LW15 LED Work Light

Products description and application

LW15 series LED work lights adopt engineering machinery lighting technology. Product has features of long lifetime, safety operation, maintenance free by using reliable LED light source, suit for the application of engineering machinery, mining machinery, heavy duty truck, etc.
Standard: GB7000.1/GB2423/DIN40050/GB4208/ IEC60529/ IEC60598/ IEC62262/ EN 55015/ CISPR 15.

Features

- Engineering lighting technology. Product uses reliable and high efficient LED light source, has the advantages of high brightness, long lifetime, energy saving and environment friendly.
- Integrated heat sink and housing design, has advantage of good heat dissipation ability, light weight, strong vibration resistant capacity.
- Special finish technology, product has sealed structure, anti-corrosion and anti-oxidation, suit for strong salinity coastal areas application.
- Integrated lens and housing design, professional light pattern.
- Multi color temperatures for option. Product has high color rendering index with good color rendering, prevent glaring, and improve visibility.
- Instant on/off, turn on in low temperature(-40℃)
- Adjustable mount bracket, range from 0° to 180°
- Wide input voltage range, product has protection circuits of over voltage, over temperature, short circuit, product operates more stable by using constant current design.
- Product has built-in connector, easy to use.
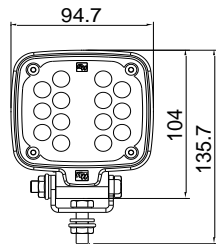
General Specifications

Electrical		Mechanical	
Rated voltage	DC9V-DC14V /DC18V-DC32V	Body material	Aluminum
Rated power consumption	14W 16W 18W	Cover material	PC
Lightning surge	GB/T 17626.2-2006 ±1000V	Operating temperature	Ta -40˚C ~ +85˚C
Electrostatic discharge	GB/T 17626.5-2008 ±8KV	IP rate	IEC60529 IP68/IP69K
EMC	EN 55015/ CISPR 15	Anti-vibration	IEC60598 30G
Connect	Lead wire / connector	Anti-shock	IEC60598 60G
		IK rate	IEC62262 IK08
		Anti-corrosion	ISO9227 720H / C5-M
		Body color	Black
		Weight	0.4kg
		Mount	M10 stainless steel bolt

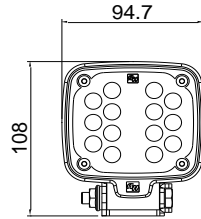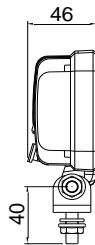| Photometric			
LEDs lifetime	≥50000h		
Color temperature	Cold white: 5700K		Warm white: 2700K
Lumens	Cold white: 1400(14W) /1600lm(16W)/1800lm(18W)		Warm white:950lm(14W) /1050lm(16W)/1200lm(18W)
Beam angle	30°		

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Mounting dimensions

Unit: mm

94.7   46

104   135.7   40

Regular mount

94.7   80.6   46

108   64

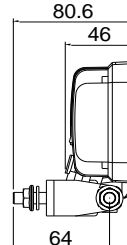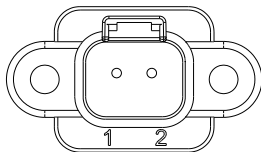**Customized mount**

Installation and operation
• Product has built-in connector, please use Deutsch connector DT06-2S to connect.
• Refer the wiring diagram.
• Fix connector well when connect wires to prevent loose.
• Connect red wire to "+" and black wire to "-" while using lead wire type product.
• Product is maintenance free, please add fuse (3-5A) in power input side.
• Ensure the input voltage is correct.
• Fix product to mount face by using M10 screws, ensure mount surface is flat and has enough mechanical strength. Bracket is 0° ~180° adjustable.
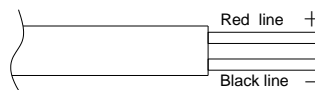
Caution
• Do not reverse connect.
• Fix mount bracket and product well before start to use.
• It is normal phenomenon that the lighting surface temperature rising while it is operating.
• Risk of corrosion. Housing material is polycarbonate, not allowed to direct or indirect contact with industrial spirit banana oil, isopropanol, carbon tetrachloride, cyclohexene, etc organic solvent.
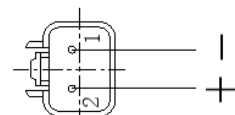
Wiring diagram

1. Connector   2. Lead wire   3. Connector(DT06-2S)

Red line +

Black line —

Built-in connector: 1-"positive" 2-"negative"
（Default factory Settings）
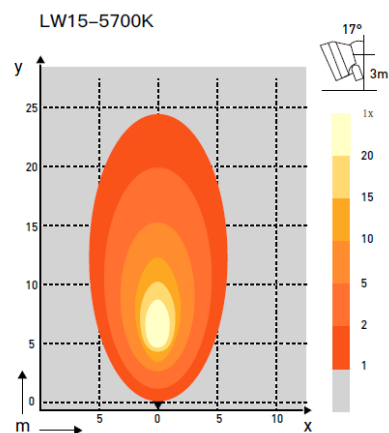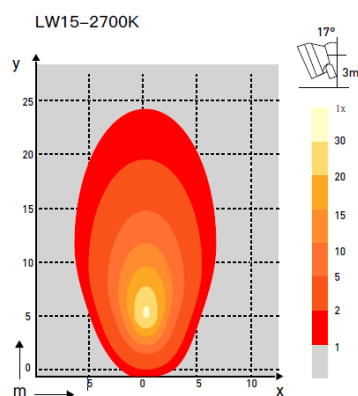Customizable requirements: 1-"negative" 2-"positive"
or other connectors.
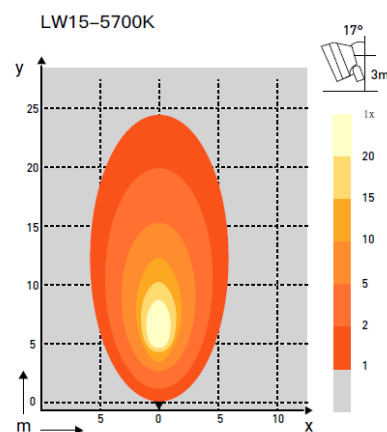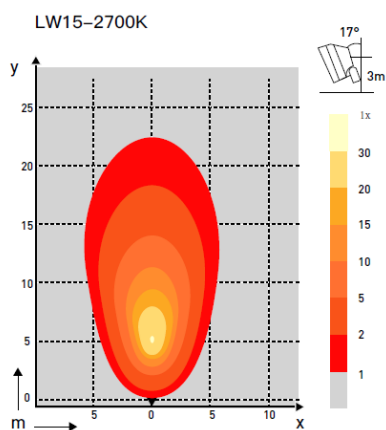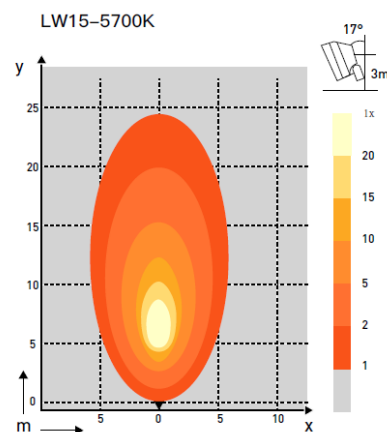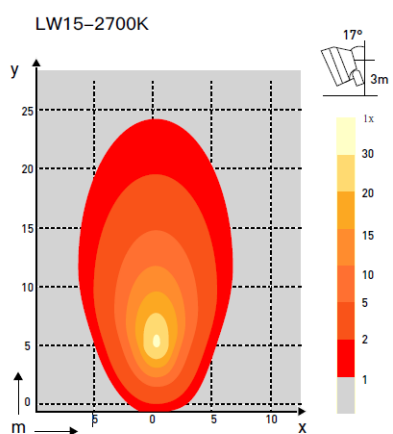
Light distribution pattern

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1.   14W

LW15-2700K

LW15-5700K

2.   16W

LW15-2700K

LW15-5700K

3.   18W

LW15-2700K

LW15-5700K

How to Order

P/N	Power	Voltage	Color temperature	Beam angle	Wiring	Mount	Others
1000306-001	14W	DC12V	2700K	30°	Connector	Vertical mount(adjustable)	
1000306-002	14W	DC12V	5700K	30°	Connector	Vertical mount(adjustable)	
1000306-003	14W	DC24V	2700K	30°	Connector	Vertical mount(adjustable)	

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1000306-004	14W	DC24V	5700K	30°	Connector	Vertical mount(adjustable)	
1000306-005	16W	DC24V	2700K	30°	Connector	Vertical mount(adjustable)	
1000306-006	16W	DC24V	5700K	30°	Connector	Vertical mount(adjustable)	
1000306-007	18W	DC24V	2700K	30°	Connector	Vertical mount(adjustable)	
1000306-008	18W	DC24V	5700K	30°	Connector	Vertical mount(adjustable)	
1000306-009	14W	DC24V	5700K	30°	Connector	Lengthen bracket (adjustable)	Customized