

Features and benefits

1. Energy saving. Reduce the number of luminaires you need, providing excellent efficacy-more light where you need it.
2. Anti-glare. reduces glare in applications where the user may have direct visual contact with the light source.
3. Shock- and vibration-resistant- tempered glass , reduces the risk of premature failure.
4. SEOUL LED source. High efficacy lumen output and high CRI.
5. Driver module assembly -High efficiency LED drivers are designed to provide reliable operation in even the harshest environments.
6. Copper -Free Aluminum enclosure, can endure 10J impact. IP66, can be used in marine and wet locations-robust construction suitable for saltwater and corrosive applications.
7. Different installation methods.
8. Safety chain design. Prevent any fall-off.
9. High power factor, energy saving.
10. Ambient temperature from -20° C to 55° C.

Application:

1. Petroleum Industry, Petrochemical Industry, Metallurgical Industry, Power Generation Industry, Power Transmission Industry, Machine Manufacturing. etc.
2. Drilling platform, single point moorings, oil tanks, workover platform, production platform, field tank, manifold center, pumping station, gasoline station, transformer station, coating plant, warehouse .etc.

Executive standard:

- | | |
|--------------------|----------------------------|
| • IEC 60079-0:2007 | • EN 60079-7:2007 |
| • IEC 60079-1:2007 | • EN 60598-1:2008+A11:2009 |
| • IEC 60079-7:2006 | • EN 55015:2013 |
| • EN 60079-0:2009 | • IEC 62321:2008 |
| • EN 60079-1:2007 | |

Division:

- ATEX Zone 1 & 21 and 2 & 22
- Class I Division 1 & 2 Groups C、D
- Class II Division 1 Groups E、F、G
- Class II Division 2 Groups F、G
- Class III Division 1
- Class III Division 2



Certifications & Ratings:

- Ex d eb II B T6 Gb
- Ex tb IIIC T80°C Db
- ATEX Compliant
- IECEx Compliant
- ABS Compliant
- CE Compliant
- RoHS Compliant
- IP 66 Rated

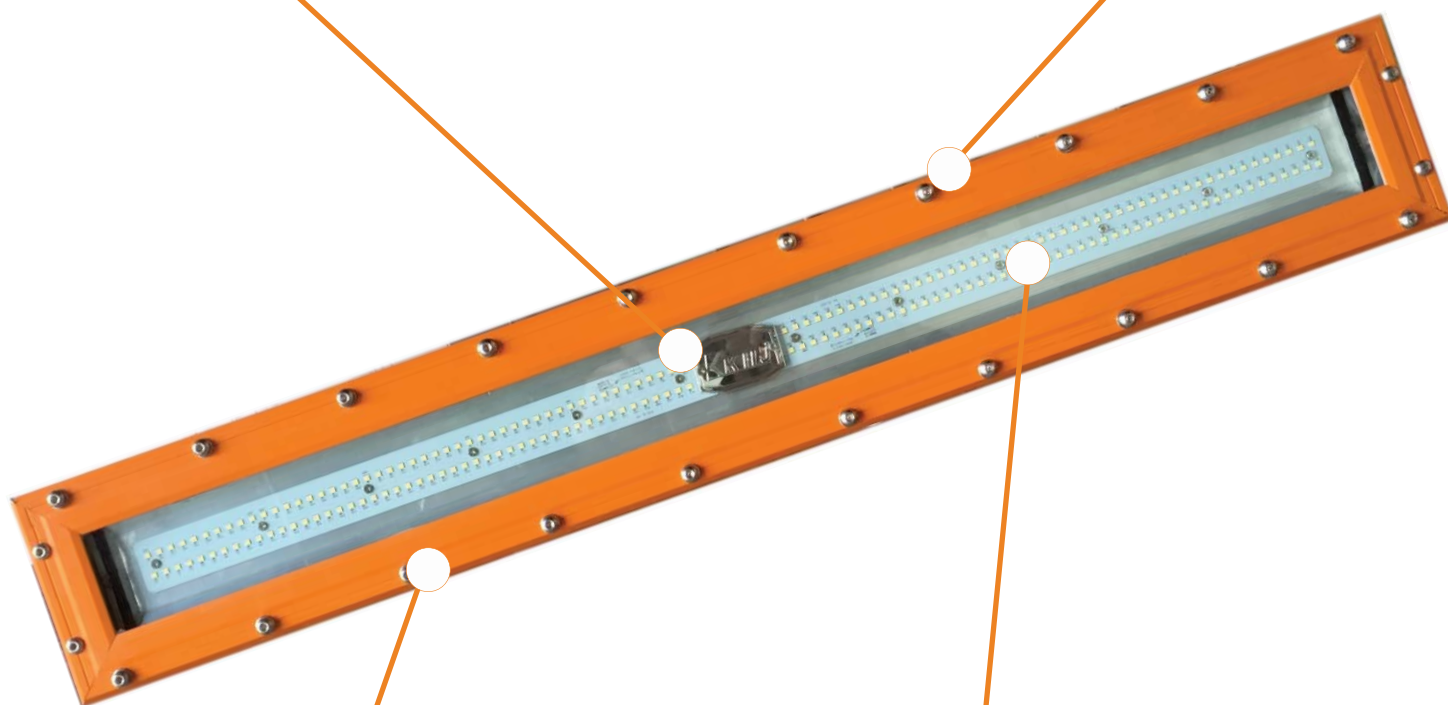
★ CHARACTERISTIC DETAILS



SEOUL LED source ,high efficacy and lumen output.



Industrial aluminium alloy enclosure, high performance of anti- impact. Can endure 10J impact.



Copper -Free Aluminum enclosure , anti-corrosion. Suitable for different application.

LED clung to the enclosure which make heat dissipation fast. Lower the junction Temp.



Characteristic details

★ PERFORMANCE PARAMETER



Product Definition

Ex	K	SF	XX	XX	XX	XX	XX	-XX	-U	-E
Type	Brand	Series	Power	Input voltage	Size(mm) Distribution	Candela	CCT(K)	Type	Type	Area
Ex-Explosion Proof	K-KHJ	SF-Swordfish	18-18W 36-36W 48-48W 56-56W 72-72W	AC-100~277V AH- AC200~277V	600-600mm 1200-900mm H7V7-120°		WM-2700~3300K NH-3700~4300K CH-5400~7000K	ON OFF DL	U-Update	E-English

Main Performance Parameter

Product type		Ex-KSF18600			Ex-KSF36600			Ex-KSF48600		
P/N		Ex-KSF18600H7V7WM-*-U-E			Ex-KSF36600H7V7WM-*-U-E			Ex-KSF48600H7V7WM-*-U-E		
		Ex-KSF18600H7V7NH-*-U-E			Ex-KSF36600H7V7NH-*-U-E			Ex-KSF48600H7V7NH-*-U-E		
		Ex-KSF18600H7V7CH-*-U-E			Ex-KSF36600H7V7CH-*-U-E			Ex-KSF48600H7V7CH-*-U-E		
Power(W)	Normal ondition	18			36			48		
	Emergency	5			5			5		
Color temp.		Warm white	Natural white	Cool white	Warm white	Natural white	Cool white	Warm white	Natural white	Cool white
CCT(K)		2700 ~ 3300	3700 ~ 4300	5400 ~ 7000	2700 ~ 3300	3700 ~ 4300	5400 ~ 7000	2700 ~ 3300	3700 ~ 4300	5400 ~ 7000
CRI		80	80	80	80	80	80	80	80	80
Luminous flux(lm)	Normal ondition	1822	2277	2277	3640	4554	4554	4858	6072	6072
	Emergency	510	630	630	510	630	630	510	630	630
Size (mm)		600*136*85								
Weight (kg)		6.4								
Ex Mark		Ex d eb II B T6 Gb;Ex tb IIIC T80℃ Db								
Temp. Classification		T6								
Rated input voltage(V)		AC 100 ~ 277								
Battery	Rated capacity (Ah)	2.8								
	type	Ni-Cd								
	Lifespan	300 cycles								
	Back up(min)	180								
	Charging time(after full discharge)	12 hours								
Type		ON/OFF/DL								
LED source		SEOUL LED								
Ambient temp. (°C)		-20 ~ +55								
IP Code		IP66								
Cable gland		M25、 NPT 3/4								
Insulation		I								

★ PERFORMANCE PARAMETER



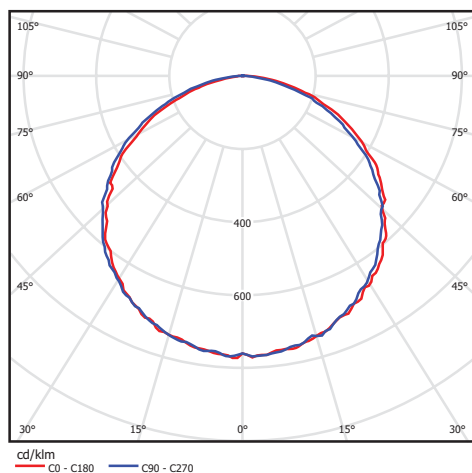
Main Performance Parameter

Product type		Ex-KSF361200			Ex-KSF481200			Ex-KSF561200			Ex-KSF72AH1200		
P/N		Ex-KSF361200H7V7WM-*-U-E			Ex-KSF481200H7V7WM-*-U-E			Ex-KSF561200H7V7WM-*-U-E			Ex-KSF72AH1200H7V7WM-*-U-E		
		Ex-KSF361200H7V7NH-*-U-E			Ex-KSF481200H7V7NH-*-U-E			Ex-KSF561200H7V7NH-*-U-E			Ex-KSF72AH1200H7V7NH-*-U-E		
		Ex-KSF361200H7V7CH-*-U-E			Ex-KSF481200H7V7CH-*-U-E			Ex-KSF561200H7V7CH-*-U-E			Ex-KSF72AH1200H7V7CH-*-U-E		
Power (W)	Normal condition	36			48			56			72		
	Emergency	5			5			5			5		
Color temp.		Warm white	Natural white	Cool white	Warm white	Natural white	Cool white	Warm white	Natural white	Cool white	Warm white	Natural white	Cool white
CCT(K)		2700 ~ 3300	3700 ~ 4300	5400 ~ 7000	2700 ~ 3300	3700 ~ 4300	5400 ~ 7000	2700 ~ 3300	3700 ~ 4300	5400 ~ 7000	2700 ~ 3300	3700 ~ 4300	5400 ~ 7000
CRI		80	80	80	80	80	80	80	80	80	80	80	80
Luminous flux(lm)	Normal condition	3640	4554	4554	4858	6072	6072	5667	7084	7084	7286	9108	9108
	Emergency	510	630	630	510	630	630	510	630	630	510	630	630
Size (mm)		900*136*85											
Weight (kg)		9.1											
Ex Mark		Ex d eb II B T6 Gb;Ex tb IIIC T80℃ Db											
Temp. Classification		T6											
Rated input voltage(V)		AC 100 ~ 277									AC200 ~ 277		
Battery	Rated capacity (Ah)	2.8											
	type	Ni-Cd											
	Lifespan	300 cycles											
	Back up(min)	180											
	Charging time(after full discharge)	12 hours											
Type		ON/OFF/DL											
LED source		SEOUL LED											
Ambient temp. (°C)		-20 ~ +55											
IP Code		IP66											
Cable gland		M25、NPT 3/4											
Insulation		I											

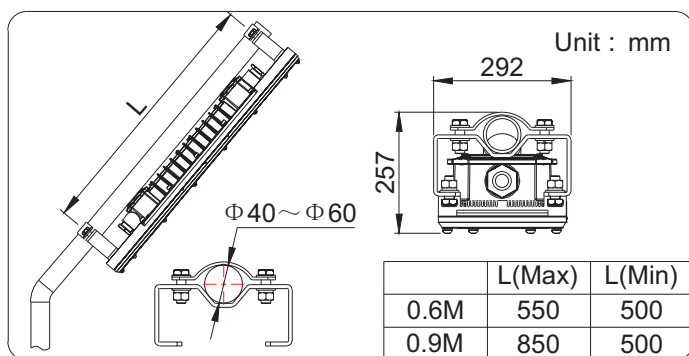
★ INSTALLATION METHOD



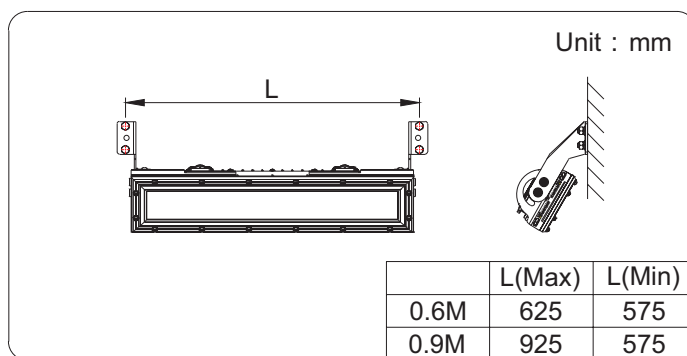
Candela Distribution



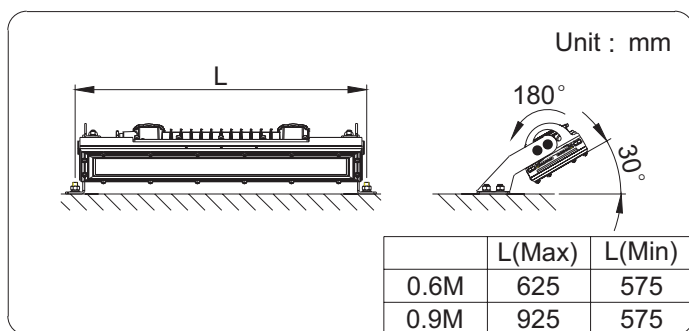
Installation method



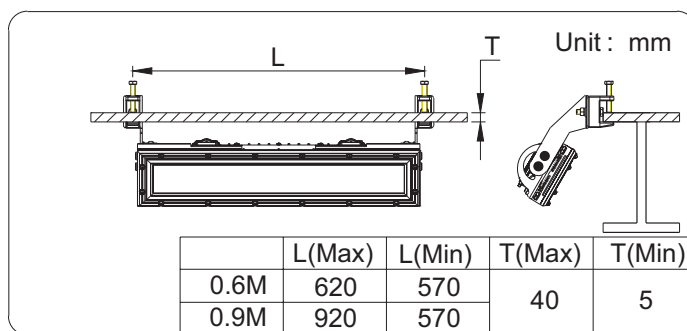
Pipe clamp



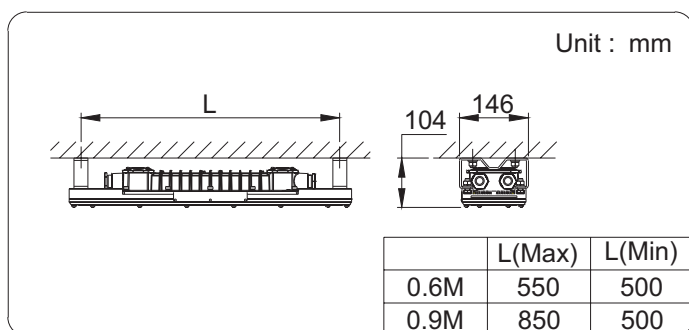
Wall mount



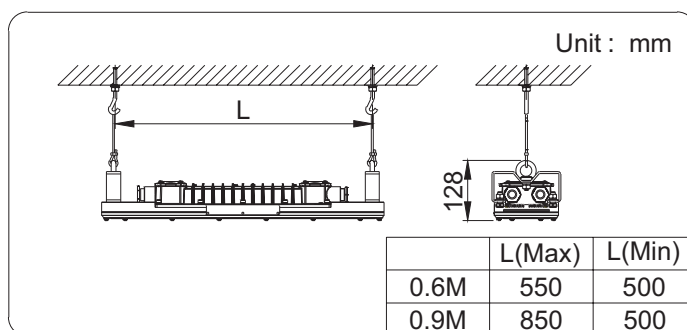
Stanchion mount



Clamp mount



Ceiling Mount

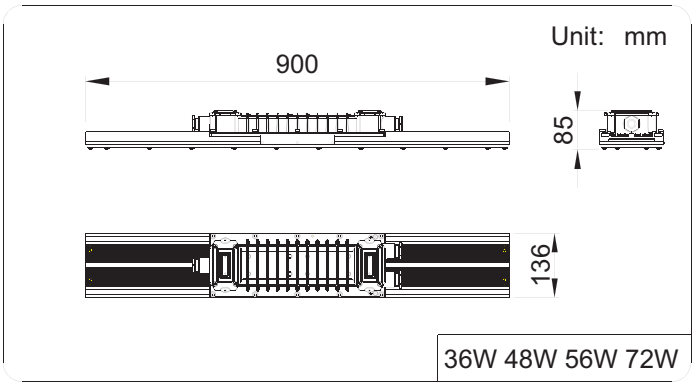
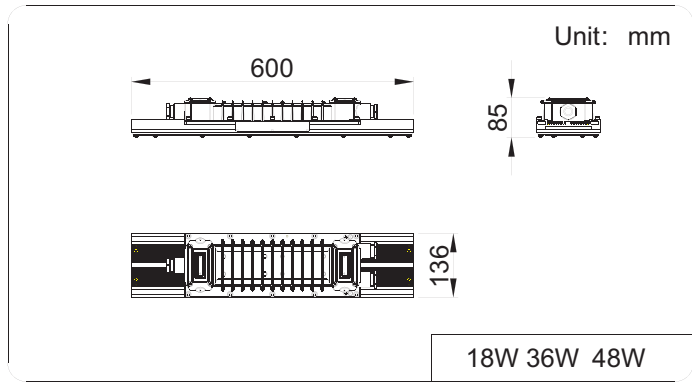


Pendant Mount

★ ACCESSORIES



Size



Optional parts

NO.	Installation accessories		Material	Weight (Unit: kg)	QTY	Remarks
1	Bracket		Q235	0.8	2	/
2	Loop		Q235	1.2	2	/
3	Pipe Clamp		Q235	1.8	2	/
4	Stanchion bracket		Q235	2.6	2	/
5	Clamp mount		Q235	3.0	2	/

Accessories

