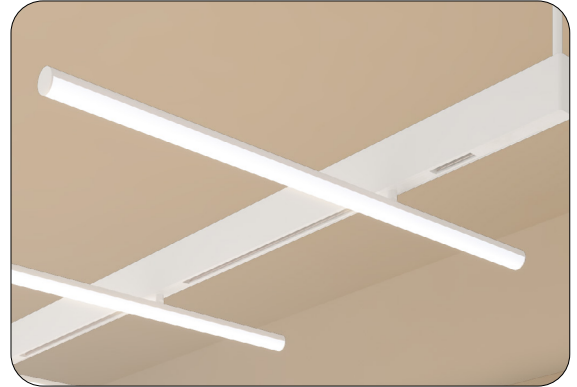




Project \_\_\_\_\_

Type \_\_\_\_\_

Notes \_\_\_\_\_

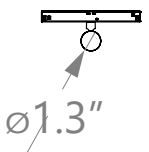


## SPECIFICATIONS TABLE

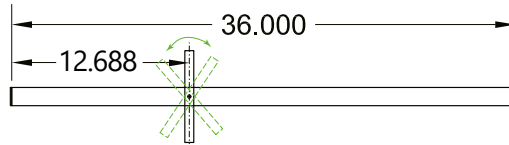
Please specify location of orbit tube on system configuration drawing

|                                            |                   |
|--------------------------------------------|-------------------|
| AXISTRAK™ TOTAL POWER PER SEGMENT          | 60 W              |
| UNIT POWER CONSUMPTION (details on page 4) | 30 W Max          |
| NOMINAL WEIGHT                             | 1.3 lbp / 0.59 kg |

## SECTION VIEW



## TOP VIEW



## ● LUMEN OUTPUT at 3500K

| Length | Min lumen output (LO) | Max lumen output (HI) | Wattage Min | Wattage Max | Efficacy |
|--------|-----------------------|-----------------------|-------------|-------------|----------|
| 3 ft   | 333 lm/ft             | 1000 lm/ft            | 10 W        | 30 W        | 109 lm/W |

## Ordering Guide

| TDOTS                    | 3      | SO               | 90                                                    |           |                                                  |                      |               |
|--------------------------|--------|------------------|-------------------------------------------------------|-----------|--------------------------------------------------|----------------------|---------------|
| PRODUCT ID               | LENGTH | SHIELDING        | NOM. LUMEN OUTPUT                                     | CRI       | COLOR TEMP.                                      | HOUSING FINISH       | MOUNTING      |
| TDOTS Orbit Tube Stagger | 3 3'   | SO spotless lens | 350 lumen per foot - Min<br>1000 lumen per foot - Max | 90 90 CRI | 27 2700 K<br>30 3000 K<br>35 3500 K<br>40 4000 K | BLK black<br>W white | AXT AxisTrak™ |

## CONTROLS

**DP** integral driver 0-10V dimming (1%) - wired\*

**DALIDT6** integral driver DALI 2.0 Type 6 - wired\*\*

**EP** integral driver for Empower wireless with integral sensor / control module\*\*\*

\* Available with multicircuit wiring.

\*\* Must use IMWD controls option with SFF framework, and DALIDT6CV(6) controls option with AxisTrak insert.

\*\*\* Must use IMWEP controls option with SFF framework, and EPCV(6) controls option with AxisTrak insert.

## ● CONSTRUCTION

|                 |                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Housing</b>  | Extruded aluminum (0.070" nominal)                                                                                                    |
| <b>End Cap</b>  | Die cast aluminum                                                                                                                     |
| <b>Lens</b>     | Extruded acrylic                                                                                                                      |
| <b>Mounting</b> | Powered adaptor with fixed rotating in XY plane 359° on track with the integral driver. Stagger mount located at 1/3 of total length. |

## ● LED SYSTEM

|                           |                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>CRI</b>                | Minimum 80 or 90 color rendering index                                                                                        |
| <b>CCT</b>                | Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse).     |
| <b>LED life</b>           | Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements. |
| <b>Thermal Management</b> | Aluminum housing acting as the heat sink to maximize life.                                                                    |

## ● ELECTRICAL

|                |                                                                                           |
|----------------|-------------------------------------------------------------------------------------------|
| <b>DP</b>      | Integral 0-10v 1% dimming low voltage driver (48V)                                        |
| <b>DALIDT6</b> | Integral Dali 2.0 D4i type 6 low voltage driver (48V)                                     |
| <b>EP</b>      | Integral Dali 2.0 D4i interface to connect to wireless/sensor node on the AxisTrack (48V) |

**i** Incorporating these components may have limitations or affect the length of the luminaire, please contact factory for more details.

## ● FINISH

Powder coated black or white finish.

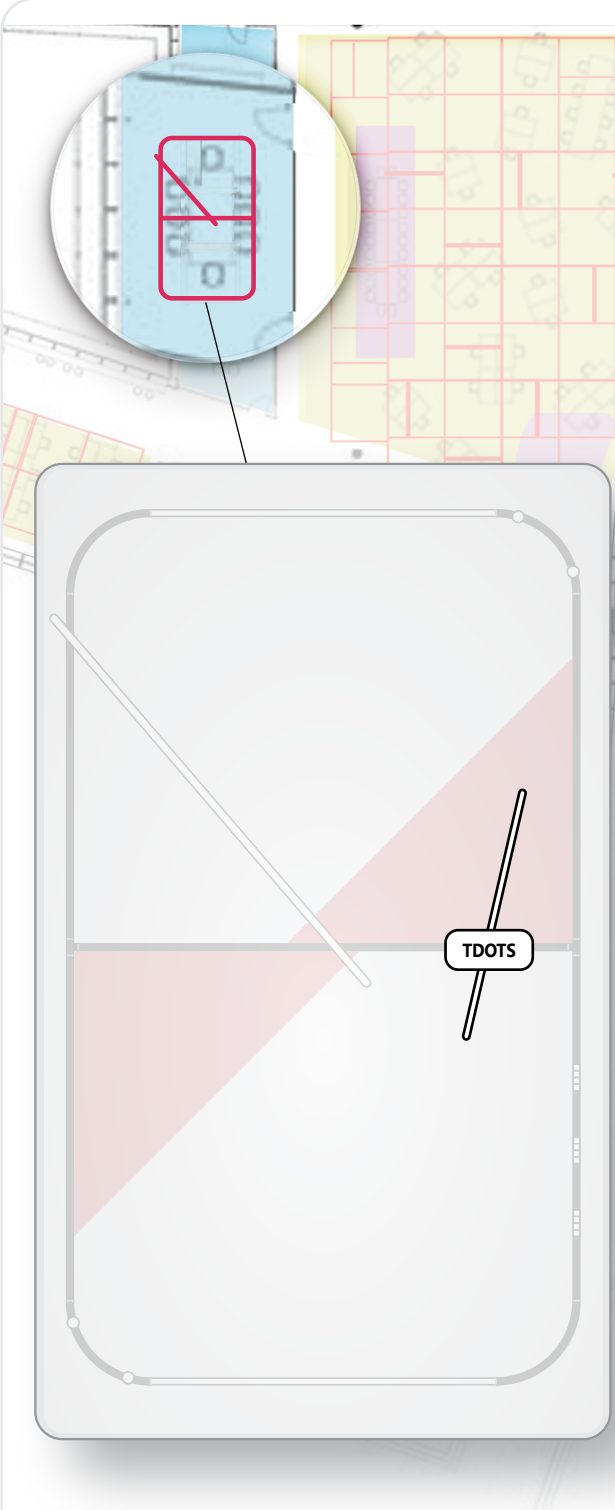
## ● APPROVALS

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](https://axislighting.com).

SPECIFICATION EXAMPLE



Here is how to specify Within an AxisTrak™

**EXAMPLE CODE**

1) FRAMEWORK: *SFF-L(37)-LC90(2)+LC902ST55(2)+T90(2)-BLK-120-IMW-1-CA(36)-RC*

1.1) SPOT LIGHTS ON CURVE SEGMENT: *TDST55-MB-1600-90-35-BLK-LC902ST55 (QTY. 4)*

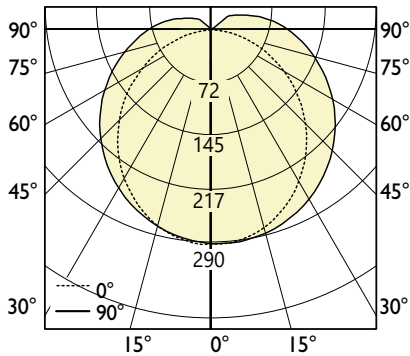
2) AXISTRAK™ INSERT:      *SFLDAXT-5-120-DPCV-BLK*  
                                     *SFLDAXT-7-120-DPCV-BLK*

3) TRACK ELEMENTS & DECORATIVES: 3) *TDOTS -3-SO-350-80-35-BLK-AXT-DP*

## ● PHOTOMETRIC DATA

365 lm/ft

## PHOTOMETRIC CURVE



Direct Output: 366 lm/ft  
 Total Lumens: 1097 lm (for 3ft)  
 Input Watts: 10.43 W  
 Efficacy: 105 lm/W

90 CRI shown. IES FILE: SFTDOTx-3-SO-365-90-35.IES  
 TESTED ACCORDING TO IES LM-79-2008

## CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |     |      |     |
|----------------|-------------------|------|-----|------|-----|
|                | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0              | 289               | 289  | 289 | 289  | 289 |
| 5              | 289               | 288  | 288 | 289  | 289 |
| 15             | 276               | 277  | 280 | 283  | 284 |
| 25             | 252               | 255  | 262 | 269  | 272 |
| 35             | 218               | 224  | 236 | 248  | 253 |
| 45             | 179               | 188  | 205 | 223  | 230 |
| 55             | 136               | 148  | 172 | 194  | 203 |
| 65             | 91                | 107  | 137 | 163  | 174 |
| 75             | 48                | 70   | 105 | 133  | 144 |
| 85             | 11                | 41   | 78  | 105  | 116 |
| 90             | 1                 | 30   | 66  | 93   | 103 |
| 95             | 1                 | 21   | 55  | 81   | 91  |
| 105            | 1                 | 11   | 36  | 59   | 67  |
| 115            | 1                 | 6    | 21  | 35   | 47  |
| 125            | 1                 | 4    | 15  | 25   | 34  |

## ZONAL LUMENS

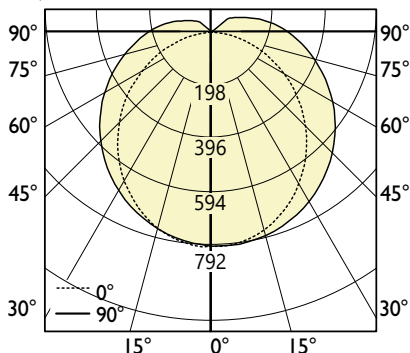
| Zone    | Lumens |
|---------|--------|
| 0       |        |
| 0-10    | 27     |
| 10-20   | 78     |
| 20-30   | 119    |
| 30-40   | 145    |
| 40-50   | 154    |
| 50-60   | 147    |
| 60-70   | 127    |
| 70-80   | 100    |
| 80-90   | 73     |
| 90      |        |
| 90-100  | 51     |
| 100-110 | 33     |
| 110-120 | 19     |
| 120-130 | 12     |

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

| Vertical Angle | Horizontal Angles |       |       |
|----------------|-------------------|-------|-------|
|                | 0                 | 45    | 90    |
| 45             | 8417              | 9666  | 10836 |
| 55             | 7881              | 9969  | 11801 |
| 65             | 7163              | 10823 | 13695 |
| 75             | 6111              | 13463 | 18530 |
| 85             | 4170              | 29694 | 44352 |

1000 lm/ft

## PHOTOMETRIC CURVE



Direct Output: 1000 lm/ft  
 Total Lumens: 3003 lm (for 3ft)  
 Input Watts: 26.85 W  
 Efficacy: 112 lm/W

90 CRI shown.  
 IES FILE: SFTDOTx-3-SO-1000-90-35.IES  
 TESTED ACCORDING TO IES LM-79-2008

## CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |     |      |     |
|----------------|-------------------|------|-----|------|-----|
|                | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0              | 790               | 790  | 790 | 790  | 790 |
| 5              | 790               | 789  | 789 | 791  | 790 |
| 15             | 755               | 759  | 766 | 773  | 776 |
| 25             | 688               | 697  | 717 | 735  | 744 |
| 35             | 597               | 613  | 646 | 680  | 693 |
| 45             | 489               | 513  | 562 | 610  | 630 |
| 55             | 372               | 404  | 470 | 531  | 556 |
| 65             | 249               | 293  | 376 | 447  | 476 |
| 75             | 130               | 193  | 286 | 364  | 394 |
| 85             | 30                | 111  | 213 | 288  | 318 |
| 90             | 1                 | 82   | 181 | 255  | 282 |
| 95             | 1                 | 58   | 152 | 222  | 248 |
| 105            | 2                 | 31   | 100 | 161  | 184 |
| 115            | 2                 | 15   | 57  | 96   | 128 |
| 125            | 3                 | 12   | 41  | 70   | 92  |

## ZONAL LUMENS

| Zone    | Lumens |
|---------|--------|
| 0       |        |
| 0-10    | 75     |
| 10-20   | 214    |
| 20-30   | 325    |
| 30-40   | 395    |
| 40-50   | 421    |
| 50-60   | 402    |
| 60-70   | 349    |
| 70-80   | 275    |
| 80-90   | 199    |
| 90      |        |
| 90-100  | 139    |
| 100-110 | 90     |
| 110-120 | 53     |
| 120-130 | 33     |
| 130-140 | 0      |
| 140-150 | 0      |
| 150-160 | 0      |
| 160-170 | 0      |
| 170-180 | 34     |

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

| Vertical Angle | Horizontal Angles |       |        |
|----------------|-------------------|-------|--------|
|                | 0                 | 45    | 90     |
| 45             | 23030             | 26448 | 29649  |
| 55             | 21565             | 27278 | 32290  |
| 65             | 19600             | 29613 | 37472  |
| 75             | 16723             | 36837 | 50701  |
| 85             | 11412             | 81248 | 121353 |

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