

LED Lamp

17W PAR38F

PAR38F is an exceptionally high performance LED lamp built to last. It is a premium quality solid state lighting product precisely engineered and manufactured with state of the art technologies and materials.

Proprietary driving circuit enables PAR38F to replace traditional incandescent/halogen lamp, up to 120 Watt, directly without additional modification or transformer.

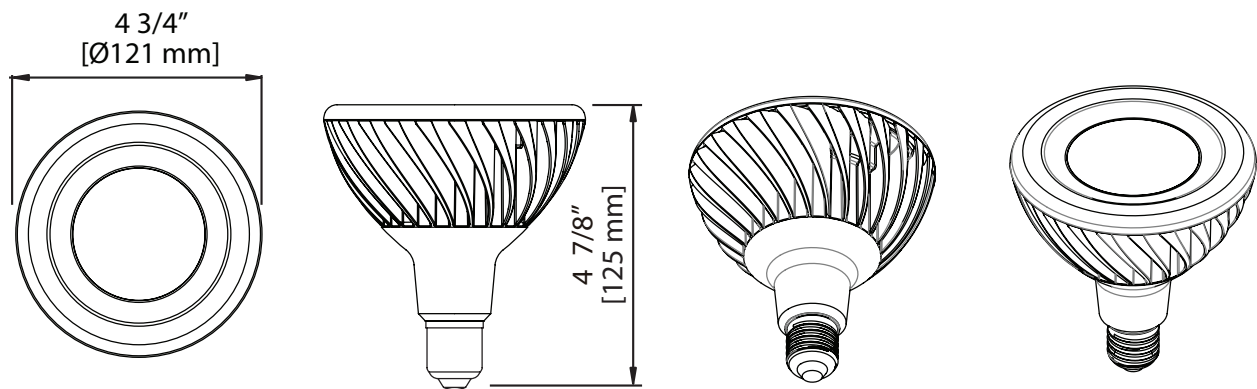


- Solid State Lighting Technology
- Decrease Energy Consumption
- Reduce CO₂ Emission
- Superior Quality Light
- Ecologically Friendly
- Energy Saving(17W)

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Dimensions



Tolerance: ± 1/8" [2.5 mm]

Figure 1: Dimensions for 17W PAR38F.

Absolute Maximum Rating

Parameter	Rating	Units
Plastic Housing Temperature	80	°C
Operating Temperature	-20 ~ +40	°C
Storage Temperature	-40 ~ +60	°C
AC Input Voltage	100~240	V
Equilibrium Temperature	55	°C

Table 1: Absolute maximum rating for 17W PAR38F.

Specifications

Parameter	Rating	Units
Power Consumption	17	Wattage
Beam Angles	20 / 40	Degree
Field Angles	38 / 60	Degree
Color Temperature	3000 / 4000 / 6000	K
CRI	80 / 75 / 70	--
Weight	500 ± 5	g
Base	E26 / E27	--
Dimming Range	20 ~ 100%	--
Power Factor	> 0.7	--

Table 2: Specifications for 17W PAR38F.

Illuminance and Field Angles

• Cool White / Neutral White / Warm White

Power Consumption(W)	Part Number	Beam Angles	Field Angles	CCT(Typ.)	Lux* @ 1m (Typ.)	Lm(Typ.)
17W	PAR38F-1731xx	20°	38°	5650~7000K	7000	1000
	PAR38F-1732xx			3800~4500K	6000	900
	PAR38F-1733xx	40°	60°	2670~3050K	5500	700
	PAR38F-1761xx			5650~7000K	2700	1000
	PAR38F-1762xx			3800~4500K	2000	900
	PAR38F-1763xx			2670~3050K	1800	700

Table 3: Illuminance and field angles for 17W PAR38F.

Notes:

1. Lux value is measured under thermal balanced condition. (i.e. after 1 hour continuous operation)
2. LED is a dynamic and constantly evolving technology. The final lux output of your PAR38F may vary.
3. Input voltage = AC 110V

Nomenclature

The following table describes the available colors, and angles.

P38F - 17 3 1 00

X1 X2 X3 X4 X5

X1 Product name	X2 Wattage	X3 Field Angle
PAR38F	17 = 17W	3 = 38° 6 = 60°

X4 Color	X5 Cover
1 = Cool White 2 = Neutral White 3 = Warm White	00 = White 01 = Black 02 = Silver

Figure 2: Nomenclature for 17W PAR38F.

Light Patterns

The diagrams present the light patterns with respect to different color temperature and angles.

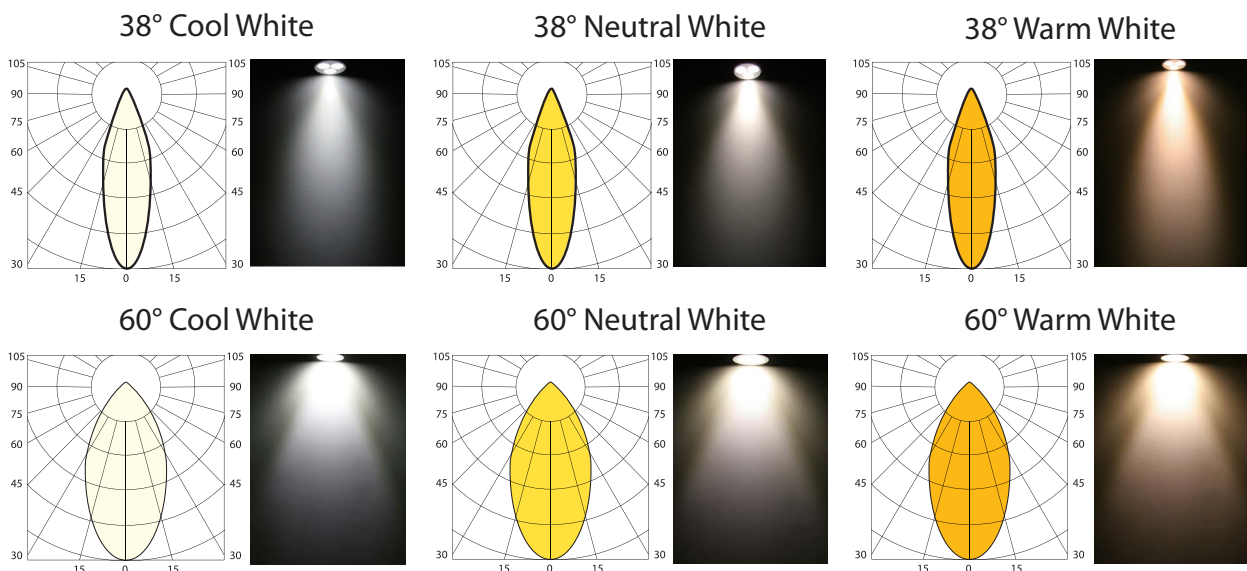


Figure 3: Light patterns of 17W PAR38F for different angles

Lifetime

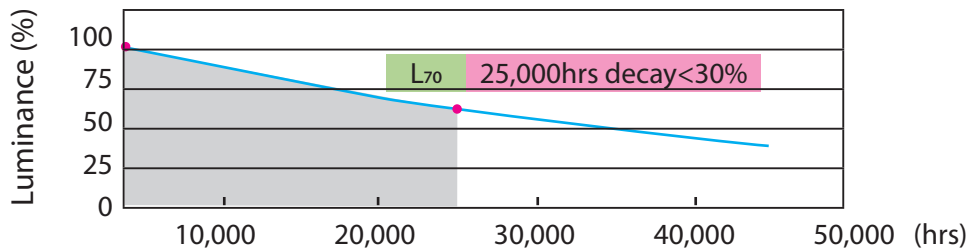


Table 4: Lifetime for 17W PAR38F

Application Notes

17W PAR38F is easy to substitute traditional bulb and can save much energy. It can be used in retail, ceiling fixture, restaurant lobby, hallway, casino, pub, as well as many others ambient and accent lighting application. Various color and angular choices can be suitable for different scenarios.



Various color temperature and beam pattern options are suitable for an array of scenarios. 17W PAR38F provides white color for customers' usages.

Note : As part of its policy of continuous research and development, Ledionopto Lighting reserves the right to change or withdraw specifications without prior notice.

Environmentally Friendly

With the increasing demand for energy and the effect on global warming, Ledionopto Lighting plays a role in preserving the forest by reducing energy consumption, and CO₂ emission one step at a time.

Replacing traditional halogen lamp with Ledionopto Lighting 17W PAR38F lighting application, one can help in reducing global warming by 473 kg of CO₂ annually.

17W PAR38F VS 120W Halogen PAR38

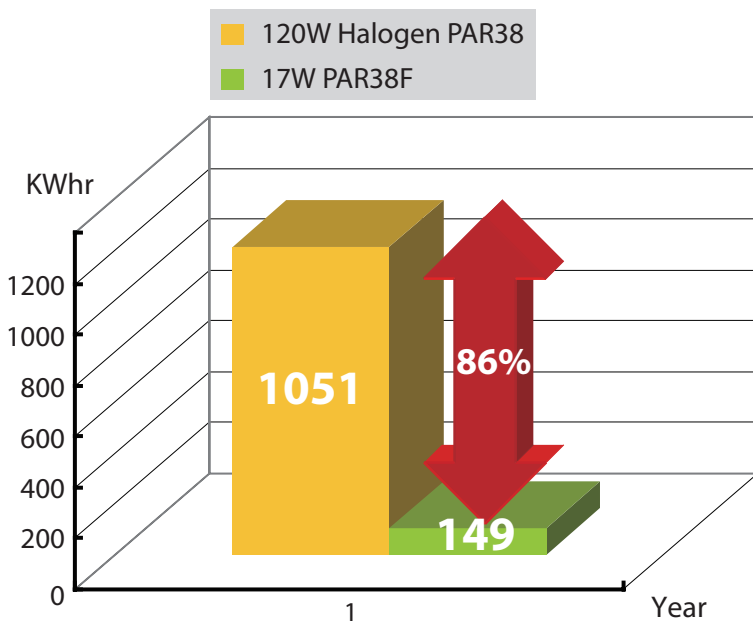
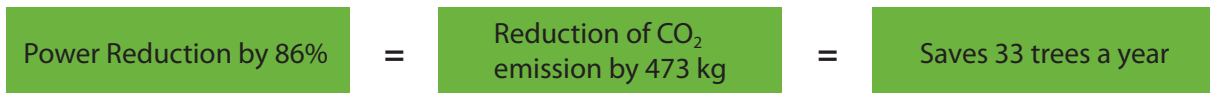


Figure 5 : 17W PAR38F Environmentally Friendly.

Note : 1.Calculation based on 24 hours of daily operation.

Economical



Power Consumption: 120W
 Expected Lifetime: 3,000 hrs



Power Consumption: 17W Saving: 902 kWh / year
 Expected Lifetime: 30,000 hrs

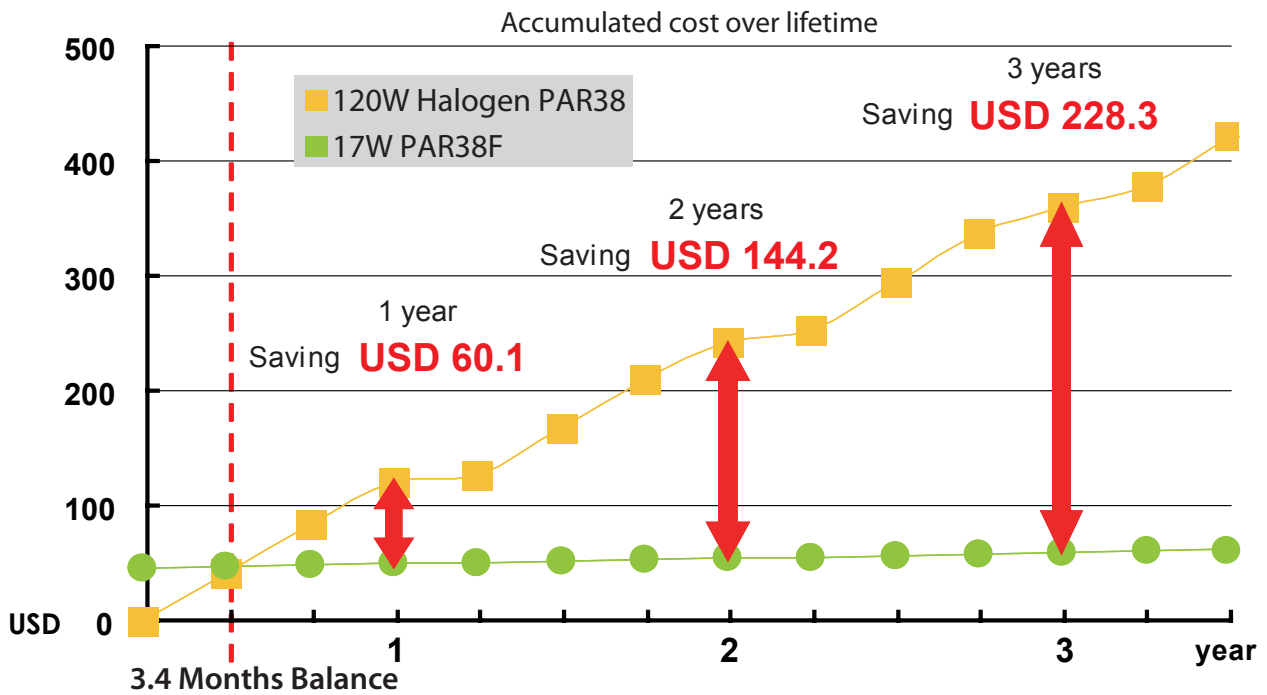
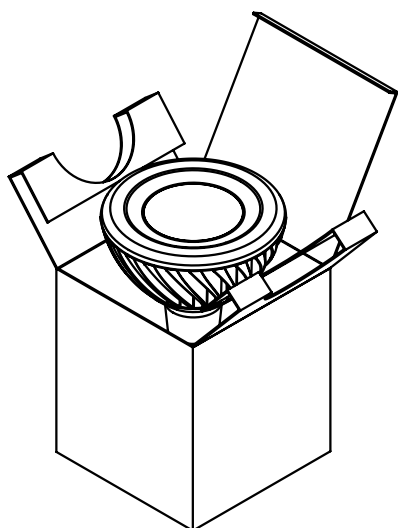


Figure 6 : 17W PAR38F VS 120W Halogen PAR38.

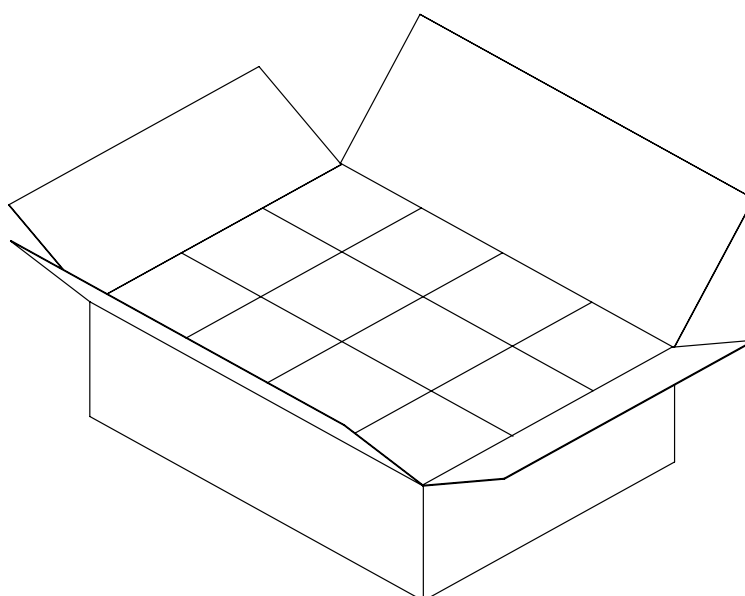
Notes : 1.Calculation based on 24 hours of daily operation (€9.41/kWh).
 2.Cost includes the replacement of 120W Halogen PAR38.

Package Information(Standard)

Note : Interior Box Dimensions : 125mm(length)*125mm(width)*145mm(height)
 Exterior Box Dimensions : 527mm(length)*397mm(width)*164mm(height)



Interior Box (per each 17W PAR38F)



Exterior Box (12 Pcs. of 17W PAR38F)

Figure 4: Standard Package for 17W PAR38F.

List of the modifications

Versions	Modification	Date
1	Establish a Datasheet.	2011.07.11
2	Modify the Illuminance.	2011.11.07
3	Modify the Illuminance.	2012.08.13
4	Modify the Dimensions.	2012.10.18

Table 5: List of the modifications for 17W PAR38F.