



FLEX 12

Flexible Low Voltage Trac System GEOMETRIC LAMPHOLDERS

TF160, TF161 and TF165

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

The pure conical and spherical forms of these lampholders create a sophisticated balance and harmony. Available in MR11 and MR16 styles that provide high intensity display and accent lighting. A wide variety of light control accessories complete the offering. May be mounted on Flex 12 Trac or Monopoints.

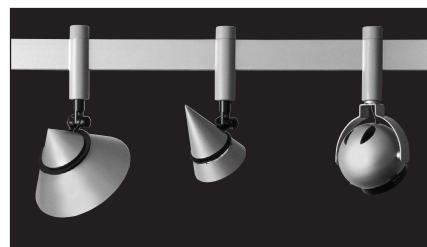
Socket Ceramic bi-pin.

Lens Glass lens included with each lampholder.

Aiming 90° vertical aiming capability and 358° rotation.

Labels UL listed, CSA certified • New York City Approved.

Specifications subject to change without notice.



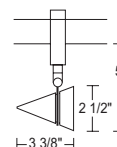
Low Voltage MR11 – Dart

| Catalog Number | Description | Finish | Lamp |
|----------------|-------------|--------|----------------------|
| TF161 SL | Dart | Silver | 35W MR11, 12V or 24V |

ACCESSORIES

| Cat. No. | Description | Cat. No. | Description |
|----------|-----------------------|----------|----------------------------------|
| CGF 175 | Color Glass Filter | DCCF 175 | Dichroic Color Correction Filter |
| DGF 175 | Dichroic Glass Filter | UVF 175 | UV Filter |

See specification sheet [D1.2.2](#) for details.



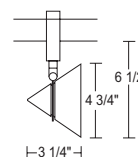
Low Voltage MR16 – Cone

| Catalog Number | Description | Finish | Lamp |
|----------------|-------------|--------|----------------------|
| TF160 SL | Cone | Silver | 50W MR16, 12V or 24V |

ACCESSORIES

| Cat. No. | Description | Cat. No. | Description | Cat. No. | Description |
|----------|----------------------------------|-------------|-------------------------------|---------------|--------------------------|
| CGF 175 | Color Glass Filter | SNOOTBL 175 | Snoot | LSPREAD 175 | Linear Spread Glass Lens |
| DGF 175 | Dichroic Glass Filter | PRISM 175 | Prismatic Spread Glass Lens | SOLITE 175 | Uniformity Lens (Solite) |
| DCCF 175 | Dichroic Color Correction Filter | DIFF 175 | Diffuse Glass Lens | EYEBROWBL 175 | Eyebrow |
| UVF 175 | UV Filter | HCLBL 175 | Hexagonal Cell Louver - Black | | |

See specification sheet [D1.2.2](#) for details.



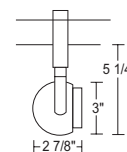
Low Voltage MR16 – Orb

| Catalog Number | Description | Finish | Lamp |
|----------------|-------------|--------|----------------------|
| TF165 SL | Orb | Silver | 50W MR16, 12V or 24V |

ACCESSORIES

| Cat. No. | Description | Cat. No. | Description | Cat. No. | Description |
|----------|----------------------------------|-----------|--------------------------------|-------------|-----------------------------|
| CGF 175 | Color Glass Filter | HCLBL 175 | Hexagonal Cell Louver - Louver | LSPREAD 175 | Linear Spread Glass Lens |
| DCCF 175 | Dichroic Color Correction Filter | DIFF 175 | Diffusion Glass Lens | SOLITE 175 | Uniformity Lens (Solite) |
| DGF 175 | Dichroic Glass Filter | UVF 175 | UV Filter | PRISM 175 | Prismatic Spread Glass Lens |

See specification sheet [D1.2.2](#) for details.

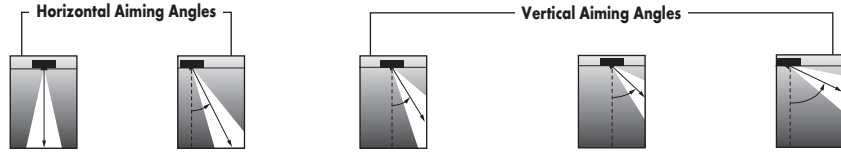


FLEX 12

Flexible Low Voltage Trac System GEOMETRIC LAMPHOLDERS

TF160, TF161 and TF165

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)



| Lamp | Beam Type | Beam Spread° | Rated Life | CBCP | 0° | | 30° | | | 30° | | | | 45° | | | | 60° | | | | | | | | | | | | |
|----------|-----------|--------------|------------|------|-----------|------|------|------|------|------|-----|-----|-----|------|-------|-----|-----|-----|------|------|-----|-----|------|-----|-----|----|-----|-----|-----|-----|
| | | | | | MH | FC | L | W | FC | L | W | D | FC | X | L | W | FC | X | L | W | D | FC | X | L | W | | | | | |
| 20W MR11 | SP | 15° | 3500 | 1760 | 2 | 440 | 0.5 | 0.5 | 286 | 0.7 | 0.6 | 1 | 220 | 1.7 | 1.1 | 0.5 | 622 | 1.0 | 0.5 | 0.4 | 2 | 286 | 1.2 | 0.7 | 0.6 | | | | | |
| | | | | | 4 | 110 | 1.1 | 1.1 | 71 | 1.4 | 1.2 | 2 | 55 | 3.5 | 2.2 | 1.1 | 156 | 3.0 | 1.1 | 0.7 | 3 | 127 | 1.7 | 1.1 | 0.9 | | | | | |
| | | | | | 6 | 49 | 1.6 | 1.6 | 32 | 2.1 | 1.8 | 3 | 24 | 5.2 | 3.3 | 1.6 | 69 | 3.0 | 1.6 | 1.1 | 4 | 71 | 2.3 | 1.4 | 1.2 | | | | | |
| | | | | | 8 | 28 | 2.1 | 2.1 | 18 | 2.8 | 2.4 | 4 | 14 | 6.9 | 4.4 | 2.1 | 39 | 4.0 | 2.1 | 1.5 | 5 | 46 | 2.9 | 1.8 | 1.5 | | | | | |
| | NFL | 30° | 3500 | 600 | 10 | 18 | 2.6 | 2.6 | 11 | 3.5 | 3.0 | 5 | 9 | 8.7 | 5.6 | 2.6 | 25 | 5.0 | 2.7 | 1.9 | 6 | 32 | 3.5 | 2.1 | 1.8 | | | | | |
| | | | | | 2 | 170 | 1.5 | 1.5 | 110 | 2.0 | 1.7 | 1 | 85 | 1.7 | 4.8 | 1.5 | 241 | 1.0 | 1.7 | 1.0 | 2 | 110 | 1.2 | 2.0 | 1.7 | | | | | |
| | | | | | 4 | 43 | 2.9 | 2.9 | 28 | 4.1 | 3.4 | 2 | 21 | 3.5 | 9.6 | 2.9 | 60 | 2.0 | 3.4 | 2.1 | 3 | 49 | 1.7 | 3.0 | 2.5 | | | | | |
| | | | | | 6 | 19 | 4.4 | 4.4 | 12 | 6.1 | 5.0 | 3 | 9 | 5.2 | 14.5 | 4.4 | 27 | 3.0 | 5.0 | 3.1 | 4 | 28 | 2.3 | 4.1 | 3.4 | | | | | |
| | | | | | 8 | 11 | 5.8 | 5.8 | 7 | 8.1 | 6.7 | 4 | 5 | 6.9 | 19.3 | 5.8 | 15 | 4.0 | 6.7 | 4.1 | 5 | 18 | 2.9 | 5.1 | 4.2 | | | | | |
| | | | | | 10 | 7 | 7.3 | 7.3 | 4 | 10.2 | 8.4 | 5 | 3 | 8.7 | 124.1 | 7.3 | 10 | 5.0 | 8.4 | 5.1 | 6 | 12 | 3.5 | 6.1 | 5.0 | | | | | |
| | | | | | Q50W MR16 | NSP | 15° | 6000 | 9100 | 4 | 638 | 1.0 | 1.0 | 414 | 1.3 | 1.1 | 2 | 319 | 3.5 | 2.1 | 1.0 | 902 | 2.0 | 1.0 | 0.7 | 8 | 104 | 4.6 | 2.6 | 2.3 |
| | | | | | | | | | | 6 | 283 | 1.5 | 1.5 | 184 | 2.0 | 1.7 | 3 | 142 | 5.2 | 3.1 | 1.5 | 401 | 3.0 | 1.5 | 1.0 | 10 | 66 | 5.8 | 3.3 | 2.8 |
| 8 | 159 | 2.0 | 2.0 | 104 | | | | | | 2.6 | 2.3 | 4 | 80 | 6.9 | 4.1 | 2.0 | 225 | 4.0 | 2.0 | 1.4 | 12 | 46 | 6.9 | 3.9 | 3.4 | | | | | |
| 10 | 102 | 2.5 | 2.5 | 66 | | | | | | 3.3 | 2.8 | 5 | 51 | 8.7 | 5.1 | 2.5 | 144 | 5.0 | 2.5 | 1.7 | 14 | 34 | 8.1 | 4.6 | 4.0 | | | | | |
| NFL | 25° | 6000 | 3200 | 12 | | 71 | 2.9 | 2.9 | 46 | 3.9 | 3.4 | 6 | 35 | 10.4 | 6.2 | 2.9 | 100 | 6.0 | 3.0 | 2.1 | 16 | 26 | 9.2 | 5.3 | 4.5 | | | | | |
| | | | | 4 | | 213 | 1.9 | 1.9 | 138 | 2.6 | 2.2 | 2 | 106 | 3.5 | 4.6 | 1.9 | 301 | 2.0 | 2.0 | 1.4 | 4 | 138 | 2.3 | 2.6 | 2.2 | | | | | |
| | | | | 6 | | 94 | 2.9 | 2.9 | 61 | 3.9 | 3.3 | 3 | 47 | 5.2 | 7.0 | 2.9 | 134 | 3.0 | 3.1 | 2.0 | 6 | 61 | 3.5 | 3.9 | 3.3 | | | | | |
| | | | | 8 | | 53 | 3.8 | 3.8 | 35 | 5.2 | 4.4 | 4 | 27 | 6.9 | 9.3 | 3.8 | 75 | 4.0 | 4.1 | 2.7 | 8 | 35 | 4.6 | 5.2 | 4.4 | | | | | |
| | | | | 10 | | 34 | 4.8 | 4.8 | 22 | 6.5 | 5.5 | 5 | 17 | 8.7 | 11.6 | 4.8 | 48 | 5.0 | 5.1 | 3.4 | 10 | 22 | 5.8 | 6.5 | 5.5 | | | | | |
| | | | | 12 | | 24 | 5.8 | 5.8 | 15 | 7.8 | 6.7 | 6 | 12 | 10.4 | 13.9 | 5.8 | 33 | 6.0 | 6.1 | 4.1 | 12 | 15 | 6.9 | 7.8 | 6.7 | | | | | |
| | | | | FL | | 40° | 6000 | 1700 | 4 | 116 | 2.9 | 2.9 | 75 | 4.1 | 3.4 | 2 | 58 | 3.5 | 9.6 | 2.9 | 164 | 2.0 | 3.4 | 2.1 | 4 | 75 | 2.3 | 4.1 | 3.4 | |
| | | | | | | | | | 6 | 51 | 4.4 | 4.4 | 33 | 6.1 | 5.0 | 3 | 26 | 5.2 | 14.5 | 4.4 | 73 | 3.0 | 5.0 | 3.1 | 6 | 33 | 3.5 | 6.1 | 5.0 | |
| 8 | 29 | 5.8 | 5.8 | | 19 | | | | 8.1 | 6.7 | 4 | 14 | 6.9 | 19.3 | 5.8 | 41 | 4.0 | 6.7 | 4.1 | 8 | 19 | 4.6 | 8.1 | 6.7 | | | | | | |
| 10 | 19 | 7.3 | 7.3 | | 12 | | | | 10.2 | 8.4 | 5 | 9 | 8.7 | 24.1 | 7.3 | 26 | 5.0 | 8.4 | 5.1 | 10 | 12 | 5.8 | 10.2 | 8.4 | | | | | | |
| 12 | 13 | 8.7 | 8.7 | 8 | 12.2 | 10.1 | 6 | 6 | 10.4 | ** | 8.7 | 18 | 6.0 | 10.1 | 6.2 | 12 | 8 | 6.9 | 12.2 | 10.1 | | | | | | | | | | |

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination."

**Due to steep aiming angle, length of beam extends beyond 25'.