

# Essentia® Series Track

LED Beveled Cylinder Track Head

Rev. Date: V6 04/27/2020

## Product Description

The Essentia® Series Track LED Beveled Cylinder Track Head delivers 980 lumens using 15-watts. Available in four color temperatures, the track head is an excellent choice for applications requiring LED performance. Available in white, black, and silver polyester powder-coat finish, the track head provides beautiful light at 80 CRI and is supplied with 20° spot reflector and 40° flood diffuse lens for easy beam angle interchangeability. Compatible with 1- or 2-circuit track from Essentia® Series Track, Juno® "T" and "TU" Series track systems. The track head is durable too, made with die-cast aluminum housing and backed with a 3-year limited warranty. An excellent choice for your next track project with an estimated 35,000+ hours of maintenance-free operation.

**Applications:** General purpose track lighting for indoor residential, commercial, retail or industrial applications



6.5"H x 3.6"W x 5"D

## Performance Summary

**Initial Delivered Lumens:** 1,275 lumens

**Input Power:** 15 watts (50W MR16 equivalent)

**CRI:** 80

**CCT:** Soft White (2700K), Warm White (3000K), Neutral White (3500K) & Cool White (4000K)

**Limited Warranty<sup>1</sup>:** 3 years

**Dimming:** Dims to 10% using compatible triac dimmers

**Lifetime:** Designed to last 35,000 hours

**Weight:** 0.9 lbs. (0.4kg)

<sup>1</sup>See <http://creelighting.com/warranty> for warranty terms

## Ordering Information

Example: S-CT-BVCYL-10L-27K-BK

S-CT	BVCYL	10L		
Series	Description	Lumen Package*	CCT	Housing Color
S-CT Essentia Series Track	BVCYL Beveled Cylinder	10L 1,275 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K	BK Black WH White SV Silver

\* Initial delivered lumens w/ 20° spot reflector. Actual production yield may vary between -10 and +10% of initial delivered lumens



US: [creelighting.com](http://creelighting.com) (800) 236-6800

Canada: [creelighting-canada.com](http://creelighting-canada.com) (800) 473-1234

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## Product Specifications

### CONSTRUCTION & MATERIALS

- Durable aluminum housing with white, black, or silver polyester powder-coat finish
- Polycarbonate adapter with copper conductor
- Spring latch secures light fixture to track
- Pivot mount allows rotations up to 350° horizontally and 0-90° vertically in both directions for maximum aiming adjustability
- Supplied with 20° spot reflector and additional 40° diffuse lens for easy beam angle interchangeability. Diffuse lens changes lumen output to 1,275 lumens
- Compatible with Essentia Series "CT" track systems, and Juno® (not affiliated with Cree Lighting) "T" and "TU" Series track systems only

### ELECTRICAL SYSTEM

- Integral On/Off switch
- **Input Power:** 15 Watts (50W MR16 equivalent)
- **Input Voltage:** 120V, 60Hz
- **Power Factor:** >0.9
- **Total Harmonic Distortion:** >20%
- **Operating Temperature Range:** -20°C - + 35°C (-4°F - + 95°F)

### CONTROLS

- **Dimming:** Dims to 10% using compatible triac dimmers
- **Recommended Dimmers:**

#### Cooper

- Aspire Series: 9573ws
- Devine Series: DI06P-A-K

#### Lerand

- Paddle Series: ADPD453L-W2

#### Leviton

- Illumatech Series: ipi06
- Sureslide Series: 6631-lw
- Sureslide Series: 6613-PL

#### Lutron

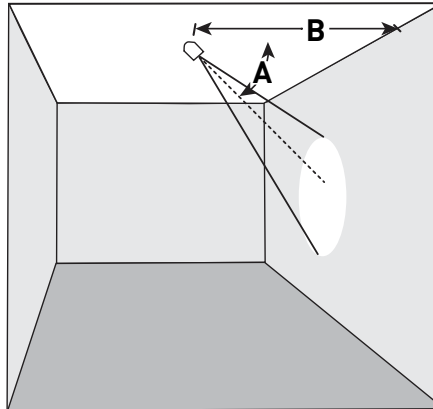
- Skylark: S-603PG (1), S-600P-AL,
- SLV-600-WH
- Diva Series: dvcl-153PR, DV-600P-WH
- Ariadni Series: AY-600P-AL
- Maestro Series: mrf2-600m-wh
- Nova Series: n-600
- Glyder Series: glv-600-wh

**Note:** The presence of a dimmer on this chart is not a guarantee or warranty of the compatibility of the fixture in any particular installation. The absence of a dimmer from this chart does not necessarily imply incompatibility

### REGULATORY & VOLUNTARY QUALIFICATIONS

- cETLus Listed
- Suitable for dry locations
- Designed for indoor use
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## Application Reference



A = Preferred 60° aiming angle

B = Typical track head setback of 1.5' (0.5m) - 3.0' (0.9m) from wall

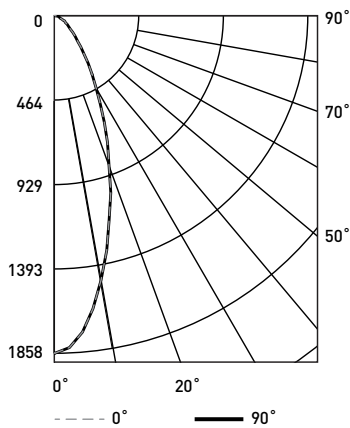
Delivered Lumens & Electrical Data*		
Initial Delivered Lumens	System Watts	Total Current (A)
		120V
1,275	15	0.14A

\* Data provided at 25°C (77°F). Actual wattage may differ by +/- 10% when operating at 120 +/- 10%

**Photometry**

**S-CT-BVLCYL-10L-30K-XX w/ 40° flood diffuse lens BASED ON CESTL REPORT TEST #: PL09648-001D**

Fixture photometry has been conducted in accordance with IES LM-79-08. IES LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.



Coefficients of Utilization-Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	112	109	106	104
2	106	100	96	92
3	100	92	87	82
4	94	86	79	75
5	89	80	73	69
6	84	75	68	63
7	80	70	63	59
8	76	66	59	55
9	72	62	56	52
10	69	59	53	49

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m <sup>2</sup> )			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
	45°	53,732	53,732
55°	34,804	34,804	34,804
65°	25,114	25,114	25,114
75°	18,246	18,246	18,246
85°	13,409	13,409	13,409

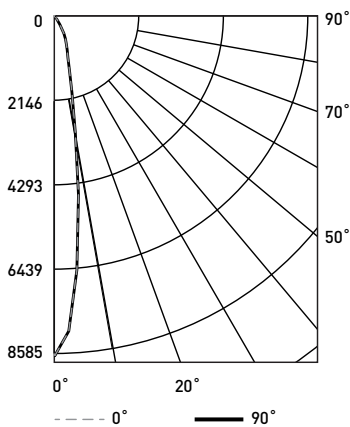
Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	779	N/A	62%
0-40	983	N/A	78.3%
0-60	1185	N/A	94.3%
0-90	1256	N/A	100%
0-180	1256	N/A	100%

Reference <https://www.creelighting.com/products/indoor/track/essentia-series> for detailed photometric data

**Photometry**

**S-CT-BVLCYL-10L-30K-XX w/ 20° spot lens BASED ON CESTL REPORT TEST #: PL09649-001C**

Fixture photometry has been conducted in accordance with IES LM-79-08. IES LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.



Coefficients of Utilization-Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	115	113	111	109
2	111	107	104	101
3	107	102	99	96
4	104	98	94	91
5	101	94	90	87
6	98	91	87	84
7	95	88	84	81
8	92	85	81	78
9	90	83	79	76
10	87	80	76	74

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m <sup>2</sup> )			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
	45°	5,532	5,532
55°	3,534	3,534	3,534
65°	3,160	3,160	3,160
75°	3,502	3,502	3,502
85°	6,841	6,841	6,841

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	1220	N/A	93.8%
0-40	1267	N/A	97.4%
0-60	1288	N/A	99.1%
0-90	1300	N/A	100%
0-180	1300	N/A	100%

Reference <https://www.creelighting.com/products/indoor/track/essentia-series> for detailed photometric data