

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.

Applications:

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 Divison 1&2 Groups C、 D
- Class II Divison 1 Groups E、 F、 G
- Class II Divison 2 Groups F、 G
- Class III Divison 1
- Class III Divison 2



Certifications & Ratings:

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

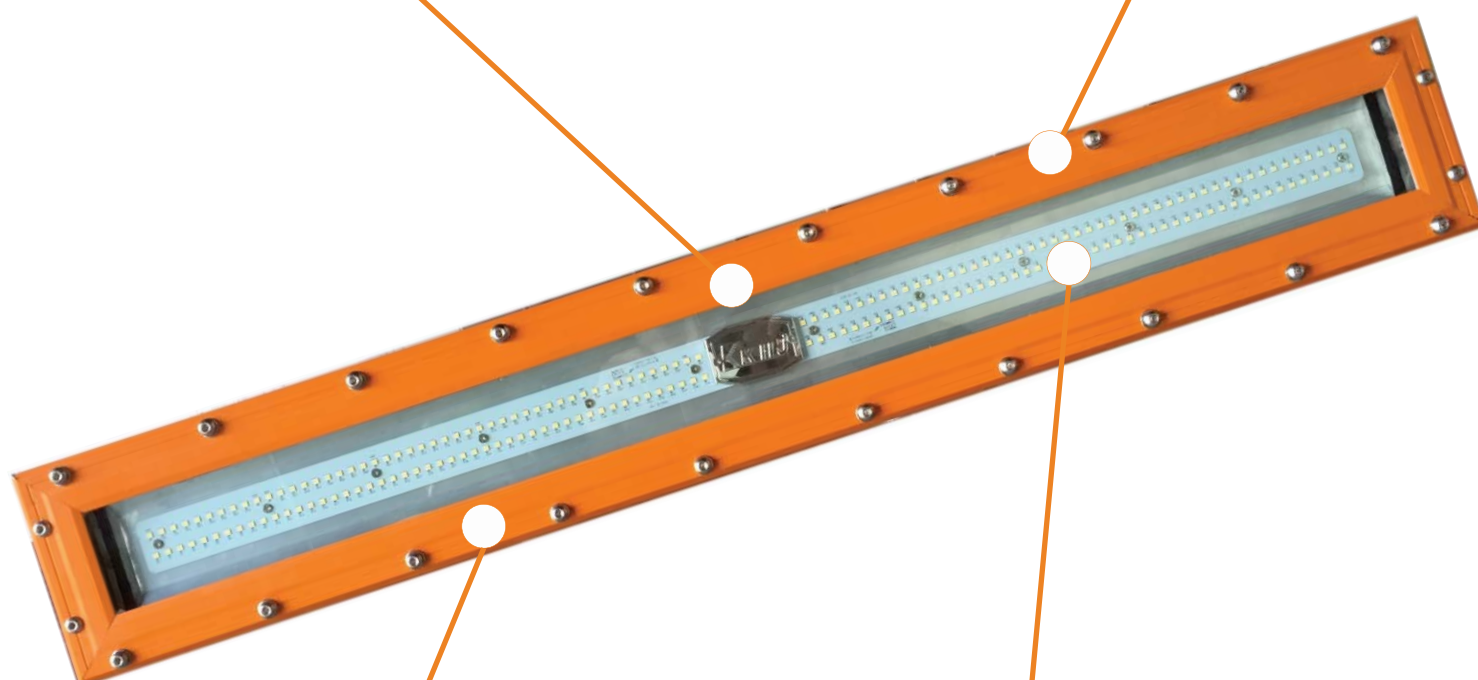
★ CHARACTERISTIC DETAILS



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.

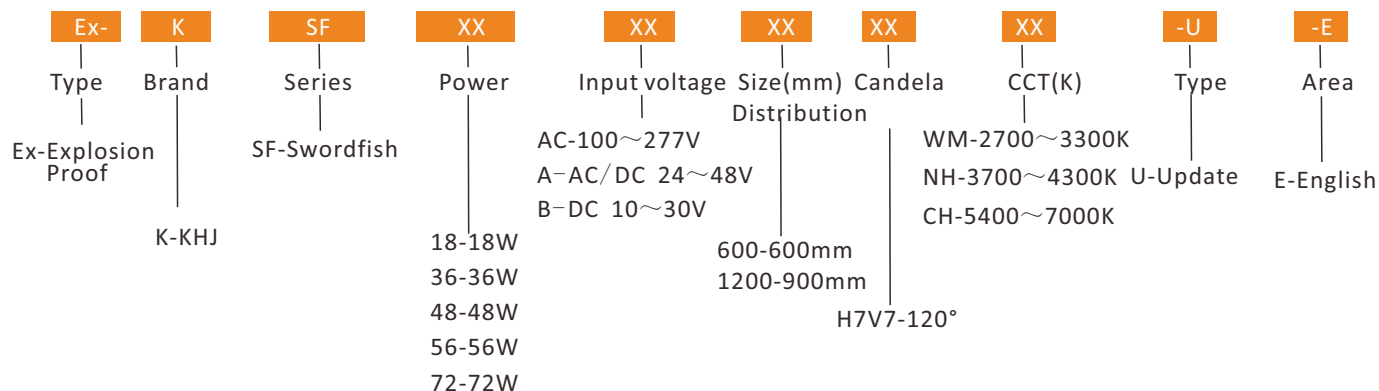


Characteristic details

★ PERFORMANCE PARAMETER



Product Definition



Electrical Parameter:

Product type	Rated input voltage (VAC)	Rated input voltage (VDC)	Rated input current (A)	Frequency (Hz)	Rated power (W)	LED input current (mA)	PF	THD
Ex-KSF18600	100~277	/	0.18~0.07	50/60	18	60	> 0.98	<10%
Ex-KSF18A600	24~48	24~48	0.77~0.38	/	18	60	/	/
Ex-KSF18B600	/	10~30	1.84~0.61	/	18	60	/	/
Ex-KSF36600	100~277	/	0.37~0.13	50/60	36	60	> 0.98	<10%
Ex-KSF36A600	24~48	24~48	1.53~0.77	/	36	60	/	/
Ex-KSF36B600	/	10~30	3.67~1.22	/	36	60	/	/
Ex-KSF48600	100~277	/	0.49~0.18	50/60	48	60	> 0.98	<10%
Ex-KSF48A600	24~48	24~48	2.04~1.02	/	48	60	/	/
Ex-KSF48B600	/	10~30	4.9~1.63	/	48	60	/	/
Ex-KSF361200	100~277	/	0.37~0.13	50/60	36	60	> 0.98	<10%
Ex-KSF36A1200	24~48	24~48	1.53~0.77	/	36	60	/	/
Ex-KSF36B1200	/	10~30	3.67~1.22	/	36	60	/	/
Ex-KSF481200	100~277	/	0.49~0.18	50/60	48	60	> 0.98	<10%
Ex-KSF48A1200	24~48	24~48	2.04~1.02	/	48	60	/	/
Ex-KSF48B1200	/	10~30	4.9~1.63	/	48	60	/	/
Ex-KSF561200	100~277	/	0.57~0.21	50/60	56	65	> 0.98	<10%
Ex-KSF56A1200	24~48	24~48	2.38~1.19	/	56	65	/	/
Ex-KSF56B1200	/	10~30	5.71~1.9	/	56	65	/	/
Ex-KSF721200	100~277	/	0.73~0.27	50/60	72	60	> 0.98	<10%
Ex-KSF72A1200	24~48	24~48	3.06~1.53	/	72	60	/	/
Ex-KSF72B1200	/	10~30	7.35~2.45	/	72	60	/	/

★ PERFORMANCE PARAMETER



Performance Parameter

Product type	P/N	Color temp.	CCT(K)	CRI	Luminous flux(lm)	Beam angle (°)
Ex-KSF18*600	Ex-KSF18*600H7V7WM-U-E	Warm white	2700~3300	80	1822	120
	Ex-KSF18*600H7V7NH-U-E	Natural white	3700~4300	80	2277	120
	Ex-KSF18*600H7V7CH-U-E	Cool white	5400~7000	80	2277	120
Ex-KSF36*600	Ex-KSF36*600H7V7WM-U-E	Warm white	2700~3300	80	3640	120
	Ex-KSF36*600H7V7NH-U-E	Natural white	3700~4300	80	4554	120
	Ex-KSF36*600H7V7CH-U-E	Cool white	5400~7000	80	4554	120
Ex-KSF48*600	Ex-KSF48*600H7V7WM-U-E	Warm white	2700~3300	80	4858	120
	Ex-KSF48*600H7V7NH-U-E	Natural white	3700~4300	80	6072	120
	Ex-KSF48*600H7V7CH-U-E	Cool white	5400~7000	80	6072	120
Ex-KSF36*1200	Ex-KSF36*1200H7V7WM-U-E	Warm white	2700~3300	80	3640	120
	Ex-KSF36*1200H7V7NH-U-E	Natural white	3700~4300	80	4554	120
	Ex-KSF36*1200H7V7CH-U-E	Cool white	5400~7000	80	4554	120
Ex-KSF48*1200	Ex-KSF48*1200H7V7WM-U-E	Warm white	2700~3300	80	4858	120
	Ex-KSF48*1200H7V7NH-U-E	Natural white	3700~4300	80	6072	120
	Ex-KSF48*1200H7V7CH-U-E	Cool white	5400~7000	80	6072	120
Ex-KSF56*1200	Ex-KSF56*1200H7V7WM-U-E	Warm white	2700~3300	80	5667	120
	Ex-KSF56*1200H7V7NH-U-E	Natural white	3700~4300	80	7084	120
	Ex-KSF56*1200H7V7CH-U-E	Cool white	5400~7000	80	7084	120
Ex-KSF72*1200	Ex-KSF72*1200H7V7WM-U-E	Warm white	2700~3300	80	7286	120
	Ex-KSF72*1200H7V7NH-U-E	Natural white	3700~4300	80	9108	120
	Ex-KSF72*1200H7V7CH-U-E	Cool white	5400~7000	80	9108	120

Remarks: *Stands for Rated input voltage, including Default -AC-100~277V,A-AC/DC 24~48V,B-DC 10~30V.

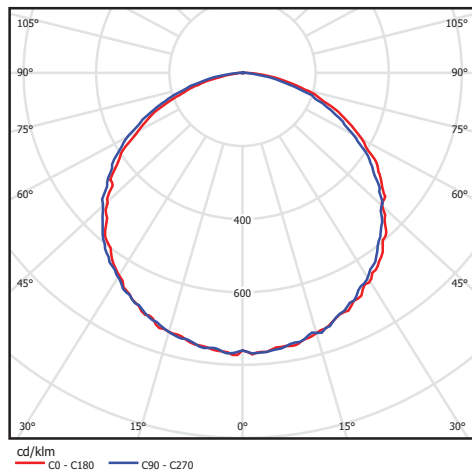
Other parameter

Product type	Size (mm)	Weight (Kg)	Ambient temp (°C)	Max. surface temp.(test in 25°C)	Temp.classification	IP Code	Insulation
Ex-KSF18600*-U	600*136*85	6.4	-20~+55	33	T6	IP66	I
Ex-KSF36600*-U	600*136*85	6.4	-20~+55	37	T6	IP66	I
Ex-KSF48600*-U	600*136*85	6.4	-20~+55	48	T6	IP66	I
Ex-KSF361200*-U	900*136*85	8.7	-20~+55	37	T6	IP66	I
Ex-KSF481200*-U	900*136*85	8.7	-20~+55	39	T6	IP66	I
Ex-KSF561200*-U	900*136*85	8.7	-20~+55	42	T6	IP66	I
Ex-KSF721200*-U	900*136*85	8.7	-20~+55	46	T6	IP66	I

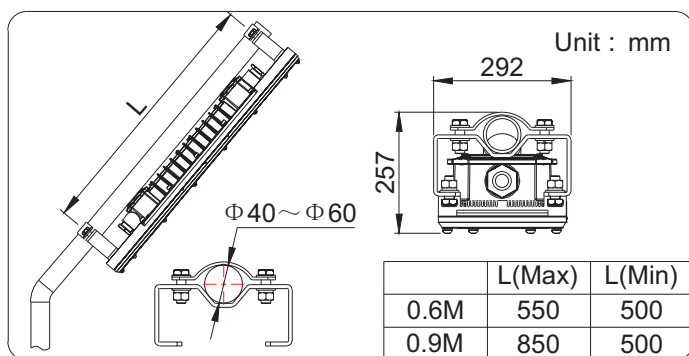
★ INSTALLATION METHOD



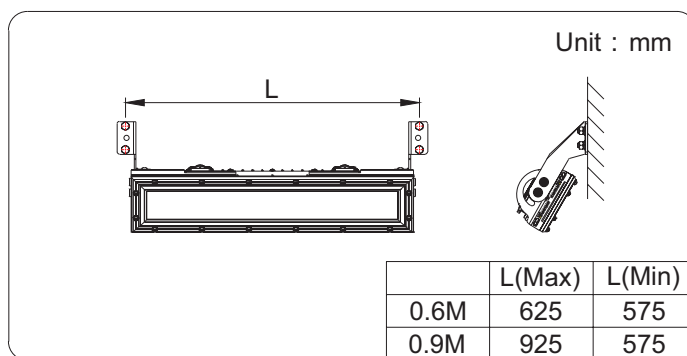
Candela Distribution



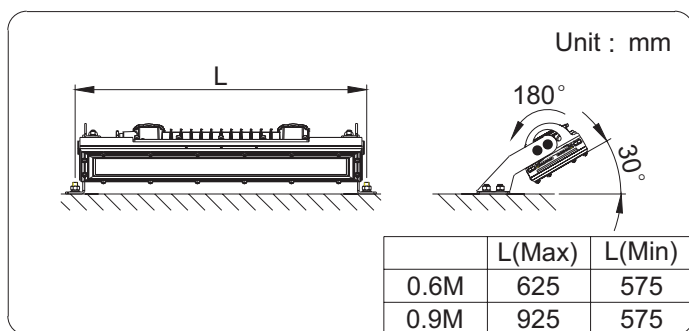
Installation method



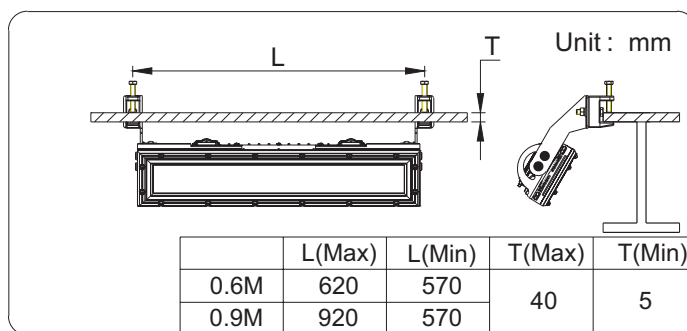
Pipe clamp



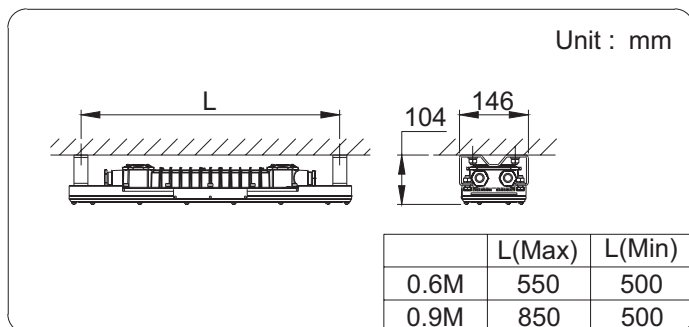
Wall mount



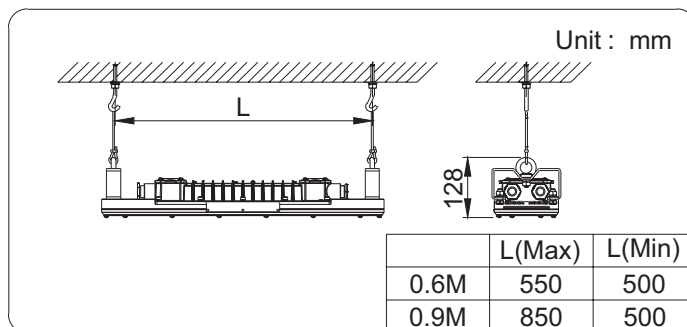
Stanchion mount



Clamp mount



Ceiling Mount

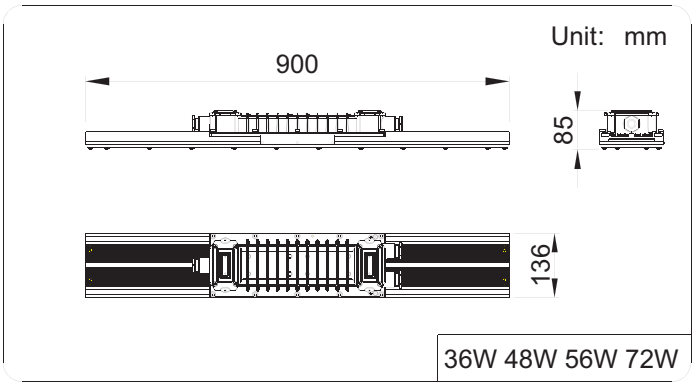
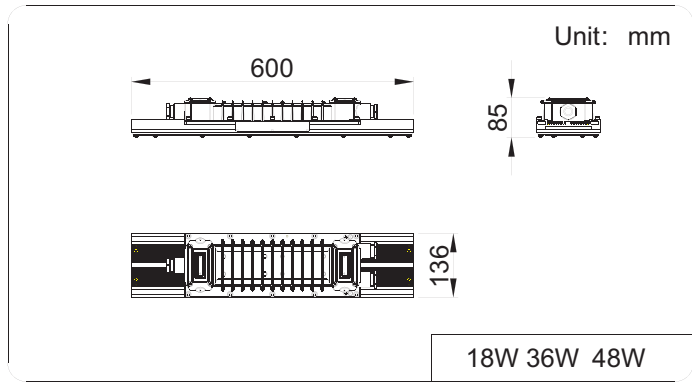


Pendant Mount

★ 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

