



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 2865lm (for 3000K, 80CRI)  
**Luminaire efficacy:** Up to 104lm/W

**Source:** BRIDGELUX VERO LED MODULE, (LM-80)  
2700K: 90CRI  
3000K: 80CRI, 90CRI  
3500K: 80CRI, 90CRI  
4000K: 80CRI

**Lumen maintenance:** 90% of initial lumens at 132 000 hours (L90).

**Optic:** Available in spot, narrow flood, 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. Design Lights Consortium® (DLC). To confirm which versions are qualified, please consult the product list: [www.designlights.org/QPL](http://www.designlights.org/QPL).



**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**

- 927** - 2700K, 90CRI<sup>(6)</sup>       **830** - 3000K, 80CRI       **835** - 3500K, 80CRI       **840** - 4000K, 80CRI  
 **930** - 3000K, 90CRI<sup>(6)</sup>       **935** - 3500K, 90CRI<sup>(6)</sup>

**OPTIC**

**TIR LENS**

**ALUMINUM REFLECTOR**

- LSP - Lens spot**<sup>(6)</sup>  
     - Faretto small (15°)  
     - Faretto large (15°)
- 20 - Spot**  
     - Faretto small (23°)  
     - Faretto large (22°)
- 30 - Narrow flood**  
     - Faretto small (29°)
- 45 - Flood**  
     - Faretto small (38°)  
     - Faretto large (45°)
- 60 - Wide flood**  
     - Faretto small (56°)  
     - Faretto Large (59°)

**VOLTAGE**

- 120** - 120V       **277** - 277V<sup>(7)</sup>       **UNV** - 120-277V<sup>(8)</sup>

**FINISH**

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

**DIMMING**

- D10** - 0-10V<sup>(9)</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® Lytespan basic and advent series tracks

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

<sup>(6)</sup> Available for 927, 930, 935 LED.

<sup>(7)</sup> Available for Sistemalux two circuit track mounting.

<sup>(8)</sup> Available for canopy (C) mounting.

<sup>(9)</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
- 1708** - 47° - Large model



**Optic 45**

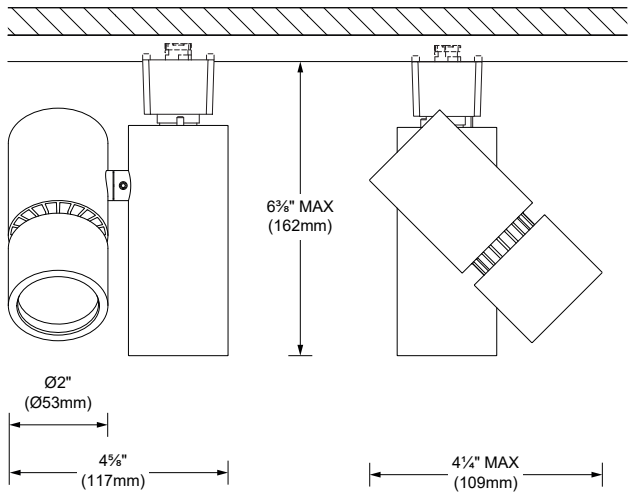
- 1742** - 38° - Small model
- 1709** - 59° - Large model

**Optic 60**

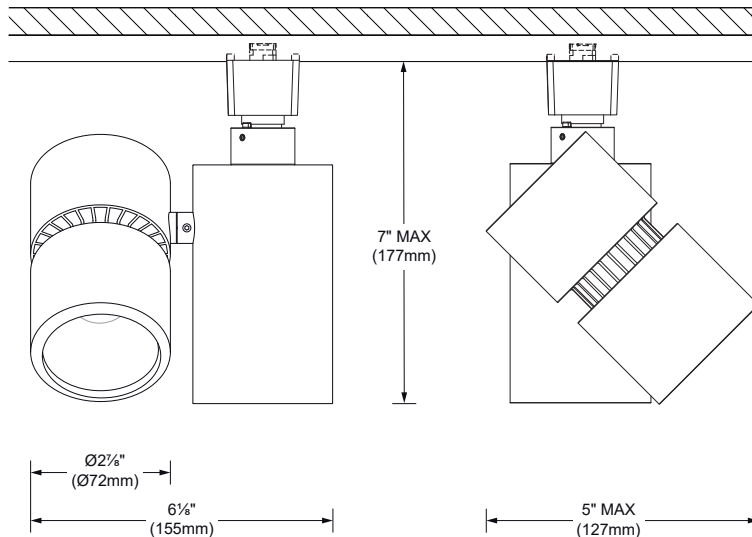
- 1743** - 56° - Small model

**DIMENSIONS**

**SMALL 1590**



**LARGE 1690**



**FRONT VIEW**

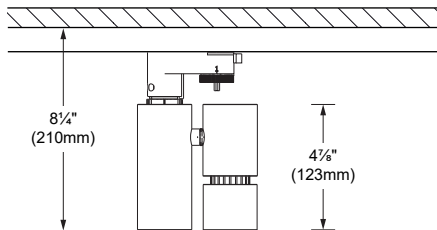
**SIDE VIEW**

**FRONT VIEW**

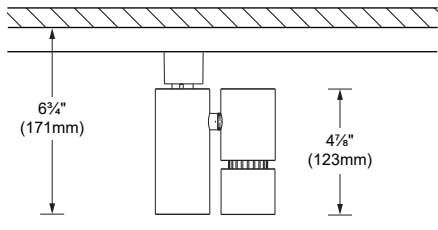
**SIDE VIEW**

**MOUNTING**

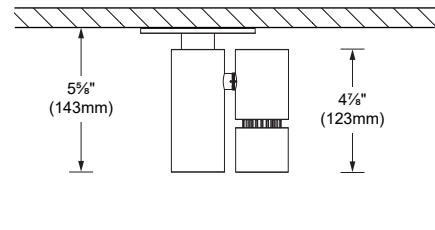
**SMALL 1590**



**1590**  
Suitable for ceiling

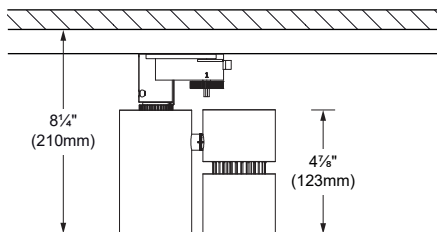


**1590S1 / J / L**  
Suitable for ceiling

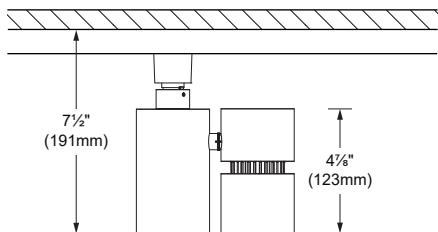


**1590C**  
Suitable for ceiling

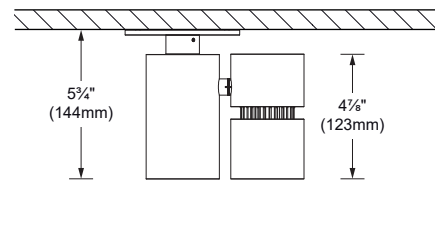
**LARGE 1690**



**1690**  
Suitable for ceiling



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

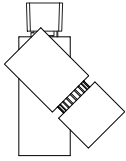


**1690C**  
Suitable for ceiling

**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.

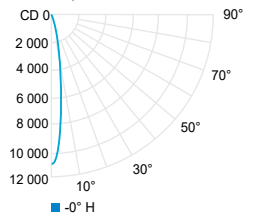
**1590 - SMALL**



CCT (K)*	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000K	90	18.5W	Lens spot 15°	1 100	59	11 200	1590-930-LSP
	80	17.5W	Spot 23°	1 825	104	5 790	1590-830-20
			Narrow flood 29°	1 810	103	4 330	1590-830-30
			Flood 38°	1 805	103	3 210	1590-830-45
			Wide flood 56°	1 805	103	2 155	1590-830-60

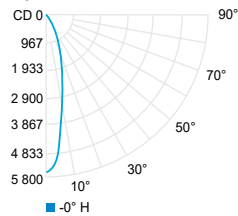
\*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

Lens spot 15° (3000K, 80CRI)



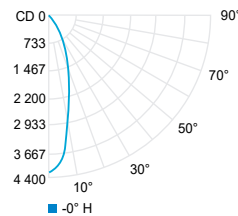
Center beam fc	Beam width ft
2ft	2 801 0.5
4ft	700 1.0
6ft	311 1.6
8ft	175 2.1
10ft	112 2.6
12ft	77.8 3.1

Spot 23° (3000K, 80CRI)



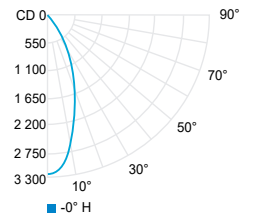
Center beam fc	Beam width ft
2ft	1 448 0.8
4ft	362 1.7
6ft	161 2.5
8ft	90.5 3.3
10ft	57.9 4.7
12ft	40.2 5.7

Narrow flood 29° (3000K, 80CRI)



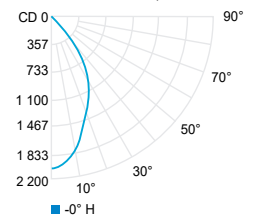
Center beam fc	Beam width ft
2ft	1 083 1.0
4ft	271 2.1
6ft	120 3.1
8ft	67.7 4.2
10ft	43.3 5.2
12ft	30.1 6.3

Flood 38° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	803 1.4
4ft	201 2.8
6ft	89.2 4.2
8ft	50.2 5.6
10ft	31.2 7.1
12ft	22.3 8.5

Wide flood 56° (3000K, 80CRI)



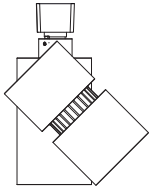
Center beam fc	Beam width ft
2ft	539 2.1
4ft	135 4.3
6ft	59.9 6.4
8ft	33.7 8.5
10ft	21.6 10.6
12ft	15.0 12.8

	Reflector						Lens spot 15° (LSP)		
	2700K	3000K	3000K	3500K	3500K	4000K	2700K	3000K	3500K
CCT options	2700K	3000K	3000K	3500K	3500K	4000K	2700K	3000K	3500K
CRI options	90CRI	90CRI	80CRI	80CRI	90CRI	80CRI	90CRI	90CRI	90CRI
<b>Multiplier</b>	<b>0.80</b>	<b>0.84</b>	<b>1</b>	<b>1.04</b>	<b>0.86</b>	<b>1.04</b>	<b>0.94</b>	<b>1</b>	<b>1.02</b>

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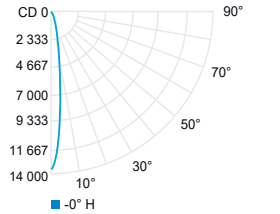
**1690 - LARGE**



CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)	MODELS	
3000K	90	BO	20.5W	Lens spot 15°	1 175	57	13 390	1690-BO-930-LSP	
				Spot 22°	2 475	86	8 535	1690-BO-830-20	
			28.5W	Flood 47°	2 445	85	3 500	1690-BO-830-45	
				Wide flood 59°	2 245	78	2 500	1690-BO-830-60	
	80	HO	29.5W	34.5W	Lens spot 15°	1 590	53	18 100	1690-HO-930-LSP
					Spot 22°	2 865	83	9 645	1690-HO-830-20
			34.5W	Flood 47°	2 835	82	4 060	1690-HO-830-45	
				Wide flood 59°	2 605	75	2 900	1690-HO-830-60	

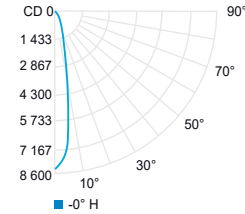
\*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

Lens spot BO 15° (3000K, 90CRI)



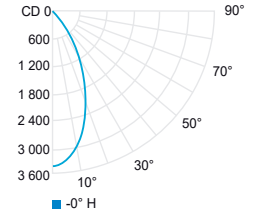
Center beam fc	Beam width ft
2ft	3 349 0.5
4ft	837 1.0
6ft	372 1.5
8ft	209 2.0
10ft	134 2.5
12ft	93.0 3.0

Spot BO 22° (3000K, 80CRI)



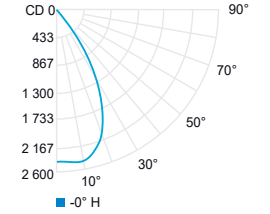
Center beam fc	Beam width ft
2ft	2 134 0.8
4ft	534 1.7
6ft	237 2.3
8ft	133 3.1
10ft	85.4 3.8
12ft	59.3 4.6

Flood BO 47° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	876 1.7
4ft	219 3.5
6ft	97.3 5.2
8ft	54.7 7.0
10ft	35.0 8.7
12ft	24.3 10.5

Wide flood BO 59° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	621 2.2
4ft	155 4.5
6ft	68.9 6.7
8ft	38.8 9.0
10ft	24.8 11.2
12ft	17.2 13.5

	Reflector						Lens spot 15° (LSP)		
	2700K	3000K	3000K	3500K	3500K	4000K	2700K	3000K	3500K
CCT options	2700K	3000K	3000K	3500K	3500K	4000K	2700K	3000K	3500K
CRI options	90CRI	90CRI	80CRI	80CRI	90CRI	80CRI	90CRI	90CRI	90CRI
<b>Multiplier</b>	<b>0.80</b>	<b>0.84</b>	<b>1</b>	<b>1.04</b>	<b>0.86</b>	<b>1.04</b>	<b>0.94</b>	<b>1</b>	<b>1.02</b>

**LED COLOR FIDELITY DATA**

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
80	3000K	82	92	97	83	83	90	84	61	12	81	82	75	85	99	75	86	96	0.52
	3500K	81	89	95	80	80	84	85	63	9	73	78	61	82	97	75	83	97	0.58
	4000K	80	88	93	81	80	83	87	66	10	71	79	56	82	96	74	83	95	0.67
90	2700K	91	94	93	90	89	91	93	82	60	83	89	74	91	95	88	89	101	0.44
	3000K	94	96	96	91	92	94	93	85	66	89	90	77	94	97	92	90	100	0.51
	3500K	95	98	96	92	93	94	94	88	74	91	91	74	96	97	94	90	99	0.65