

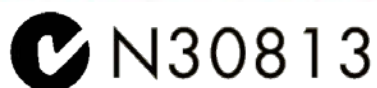
SPECIFICATION

Product: 70W Flood Light

Product No: PLFM071

Document Version: 1.0

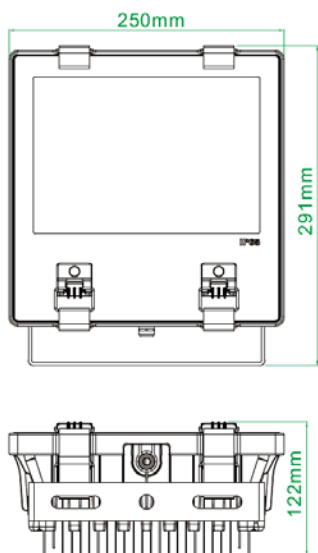
Date: 10/08/2013



PLFM071 Flood Light

PRODUCT FEATURES

- ☆ Adopting modern aesthetic streamline design, compact in structure and nice in appearance.
- ☆ Reliable aluminium alloy corrugated-fin composition, increasing the cooling area capacity and reducing the weight of the fitting.
- ☆ Adopting a high-quality-high-efficiency constant current driver, to ensure the products' stability, also to reduce the power consumption greatly.



- ☆ High-quality SMD LED light source. Long life (50,000+ hrs)
Low operating temperatures.

No flickering, helpful to protect the eyes.

- ☆ No mercury or lead. No UV. No infrared or harmful radiation.

Widely used in plant lighting ,supermarket lighting, stadium lighting ,municipal project lighting, Convention Center lighting, etc.



SPECIFICATION

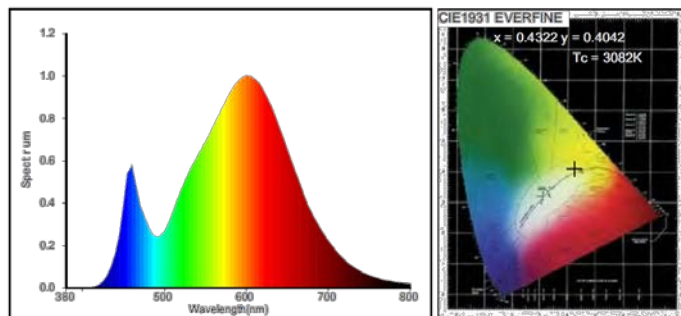
Item No	specification	input voltage	input power	power Factor	CCT	luminous flux	CRI	beam angle
F M071	70W	AC100-240V(50/60HZ)	70W	≥0.95	WW (3000K)	4900LM	Ra80	100°
F M071	70W	AC100-240V(50/60HZ)	70W	≥0.95	NW (4000K)	5250LM	Ra80	100°
F M071	70W	AC100-240V(50/60HZ)	70W	≥0.95	PW (6000K)	5600LM	Ra80	100°

NOTE:

- 1: Categorizing different lighting) : WW (2700-3300K) NW (3800-4300K) PW (5700-6500K). Can supply the other red/yellow/blue/green color.
- 2: input power tolerance for ±10%.
- 3: luminous flux tolerance for ±10%.

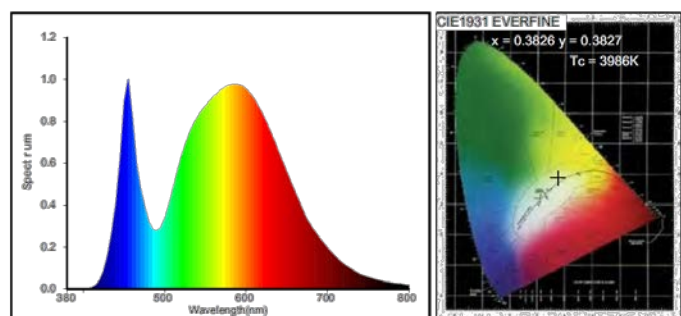
PLFM071 Flood Light

LIGHT CHARACTERISTICS



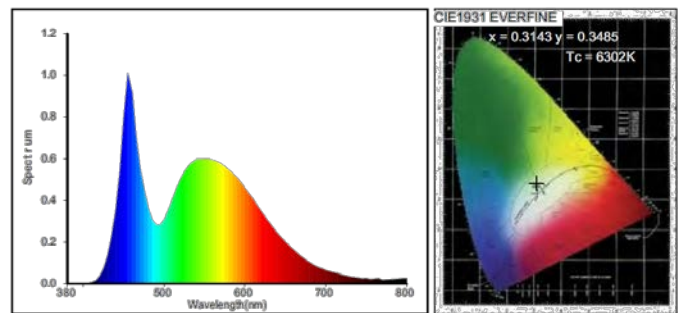
Color Parameters:

Chromaticity Coordinate: $x=0.4322$ $y=0.4042$ $u'=0.2475$ $v'=0.5207$
 Tc=3082K Dominant WL:Ld=582.2nm Purity=51.1% Centroid WL:590.0nm
 Ratio:R=23.8% G=73.6% B=2.6% Peak WL:Lp=600.0nm HWL:139.1nm
 Render Index:Ra=81.7
 R1=80 R2=90 R3=97 R4=77 R5=79 R6=86 R7=84
 R8=61 R9=12 R10=76 R11=72 R12=63 R13=82 R14=98 R15=74



Color Parameters:

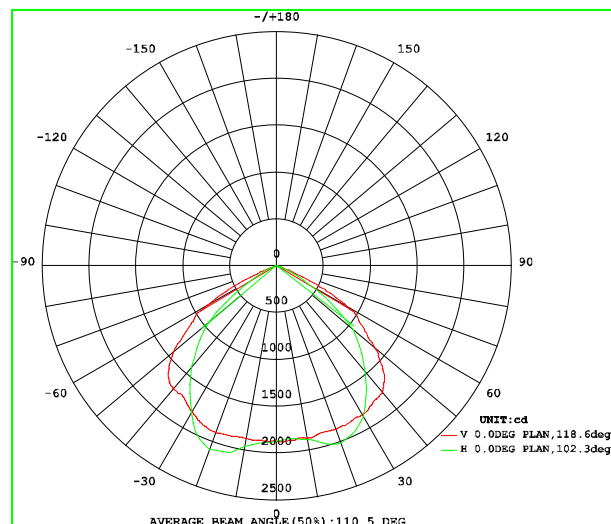
Chromaticity Coordinate: $x=0.3826$ $y=0.3827$ $u'=0.2242$ $v'=0.5045$
 Tc=3986K Dominant WL:Ld=578.0nm Purity=29.7% Centroid WL:573.0nm
 Ratio:R=19.2% G=77.7% B=3.1% Peak WL:Lp=455.0nm HWL:26.9nm
 Render Index:Ra=79.8
 R1=78 R2=86 R3=91 R4=77 R5=76 R6=79 R7=87
 R8=65 R9=7 R10=64 R11=72 R12=51 R13=79 R14=95 R15=73



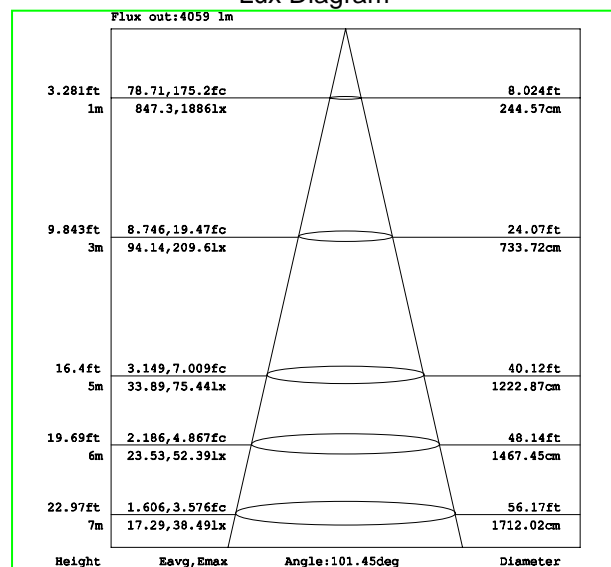
Color Parameters:

Chromaticity Coordinate: $x=0.3143$ $y=0.3485$ $u'=0.1918$ $v'=0.4786$
 Tc=6302K Dominant WL:Ld=502.4nm Purity=5.8% Centroid WL:543.0nm
 Ratio:R=13.2% G=81.7% B=5.2% Peak WL:Lp=455.0nm HWL:26.4nm
 Render Index:Ra=80.6
 R1=72 R2=85 R3=91 R4=72 R5=75 R6=80 R7=86
 R8=65 R9=-23 R10=64 R11=67 R12=57 R13=75 R14=95 R15=70

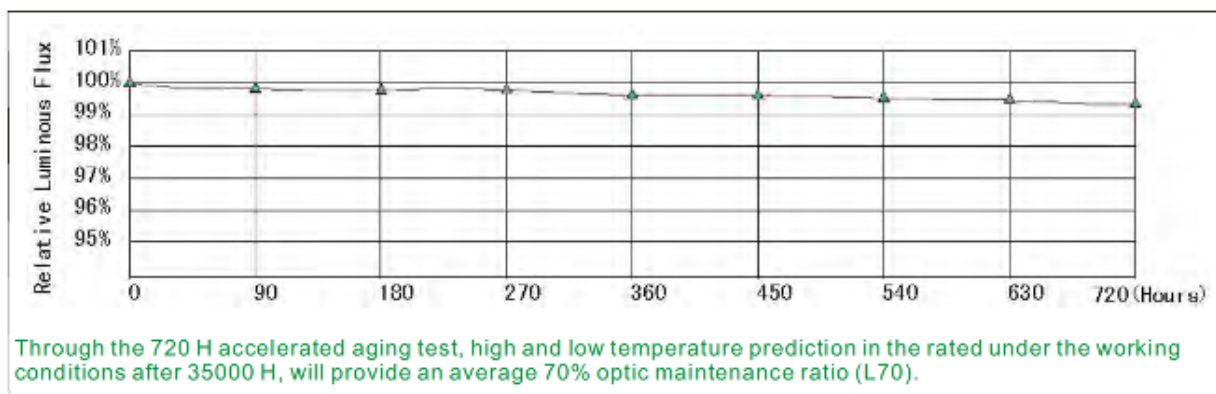
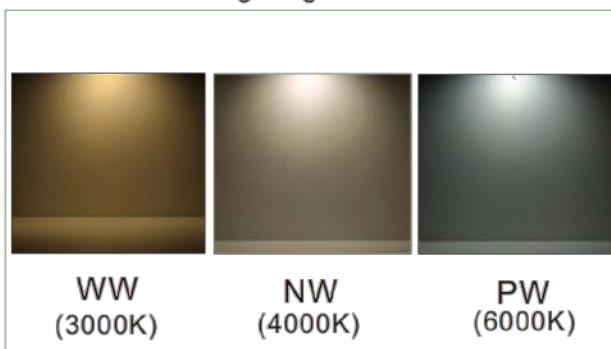
Radiation Diagram



Lux Diagram



Lighting Effects



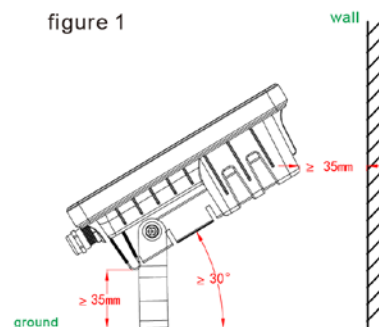
Through the 720 H accelerated aging test, high and low temperature prediction in the rated under the working conditions after 35000 H, will provide an average 70% optic maintenance ratio (L70).

INSTALLATION AND USE

Product No.	Net Weight	BOX		
		(L) x (W) x (H)	Gross Weight	PCS / Box
PLFM071	3.2 kg	350 x 310 x 185 (mm)	3.85 kg	1
Environmental Operating Conditions				
Ambient Temp	Storage Temp	Relative Humidity	Atmosphere Pressure	Heat Sink Mode
-20°C – +50°C	-40°C – +70°C	10% - 95%	70KPa – 106KPa	Natural Heat Conduction

Attention:

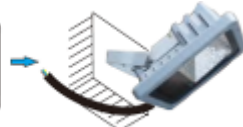
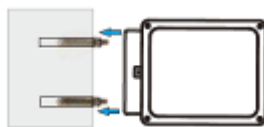
1. This product must be installed by a professional Electrician in accordance with the applicable and appropriate electrical codes and standards along with the installation instructions provided in this document.
2. Please ensure the heat sink leaves the ground at more than 30 degrees above the horizontal plane and away from any objects (approx 35mm).
3. The input voltage and the lamp should be adapted only after the power cable has been connected, please ensure care is taken with the waterproof seal and the insulation.



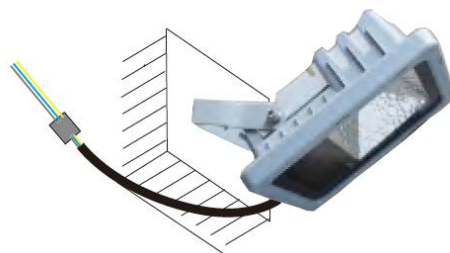
1. Adjust the angle you need and fasten the pivot bolt of the arm with a hex key.



2. Install the LED floodlight onto the wall or the ground, punch hole in the wall or ground, prepare the expansion screw, and then fasten the floodlight.



3. Connect the power wire from the Mainline to the power wire of the fitting, ensure connection is water resistant. Please note that the Brown colour wire is Active wire, Blue wire is Neutral line and the yellow and green wire is Earth line.



4. Turn on the power supply to ensure the light is working.