

# Essentia® Series Track

LED Mini Flat Back Track Head

## Product Description

The Essentia® Series Track 8W 500 lumen LED Mini Flat Back Track Heads available in Soft White 27K, Warm White 30K, Neutral White 35K, & Cool White 40K are an excellence choice for applications requiring general purpose LED performance, a perfect fit for indoor residential, commercial, retail, or industrial applications. Available in white, black, and silver polyester powder-coat finish, these track heads deliver 500 lumens of beautiful light at 80CRI with a nice 36° beam angle. Compatible with 1- or 2-circuit track from Essentia® Series Track, Juno, Prescolite, and Con-Tech. These track heads are durable too, made with die-cast aluminum housing and backed with a 3-year limited warranty and an estimated 30,000+ hours of maintenance-free operation; an excellent choice for your next track project.

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

## Performance Summary

**Initial Delivered Lumens:** 980 lumens

**Input Power:** 8 watts

**CRI:** 80

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

**Beam Angle:** 36°

**Limited Warranty\*:** 3 years

**Lifetime:** Designed to last 30,000 hours

**Weight:** 0.77 lbs. (0.35kg)

\*See <http://lighting.cree.com/warranty> for warranty terms



5.125"H x 1.875"W x 3.44"L

## Ordering Information

Example: S-CT-MFB-5L-36D-27K-BK

S-CT	MFB	5L	36D		
Series	Description	Initial Delivered Lumens	Beam Angle	CCT	Housing Color
S-CT Essentia Series Track	MFB Mini Flat Back	5L 500 Lumens	36D 36° (standard)	27K 2700K 30K 3000K 35K 3500K 40K 4000K	BK Black WH White SV Silver



US: [lighting.cree.com](http://lighting.cree.com)

Rev. Date: V5 04/24/2018

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)



T (800) 473-1234 F (800) 890-7507

**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Die-cast aluminum
- White, black, and silver powder-coat finish
- Polycarbonate reflector and lens
- Polycarbonate adapter with copper conductor
- Mounts to Juno track via integrated adapter
- Pivot mount allows rotations of 350° horizontally and 90° vertically in both directions for maximum aiming adjustability
- Compatible with 1- or 2-circuit track from Essentia® Series Track and select track systems from Juno, Prescolite, and Con-Tech

**ELECTRICAL SYSTEM**

- Non-dimmable 120V driver
- 0.07 amps at 120V
- > 0.9 power factor
- < 20% Total Harmonic Distortion
- -10°C minimum starting temperature

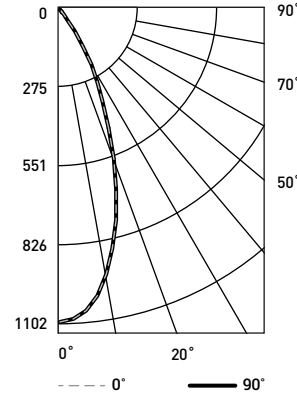
**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cETLus Listed

**Photometry**

**S-CT-MFB-5L-36D-30K BASED ON CESTL REPORT TEST #: PL08430-001A**

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



Initial Delivered Lumens: 555  
 Efficacy: 67.0 LPW  
 S/M: 0.66

Average Luminance Table (cd/m <sup>2</sup> )			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
45°	23,146	23,146	23,146
55°	13,944	13,944	13,944
65°	9,207	9,207	9,207
75°	5,966	5,966	5,966
85°	3,366	3,366	3,366

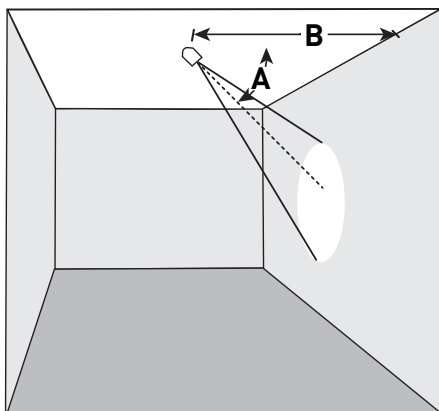
Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	114	112	109	107
2	109	105	101	98
3	105	99	95	91
4	100	94	89	85
5	96	89	84	80
6	92	85	79	76
7	89	81	75	72
8	85	77	72	68
9	82	73	68	65
10	79	70	65	62

Effective Floor Cavity Reflectance: 20%

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	477	N/A	85.7%
0-40	539	N/A	96.8%
0-60	552	N/A	99.3%
0-90	556	N/A	100%
0-180	3,068	N/A	100%

Reference <http://lighting.cree.com/products/indoor/track/essentia-series-track> for detailed photometric data

**Application Reference**



A = Preferred 60° aiming angle  
 B = Typical track head setback of 1.5' (0.5m) - 3.0' (0.9m) from wall