



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>(5)</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® L series tracks.

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

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

<sup>(4)</sup> Compatible with one circuit Lightolier® Iytespan 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



**1693** - Large model

**FROSTED LENS**

**1599** - Small model



**1699** - Large model

**ELLIPTIC LENS**

**1598** - Small model



**1698** - Large model

**BLACK HEX CELL LOUVER**

**1596-52** - Small model



**1696-52** - Large 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

**BLACK CROSS BAFFLE**

**1594-52** - Length: 5/8" (15mm) - Small faretto model



**1694-52** - Length: 13/16" (21mm) - Large faretto model

**BLACK SNOOT**

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



**1697-52** - Length: 1 1/4" (40mm) - Large faretto 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 VISOR WALL WASHER**

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



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

**FULL SPECTRUM SOLUTION FOR NATURAL LIGHT**

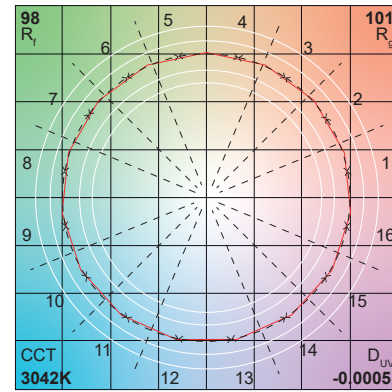
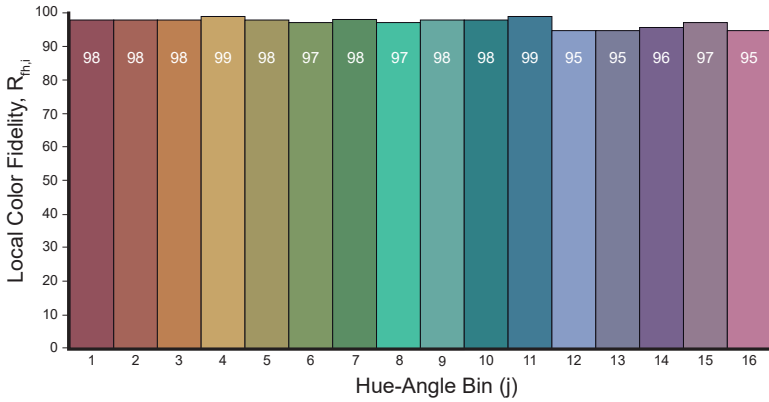
Engineered to provide the closest match to natural light available, our full spectrum solution brings natural light indoors.

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.

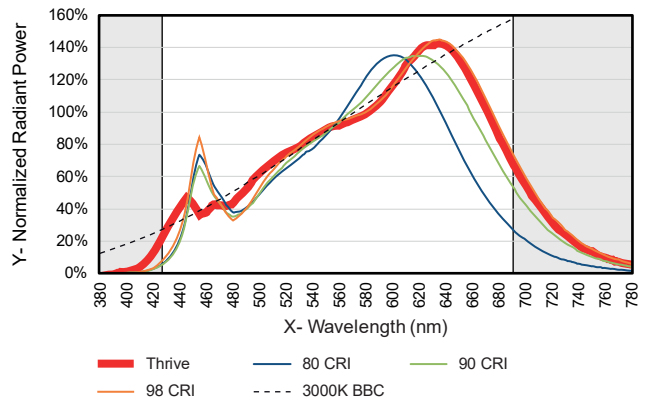
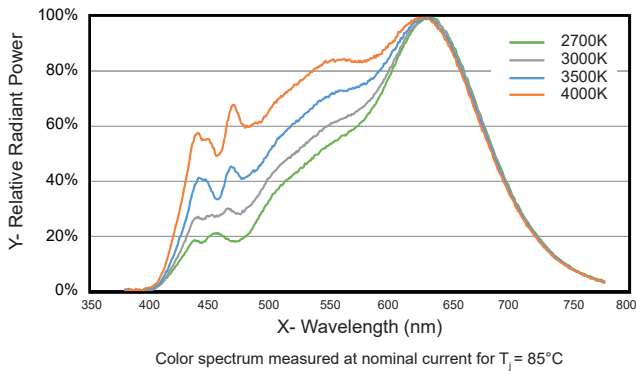
Nominal CCT <sup>1</sup>	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg
2700K	97	99	94	94	97	98	97	98	99	97	91	98	98	95	98	95	103
3000K	98	99	93	94	97	98	96	96	97	96	92	95	98	95	97	95	104
3500K	98	98	97	98	98	98	98	97	93	97	97	95	98	97	98	95	98

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

**TM-30 Data for 3000K**

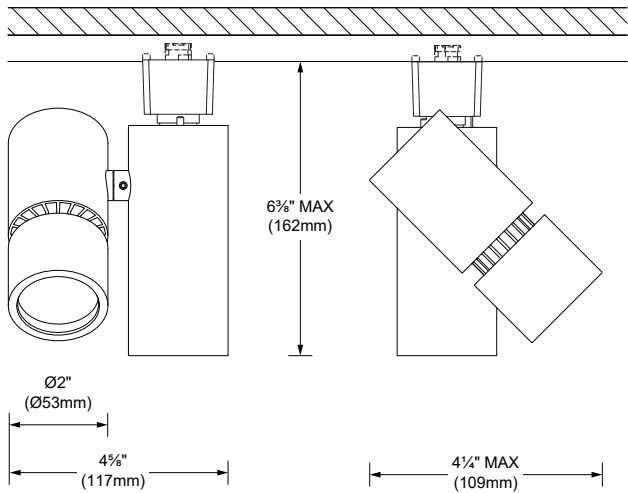


**Typical Color Spectrum**

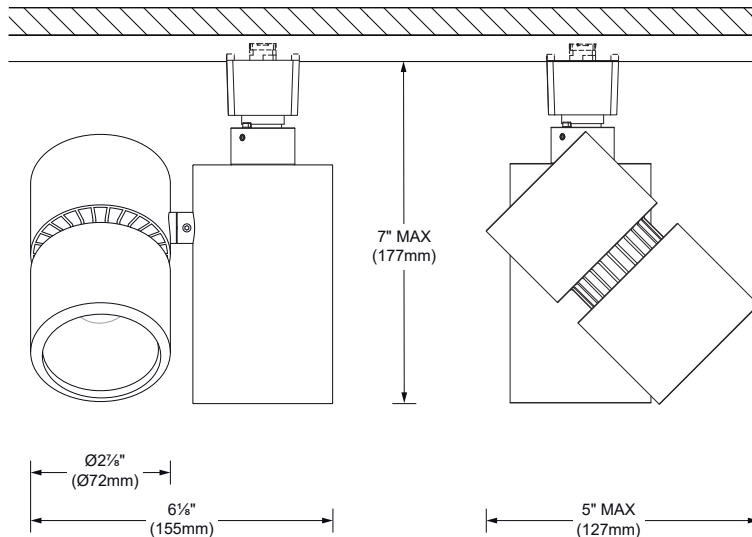


**DIMENSIONS**

**SMALL 1590**



**LARGE 1690**



**FRONT VIEW**

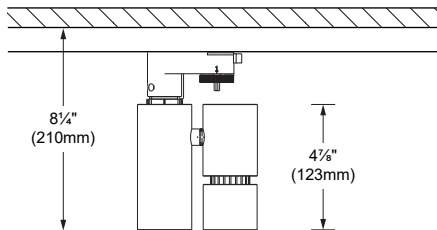
**SIDE VIEW**

**FRONT VIEW**

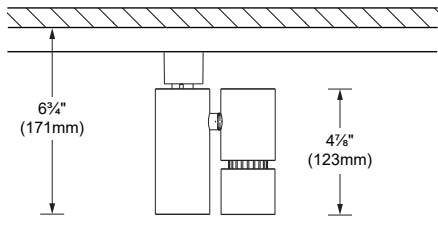
**SIDE VIEW**

**MOUNTING**

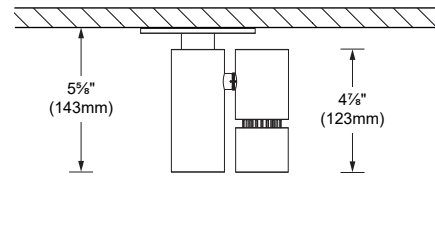
**SMALL 1590**



**1590**  
Suitable for ceiling

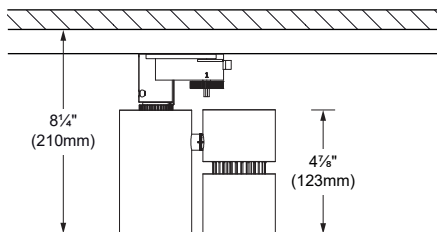


**1590S1 / J / L**  
Suitable for ceiling

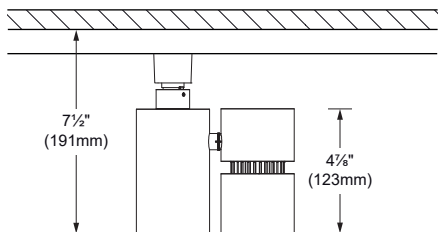


**1590C**  
Suitable for ceiling

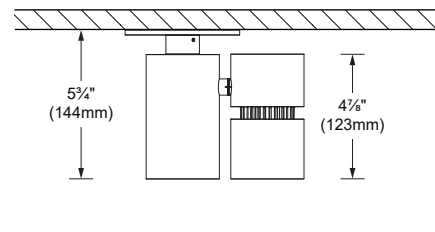
**LARGE 1690**



**1690**  
Suitable for ceiling



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

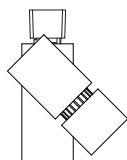


**1690C**  
Suitable for ceiling

**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.

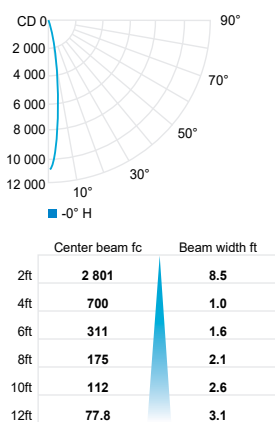
**1590 - SMALL**



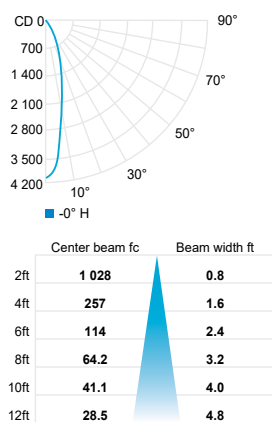
CCT (K)*	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	18.5W	Lens spot 15°	1 100	59	11 200	1590-F30-LSP
	17.5W	Spot 23°	1 270	72	4 111	1590-F30-20
		Narrow flood 29°	1 260	72	3 020	1590-F30-30
		Flood 39°	1 260	72	2 235	1590-F30-45
		Wide flood 56°	1 255	71	1 500	1590-F30-60

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

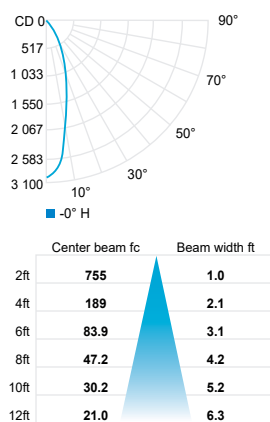
Lens spot 15° (3000K, Full spectrum)



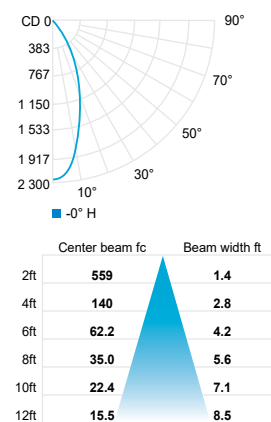
Spot 23° (3000K, Full spectrum)



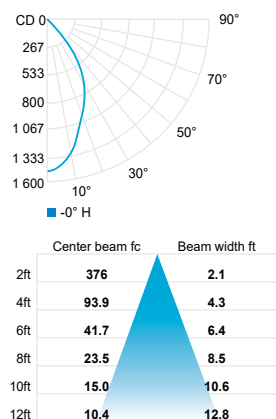
Narrow flood 29° (3000K, Full spectrum)



Flood 39° (3000K, Full spectrum)



Wide flood 56° (3000K, Full spectrum)

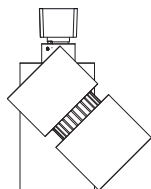


	Reflector			Lens spot 15° (LSP)		
CCT options	2700K	3000K	3500K	2700K	3000K	3500K
CRI options	Full spectrum	Full spectrum	Full spectrum	Full spectrum	Full spectrum	Full spectrum
<b>Multiplier</b>	<b>0.92</b>	<b>1</b>	<b>1.04</b>	<b>0.86</b>	<b>1</b>	<b>1.05</b>

**PHOTOMETRIC DATA**

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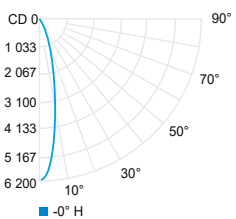
**1690 - LARGE**



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

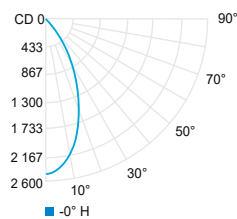
\*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

Spot BO 22° (3000K, Full spectrum)



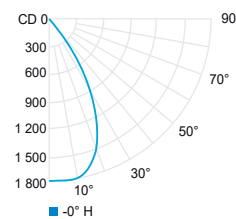
	Center beam fc	Beam width ft
2ft	1 528	0.8
4ft	382	1.5
6ft	170	2.3
8ft	95.5	3.1
10ft	61.1	3.8
12ft	42.4	4.6

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>