

# Cylinder 100

Cable/ Stem Mount, Surface.



Project \_\_\_\_\_

Type \_\_\_\_\_

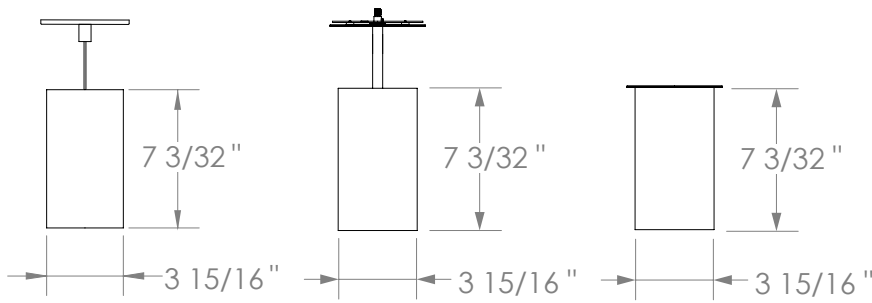
Notes \_\_\_\_\_



## PERFORMANCE PER UNIT AT 3500K

TOTAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
1500 lm	17.9 W	84 lm/W

### SIDE VIEWS



Cable mount shown

Stem mount shown

Surface mount shown

Also available as a Track Decorative, please refer to [TDC100.SPEC spec sheet](#)

## Ordering Guide

C100		NOM. LUMENS		COLOR TEMP.	HOUSING FINISH	VOLTAGE	DRIVER
<b>C100</b>	Cylinder 100	1150	1150 lm min	30	3000K	120	120 V
		1500	1500 lm max	35	3500K	277	277 V
						UNV	universal
						347	347 V*
							<b>DP</b> dimming (0-10V or TRIAC) 1% * <b>LT(LDE1)</b> Lutron Hi-lume 1% EcoSystem (remote)** <b>O(DALI)</b> DALI (remote)**
				* Extended lead time may apply.		* Not available with DP driver, SMR, SCPR, and CLAR mounting only.	
						* Only available with for SM, SCP, and CLA mounting options. TRIAC dimming for line voltage capable (120V voltage only), purple and pink wires need to be capped in that case. See wiring detail on page 3. ** Only available with SMR, SCPR, and CLAR mounting options. Remote driver enclosure by Axis.	

MOUNTING	CANOPY FINISH
<b>SM</b> Surface mount, driver in j-box* <b>SCP(L)</b> Stem stand alone canopy, driver in j-box (standard stem lengths 6", 12", 24", and 36")* ** <b>CLA(L)</b> cable length adjustable (specify length between 6" and 140") – cable can be shortened on-site.*** <b>SMR</b> Surface mount, remote driver <b>SCPR(L)</b> Stem stand alone canopy, remote driver (standard stem lengths 6", 12", 24", and 36")** <b>CLAR(L)</b> cable length adjustable, remote driver (specify length between 6" and 140") – cable can be shortened on-site.***	<b>BLK</b> black <b>W</b> white
Round canopy used. See more details on page 2. * Only available with DP driver. ** Custom lengths available with extended lead time, please specify. ***Black or white 1/8" diameter cable used. <a href="#">To order Swag mounting accessories, such as Rails and Hooks, see Swag Accessories for Pendants Spec sheet.</a>	

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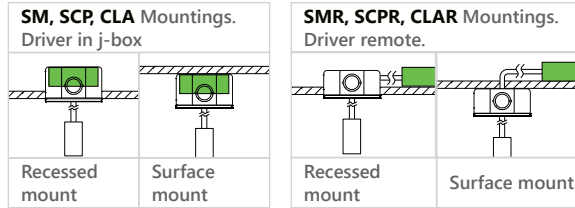
Cable/ Stem Mount, Surface.

## CONSTRUCTION

- Housing** Precision machining aluminum.
- Optic holder** Die-cast aluminum. Heat sink construction holds LED array and regressed acrylic TIR optics.
- Cable Mounting** Concealed cable gripper for easy suspension length adjustment.
- Stem and Surface Mounting** Steel

## MOUNTING OPTIONS

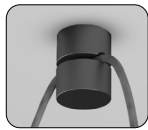
Drywall and solid ceiling compatible.



## SWAG MOUNTING DETAILS



Swag hook shown on rail (TDSR)



Swag hook shown on ceiling (TDSH)

To get more details and order swag mounting hardware please see [Swag Accessories for Pendants Spec sheet](#).

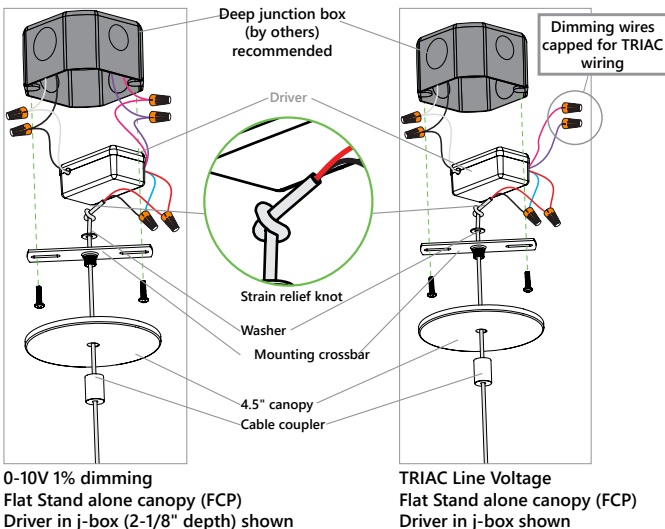
## FINISH

Powder coated matte black or white metal finish.

## WEIGHT

Cylinder 100: 2.5 lbs / 1.13 kg

## WIRING DETAIL (cable mount)



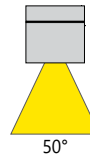
## ELECTRICAL

- DP driver (FCP)** Canopy includes an Axis integral driver, 0-10V 1% or TRIAC line voltage dimming standard.
- Lutron driver (remote)** LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
- Other drivers (remote)** DALI - Digital Addressable Lighting Interface
- Luminaire Input Voltage** 28VDC constant current.

## LED SYSTEM

- CRI CCT** Minimum 90 color rendering index 3000K, 3500K color temperature with a great color consistency (within 3-step MacAdam ellipse).
- LED life** Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
- Thermal Management** Aluminum housing acting as the heat sink to maximize life.

## BEAM SPREAD



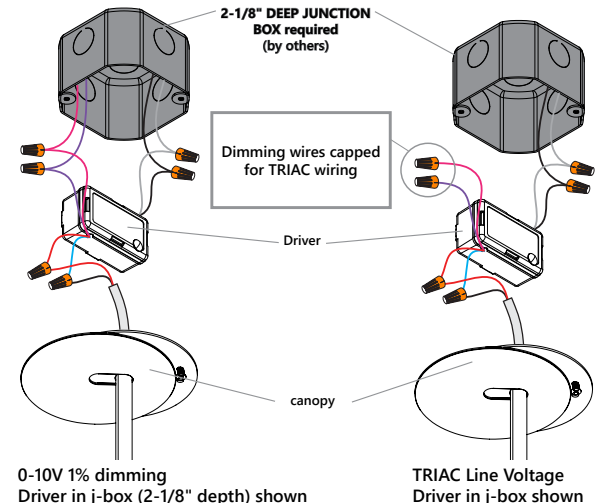
## APPROVALS

Certified to cULus standards. All Decoratives, Pendants, and Spotlights certified under UL2108.

## WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](#).

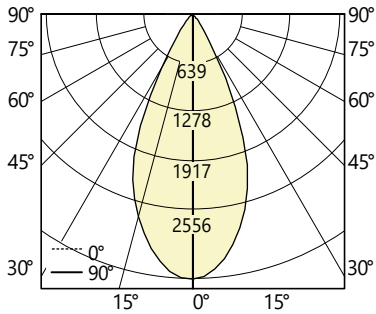
## WIRING DETAIL (stem and surface mount)



### ● PHOTOMETRIC DATA

1500 lm 18W

#### PHOTOMETRIC CURVE



#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2546	2546	2546	2546	2546
5	2515	2498	2491	2468	2457
15	2071	2027	1997	1959	1942
25	1189	1089	1028	960	978
35	243	228	220	207	208
45	68	64	64	62	62
55	20	19	19	18	18
65	2	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	228
10-20	546
20-30	485
30-40	165
40-50	55
50-60	20
60-70	3
70-80	0
80-90	0
90	

#### LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	45060	42849	40946
55	16456	15765	15029
65	1896	1330	1234
75	0	0	0
85	0	0	0

**Total Lumens: 1500 lm**

**Input Watts: 17.9 W**

**Efficacy: 84 lm/W**

IES FILE: TDC100-LO-90-35.ies

TESTED ACCORDING TO IES LM-79-2019

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)