



# Small Cylinder Track Head (STRB30)

## Fixed Output LED Track Light Fixture



| OVERVIEW                |           |
|-------------------------|-----------|
| Lumen Package (lm)      | 2,300     |
| Wattage (W)             | 20        |
| Efficacy Range (LPW)    | 102 - 117 |
| Color Temperature (K)   | 4000K     |
| Fixture Weight lbs (kg) | 2 (0.9)   |

### QUICK LINKS

## FEATURES & SPECIFICATIONS

### Construction

- Die-cast aluminum LED housing, heat-sink and swivel joint.
- Polycarbonate electrical adapter with copper conductor.
- Precision directional aiming adjustment. 355° horizontal rotation, 90° vertical rotation.
- Compatible with LSI's TR Track System and Juno Track System (J-Type).

### Optical System

- Utilizes integrated chip on board (COB) modules.
- Molded TIR optic engineered to provide a smooth uniform beam for maximum output with minimum glare.
- 2-step MacAdam Ellipse tolerance.
- Minimum color rendering index (CRI) of 80 standard. 90 CRI available for high visual acuity.

### Electrical

- High-performance driver features overvoltage, undervoltage, short-circuit and over temperature protection.
- 120V AC Input 50/60 Hz
- L70 Calculated Life: >61,000 Hours
- Total harmonic distortion: <20%
- Power factor: >0.9
- Input current 0.20A / 0.1A
- Surge rating: 2.5kV minimum

### Controls

- Leading/Trailing Edge TRIAC Dimming Standard (2 - 100%).

### Installation

- Quick connect harness to attach fixtures in continuous rows.
- Integral ON/OFF switch and track polarity indicator.
- Alignment guides ensure proper alignment between tracks.

### Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

### Listings

- ETL/cETLus Listed.
- Suitable for Dry and Damp Locations.
- Complies with Trade Agreements Act (TAA) requirements.

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Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

### ORDERING GUIDE - TRACK HEAD

| TYPICAL ORDER EXAMPLE: STRB30 LED 20L 27 120 DIM 40 80CRI BLK |              |               |                |            |                                        |                   |                                  |             |
|---------------------------------------------------------------|--------------|---------------|----------------|------------|----------------------------------------|-------------------|----------------------------------|-------------|
| Prefix                                                        | Light Source | Lumen Package | Beam Angle     | Voltage    | Driver                                 | Color Temperature | CRI                              | Finish      |
| STRB30 - Small Cylinder Track Head                            | LED          | 20L - 2,300lm | 27 - 27° Flood | 120 - 120V | DIM - Leading/Trailing Edge Down to 2% | 40 - 4000K CCT    | 80CRI - 80 CRI<br>90CRI - 90 CRI | BLK - Black |



**Need more information?**  
[Click here for our glossary](#)

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### ORDERING GUIDE - TRACK SYSTEM

| TYPICAL ORDER EXAMPLE: TR 2 8 B |                                      |                    |           |
|---------------------------------|--------------------------------------|--------------------|-----------|
| Prefix                          | # of Circuits                        | Length             | Color     |
| TR - Track (J-Type)             | 2 - 2 Circuits<br>(1 Shared Neutral) | 4 - 4ft<br>8 - 8ft | B - Black |

### TRACK SYSTEM ACCESSORIES

| Description         |                                                                                                                                                                                                                                                         |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Feed Connectors     | <b>Live End - Top-Access End Feed</b><br>For direct wiring through ceiling with junction box or end feed in suspension, cover plate is required over junction box. Accepts 3/8" or 1/2" (trade size) electrical fittings.<br><b>Order Number: 84238</b> |      |
|                     | <b>End Feed Kit with Box Cover</b><br>For Wiring through junction box. Built-in junction box cover.<br><b>Order Number: 84233</b>                                                                                                                       |    |
|                     | <b>Replacement Dead End</b><br><b>Order Number: 84508</b>                                                                                                                                                                                               |    |
| Description         |                                                                                                                                                                                                                                                         |                                                                                       |
| Non-Feed Connectors | <b>Mini Connector</b><br>Connects two sections without adding length to track run.<br><b>Order Number: 84225</b>                                                                                                                                        |    |
|                     | <b>Adjustable Connector</b><br>Connects two track sections up to 90° left, right, up or down.<br><b>Order Number: 84227</b>                                                                                                                             |  |

## PERFORMANCE

| Delivered Lumens <sup>1</sup> |     |                  |          |         |
|-------------------------------|-----|------------------|----------|---------|
| Lumen Package                 | CRI | 4000K CCT        |          | Wattage |
|                               |     | Delivered Lumens | Efficacy |         |
| STRB30                        | 80  | 2317             | 117      | 20      |
|                               | 90  | 2037             | 102      |         |

| Electrical Data - Current Draw AMPS <sup>2</sup> |         |      |
|--------------------------------------------------|---------|------|
| Lumen Package                                    | Wattage | 120V |
| STRB30                                           | 20      | 0.17 |

| CRI Proration |      |
|---------------|------|
| 80            | 1    |
| 90            | 0.88 |

| Recommended Lumen Maintenance <sup>3</sup> |                      |                       |                       |                       |                        |
|--------------------------------------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Ambient Temperature                        | Initial <sup>4</sup> | 25K hrs. <sup>4</sup> | 50K hrs. <sup>4</sup> | 75K hrs. <sup>5</sup> | 100K hrs. <sup>5</sup> |
| 0 C                                        | 100%                 | 98%                   | 95%                   | 93%                   | 91%                    |
| 10 C                                       | 100%                 | 98%                   | 95%                   | 93%                   | 91%                    |
| 20 C                                       | 100%                 | 97%                   | 94%                   | 92%                   | 90%                    |
| 25 C                                       | 100%                 | 96%                   | 94%                   | 91%                   | 89%                    |
| 30 C                                       | 100%                 | 96%                   | 93%                   | 90%                   | 88%                    |
| 35 C                                       | 100%                 | 96%                   | 92%                   | 89%                   | 86%                    |

1 LEDs are frequently updated therefore values are nominal

2 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

3 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.

4 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

5 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

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## PHOTOMETRICS

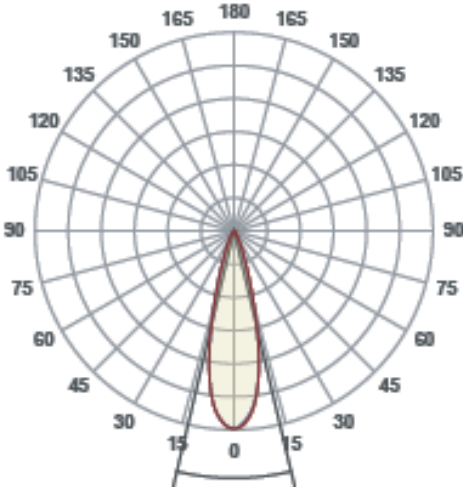
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

### STRB-30-LED-20L-27-40-80CRI

Lumens: 2,317  
Watts: 19.8  
Max Candela: 8,355 at Horizontal: 90°, Vertical: 2.5°

| ZONAL LUMEN SUMMARY |         |          |
|---------------------|---------|----------|
| Zone                | Lumens  | %Fixture |
| 0-20                | 1711.43 | 73.9     |
| 0-30                | 2069.90 | 89.3     |
| 0-40                | 2208.85 | 95.3     |
| 0-60                | 2308.23 | 99.6     |
| 0-80                | 2316.84 | 100.0    |
| 0-90                | 2316.84 | 100.0    |
| 10-90               | 1605.74 | 69.3     |
| 20-40               | 497.42  | 21.5     |
| 20-50               | 564.19  | 24.4     |
| 40-70               | 107.49  | 4.6      |
| 60-80               | 8.62    | 0.4      |
| 70-80               | 0.51    | 0.0      |
| 80-90               | 0.00    | 0.0      |
| 0-180               | 2317.00 | 100.0    |

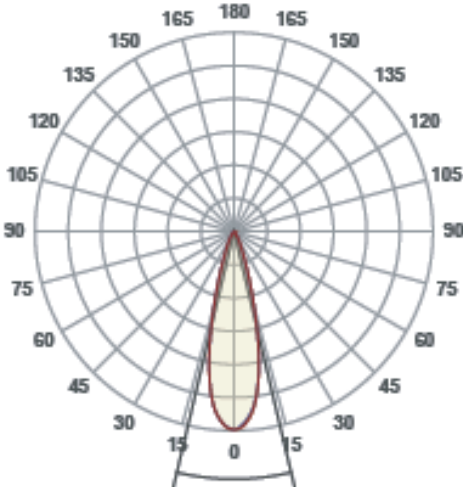


Beam Angle: 27°

### STRB-30-LED-20L-27-40-90CRI

Lumens: 2,026.3  
Watts: 19.8  
Max Candela: 7,345 at Horizontal: 90°, Vertical: 2.5°

| ZONAL LUMEN SUMMARY |         |          |
|---------------------|---------|----------|
| Zone                | Lumens  | %Fixture |
| 0-20                | 1504.61 | 73.9     |
| 0-30                | 1819.75 | 89.3     |
| 0-40                | 1941.95 | 95.3     |
| 0-60                | 2029.28 | 99.6     |
| 0-80                | 2036.83 | 100      |
| 0-90                | 2036.83 | 100      |
| Oct-90              | 1411.65 | 69.3     |
| 20-40               | 437.35  | 21.5     |
| 20-50               | 496.01  | 24.4     |
| 40-70               | 94.37   | 4.6      |
| 60-80               | 7.55    | 0.4      |
| 70-80               | 0.51    | 0        |
| 80-90               | 0       | 0        |
| 0-180               | 2036.83 | 100      |



Beam Angle: 27°

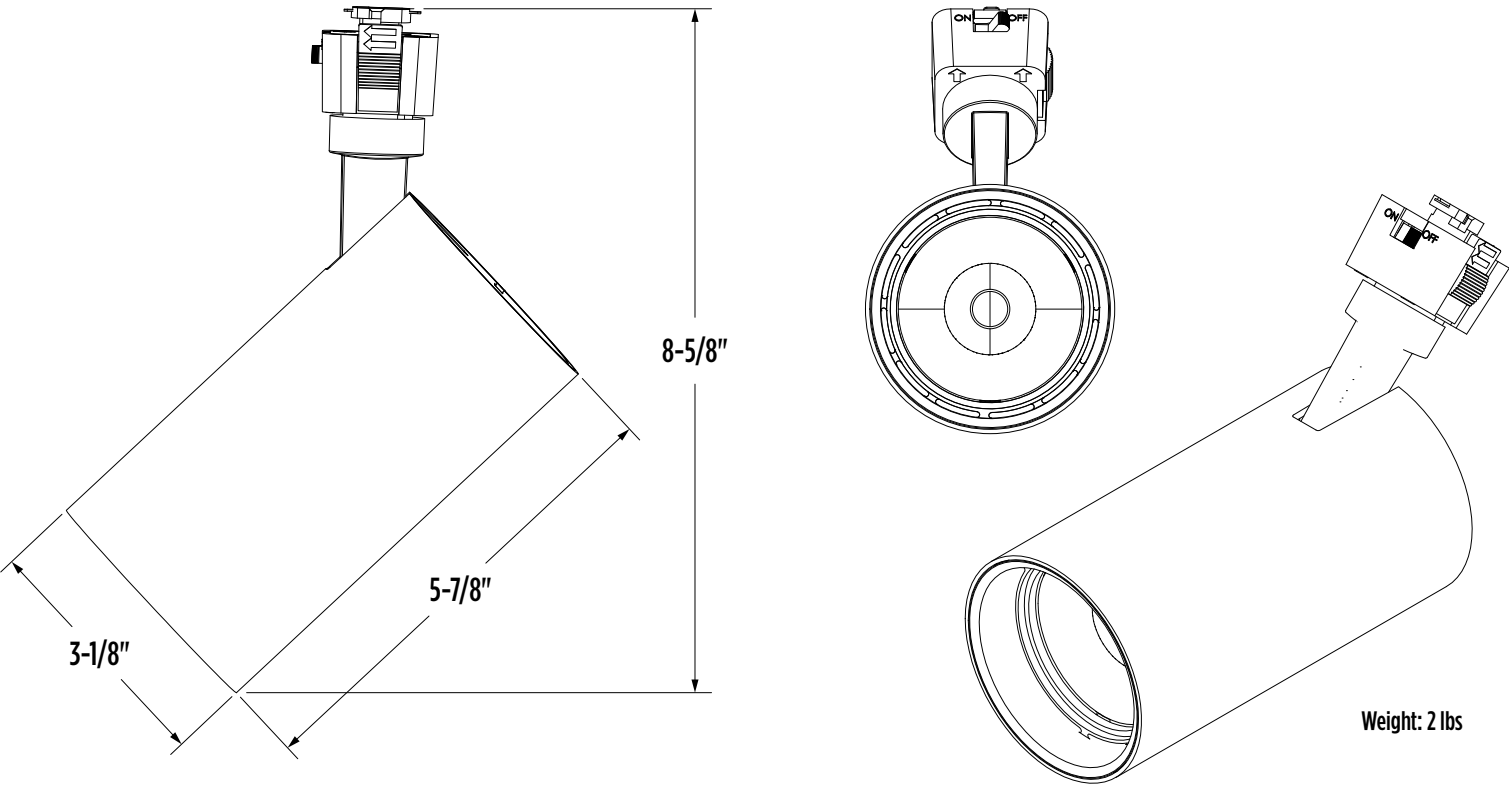
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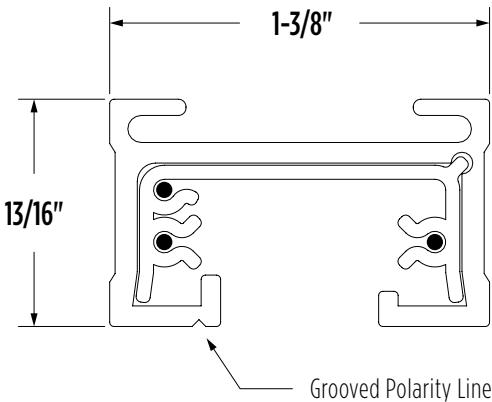
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## PRODUCT DIMENSIONS

### STRB30 Track Head



### TR 2 Track System



| Track Section Length Dimensions |          |          |
|---------------------------------|----------|----------|
| Lengths                         | 4' (48") | 8' (96") |
| Nominal Lengths                 | 44-1/8"  | 92-1/8"  |