

LF30Series LED Flood Light



Products description and application

LF30 series high power LED flood lights use high grade international brand LED light source and drivers, provide stable and durable lighting for Port, Mine site, Offshore, etc outdoor very harsh environment.

Standard: IEC60598-1/IEC60068-2/IEC60529/IEC62262/UL1598/EN55015

Certification: UL&cUL / SAA / CE(TUV)



Features

- Integrated die cast body, superb mechanical strength achieve 5G vibration resistant capacity.
- Professional fin type heat dissipation design, guarantee LEDs life span.
- 2 degree tilt angle structure design, prevent water and dust accumulation.
- Module design balance the temperature and pressure interior and exterior of the product, protect LEDs devices.
- International brand LED light source and drivers guarantee product stability and durability.
- Tempered glass cover with IK08 rate.
- Various beam angle for optional.
- SS safety wire design, improve product safety level.

General Specifications

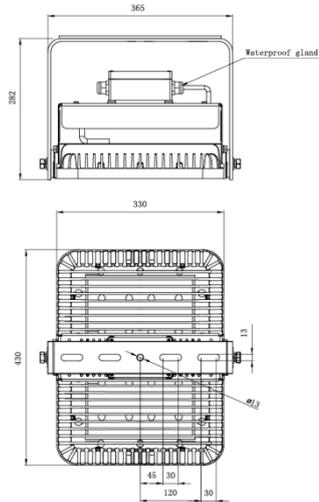
Electrical		Mechanical	
Rated voltage	AC100V~AC240V	Body material	Aluminum alloy
Frequency	50Hz~60Hz	Cover material	Tempered glass
Rated power consumption	250W 200W 150W 100W	Safety wire material	Stainless steel
Power factor	>0.9	Operating temperature	Ta-30°C ~ +60°C(overheat protection)
Lightning surge	GB/T 17626.5-2008±2KV	IP Rate	IEC60529 IP65
Electrostatic discharge	GB/T 17626.2-2008± 6KV	Anti-vibration	IEC60068 5G
EMC	GB/T 17626.5-2008	IK rate	IEC62262 IK08
	GB/T 17626.2-2008	Salt spray rate	ISO9227 720H
	GB/T 17626.4-2008	Body color	Silver
		Weight	13 kg
Photometric			
LEDs life span	≥50000h		
Color temperature	Cold white: 5500K-6000K	Warm white: 2700K-3000K	
Lumen per Watt	Cold white: ≥ 115 lm/w	Warm white: ≥100 lm/w	
CRI	Cold white: Ra≥70	Warm white: Ra≥80	
Beam angle	15°/25°/60°for option		

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Mounting dimensions

Unit: mm

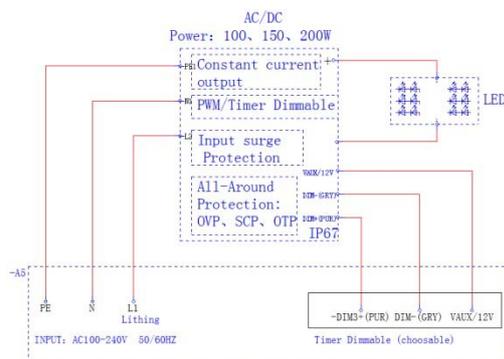


Installation and Operation

- Fix product to mount face by using M10 screws(not provided), ensure mount surface is flat and has enough mechanical strength.
- Secure safety wire to suitable position, ensure the position has enough mechanical strength.
- Connect cable L, N, PE to terminal blocks.
- Ensure cable connection is correct before power on.
- Cable is 16AWG three-core at least.
- No requirement of installation height.

Wiring diagram

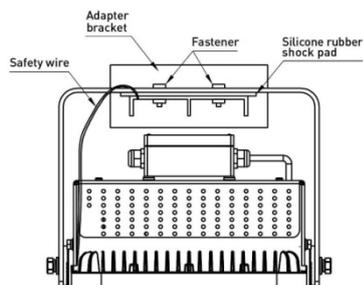
Internal wiring (Lead wire type)



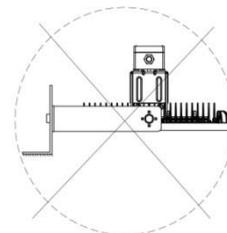
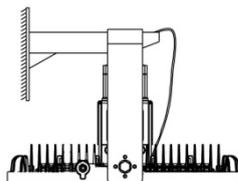
Caution

- High power LED light has high temperature on product surface while operating, do not cover the product with any objectives. It is suggest the distance more than 3 meters between product and illuminated objective, prevent burns or fire.
- It is normal phenomenon that the lighting surface temperature rising while it is operating.
- Turn off the power when repair or maintain the product, all wiring should be done by a licensed electrician.

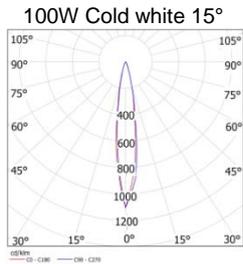
Recommended installation:



Not recommended:



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100W Cold white 15°

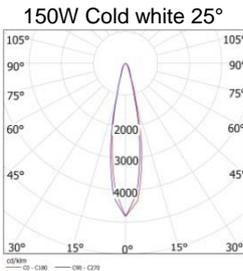
1.1m	57650, 82051lx	27.35cm
2m	14412, 20513lx	54.69cm
3m	6404, 8117lx	82.04cm
4m	3603, 5128lx	109.39cm
5m	2304, 3182lx	136.73cm

150W Cold white 15°

1.1m	83442, 116581lx	27.54cm
2m	20861, 29145lx	55.08cm
3m	9271, 12853lx	82.63cm
4m	5219, 7286lx	110.17cm
5m	3339, 4663lx	137.71cm

200W Cold white 15°

1.21m	90989, 128769lx	32.43cm
2m	33477, 47852lx	53.20cm
3m	14879, 21268lx	79.80cm
4m	8369, 11963lx	106.40cm
5m	5354, 7454lx	133.00cm



100W Cold white 25°

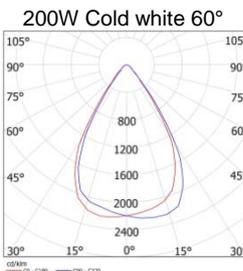
1.1m	32898, 46493lx	43.45cm
2m	8225, 11623lx	86.90cm
3m	3658, 5164lx	130.35cm
4m	2056, 2904lx	173.80cm
5m	1316, 1860lx	217.25cm

150W Cold white 25°

1.1m	47193, 67636lx	42.81cm
2m	11798, 16909lx	85.62cm
3m	5244, 7515lx	128.43cm
4m	3050, 4271lx	171.24cm
5m	1989, 2705lx	214.05cm

200W Cold white 25°

1.21m	53592, 78050lx	45.35cm
2m	19916, 28004lx	74.40cm
3m	8851, 12891lx	111.60cm
4m	4979, 7251lx	148.80cm
5m	3186, 4461lx	186.00cm



100W Cold white 60°

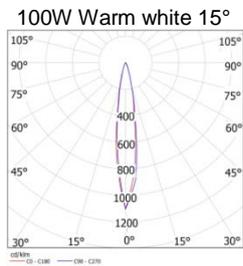
1.1m	6190, 9892lx	131.54cm
2m	1547, 2473lx	263.09cm
3m	687.8, 1099lx	394.63cm
4m	386.9, 619.2lx	526.17cm
5m	247.4, 398.7lx	657.71cm

150W Cold white 60°

1.1m	9043, 14498lx	128.39cm
2m	2261, 3625lx	256.78cm
3m	1005, 1611lx	385.17cm
4m	565.2, 896.1lx	513.56cm
5m	361.7, 579.1lx	641.95cm

200W Cold white 60°

1.21m	9405, 14626lx	151.47cm
2m	3495, 5435lx	248.48cm
3m	1553, 2416lx	372.72cm
4m	873.8, 1359lx	496.97cm
5m	559.2, 869.4lx	621.20cm



100W Warm white 15°

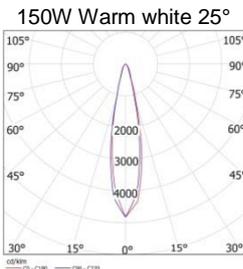
1.1m	33274, 47004lx	33.62cm
2m	12365, 17467lx	55.15cm
3m	5496, 7763lx	82.73cm
4m	3091, 4367lx	110.31cm
5m	1978, 2796lx	137.89cm

150W Warm white 15°

1.1m	33274, 47004lx	33.62cm
2m	12365, 17467lx	55.15cm
3m	5496, 7763lx	82.73cm
4m	3091, 4367lx	110.31cm
5m	1978, 2796lx	137.89cm

200W Warm white 15°

1.1m	67171, 82061lx	32.52cm
2m	21249, 30549lx	53.34cm
3m	9442, 13577lx	80.01cm
4m	5311, 7637lx	106.68cm
5m	3399, 4898lx	133.35cm



100W Warm white 25°

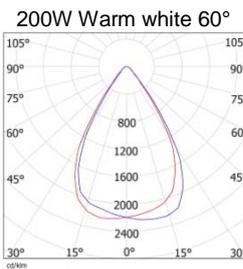
1.1m	17492, 25366lx	52.17cm
2m	6500, 9426lx	85.58cm
3m	2889, 4189lx	128.37cm
4m	1625, 2357lx	171.17cm
5m	1040, 1499lx	213.94cm

150W Warm white 25°

1.1m	23057, 33610lx	51.93cm
2m	8568, 12490lx	85.18cm
3m	3808, 5551lx	127.97cm
4m	2142, 3122lx	170.36cm
5m	1371, 1998lx	213.95cm

200W arm white 25°

1.1m	32454, 46896lx	52.37cm
2m	12040, 17427lx	85.91cm
3m	5360, 7745lx	128.67cm
4m	3015, 4357lx	171.62cm
5m	1989, 2796lx	214.76cm



100W Warm white 60°

1.1m	3600, 5817lx	154.26cm
2m	1338, 2162lx	253.05cm
3m	594.6, 940.7lx	379.58cm
4m	334.4, 540.4lx	506.11cm
5m	214.0, 348.9lx	632.63cm

150W Warm white 60°

1.1m	4782, 7793lx	152.45cm
2m	1777, 2896lx	250.08cm
3m	789.7, 1247lx	375.12cm
4m	444.2, 724.0lx	500.16cm
5m	284.3, 463.0lx	625.20cm

200W arm white 60°

1.1m	6951, 11070lx	146.13cm
2m	2593, 4114lx	239.72cm
3m	1148, 1828lx	359.58cm
4m	645.9, 1028lx	479.63cm
5m	413.3, 669.2lx	599.29cm

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How to Order

P/N	Power	Voltage	Color temperature	Beam angle	Wiring	Mount
1000085-002	150W	100-240VAC	5500K-6000K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-003	150W	100-240VAC	5500K-6000K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-004	150W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-005	150W	100-240VAC	5500K-6000K	140°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-006	150W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-008	200W	100-240VAC	5500K-6000K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-009	200W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-010	150W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-018	100W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-020	100W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-023	150W	100-240VAC	5500K-6000K	25°	Two meters Lead wire	6mm cold-rolled plate (powder-coated)
1000085-024	150W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-025	100W	100-240VAC	<2600K (90lm/W)	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-026	150W	100-240VAC	<2600K (90lm/W)	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-027	200W	100-240VAC	5500K-6000K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-028	100W	100-240VAC	2700K	60°	Two M20*1.5 metal cable gland (wire diameter 9-14mm, Spring Cage Terminals)	6mm SS304
1000085-030	100W	100-240VAC	5500K-6000K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-029	150W	100-240VAC	5500K-6000K	25°	Two M20*1.5 metal cable gland (wire diameter 9-14mm, Spring Cage Terminals)	6mm SS304
1000085-032	100W	100-240VAC	5500K-6000K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-031	200W	100-240VAC	5500K-6000K	140°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-033	150W	100-240VAC	4000K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-034	200W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm cold-rolled plate (powder-coated)
1000085-035	150W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-036	200W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-037	150W	100-240VAC	<2600K (90lm/W)	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	No bracket
1000085-038	100W	100-240VAC	<2600K (90lm/W)	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	No bracket
1000085-039	150W	100-240VAC	2700K	25°	Two M20*1.5 metal cable gland (wire diameter 9-14mm, Spring Cage Terminals)	6mm SS304
1000085-040	150W	100-240VAC	2700K	60°	Two M20*1.5 metal cable gland (wire diameter 9-14mm, Spring Cage Terminals)	6mm SS304
1000085-041	100W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-043	100W	100-240VAC	2600K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-042	150W	100-240VAC	5500K-6000K	60°	Two M20*1.5 metal cable gland (wire diameter 9-14mm, Spring Cage Terminals)	6mm SS304
1000085-048	100W	100-240VAC	5500K-6000K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304

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1000085-044	150W	100-240VAC	2600K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-049	100W	100-240VAC	2700K	60°	Two M20*1.5 metal cable gland (wire diameter 9-14mm, Spring Cage Terminals)	6mm SS304
1000085-045	80W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-046	120W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-047	150W	100-240VAC	<2600K (90lm/W)	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-050	200W	100-240VAC	5500K-6000K	140°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-051	150W	100-240VAC	2700K	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-052	200W	100-240VAC	5500K-6000K	25°	Two M20*1.5 metal cable gland (wire diameter 9-14mm, Spring Cage Terminals)	6mm SS304
1000085-053	200W	100-240VAC	<2600K (90lm/W)	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-054	200W	100-240VAC	<2600K (90lm/W)	60°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-055	200W	100-240VAC	5500K-6000K	60°	UL certified one M20*1.5 Nylon cable gland (wire diameter 7-11mm)	6mm SS304
1000085-056	200W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304
1000085-057	200W	100-240VAC	2700K	25°	One M20*1.5 metal cable gland (wire diameter 9-14mm)	6mm SS304

Thanks for choosing our products, NANHUA Electronics is the professional brand of signal transmission and high quality industrial lighting which is trusted and loved by global users from various industries. Read and understand these instructions completely and carefully. Wrong installation and operation may lead to fires, electric shock, and others. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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