Surface Fixed 2" Round

SMR1-601-PAR16

4" Flat Canopy Plate 9.4W/14W LED PAR16

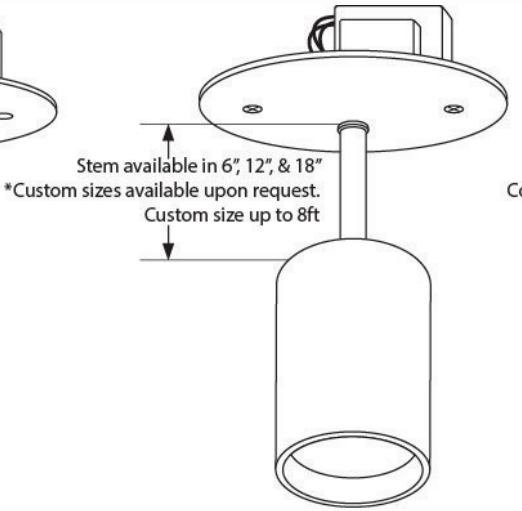
Project Name:		Type:	
Catalog Number:		Date:	

Transformer on Back of Canopy Plate (Inline Transformer)

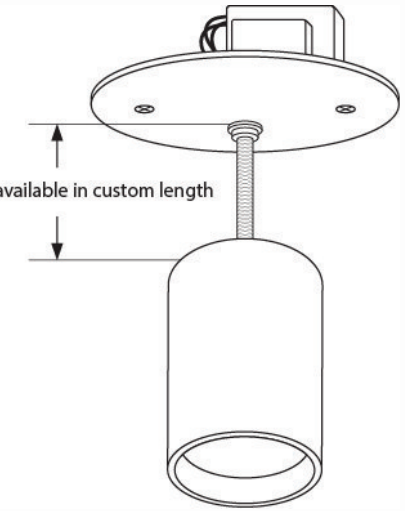
Designed to mount to surface or recessed 4S or 4O electrical box with reducer ring.

Inline 12V Transformer

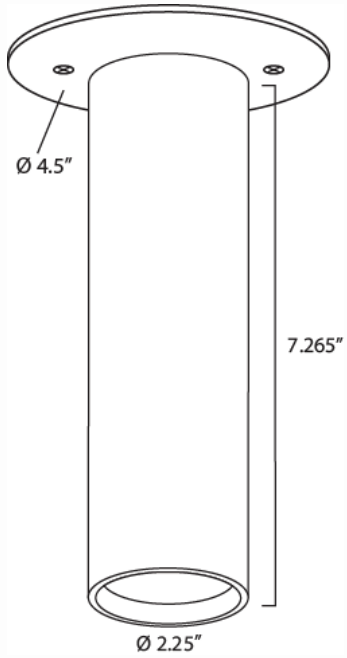
Inline 12V Transformer w Stem



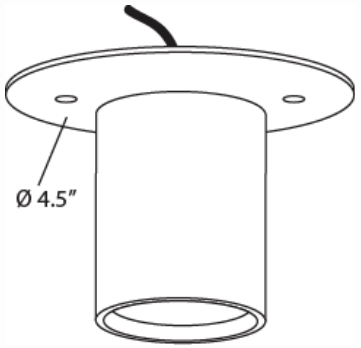
Inline 12V Transformer w Chord



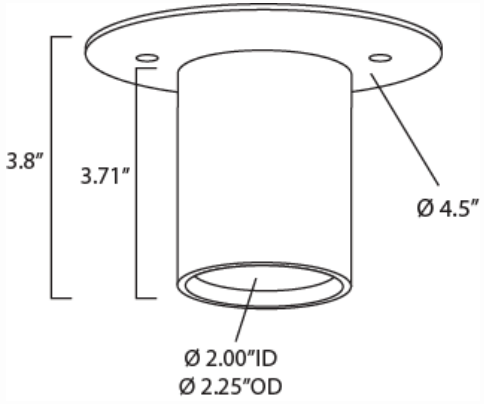
Inline 120V or 277V Transformer



Remote 12V Transformer



Fixture Dimensions



*Sizes may vary depending on wattages

CLARTÉ™ LIGHTING

CREE LEDs

c UL us LISTED E492734

975 N. Todd Ave, Azusa, CA 91702 Tel No. (626)261-4242 Fax No. (626)598-3750

Surface Fixed 2" Round

SMR1-601-PAR16

4" Flat Canopy Plate 9.4W/14W LED PAR16

Project Name:		Type:	
Catalog Number:		Date:	

Wattage/Lumen Output - PAR16 Scale

1118 Lumens - 700 Milliamp
18W ABS & DMX RGBW Dimming

700 Lumens - 700/750 Milliamp
9W MLV <1% Dimming

925 Lumens - 1000/1050 Milliamp
14W MLV <1% Dimming

Can be used with Remote or In-Line 12V Transformer

1100 Lumens - 1400/1500 Milliamp
16W ON/OFF
0-10V 1% Dimming
ELV 10% Dimming
17W MLV <1% Dimming
19W Lutron 1% Dimming
DMX .33% Dimming

1300 Lumens - 1650 Milliamp
20W ON/OFF
0-10V 1% Dimming
ELV 10% Dimming

1950+ Lumens - 750 Milliamp
17W **X4**LED

To be used ONLY with Remote Transformer

*Size subject to change

Color 700MA

Blue	228 Lumens
Green	549 Lumens
Amber	562 Lumens
Red	462 Lumens

Photometrics

	16W PAR16 1100 LUMENS		16W PAR16 1032 LUMENS		16W PAR16 1028 LUMENS		16W PAR16 915 LUMENS		
4'	585 fc	1.0'	587 fc	1.2'	371 fc	1.5'	115 fc	2.9'	4'
6'	260 fc	1.6'	261 fc	1.8'	165 fc	2.2'	51 fc	4.3'	6'
8'	146 fc	2.1'	147 fc	2.4'	93 fc	3.0'	29 fc	5.7'	8'
10'	94 fc	2.6'	94 fc	3.0'	59 fc	3.7'	18 fc	7.2'	10'
12'	65 fc	3.1'	65 fc	3.6'	41 fc	4.5'	13 fc	8.6'	12'
20'	23 fc	5.2'	24 fc	6.1'	15 fc	7.5'	5 fc	14.3'	20'
26.7'	13 fc	7.0'	8 fc	8.1'	8 fc	10.0'	3 fc	19.1'	26.7'
40'	6 fc	10.5'	6 fc	12.1'	4 fc	14.9'	1 fc	28.7'	40'
	NSP 14°		SP 17°		NFL 22°		FL 40°		

LM70 - LED Life Rating = 70% of lumen rating of LED

8W/9W = 261,000 hrs. = 29+ years*
12W/14W = 183,000 hrs. = 20+ years*
16W/19W = 123,000 hrs. = 14+ years*

*24 hr. 7 days a week, 8760 hrs. a year operation

10 Points of Light 7 YEAR Clarté Warranty

Clarté Lighting's LED fixtures operate -30°C to -44°C cooler at junction temperature as compared to most other LED fixture manufacturers, creating a premium life LED, allowing Clarté to offer a 7 year warranty*. *5 year on DMX/RGBW fixtures.

CLARTÉ™ LIGHTING

Made in the USA

CREE LEDs

c UL us LISTED E492734

Optical & Accessory Options:

- Up to 2 Stackable accessories per optic
- 1 remtention ring for optic + 1 rentention ring for accessories
- Easy tool less field changable optic and /or accessories

Optical Features

1. 3 to 1 min to max beam ratio with strong center beam CP
2. Soft feathered beam edge
3. 45 degree vertical cut off eliminated glare
4. 180 degree soft radiant fill light improves min to max ratio

4 field changeable optics - LED	
NARROW SPOT (NSP)	10°
SPOT (SP)	15°
NARROW FLOOD (NFL)	21°
FLOOD (FL)	40°

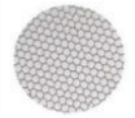
4 field changeable optics -XLLED	
NARROW SPOT (NSP)	10°
SPOT (SP)	15°
NARROW FLOOD (NFL)	24°
FLOOD (FL)	43°

Lens Softener (LS) +20 increases in beam width Shields optical face visually Softens edges of beam.

Linear Spread Lens (LSL) Horizontal or Vertical Beam Elongation.

Wide Flood Lens (WFL) Wall Washing Increases the beam by 50% width with elimination of center beam.

Louver (LV) Small black Hexcel louver eliminate all surface brightness creates stronger vertical cut off with -20% beam with.



Halogen (H) 150 Kelvin lower - 2700K to 2550K

Dimmed Halogen (DH) 300 Kelvin lower -2700K to 2400K

Dichroic Color Filters Themed environment
Red Green, Blue, Yellow & Amber.

Ordering Information:

Please fill in the spaces below that apply

SMR1-601-FIX-____-____-____-PAR16-____-____-____-____-____-____-____-____-____-____-____-____
(a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l)

(a) Driver Options

D = Forward Phase Magnetic Low Voltage (MLV) **<**1% Dim to Off (2 wire)
ED = Electronic Forward/Reverse Phase, 10% Dimming (2 wire - must utilize remote driver)
ABS = Absolute Light .001% Dimming (use with RGBW)

(b) Wattage Options

Can be used with Remote or In-Line 12V Transformer

9W = MLV **<**1% Dimming
14W = MLV **<**1% Dimming

To be used ONLY with Remote Transformer

16W = ON/OFF, 0-10V1%, ED
17W = MLV **<**1% Dimming, **X4**LED
18W = ABS
19W = LUTRON Dimming, DMX Dimming
20W = ON/OFF, 0-10V1%, ED

(c) Lamp Type Options

LED = Cree XPG diode @ 8W/9W
XLED = Cree XPL diode @ all wattages
X4LED = Cree XHP50 LED = 50+% brighter than XLED (available spot, narrow flood and flood)

(d) Beam Options

NSP = Narrow Spot
SP = Spot
NFL = Narrow Flood
FL = Flood

(e) Element Options

LS = Lens Softener
LSL = Linear Spread Lens
WFL = Wide Flood Lens
DH = Dimmed Halogen (300K lower)
H = Halogen (150K lower)
LV = Louver

(f) Color Options

BLK = Black
WHT = White
PWT = Pewter

Select Custom Color **(Review Website for Over 3,300 Color Options)**

(g) Options

RMT14 = 14 watt 12VAC MLV Step down transformer
RMT60 = 60 watt 12V AC MLV Step down transformer
RMT150 = 150 watt 12V AC MLV Step down transformer
RMT300 = 300 watt 12V AC MLV Step down transformer
EMG = 90 minute emergency battery back up (Remote Only)
120V = 120VAC 60Hz (Standard)
230V = 230VAC 50Hz
277V = 277VAC 60Hz
80+ = CRI over 8-0
90+ = CRI over 90 (only available in 27K and 30K)

(h) Stem Options

S6 = Stem Size 6"
S12 = Stem Size 12"
S18 = Stem Size 18"
CS = Custom Stem

(i) Chord Color Options

BLKC = Black Cord
WHTC = White Cord
SLVC = Silver Cord
CARC = Cardinal Cord
ORGC = Orange Cord
AQUAC = Aqua Cord
BWZZC = Black & White Zigzag Cord

(j) Chord Size

CCS = Custom Cord Size
(6in - 20ft, whole inch increments only)

(k) Mounting Options

FX = Fixed
CM = Center Mount
WMWC = Wood Mounting Wire Compartment
PND = Pendant

(j) Color Temperature Options powered by Cree® LEDs

22K = 2200 Kelvin (candlelight)
27K = 2700 Kelvin (incandescent color)
30K = 3000 Kelvin (Halogen color)
35K = 3500 Kelvin (warm incandescent)
40K = 4000 Kelvin (cool incandescent)
RGBW = Red, Green, Blue, White**
**Must utilize DMX fixture option

UV365 = 365 NM UV black light
UV390 = 390 NM UV black light
Blue = 465 - 485 NM wavelength
Green = 520 - 535 NM wavelength
Amber = 585 - 595 NM wavelength
Red = 620 - 630 NM wavelength

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