

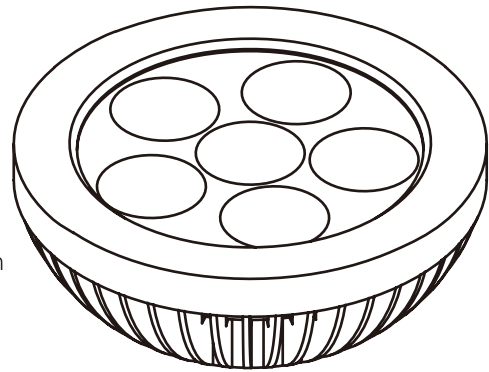
Solid-State Lighting Series

10W/15W PAR30 Module

Datasheet

Edison Opto 10W/15W PAR30 Module utilizes 6 Edixeon® LEDs, capable of producing an illumination of 3,700 lux at one meter. This module integrates advanced LED technology with proprietary optics and high-tech heatsink into an effective design.

The condensed light emitting area through the advanced optics design allows a cleaner and better defined light output. In addition to all the benefits you could expect from LEDs, you will get an attractive and easy-to-use solution with the 10W/15W PAR30 Module.



Features :

- Fully Integral Design
 - Low Power Consumption
 - Long Life (50,000hrs)
 - Various Color Temperature (Cool/Neutral/Warm White)
 - Available in Narrow (25°) and Wide (40°) Beams
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Dimensions

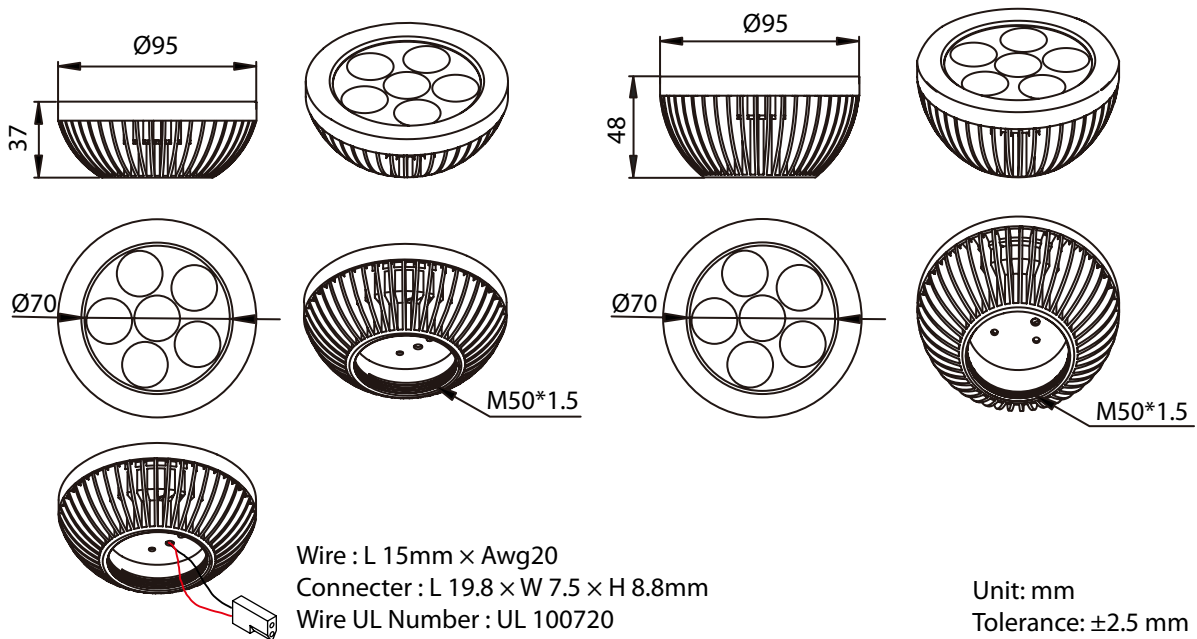


Figure 1: 10W/15W PAR30 Module dimensions

Absolute Maximum Ratings

Parameter	Rating	Units
LED Junction Temperature	125	°C
Operating Temperature	-30 ~ +40	°C
Storage Temperature	-40 ~ +60	°C
DC Input Voltage	24	V
Constant Current(10W)	500	mA
Constant Current(15W)	700	mA
Equilibrium(10W)	60	°C
Equilibrium(15W)	65	°C

Table 1: 10W/15W PAR30 Module absolute maximum ratings

Specifications

Parameter	
Power Consumption	10 / 15 Watt
Field Angle	25° / 40°
Color Temperature	3000 / 4000 / 6000K
CRI	75 / 90
Weight(10W)	150g
Weight(15W)	200g

Table 2: 10W/15W PAR30 Module specifications

Illuminance and Beam Angles

• Cool White

Power Consumption	Part Number	CCT(Typ.)	Cone Beam Angle	Lux*@ 1m (Typ.)
10W	EDIS-P30M10-xxx	6000K	25°±2.5°	3700
	EDIS-P30M10-xxx		40°±1.5°	1900
15W	EDIS-P30M15-xxx		25°±2.5°	5200
	EDIS-P30M15-xxx		40°±1.5°	2660

• Neutral White

Power Consumption	Part Number	CCT(Typ.)	Cone Beam Angle	Lux*@ 1m (Typ.)
10W	EDIS-P30M10-xxx	4000K	25°±2.5°	2700
	EDIS-P30M10-xxx		40°±1.5°	1650
15W	EDIS-P30M15-xxx		25°±2.5°	3780
	EDIS-P30M15-xxx		40°±1.5°	2310

• Warm White

Power Consumption	Part Number	CCT(Typ.)	Cone Beam Angle	Lux*@ 1m (Typ.)
10W	EDIS-P30M10-xxx	3000K	25°±2.5°	2000
	EDIS-P30M10-xxx		40°±1.5°	1000
15W	EDIS-P30M15-xxx		25°±2.5°	2400
	EDIS-P30M15-xxx		40°±1.5°	1400

Table 3: 10W/15W PAR30 Module illuminance and beam angles

Notes:

1. Lux value is measured under thermal balance condition. (i.e. after 1 hour operation)
2. LED is a dynamic and constantly evolving technology. The final lux output of your 10W/15W PAR30 Module may vary.
3. Input voltage = DC 24V

Light Patterns

• 40°

EDIS-P30M1x-Wxx ○ 6000K



EDIS-P30M1x-Hxx ● 4000K



EDIS-P30M1x-Xxx ● 3000K



• 25°

EDIS-P30M1x-Wxx ○ 6000K



EDIS-P30M1x-Hxx ● 4000K



EDIS-P30M1x-Xxx ● 3000K



Figure 2: 10W/15W PAR30 Module light patterns of different colors

Assembly Instructions and Recommended Driver Specification

Input Voltage	Output Voltage	Operating Current (Constant)	Rated Power
AC 100~240V	DC18~24V	500mA	> 12W
AC 100~240V	DC18~24V	700mA	> 17W

Table 4: Specification of recommended driver

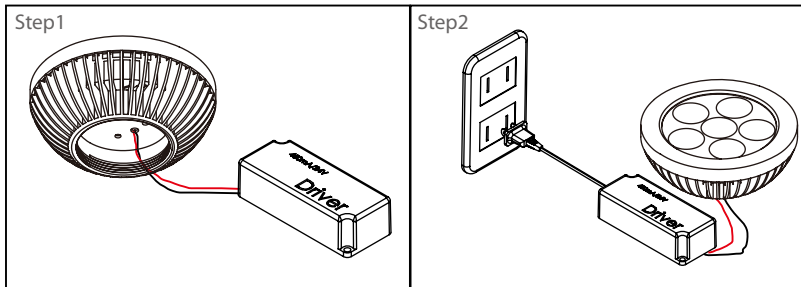


Figure 3: Assembly Instructions

- Assembly Instructions :
1. Connect the 10W/15W PAR30 Module to the DC driver shown as step 1.

- 2. Plug the driver to AC outlet shown as step 2.

Caution: Never plug the driver to AC outlet before the 10W/15W PAR30 is properly connected as this may damage the LEDs permanently.

Application Notes

The compact and integral design of the 10W/15W PAR30 Module make it ideal for a wide variety of lighting applications, including retail store spot light, ceiling downlight, and many other accent lightings.



Various colors and beam pattern options are suitable for an array of scenarios.

