



Collection of LED track projectors for commercial and institutional applications. Original design with circular driver housing and harmonious proportions. This elegant family of projectors is suitable for most modern interiors. Exceptional build quality from CNC machined aluminum and anodized finishes.

**Luminaire characteristic:**

**Power input:** 17.5W to 34.5W  
**Lumens:** 1100lm to 2255lm (3000K)  
**Luminaire efficacy:** Up to 72lm/W

**Source:** BRIDGELUX FULL SPECTRUM LED MODULE (LM-80):  
2700K,  
3000K,  
3500K.

**Lumen maintenance:** 90% of initial lumens at 100 000 hours (L90).

**Optic:** Available in spot, flood and wide flood.

**Material:** Body: Extruded aluminum housing and heatsink.  
Reflector: High bright faceted aluminum.  
Lens: PMMA TIR.

**Mounting:** **Tracks:**  
Sistemalux one or two circuits,  
Juno®,  
Lightolier®.  
**Canopy:**  
Round canopy, mounted on a 4" standard octagonal junction box.

**Adjustment:** Tilt adjustment: 90°,  
Pan adjustment: 165°/165°.

**Electrical:** Integral high efficiency LED driver rated at 50 000 hours. 120V or 120-277V.


**Dimming:** Track: Leading (TRIAC) and trailing edge (ELV) dimming (120V only), down to 15%.  
Canopy: 0-10V dimming (120-277V) or leading (TRIAC) and trailing edge (ELV) dimming (120V only). down to 15%.

**Finish:** White (RAL 9003), matte black or natural matte anodized with black accent. Track adaptor or canopy will match fixture color.

**Weight:** 2lb (0.9kg) including track adaptor.  
2.6lb (1.15kg) including track adaptor.

**Warranty:** 5 year limited warranty.

**Ratings:** IP20.

**Certification:**  cULus listed for damp location for canopy model.  
cULus listed for dry location for track model.

**ORDERING INFO**

FIXTURE

**MODEL**

- 1590** - Small       **1690** - Large

**MOUNTING**

- S1** - Sistemalux one circuit track<sup>(1)</sup>       Sistemalux two circuit track<sup>(2)</sup>       **C** - Canopy       **J** - Juno<sup>®(3)</sup>       **L** - Lightolier<sup>®(4)</sup>

**OUTPUT**

- BO** - Base output       **HO** - High output<sup>(6)</sup>

**LED**

- F27** - 2700K, Full spectrum       **F30** - 3000K, Full spectrum       **F35** - 3500K, Full spectrum

**OPTIC**

**TIR LENS**

- LSP - Spot**  
- Faretto small (15°)

**ALUMINUM REFLECTOR**

- 20 - Spot**  
- Faretto small (23°)  
- Faretto large (22°)

- 30 - Narrow flood**  
- Faretto small (29°)

- 45 - Flood**  
- Faretto small (39°)  
- Faretto large (47°)

- 60 - Wide flood**  
- Faretto small (56°)  
- Faretto large (59°)

**VOLTAGE**

- 120** - 120V       **277** - 277V<sup>(6)</sup>       **UNV** - 120-277V<sup>(6)(7)</sup>

**FINISH**

- 01** - White       **51** - Natural matte anodized       **52** - Matte black

**DIMMING**

- D10** - 0-10V<sup>(8)</sup>       **LTE** - Leading and trailing edge dimming (120V only)

<sup>(1)</sup> 8000 and 8000-S1 series. Also compatible with Cooper Lighting's Halo<sup>®</sup> L series tracks.

<sup>(2)</sup> Track adaptor with circuit selector. Compatible with TEK<sup>®</sup> and HTEK<sup>®</sup> tracks.

<sup>(3)</sup> Compatible with one circuit Juno<sup>®</sup> T series tracks.

<sup>(4)</sup> Compatible with one circuit Lightolier<sup>®</sup> lytespan basic and advent series tracks

<sup>(5)</sup> Available for large (L) model.

<sup>(6)</sup> Available for Sistemalux two circuit track mounting.

<sup>(7)</sup> Available for canopy (C) mounting.

<sup>(8)</sup> Available for 120-277V (UNV) voltage.

**ACCESSORIES (TO BE ORDERED SEPARATELY)**

\*Fixture can hold a maximum of 3 accessories at a time.



**SOFT FOCUS LENS**

- 1593** - Small model  
Included with reflector optic
- 1693** - Large model  
Included with reflector optic



**BLACK CROSS BAFFLE**

- 1594-52** - Length: 5/8" (15mm) - Small faretto model
- 1694-52** - Length: 13/16" (21mm) - Large faretto model



**FROSTED LENS**

- 1599** - Small model
- 1699** - Large model



**BLACK SNOOT**

- 1597-52** - Length: 1 1/8" (29mm) - Small faretto model
- 1697-52** - Length: 1 1/4" (40mm) - Large faretto model



**ELLIPTIC LENS**

- 1598** - Small model
- 1698** - Large model



**WHITE SNOOT / BLACK INTERIOR**

- 1597-21** - Length: 1 1/8" (29mm) - Small faretto model
- 1697-21** - Length: 1 1/4" (40mm) - Large faretto model

**BLACK HEX CELL LOUVER**

- 1596-52** - Small model
- 1696-52** - Large model



**BLACK VISOR WALL WASHER**

- 1595-52** - Length: 1 1/4" (33mm) - Small faretto model
- 1700-52** - Length: 1 1/4" (40mm) - Large faretto model



**INTERCHANGEABLE ALUMINUM REFLECTOR**  
AVAILABLE WITH REFLECTOR OPTICS

**Optic 20**

- 1740** - 23° - Small model
- 1707** - 22° - Large model

**Optic 30**

- 1741** - 29° - Small model



**Optic 45**

- 1742** - 39° - Small model
- 1708** - 47° - Large model

**Optic 60**

- 1743** - 56° - Small model
- 1709** - 59° - Large model

**FULL SPECTRUM SOLUTION FOR NATURAL LIGHT**

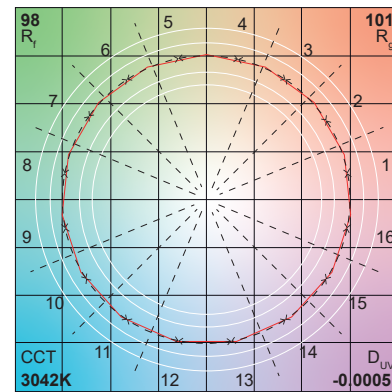
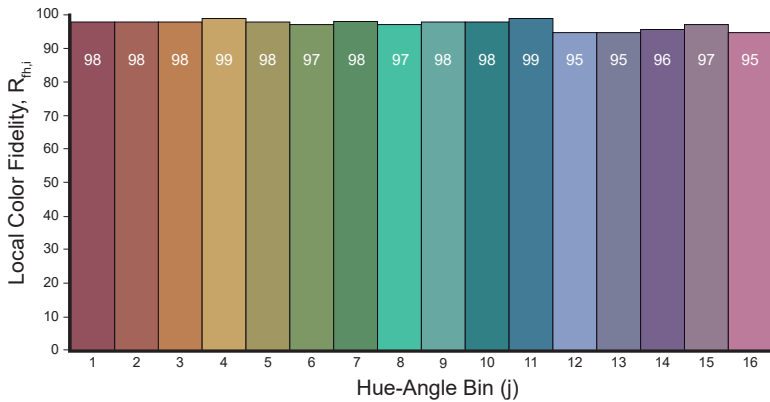
Engineered to provide the closest match to natural light available, our full spectrum solution brings natural light indoors.

The high-fidelity spectral output creates stunning environments with excellent color rendering and outstanding TM-30 metrics. Target applications included office, education, healthcare, retail, hospitality, architectural, museums, and residential lighting.

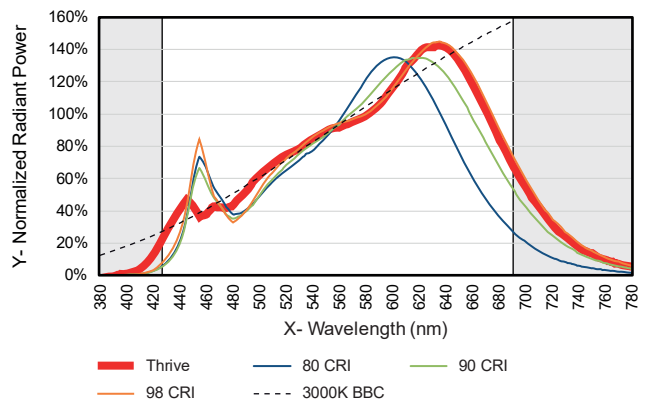
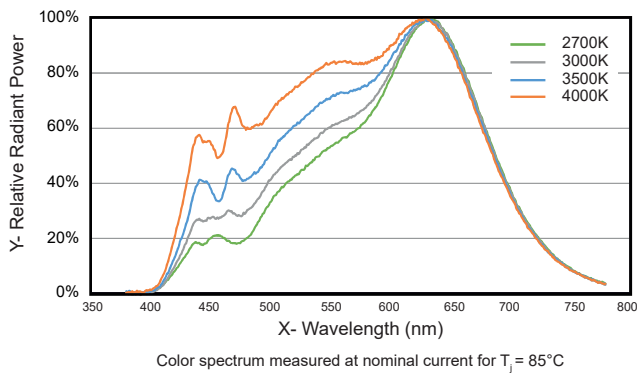
| Nominal CCT <sup>1</sup> | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | Rf | Rg  |
|--------------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|-----|
| 2700K                    | 97 | 99 | 94 | 94 | 97 | 98 | 97 | 98 | 99 | 97  | 91  | 98  | 98  | 95  | 98  | 95 | 103 |
| 3000K                    | 98 | 99 | 93 | 94 | 97 | 98 | 96 | 96 | 97 | 96  | 92  | 95  | 98  | 95  | 97  | 95 | 104 |
| 3500K                    | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 97 | 93 | 97  | 97  | 95  | 98  | 97  | 98  | 95 | 98  |

Typical Color Rendering Index and TM-30 Values at, T = 85°C

**TM-30 Data for 3000K**

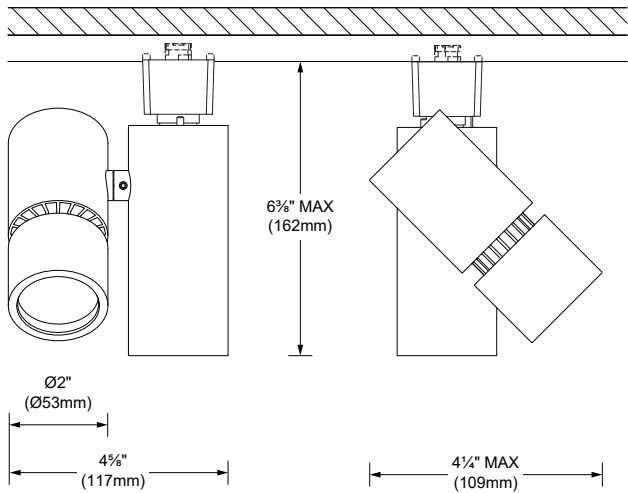


**Typical Color Spectrum**

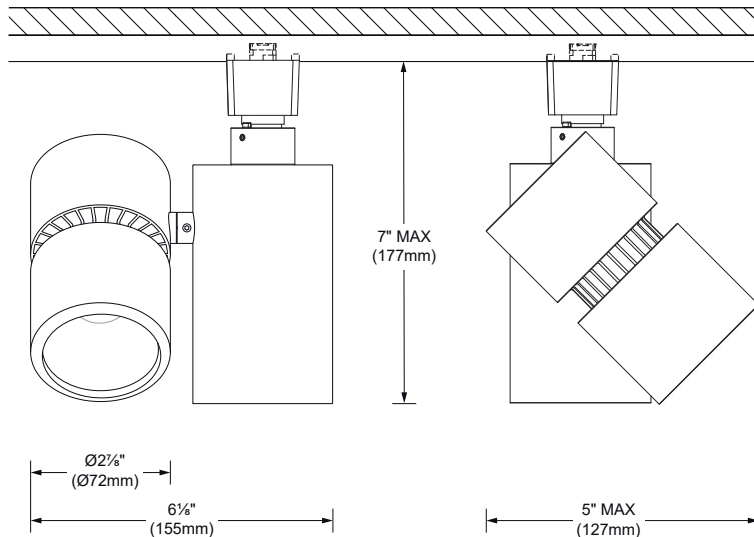


**DIMENSIONS**

**SMALL 1590**



**LARGE 1690**



**FRONT VIEW**

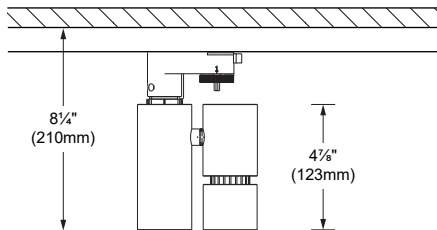
**SIDE VIEW**

**FRONT VIEW**

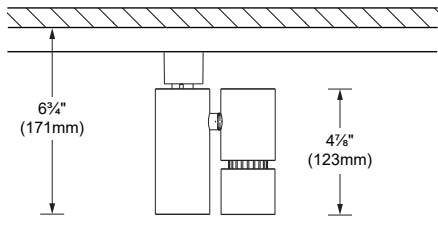
**SIDE VIEW**

**MOUNTING**

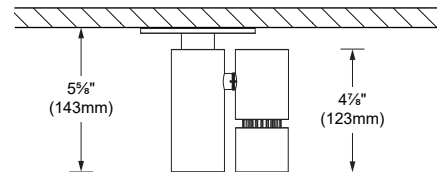
**SMALL 1590**



**1590**  
Suitable for ceiling

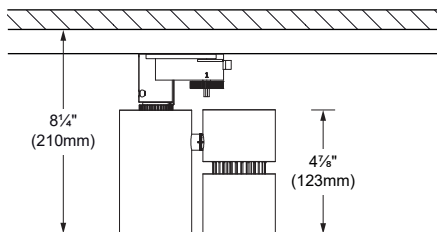


**1590S1 / J / L**  
Suitable for ceiling

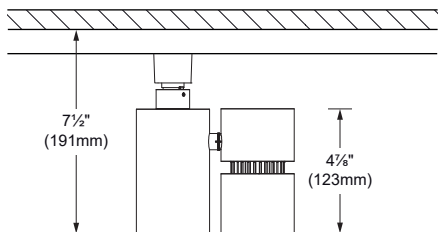


**1590C**  
Suitable for ceiling

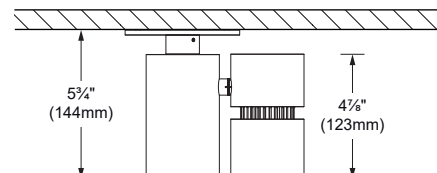
**LARGE 1690**



**1690**  
Suitable for ceiling



**1690S1 / J / L**  
Suitable for ceiling

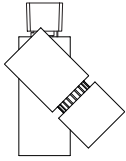


**1690C**  
Suitable for ceiling

**PHOTOMETRIC DATA**

Photometric performance is measured at an accredited independent laboratory in accordance with IESNA LM-79. Visit [sistemalux.com](http://sistemalux.com) for complete photometric data.

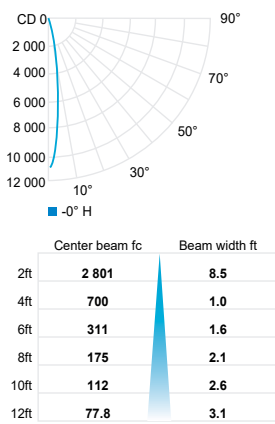
**1590 - SMALL**



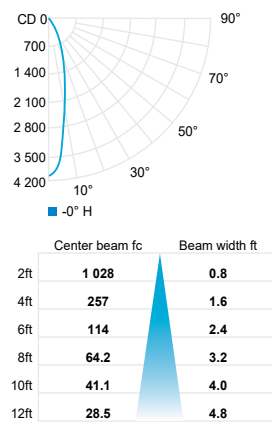
| CCT (K)* | LOAD (W) | OPTIC            | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODELS       |
|----------|----------|------------------|-------------|-------------------|------------------|--------------|
| 3000K    | 18.5W    | Lens spot 15°    | 1 100       | 59                | 11 200           | 1590-F30-LSP |
|          | 17.5W    | Spot 23°         | 1 270       | 72                | 4 111            | 1590-F30-20  |
|          |          | Narrow flood 29° | 1 260       | 72                | 3 020            | 1590-F30-30  |
|          |          | Flood 39°        | 1 260       | 72                | 2 235            | 1590-F30-45  |
|          |          | Wide flood 56°   | 1 255       | 71                | 1 500            | 1590-F30-60  |

\*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

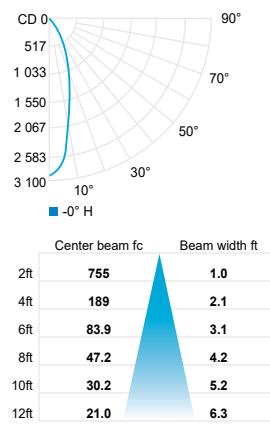
Lens spot 15° (3000K, Full spectrum)



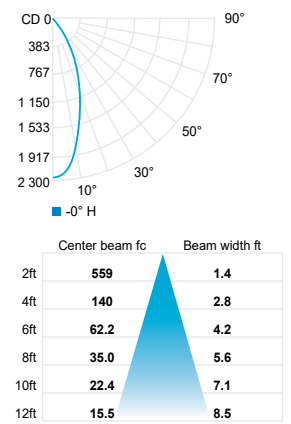
Spot 23° (3000K, Full spectrum)



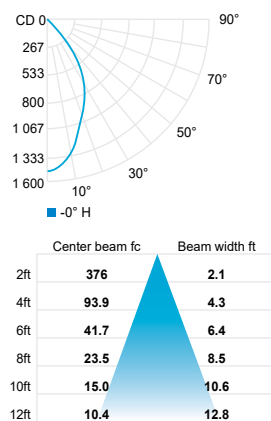
Narrow flood 29° (3000K, Full spectrum)



Flood 39° (3000K, Full spectrum)



Wide flood 56° (3000K, Full spectrum)

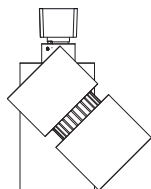


|                   | Reflector     |               |               | Lens spot 15° (LSP) |               |               |
|-------------------|---------------|---------------|---------------|---------------------|---------------|---------------|
| CCT options       | 2700K         | 3000K         | 3500K         | 2700K               | 3000K         | 3500K         |
| CRI options       | Full spectrum | Full spectrum | Full spectrum | Full spectrum       | Full spectrum | Full spectrum |
| <b>Multiplier</b> | <b>0.92</b>   | <b>1</b>      | <b>1.04</b>   | <b>0.86</b>         | <b>1</b>      | <b>1.05</b>   |

**PHOTOMETRIC DATA**

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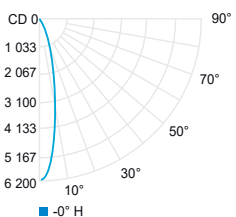
**1690 - LARGE**



| CCT (K)* | OUTPUT | LOAD (W) | OPTIC          | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODELS         |
|----------|--------|----------|----------------|-------------|-------------------|------------------|----------------|
| 3000K    | BO     | 28.5W    | Spot 22°       | 1 775       | 62                | 6 110            | 1690-BO-F30-20 |
|          |        |          | Flood 47°      | 1 750       | 61                | 2 505            | 1690-BO-F30-45 |
|          |        |          | Wide flood 59° | 1 610       | 56                | 1 790            | 1690-BO-F30-60 |
|          | HO     | 34.5W    | Spot 22°       | 2 050       | 59                | 6 907            | 1690-HO-F30-20 |
|          |        |          | Flood 47°      | 2 255       | 65                | 3 225            | 1690-HO-F30-45 |
|          |        |          | Wide flood 59° | 2 070       | 60                | 2 305            | 1690-HO-F30-60 |

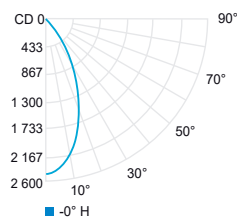
\*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

Spot BO 22° (3000K, Full spectrum)



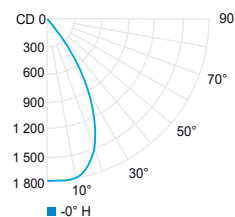
| Center beam fc | Beam width ft |
|----------------|---------------|
| 2ft            | 1 528 0.8     |
| 4ft            | 382 1.5       |
| 6ft            | 170 2.3       |
| 8ft            | 95.5 3.1      |
| 10ft           | 61.1 3.8      |
| 12ft           | 42.4 4.6      |

Flood BO 47° (3000K, Full spectrum)



| Center beam fc | Beam width ft |
|----------------|---------------|
| 2ft            | 627 1.7       |
| 4ft            | 157 3.5       |
| 6ft            | 69.7 5.2      |
| 8ft            | 39.2 7.0      |
| 10ft           | 25.1 8.7      |
| 12ft           | 17.4 10.5     |

Wide flood BO 59° (3000K, Full spectrum)



| Center beam fc | Beam width ft |
|----------------|---------------|
| 2ft            | 444 2.2       |
| 4ft            | 111 4.5       |
| 6ft            | 49.4 6.7      |
| 8ft            | 27.8 9.0      |
| 10ft           | 17.8 11.2     |
| 12ft           | 12.3 13.5     |

|                   | Reflector     |               |               |
|-------------------|---------------|---------------|---------------|
| CCT options       | 2700K         | 3000K         | 3500K         |
| CRI options       | Full spectrum | Full spectrum | Full spectrum |
| <b>Multiplier</b> | <b>0.92</b>   | <b>1</b>      | <b>1.04</b>   |