provided in case of QELT and QELTS models



Ordering Specification

QEL

[Model number]

- QEL : External power line
- QELT : Terminal box equipped
- QELS : External power line, Switch equipped
- QELTS : Terminal box, Switch equipped

300

[Product length]

- 200 : 200mm
- 300 : 300mm
- 400 : 400mm
- 500 : 500mm

220

[Voltage]

- 24-DC24V
- 110-AC110V
- 220-AC220V

QMFL-300-Ex-24

Non Sparking LED work light



QMFL-300-Ex-24 Non Sparking LED work light

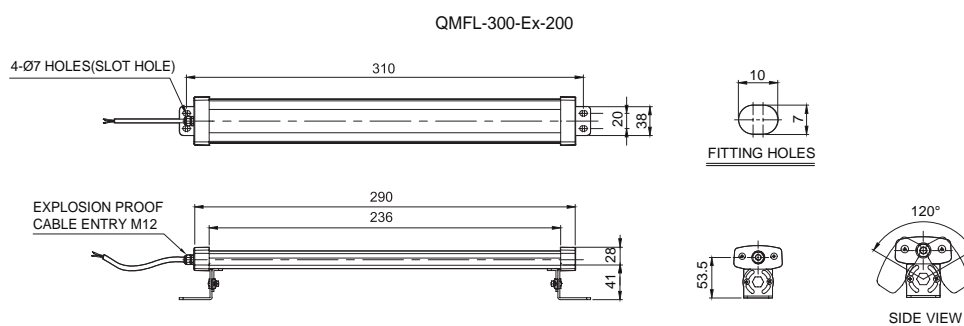
- Water, vibration and oil resistant LED work lights with non sparking ex-proof feature
- Special epoxy sealed structure provides excellent oil resistance
- Aluminum housing and tempered glass improves durability and stability in hazardous areas(Explosive zone)
- Can be used for Zone 2 application with explosion proof rating of nR
- Materials : Housing - Al, Side cover- Al,
Lens - Tempered glass, Bracket - SPC1
- Certificates : KCs, NEPSI
- Protection rating : Ex nR II T6, Ex nR IIC T6 Gc, IP67/ IP69K
- Ambient operating temperature : $-40^{\circ}\text{C} \leq T_{amb} \leq +60^{\circ}\text{C}$

Specifications

Optics Specifications	
Model	QMFL-300-Ex-24
Lens color	Translucent
Light color	Cooldaylight
Color temperature	6,000-7,000K
Luminous flux	DC 510lm
Illumination (at 1m)	DC 260lux
Specifications	
Voltage	DC24V
Range of operation voltage	DC21.5V-26.5V
Power consumption	10W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute
Operating temperature	-40°C to $+60^{\circ}\text{C}$
Protection rating	IP67/ IP69K
Materials	Housing : Al, Side cover : Al, Lens : Tempered glass, Bracket : SPC-1
Certificates	
Weight(Approx.)	0.79kg

Technical Diagram

(Units : mm)



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

Ordering Specification

QMFL	-	300	-	Ex	-	24
[Model number]		[Product length]		[Ex-proof]		[Voltage]
• QMFL : Anti glare type		• 300 : 290mm		• Ex : Non sparking ex-proof type		• 24-DC24V



Cautions in use of explosion proof LED work lights

- Contact structure of an explosion proof product must be a qualified part we provide. Please do not disassemble, assemble, modify or repair arbitrarily.

QLEX-350

Explosion Proof LED Work Light



QLEX-350 Explosion Proof LED Work Light

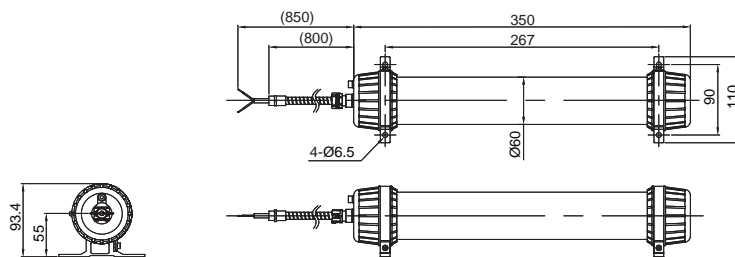
- Explosion proof LED work light designed for use in explosive gas environments with Ex d IIC rating
- Enhanced durability with aluminum housing and polycarbonate lens tube
- Semi-permanent service life with long-lasting LED light source
- Features special structure that allows to adjust light angle by turning the light tube
- Materials : Side cover-Al, Lens-PC, Side cover out-NBR, Bracket-Al
- Certificates : KCs, NEPSI
- Protection rating : Ex d IIC T6, IP66/ IP67
- Ambient operating temperature : $-40^{\circ}\text{C} \leq \text{Tamb} \leq +60^{\circ}\text{C}$

Specifications

Optics Specifications	
Model	QLEX-350
Lens color	Transparent/ Translucent
Light color	Cooldaylight
Color temperature	6,000-7,000K
Luminous flux	DC
Efficacy (lm/W)	DC
	250Lux
Specifications	
Voltage	DC24V
Range of operation voltage	DC21.5V-26.5V
Power consumption	8.6W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute
Operating temperature	-40°C to $+60^{\circ}\text{C}$
Waterproof	IP66/ IP67
Materials	Side cover : Al, Lens : PC, Side cover out : NBR, Bracket : Al
Certificates	
Weight(approx.)	1.12Kg

Technical Diagram

(Units : mm)



Ordering Specification

QLEX	-	350	-	24
[Model number]		[Length]		[Voltage]
• QLEX		• 350 : 350mm		• 24-DC24V

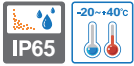


Cautions in use of explosion proof LED work lights

- Contact structure of an explosion proof product must be a qualified part we provide. Please do not disassemble, assemble, modify or repair arbitrarily.

QL-PL series

LED Moisture Proof Lights



Fully enclosed structure with suitable for environments which have lingering dust or moisture

Common Specifications(QL-PL-600-A/ QL-PL-600-W/ QL-PL-1200-A/ QL-PL-1200-W)

- Maintains bright intensity illumination for long-term use with dust resistant
- Fully enclosed structure with protection rating of IP65, suitable for environments which have lingering dust or moisture
- Specially designed for use of parallel connection between the products
- Applicable to internal lighting for semiconductor equipment and display equipment
- Product application examples: Installed in the STOCKER line and logistics automation line of Samsung SDC "C" project
- Protection rating: IP65
- Materials: Housing-PC, Side cover-PC, Bracket-STs
- Certificates: KS, CE



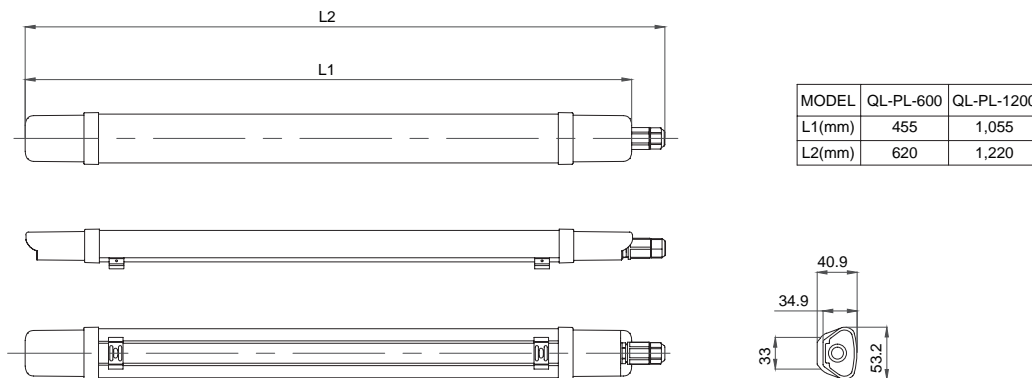
Optics Specifications				
Model	QL-PL-600-A	QL-PL-600-W	QL-PL-1200-A	QL-PL-1200-W
Lens color	Translucent			
Light color(Standard)	Incandescent	Cool daylight	Incandescent	Cool daylight
Color temperature(Standard)	3,000K	6,500K	3,000K	6,500K
Luminous flux	1,620lm		3,200lm	
Efficacy (lm/W)	503Lux	646.1Lux	1,119Lux	
Specifications				
Model	QL-PL-600-A	QL-PL-600-W	QL-PL-1200-A	QL-PL-1200-W
Voltage	AC220V/60Hz			
Range of operation voltage	0.09A	0.09A	0.19A	0.19A
Power consumption	18W	18W	38W	38W
Operating temperature	-20°C to +40°C			
Waterproof	IP65			
Materials	Housing-PC, Side cover-PC, Bracket-STs			
Certificates				
Weight(approx.)	0.147kg	0.147kg	0.283kg	0.283kg



Technical Diagram

(Units : mm)

QL-PL-600-A/ QL-PL-600-W/ QL-PL-1200-A/ QL-PL-1200-W



Ordering Specification

QL-PL	-	600	-	W	-	220
[Model number]		[Length]		[LIGHT COLOR]		[Voltage]
• QL-PL		• 600 : 600mm • 1,200 : 1,200mm		• W : Cool daylight • A : Incandescent		• 220-AC220V



본 제품 사용 전 반드시 사용설명서의 안전 수칙을 확인하십시오. 안전 수칙을 지키지 않을 시 누전으로 인한 점검 또는 화재 등의 사고가 발생할 수 있습니다. 본 제품의 사양은 품질 개선 업무에 따라 변경될 수 있습니다. 최신 제품 정보는 큐라이트 홈페이지(www.qlight.com)에서 가장 정확히 확인할 수 있습니다.

QLEX-SLM-250(PL)

Explosion Proof LED Work Light



QLEX-SLM-250(PL) Explosion Proof LED Work Light

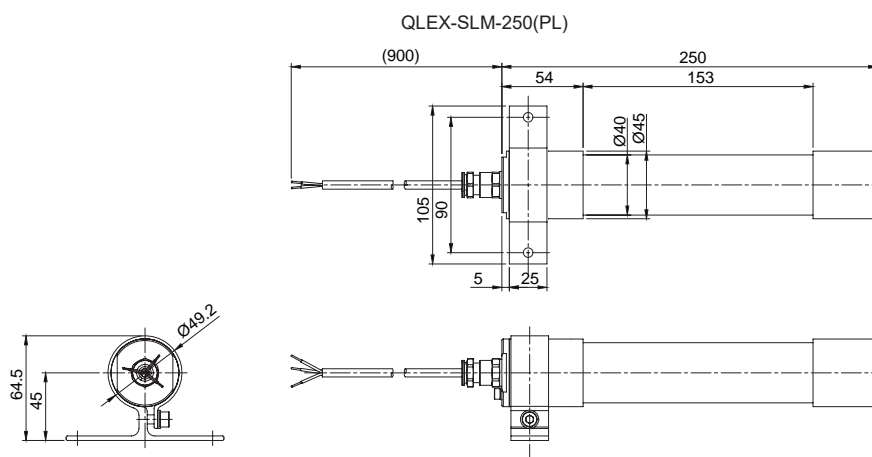
- Explosion proof LED work light designed for use in explosive gas environments with Ex d IIC rating
- Improve durability by adopting an aluminum housing and Polycarbonate(PC) lens
- Semi-permanent service life with long-lasting LED light source
- Features special structure that allows to adjust light angle by turning the light tube
- Materials : Side cover-Al, Lens-PC, Side cover out-NBR, Bracket-Al
- Certificates : CE, KCs, NEPSI, S-Mark
- Protection rating : KCs - Ex d IIC T6
NEPSI - Ex db IIC T6 Gb (QLEX-SLM-250)
- Ambient operating temperature : $-40^{\circ}\text{C} \leq \text{Tamb} \leq +60^{\circ}\text{C}$

Specifications

Optics Specifications	
Model	QLEX-SLM-250(PL)
Lens color	Translucent
Light color	Cool daylight
Color temperature	5,000 - 6,500K
Luminous flux	DC
Efficacy (lm/W)	DC
Specifications	
Voltage	DC24V
Range of operation voltage	DC21.5V-26.5V
Power consumption	8.6W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute
Operating temperature	-40°C to $+60^{\circ}\text{C}$
Waterproof	IP66/ IP67
Materials	Side cover : Al, Lens : PC, Bracket : Al
Certificates	CE KCs ENEC S
Weight(approx.)	0.50Kg

Technical Diagram

(Units : mm)



Ordering Specification

QLEX-SLM	-	250	-	24
[Model number]		[Length]		[Voltage]
• QLEX-SLM		• 250-250mm		• 24-DC24V

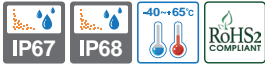


Cautions in use of explosion proof LED work lights

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QWL20/ QWL40

Water and Vibration LED Work Lights with IP67/ IP68K Protection 



Water / Dust proof high brightness LED work light that resists against severe storm and heavily dusty environment



Common Specifications(QL98 series)

- Water / Dust proof LED work light that resists against severe storm and heavily dusty environment
- IP67/ IP68 protection rating, waterproof & dust resistant model that can be used where dusty and flooded area
- Polycarbonate lens allows excellent vibration and impact resistance.
- Long lifetime with a high intensity LED light source allows for easy maintenance
- Excellent durability that is suitable for harsh environment such as an excavator, crane, and off-road vehicle
- Materials : Housing: Al, Lens : PC
- Certificates : CE, UL

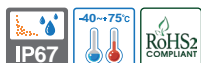


Test Conditions/ Regulations

Vibration Resistance Test	<ul style="list-style-type: none"> • Acceleration : 20m/s² • Duration : 1 octave/min • Range of frequency : 10-150Hz • Amplitude : 10 times maximum 7.5mm, direction : test 10times in 3 directions(X, Y, Z)
Shock Resistance Test	<ul style="list-style-type: none"> • Acceleration : 20g • Directions : ±X, ±Y, ±Z • Numbers : 3 times each directions • Time period : 11ms for each direction • Waveform : Half sine
Solid Particle Protection Test(IP6X)	<ul style="list-style-type: none"> • After reducing the pressure inside the test object, spray talcum powder with a nominal diameter of 50um for 2 hours at 40-60meters/hour inside the dust chamber. • IEC60529
Liquid Ingress Protection Test(IPX7)	<ul style="list-style-type: none"> • Test ingress by putting the object under 1000mm water with 2bar of pressure for 30 mins
Liquid Ingress Protection Test(IPX8)	<ul style="list-style-type: none"> • Much more strict than IPX7 protection rating and there must be an agreement between manufacturer and customer

QWL20

Water and Vibration LED Work Lights with IP67 Protection



QWL20

Common Specifications

Optics Specifications

Model	QWL20
Lens color	Translucent
Light color	Cooldaylight
Color temperature	5,500-6,500 K
Luminous flux	1,000lm

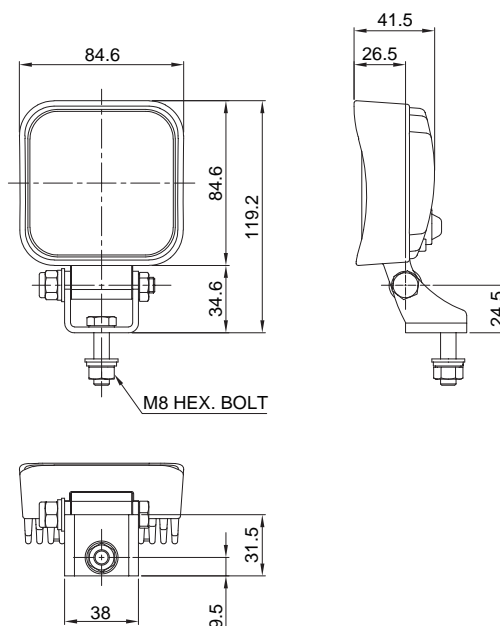
Specifications

Model	QWL20
Voltage	DC12V-24V
Range for operation voltage	DC10V-30V
Power consumption	12W
Insulation resistance	Min. 50MΩ(500V DC mega ohm meter)
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute
Operating temperature	-40°C to +75°C
Protection rating	IP67
Materials	Housing: Al, Lens : PC
Certificate	CE UL
Weight(Approx.)	0.40Kg

Technical Diagram

(Units : mm)

QWL20



Ordering Specification

QWL20	-	12/24
[Model number]		[Voltage]
• QWL20		• 12/24-DC12V-24V

Please read user manual carefully prior to operation to ensure safe and correct use. Failure to follow safety instructions may lead to electric shock because of fire and short circuit. Specification and dimensions listed in this catalogue subject to change without notice for product quality improvement. The newest product information is available on our website.

QWL40

Water and Vibration LED Work Lights with IP68 Protection



QWL40

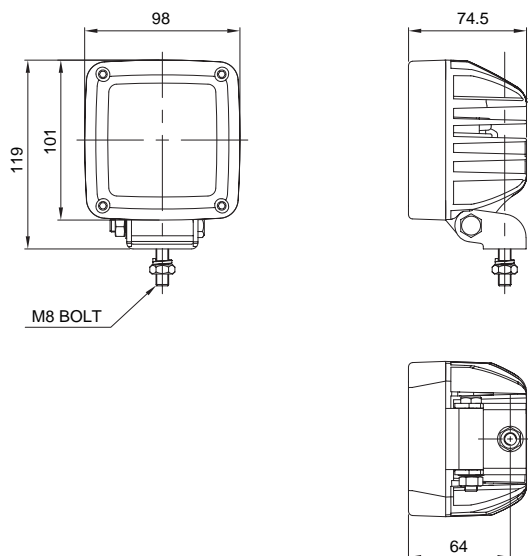
Common Specifications

Optics Specifications	
Model	QWL40
Lens color	Translucent
Light color	Cooldaylight
Color temperature	6,000-7,000K
Luminous flux	2,709lm
Specifications	
Model	QWL40
Voltage	DC12V-24V
Range for operation voltage	DC11.5V-26.5V
Power consumption	28W
Insulation resistance	Min. 50MΩ(500V DC mega ohm meter)
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute
Operating temperature	-40°C to +65°C
Protection rating	IP68
Materials	Housing: Al, Lens : PC
Certificate	CE UL
Weight(Approx.)	0.85Kg

Technical Diagram

(Units : mm)

QWL40



Ordering Specification

QWL40	-	12/24
[Model number]		[Voltage]
• QWL40		• 12/24-DC12V-24V

Please read user manual carefully prior to operation to ensure safe and correct use. Failure to follow safety instructions may lead to electric shock because of fire and short circuit. Specification and dimensions listed in this catalogue subject to change without notice for product quality improvement. The newest product information is available on our website.

EXD29

Explosion Proof High Bay LED Light



Common Specifications

- High efficacy of 150 lm/W, saves energy up to 88.4% compared to traditional fluorescent lightings
- Features special heat radiation technology (T-code rating of T6)
- Easy installation with 7 kinds of mounting brackets
- Slim and compact structure (20% lighter than industry average)
- Features enhanced durability for shock and vibration
- Enhanced resistance to salt pollution damage with applying excellent corrosion proof materials
- Surge protection system provides advanced electrical stability
- Mounting Structure : Junction Box (pendant type, wall mount type)
- Certificates : KCs, ATEX, IECEX
- Protection rating : Ex d IIC T6 Gb, Ex d IIIC T100 °C Db(IECEX)
Ex II2G Ex d IIC T6 Gb,
Ex II2D Ex tb IIIC T100°C Db(ATEX)



Ceiling 0° type



Pendant type



Wall 90° type



Wall 45° type



Stanchion type



Direct mount type



Junction box type

※ Optimized for exiting light replacement
(Electronic outlet equipped in junction box)

Product Specifications

Model number	Power Consumption(W)	Luminous Flux (lm)	Efficacy (lm/W)	Voltage	Color Temperature(K)	Color Rendering Index (Ra)	Beam Angle (°)	Mounting Features
EXD29-JE-CC	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Ceiling 0° type
EXD29-JE-CP	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Pendant type
EXD29-JE-CR	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 90° type
EXD29-JE-CF	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 45° type
EXD29-JE-CS	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Stanchion type
EXD29-JE-CN	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Direct mount type
EXD29-JE-CJ	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Junction box type

Dimension and Weight

Model number	Dimension(Ø, mm)	Weight (Approx.)	Mounting Features
EXD29-JE-CC	Ø 240 x260	7.0kg	Ceiling 0° type
EXD29-JE-CP	Ø 240 x 473	7.9kg	Pendant type
EXD29-JE-CR	Ø 240 x 350 x 356	7.9kg	Wall 90° type
EXD29-JE-CF	Ø 240 x 480 x 347	7.9kg	Wall 45° type
EXD29-JE-CS	Ø 240 x 290 x 207	6.3kg	Stanchion type
EXD29-JE-CN	Ø 240 x 150	5.5kg	Direct mount type
EXD29-JE-CJ	Ø 240 x 290	6.3kg	Junction box type

EXD29

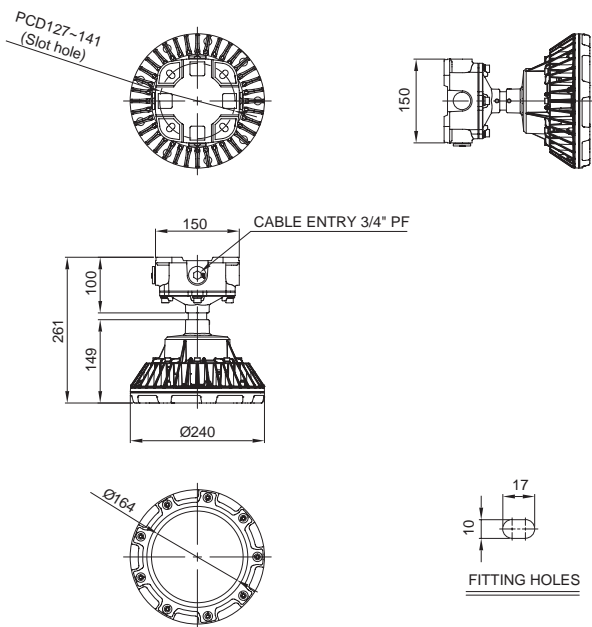
Explosion Proof High Bay LED Light



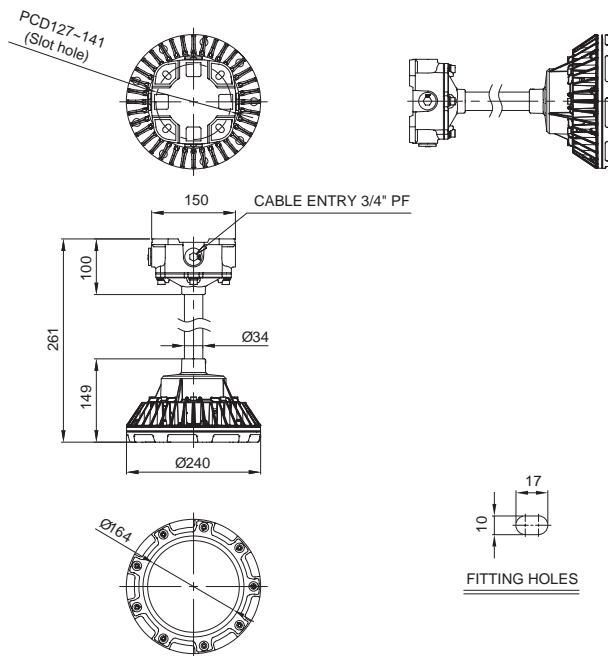
Technical Diagram

(Units : mm)

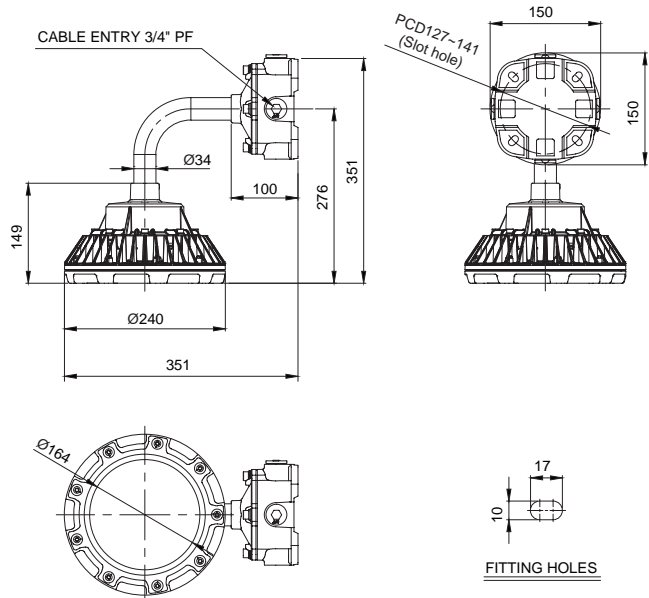
EXD29-JE-CC



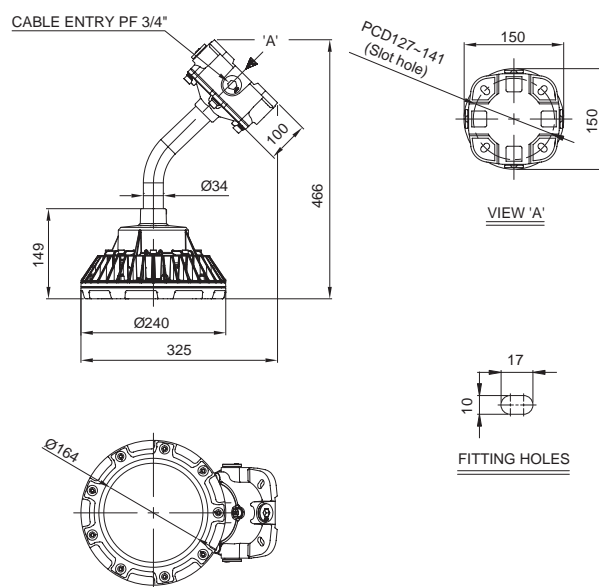
EXD29-JE-CP



EXD29-JE-CR



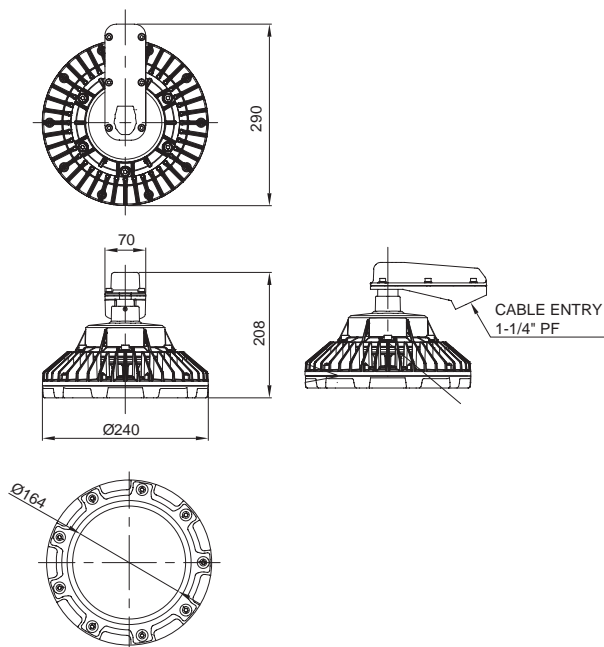
EXD29-JE-CF



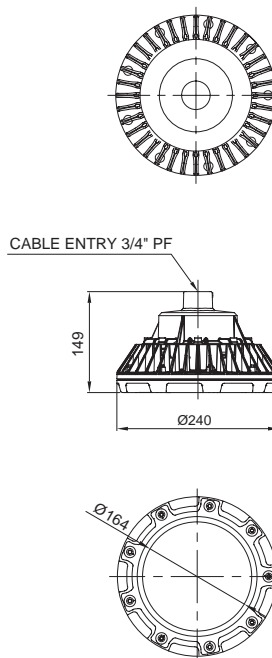
EXD29

Explosion Proof High Bay LED Light

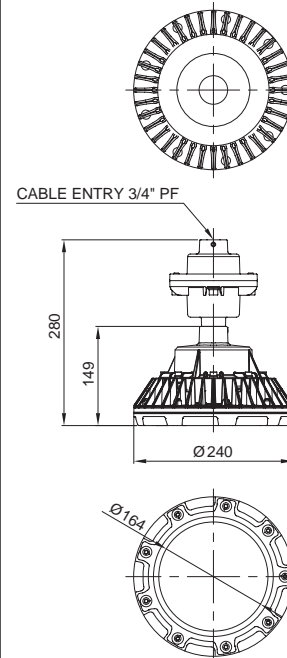
EXD29-JE-CS



EXD29-JE-CN



EXD29-JE-CJ



Light Distribution and Illuminance Cone

Model	Light Distribution Curve	Illuminance Cone Diagram														
EXD29		<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr> <td>560</td> <td>1.7m</td> </tr> <tr> <td>140</td> <td>3.3m</td> </tr> <tr> <td>62</td> <td>5.0m</td> </tr> <tr> <td>35</td> <td>6.7m</td> </tr> <tr> <td>22</td> <td>8.3m</td> </tr> <tr> <td>16</td> <td>10.0m</td> </tr> </tbody> </table>	Luminous flux	distance(m)	560	1.7m	140	3.3m	62	5.0m	35	6.7m	22	8.3m	16	10.0m
Luminous flux	distance(m)															
560	1.7m															
140	3.3m															
62	5.0m															
35	6.7m															
22	8.3m															
16	10.0m															

EXD43/ EXD57/ EXD80

Explosion Proof High Bay LED Lights



Common Specifications (EXD43/ EXD57/ EXD80)

- Ultra high energy efficacy of 150 lm/W (saves up to 88.4% of energy compared to conventional lightings)
- Features special heat radiation technology (T-code rating of T6)
- Easy installation with 7 kinds of mounting brackets
- Slim and compact structure (20% lighter than industry average)
- Features enhanced durability for shock and vibration
- Enhanced resistance to salt pollution damage with applying excellent corrosion proof materials
- Surge protection system provides advanced electrical stability
- Mounting Structure : Junction Box (pendant type, wall type)
- Certificates : KCs, ATEX, IECEx
- Protection rating : Ex d IIC T6 Gb, Ex d IIIC T100 °C Db(IECEX)
Ex II2G Ex d IIC T6 Gb,
Ex II2D Ex tb IIIC T100°C Db(ATEX)



Ceiling 0° type



Pendant type



Wall 90° type



Wall 45° type



Stanchion type



Direct mount type



Junction box type



※ Optimized for exiting light replacement
(Electronic outlet equipped in junction box)

Product Specifications

Model number	Power Consumption(W)	Luminous Flux (lm)	Efficacy (lm/W)	Voltage	Color Temperature(K)	Color Rendering Index (Ra)	Beam Angle (°)	Mounting Features
EXD43-JE-CC	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115	Ceiling 0° type
EXD43-JE-CP	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115	Pendant type
EXD43-JE-CR	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 90° type
EXD43-JE-CF	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 45° type
EXD43-JE-CS	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115	Stanchion type
EXD43-JE-CN	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115	Direct mount type
EXD43-JE-CJ	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115	Junction box type
EXD57-JE-CC	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115	Ceiling 0° type
EXD57-JE-CP	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115	Pendant type
EXD57-JE-CR	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 90° type
EXD57-JE-CF	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 45° type
EXD57-JE-CS	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115	Stanchion type
EXD57-JE-CN	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115	Direct mount type
EXD57-JE-CJ	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115	Junction box type
EXD80-JE-CC	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	115	Ceiling 0° type
EXD80-JE-CP	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	115	Pendant type
EXD80-JE-CR	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 90° type
EXD80-JE-CF	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	115	Wall 45° type
EXD80-JE-CS	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	115	Stanchion type
EXD80-JE-CN	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	115	Direct mount type
EXD80-JE-CJ	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	115	Junction box type

EXD43/ EXD57/ EXD80

Explosion Proof High Bay LED Lights

Dimension and Weight

Model number	Dimension(Ø, mm)	Weight (Approx.)	Mounting Features
EXD43-JE-CC/ EXD57-JE-CC/ EXD80-JE-CC	Ø 285 x 269	9.1kg	Ceiling 0° type
EXD43-JE-CP/ EXD57-JE-CP/ EXD80-JE-CP	Ø 285 x 481	10.0kg	Pendant type
EXD43-JE-CR/ EXD57-JE-CR/ EXD80-JE-CR	Ø 285 x 373 x 364	10.0kg	Wall 90° type
EXD43-JE-CF/ EXD57-JE-CF/ EXD80-JE-CF	Ø 285 x 502 x 368	10.0kg	Wall 45° type
EXD43-JE-CS/ EXD57-JE-CS/ EXD80-JE-CS	Ø 285 x 312 x 215	8.4kg	Stanchion type
EXD43-JE-CN/ EXD57-JE-CN/ EXD80-JE-CN	Ø 285 x 157	7.6kg	Direct mount type
EXD43-JE-CJ/ EXD57-JE-CJ/ EXD80-JE-CJ	Ø 285 x 300	8.4kg	Junction box type

Light Distribution and Illuminance Cone

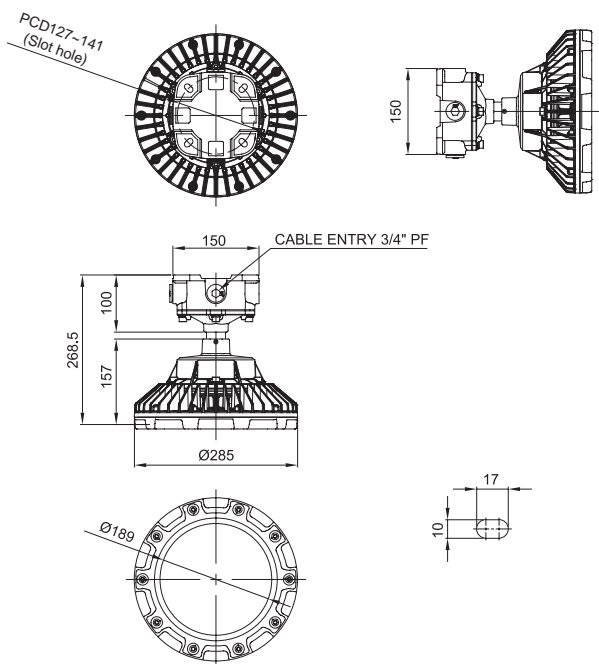
Model	EXD43	EXD57	EXD80																																										
Light Distribution Curve																																													
Illuminance Cone Diagram	<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr><td>839</td><td>1.7m</td></tr> <tr><td>210</td><td>3.3m</td></tr> <tr><td>93</td><td>5.0m</td></tr> <tr><td>52</td><td>6.7m</td></tr> <tr><td>34</td><td>8.3m</td></tr> <tr><td>23.32</td><td>10.0m</td></tr> </tbody> </table>	Luminous flux	distance(m)	839	1.7m	210	3.3m	93	5.0m	52	6.7m	34	8.3m	23.32	10.0m	<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr><td>1,090</td><td>1.7m</td></tr> <tr><td>272</td><td>3.3m</td></tr> <tr><td>121</td><td>5.0m</td></tr> <tr><td>68</td><td>6.7m</td></tr> <tr><td>44</td><td>8.3m</td></tr> <tr><td>30</td><td>10.0m</td></tr> </tbody> </table>	Luminous flux	distance(m)	1,090	1.7m	272	3.3m	121	5.0m	68	6.7m	44	8.3m	30	10.0m	<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr><td>1,564</td><td>1.7m</td></tr> <tr><td>391</td><td>3.3m</td></tr> <tr><td>174</td><td>5.0m</td></tr> <tr><td>98</td><td>6.7m</td></tr> <tr><td>63</td><td>8.3m</td></tr> <tr><td>43</td><td>10.0m</td></tr> </tbody> </table>	Luminous flux	distance(m)	1,564	1.7m	391	3.3m	174	5.0m	98	6.7m	63	8.3m	43	10.0m
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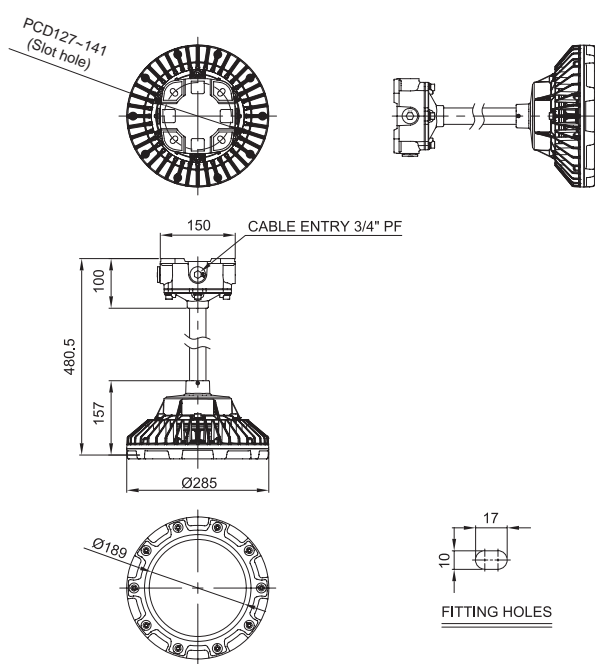
Technical Diagram

(Units : mm)

EXD43/57/80-JE-CC



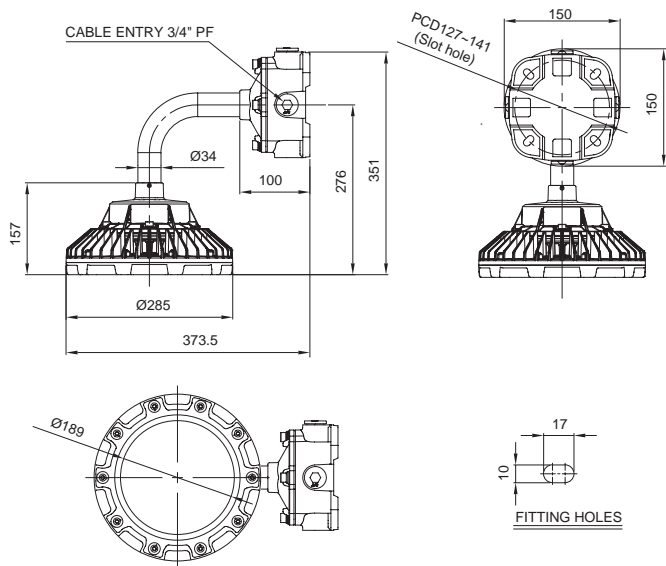
EXD43/57/80-JE-CP



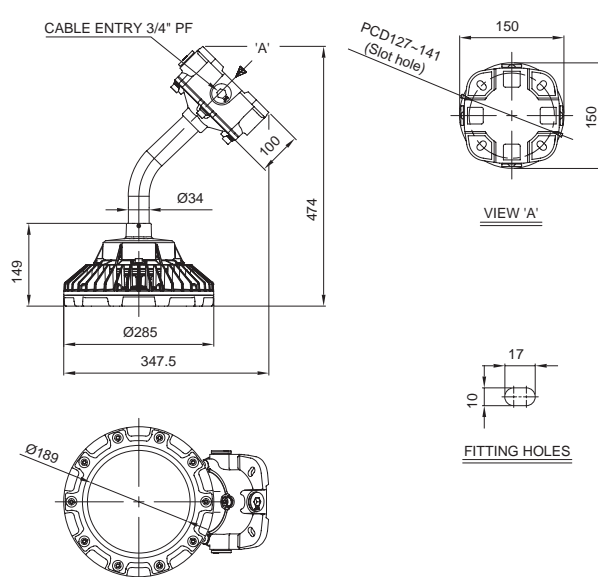
EXD43/ EXD57/ EXD80

Explosion Proof High Bay LED Lights

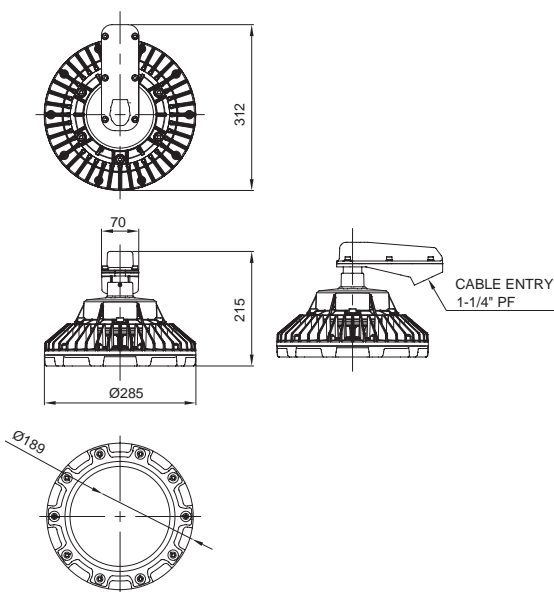
EXD43/57/80-JE-CR



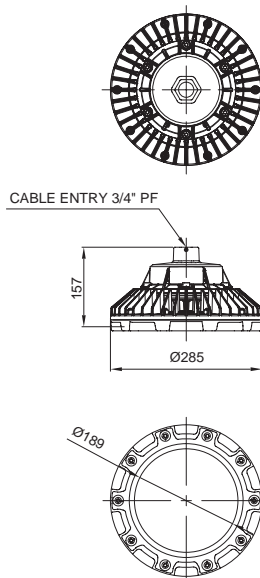
EXD43/57/80-JE-CF



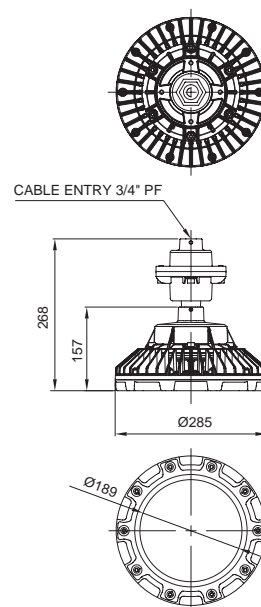
EXD43/57/80-JE-CS



EXD43/57/80-JE-CN



EXD43/57/80-JE-CJ



EXD-JE-CN-EXTB-130 series

Explosion Proof High Bay LED Light



Common Specifications

- High efficacy of 150 lm/W, energy saving up to 88.4% compared to traditional lightings
- Features special heat radiation technology (T-code rating of T6)
- Easy installation with 7 kinds of mounting brackets
- Ultra slim and lightweight body of up to 3-3.5kg (20% lighter than industry average)
- Features enhanced durability for shock and vibration
- Enhanced resistance to salt pollution damage with applying excellent corrosion proof materials
- Surge protection system provides advanced electrical stability
- Mounting Structure : Junction box (pendant type, wall type)
- Certificates : KCs
- Protection rating : Ex d IIC T6, Ex tD A21 T100°C, IP66



EXD-JE-CN-EXTB-130 29W



Pendant type



Wall 90° type

Product Specifications

Model number	Power Consumption(W)	Luminous Flux (lm)	Efficacy (lm/W)	Voltage	Color Temperature(K)	Color Rendering Index (Ra)	Beam Angle (°)	Mounting Features
EXD29-JE-CN-EXTB-130	29W	4,350	150	AC100V-240V	5,700	Above 80(Ra)	115	Junction box type

Dimension and Weight

Model number	Dimension(Ø, mm)	Weight (Approx.)	Features
EXD29-JE-CN-EXTB-130	Ø 240 x 364	7.8kg	Junction box type

Light Distribution and Illuminance Cone

Model	Light Distribution Curve	Illuminance Cone Diagram														
EXD29		<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr> <td>560</td> <td>1.7m</td> </tr> <tr> <td>140</td> <td>3.3m</td> </tr> <tr> <td>62</td> <td>5.0m</td> </tr> <tr> <td>35</td> <td>6.7m</td> </tr> <tr> <td>22</td> <td>8.3m</td> </tr> <tr> <td>16</td> <td>10.0m</td> </tr> </tbody> </table>	Luminous flux	distance(m)	560	1.7m	140	3.3m	62	5.0m	35	6.7m	22	8.3m	16	10.0m
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EXD-JE-CN-EXTB-130 series

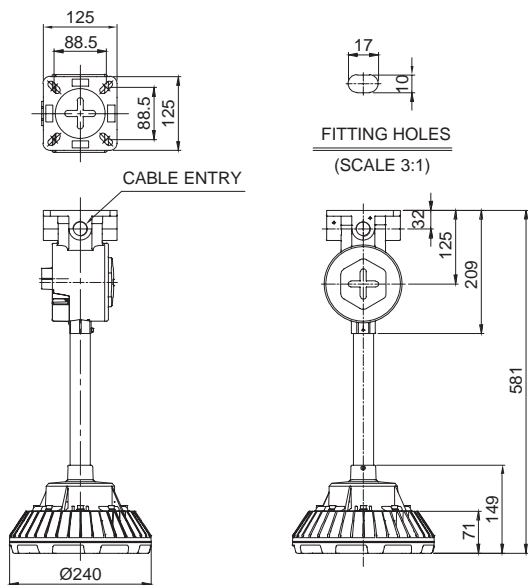
Explosion Proof High Bay LED Lights



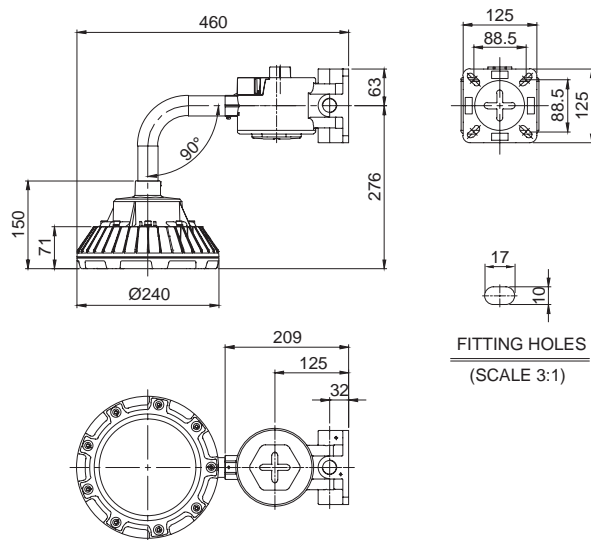
Technical Diagram

(Units : mm)

EXD29-JE-CN-EXTB-130-P
(Pendant type)



EXD29-JE-CN-EXTB-130-R
(Wall 90° type)



Customization



Stanchion type



Junction box type ※ Optimized for exiting light replacement
(Electronic outlet equipped in junction box)



Wall 45° type

EXD-JE-CN-EXTB-130 series

Explosion Proof High Bay LED Lights



Common Specifications

- High efficacy of 150 lm/W, energy saving up to 88.4% compared to traditional lightings
- Features special heat radiation technology (T-code rating of T6)
- Easy installation with 7 kinds of mounting brackets
- Ultra slim and lightweight body of up to 3-3.5kg (20% lighter than industry average)
- Features enhanced durability for shock and vibration
- Enhanced resistance to salt pollution damage with applying excellent corrosion proof materials
- Surge protection system provides advanced electrical stability
- Mounting Structure : Junction box (pendant type, wall type)
- Certificates : KCs
- Protection rating : Ex d IIC T6, Ex tD A21 T100°C, IP66



EXD-JE-CN-EXTB-130 43W

EXD-JE-CN-EXTB-130 57W

EXD-JE-CN-EXTB-130 80W



Pendant type



Wall 90° type

Product Specifications

Model number	Power Consumption(W)	Luminous Flux (lm)	Efficacy (lm/W)	Voltage	Color Temperature(K)	Color Rendering Index (Ra)	Beam Angle (°)
EXD43-JE-CN-EXTB-130	43W	6,450	150	AC100V-240V	5,700	Above 80(Ra)	115
EXD57-JE-CN-EXTB-130	57W	8,550	150	AC100V-240V	5,700	Above 80(Ra)	115
EXD80-JE-CN-EXTB-130	80W	12,000	150	AC100V-240V	5,700	Above 80(Ra)	11

Dimension and Weight

Model number	Dimension(Ø, mm)	Weight (Approx.)	Features
EXD43-JE-CN-EXTB-130/ EXD57-JE-CN-EXTB-130/ EXD80-JE-CN-EXTB-130	Ø 285 x 372	9.9kg	Junction box type

Light Distribution and Illuminance Cone

Model	EXD43	EXD57	EXD80																																										
Light Distribution Curve																																													
Illuminance Cone Diagram	<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr><td>839</td><td>1.7m</td></tr> <tr><td>210</td><td>3.3m</td></tr> <tr><td>93</td><td>5.0m</td></tr> <tr><td>52</td><td>6.7m</td></tr> <tr><td>34</td><td>8.3m</td></tr> <tr><td>23.32</td><td>10.0m</td></tr> </tbody> </table>	Luminous flux	distance(m)	839	1.7m	210	3.3m	93	5.0m	52	6.7m	34	8.3m	23.32	10.0m	<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr><td>1,090</td><td>1.7m</td></tr> <tr><td>272</td><td>3.3m</td></tr> <tr><td>121</td><td>5.0m</td></tr> <tr><td>68</td><td>6.7m</td></tr> <tr><td>44</td><td>8.3m</td></tr> <tr><td>30</td><td>10.0m</td></tr> </tbody> </table>	Luminous flux	distance(m)	1,090	1.7m	272	3.3m	121	5.0m	68	6.7m	44	8.3m	30	10.0m	<table border="1"> <thead> <tr> <th>Luminous flux</th> <th>distance(m)</th> </tr> </thead> <tbody> <tr><td>1,564</td><td>1.7m</td></tr> <tr><td>391</td><td>3.3m</td></tr> <tr><td>174</td><td>5.0m</td></tr> <tr><td>98</td><td>6.7m</td></tr> <tr><td>63</td><td>8.3m</td></tr> <tr><td>43</td><td>10.0m</td></tr> </tbody> </table>	Luminous flux	distance(m)	1,564	1.7m	391	3.3m	174	5.0m	98	6.7m	63	8.3m	43	10.0m
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EXD-JE-CN-EXTB-130 series

Explosion Proof High Bay LED Lights

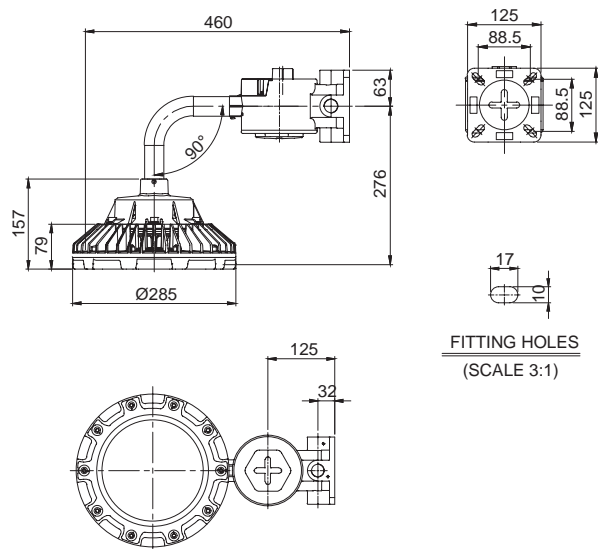
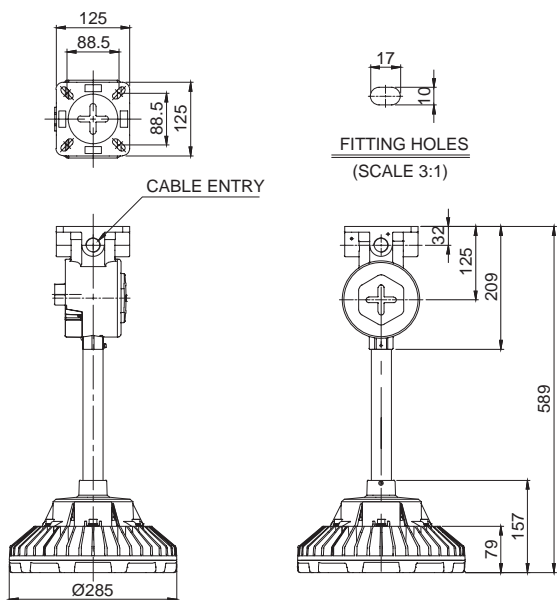


Technical Diagram

(Units : mm)

EXD43/ 57/ 80-JE-CN-EXTB-130-P
(Pendant type)

EXD43/ 57/ 80-JE-CN-EXTB-130-R
(Wall 90° type)



Customization



Stanchion type



Junction box type ※ Optimized for exiting light replacement
(Electronic outlet equipped in junction box)



Wall 45° type

Technical Certification

Qlight products are designed to meet strict quality and technical standards. Thus, the Qlight brand is widely recognized for its high quality and technical innovations from leading institutions around the world.



ISO International Organization for Standardization

Qlight quality assurance systems have been certified by ISO by applying the ISO 9001:2008, KS Q ISO 9001:2009 regulation.



IECEX International Explosion Proof Certification (IECEX)

Certified that Qlight's products are being manufactured and managed according to international standards.



ATEX The European Regulatory Framework of Manufacture, Installation and Use of Equipment in Explosive Atmospheres

Qlight explosion proof products comply with ATEX Directives 94/9/EC.



NEPSI National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation

Qlight's design and manufacturing system meets the People's Republic of China National explosion proof Standard. (Chinese Standard-GB3836/GB12476)



KGS Korea Gas Safety Corporation

Approved from "Korea Gas Safety Corporation" that Qlight's design and manufacturing system meets the standard of KGS.



KOSHA Korea Occupational Safety and Health Agency

Approved by the "Korea Occupational Safety and Health Agency" that Qlight's design and manufacturing system meets the standard of KOSHA.



CCS China Classification Society

Qlight design and quality assurance system has been certified by the China Classification Society.



LR Lloyd's Register

Qlight design and quality assurance system has been certified from Lloyd's Register.



KR Korean Register of Shipping

Qlight design and quality assurance system has been certified by the Korean Register of Shipping.



RMRS Russian Maritime Register of Shipping

Qlight design and quality assurance system has been certified from Russian Maritime Register of Shipping.



UL Underwriters Laboratories

Qlight design and quality assurance system has been certified from UL to ensure the stability of consumption goods and to protect consumers.



CE European Commission

Qlight has been certified by the European Commission.



CCC China Compulsory Certificate

Qlight has obtained CCC which guarantees safety, protection against fraud, environment, etc.



KC Korea Safety Certification

Qlight products are certified by KC for preventing accident caused by fire.



E-mark Commission Directive Regarding Vehicle Industry

Qlight has obtained EU mark for approved vehicles and vehicle components sold into the EU (EEA : European Economic Area)



ICAO International Civil Aviation Organization

Qlight guarantees our products satisfy the criteria regulated by the International Civil Aviation Organization (ICAO, FAA).



RoHS Restriction of Hazardous Substances Directive

Qlight complies with the Restriction of Hazardous Substances Directive by limiting its use of hazardous materials.

Icon Description

This catalogue helps users quickly identify the product's specifications and features by using several types of icons. If you understand the concept for each icon, you will find it easy to understand the catalogue information.

Light Source and Operating Mode Icons

Icon	Operating Mode	Icon	Operating Mode
	Bulb steady type		Bulb steady/flashing type
	Bulb revolving type		LED revolving type
	LED steady type		LED steady/ flashing type
	LED simulated revolving type		LED strobe type
	Xenon lamp strobe type		

Acoustic Signal Icons

Icon	Operating Mode	Icon	Operating Mode
	Buzzer		Speaker
	Horn		Bell
	Motor siren		MP3
	Decibel		

Specifications Icons

Icon	Operating Mode	Icon	Operating Mode
	Magnet type		Ambient operating temperature
	NPN type transistor		PNP type transistor
	IP rating		Wireless Network

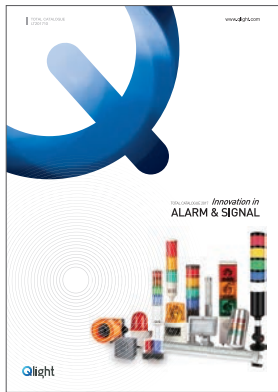
Detail Icons

Icon	Operating Mode	Icon	Operating Mode
	Common specification		External view drawing
	Wiring		Mounting
	User specifications		Model selection

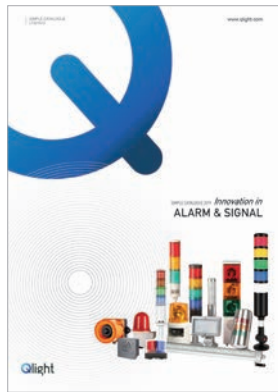
Qlight Catalogue Introduction

Qlight produces a wide variety of product categories which offers the customer the ability to select the suitable device for their application needs and environments.

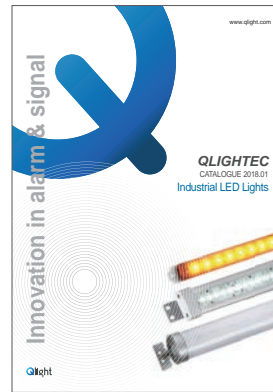
There are warning/signal lights, electric signal horns, signal tower lights, warning light bars, PC control tower lights, industrial LED lights, aviation obstruction lights, and limit switches.



Total Catalogue



Simple Catalogue



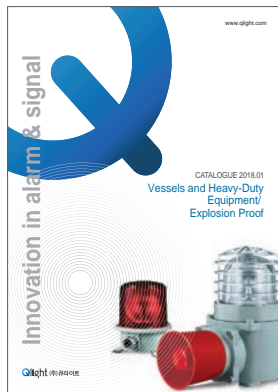
Industrial LED Lights



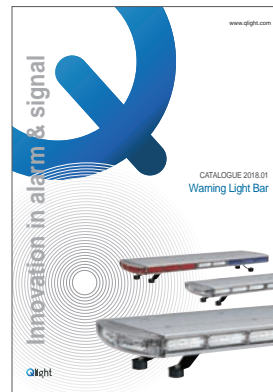
Signal Tower Lights



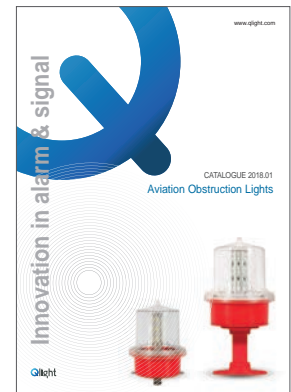
Warning/ Signal Electric Horn



Vessels and Heavy-Duty Equipment/ Explosion Proof



Warning Light Bar



Aviation Obstruction Lights



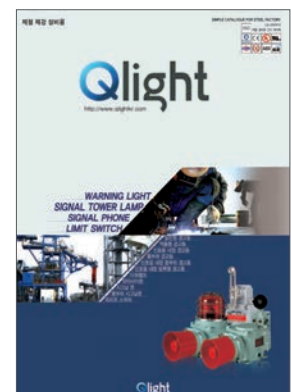
Wireless Network System



Agriculture Machine Warning Light



Limit Switch



For Steel Manufacturing Facilities



FOR YOUR SAFETY

Specification and dimensions listed in this catalogue are subject to change without prior notice for product quality improvement. The newest product information is available on our web site. (www.qlight.com) Please read the Instruction Manual attached to the product carefully before installation and use.

Qlight Catalogue Introduction

Signal Tower Lights

Warning/ Signal & Electric Horn

Vessels and Heavy-Duty & Equipment/ Explosion Proof

Warning Light Bar

Aviation Obstruction Lights

Industrial LED Lights

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WARNING LIGHT | ELECTRONIC HORN | SIGNAL TOWER LIGHT | EMERGENCY LIGHT BAR | LED OBSTRUCTION LIGHT | LED WORK LIGHT

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