



Collection of LED track projectors for commercial applications. Timeless design with harmonious proportions this elegant series of projectors is suitable for most modern interiors. Proprietary heat sink design with exceptional thermal performance yields reliable color consistency and output performance during the life of the product.

Luminaire characteristics:

Power input: 12.5W to 49.5W
Lumens: 890lm to 5340lm (for 3000K, 80CRI)
Luminaire efficacy: Up to 112lm/W

Source: BRIDGELUX VERO LED MODULE (LM-80 tested)
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: Optical body, pivot arm and trim: Die-cast aluminum,
Heat sink: Aluminum alloy,
Reflector: High bright faceted aluminum,
Lens: PMMA TIR.

Mounting: **Tracks:**
Sistimalux one, two circuit or two circuit with data conductors
Stucchi Onetrack® two circuit with data conductors.
Juno®,
Lightolier®.
Canopy:
Round canopy,
mounted on a standard 4" octagonal junction box.

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

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

Dimming: Supply standard: Leading (TRIAC) and trailing edge
(ELV)(120V), down to 15%.
0-10V for Sistimalux two circuit with data track
(120V or 277V) and canopy models (120-277V),
down to 15%.

Finish: White (RAL9003) or matte black.
Track adaptor or canopy will match fixture color.

Weight: 1.5lb to 3.9lb (0.68kg to 1.77kg)

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.



ORDERING INFO

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FIXTURE



MODEL

- 1770** - Small **1780** - Medium **1790** - Large

MOUNTING

- S1** - Sistemalux one circuit track⁽¹⁾ Sistemalux two circuit track⁽²⁾ **J** - Juno^{®(3)} **W** - Sistemalux one circuit track (wall or ceiling)⁽⁴⁾ **T** - Sistemalux two circuit track with data (wall or ceiling)⁽⁴⁾
- C** - Canopy (wall or ceiling) **L** - Lightolier^{®(5)}

OUTPUT

- BO** - Base output **HO** - High output

LED

- 927** - 2700K, 90CRI **830** - 3000K, 80CRI **835** - 3500K, 80CRI **840** - 4000K, 80CRI
- 930** - 3000K, 90CRI **935** - 3500K, 90CRI

OPTIC

TIR LENS

ALUMINUM REFLECTOR

- LSP - Lens spot⁽⁶⁾**
- Studio small (15°)
- Studio medium (15°)
- Studio large (15°)
- 20 - Spot**
- Studio small (26°)
- Studio medium (24°)
- Studio large (24°)
- 40 - Narrow flood**
- Studio small (33°)
- Studio medium (34°)
- Studio large (39°)
- 50 - Flood**
- Studio small (42°)
- Studio medium (48°)
- Studio large (50°)
- 60 - Wide flood**
- Studio small (57°)

VOLTAGE

- 120** - 120V **277** - 277V⁽⁷⁾ **UNV** - 120-277V⁽⁸⁾

FINISH

- 01** - White **52** - Matte black

DIMMING**

- D10** - 0-10V⁽⁹⁾ **LTE** - Leading and trailing edge dimming (120V only)⁽¹⁰⁾

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

⁽²⁾ Track adaptor with circuit selector. Compatible with TEK® and HTEK® tracks.

⁽³⁾ Compatible with one circuit Juno® T series tracks.

⁽⁴⁾ Track adaptor with circuit selector. Compatible with Stucchi Onetrack® two circuits with data.

⁽⁵⁾ Compatible with one circuit Lightolier® lytespan basic and advent series tracks.

⁽⁶⁾ Available for 927, 930, 935 LED.

Not available for Studio small (1770) with Sistemalux two circuit track with data (T) mounting and high output (HO).

⁽⁷⁾ Available for Sistemalux 2 circuit track mountings and Sistemalux two circuit track with data (T) mounting. Dimming only available with Sistemalux two circuit track with data (T) mounting.

Not available for Studio small (1770) with high output (HO) and lens spot (LSP) optic.

⁽⁸⁾ Available for canopy (C) mounting.

Not available for Studio small (1770) with high output (HO) and lens spot (LSP) optic.

⁽⁹⁾ Available for 120-277V (UNV) voltage with canopy (C) mounting or Sistemalux two circuit track with data 120V or 277V (T) mounting.

⁽¹⁰⁾ Not available for Sistemalux two circuit track with data (T).

**15% dimming options: For leading and trailing edge and 0-10V (LTE and D10), the dimming levels will vary depending on the dimmer used and the number of luminaires on the line.

ACCESSORIES (TO BE ORDERED SEPARATELY)

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



SOFT FOCUS LENS

- 1593** - For studio small
Included with reflector optic
- 1725** - For studio medium
- 1720** - For studio large



FROSTED LENS

- 1599** - For Studio small
- 1726** - For Studio medium
- 1721** - For Studio large



ELLIPTIC LENS

- 1598** - For Studio small
- 1727** - For Studio medium
- 1722** - For Studio large



BLACK HEX CELL LOUVER

- 1596-52** - For Studio small
- 1728-52** - For Studio medium
- 1723-52** - For Studio large



INTERCHANGEABLE ALUMINUM REFLECTOR
AVAILABLE WITH REFLECTOR OPTICS

Optic 20

- 1740** - For Studio small (26°)
- 1736** - For Studio medium (24°)
- 1715** - For Studio large (24°)

Optic 40

- 1741** - For Studio small (33°)
- 1737** - For Studio medium (34°)
- 1716** - For Studio large (39°)



BLACK CROSS BAFFLE

- 1694-52** - For Studio small (Length: 7/8" - 21mm)
- 1730-52** - For Studio medium (Length: 1 1/2" - 38mm)
- 1724-52** - For Studio large (Length: 1 3/4" - 47mm)



BLACK SNOOT

- 1697-52** - For Studio small (Length: 1 1/8" - 40mm)
- 1729-52** - For studio medium (Length: 2 1/2" - 64mm)
- 1732-52** - For studio large (Length: 2 7/8" - 72mm)



WHITE SNOOT / BLACK INTERIOR

- 1697-21** - For Studio small (Length: 1 1/8" - 40mm)
- 1729-21** - For studio medium (Length: 2 1/2" - 64mm)
- 1732-21** - For studio large (Length: 2 7/8" - 72mm)



BLACK VISOR WALL WASHER

- 1700-52** - For studio small (Length: 1 5/8" - 40mm)
- 1731-52** - For studio medium (Length: 2 1/2" - 64mm)
- 1733-52** - For studio large (Length: 2 7/8" - 72mm)



ADJUSTABLE BARN DOORS

- 1739-52** - For studio medium (Length: 3 1/4" - 83mm)
- 1734-52** - For studio large (Length: 3 3/4" - 93.5mm)



Optic 50

- 1742** - For Studio small (42°)
- 1738** - For Studio medium (48°)
- 1717** - For Studio large (50°)

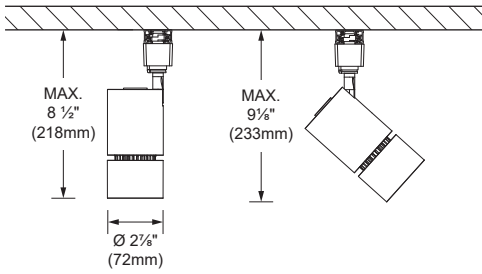
Optic 60

- 1743** - For Studio small (57°)

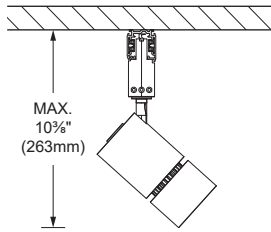


MOUNTING

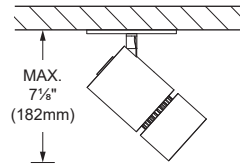
SMALL (1770)



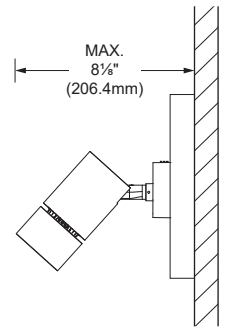
1770S1 / J / L
suitable for ceiling



1770 / T
suitable for ceiling and wall

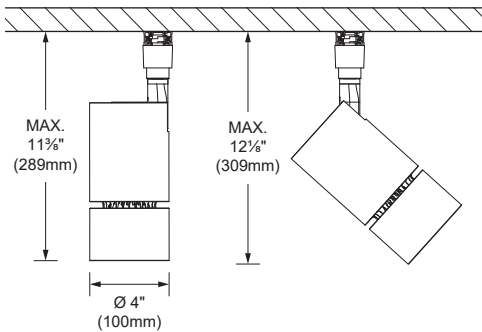


1770C
suitable for ceiling and wall

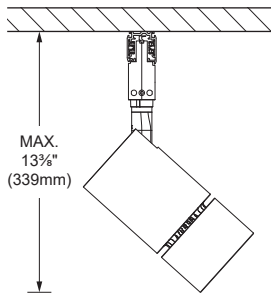


1770W
suitable for ceiling and wall

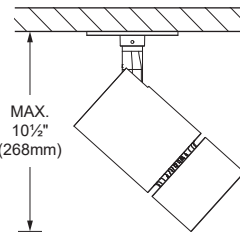
MEDIUM (1780)



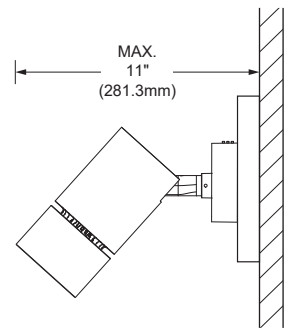
1780S1 / J / L
Suitable for ceiling



1780 / T
Suitable for ceiling and wall

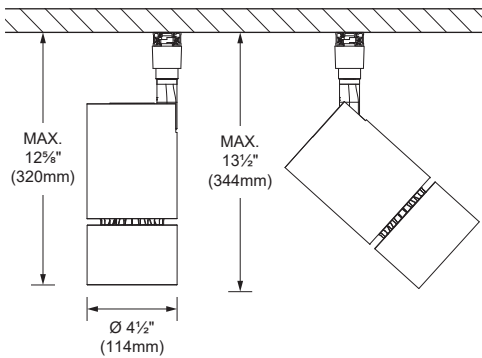


1780C
Suitable for ceiling and wall

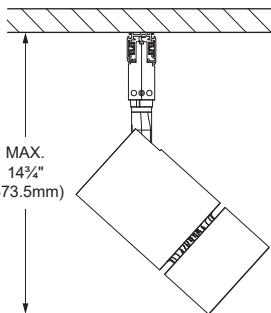


1780W
Suitable for ceiling and wall

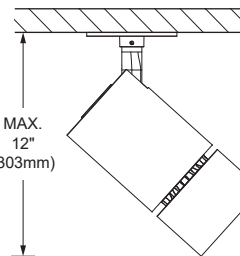
LARGE (1790)



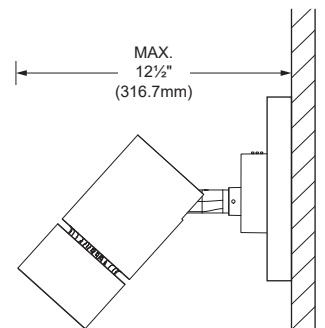
1790S1 / J / L
Suitable for ceiling



1790 / T
Suitable for ceiling and wall



1790C
Suitable for ceiling and wall

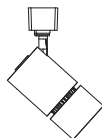


1790W
Suitable for ceiling and wall

PHOTOMETRIC DATA

Photometric performance is measured at an accredited independent laboratory in accordance with IESNA LM-79. Visit sistimalux.com for complete photometric data.

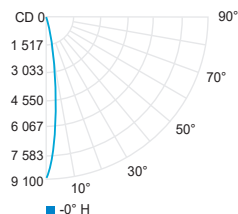
SMALL (1770)



CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	BO	14.5W	15°	890	61	9 070	1770-BO-930-LSP
				26°	1 310	104	3 410	1770-BO-830-20
			12.5W	33°	1 285	102	2 600	1770-BO-830-40
				42°	1 285	102	2 020	1770-BO-830-50
				57°	1 310	104	1 490	1770-BO-830-60
	80	HO	18.5W	15°	1 075	58	10 990	1770-HO-930-LSP
				26°	1 920	98	5 115	1770-HO-830-20
			19.5W	33°	1 885	96	3 810	1770-HO-830-40
				42°	1 880	96	2 960	1770-HO-830-50
				57°	1 920	98	2 185	1770-HO-830-60

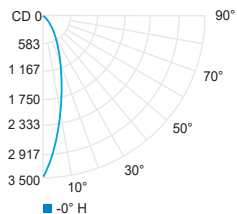
*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

Lens spot BO 15°(3000K, 90CRI)



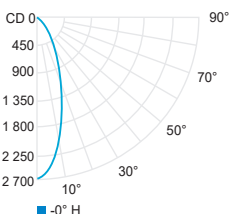
Center beam fc	Beam width ft
2ft	2 268 0.5
4ft	567 1.0
6ft	252 1.6
8ft	142 2.1
10ft	90.7 2.6
12ft	63.0 3.1

BO 26°(3000K, 80CRI)



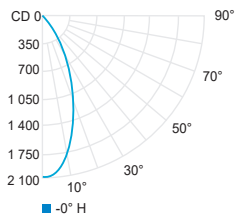
Center beam fc	Beam width ft
2ft	854 0.9
4ft	213 1.9
6ft	94.9 2.8
8ft	53.4 3.8
10ft	34.2 4.7
12ft	23.7 5.7

BO 33° (3000K, 80CRI)



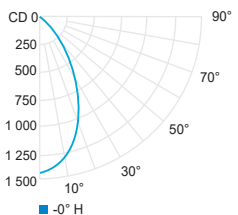
Center beam fc	Beam width ft
2ft	651 1.2
4ft	163 2.4
6ft	72.3 3.6
8ft	40.7 4.8
10ft	26.0 6.0
12ft	18.1 7.2

BO 42° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	506 1.6
4ft	126 3.1
6ft	56.2 4.7
8ft	31.6 6.2
10ft	20.2 7.8
12ft	14.0 9.3

BO 57°(3000K, 80CRI)



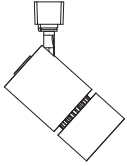
Center beam fc	Beam width ft
2ft	373 2.2
4ft	93.3 4.4
6ft	41.5 6.6
8ft	23.3 8.8
10ft	14.9 11.0
12ft	10.4 13.2

	Reflector						Lens spot 15° (LSP)		
CCT options	2700K	3000K	3000K	3500K	3500K	4000K	2700K	3000K	3500K
CRI options	90CRI	90CRI	80CRI	80CRI	90CRI	80CRI	90CRI	90CRI	90CRI
Multiplier	0.81	0.85	1	1.02	0.84	1.03	0.94	1	1.02

PHOTOMETRIC DATA

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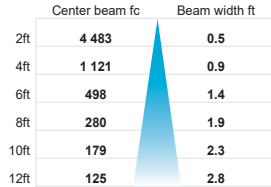
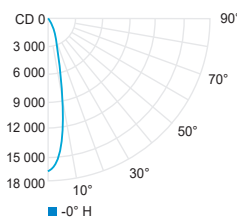
MEDIUM (1780)



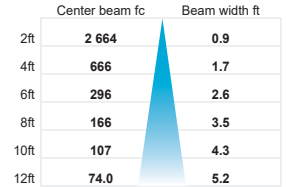
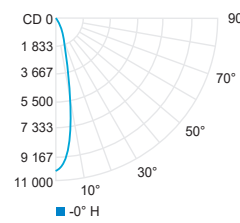
CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	BO	20.5W	15°	1 355	66	17 930	1780-BO-930-LSP
	80		26.5W	24°	2 600	98	10 655	1780-BO-830-20
				34°	2 590	97	7 240	1780-BO-830-40
				48°	2 495	94	3 840	1780-BO-830-50
	90	HO	30W	15°	1 835	61	24 230	1780-HO-930-LSP
	80		35.5W	24°	3 290	92	13 475	1780-HO-830-20
				34°	3 280	92	9 160	1780-HO-830-40
				48°	3 160	89	4 860	1780-HO-830-50

*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

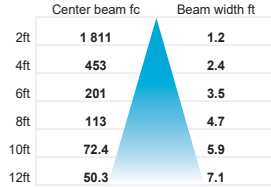
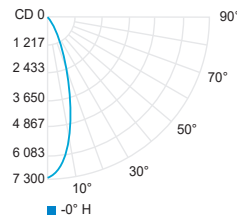
Lens spot BO 15° (3000K, 90CRI)



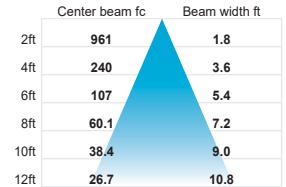
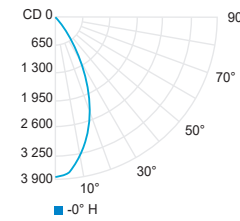
BO 24° (3000K, 80CRI)



BO 34° (3000K, 80CRI)



BO 48° (3000K, 80CRI)

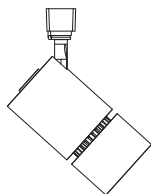


	Reflector						Lens spot 15° (LSP)		
CCT options	2700K	3000K	3000K	3500K	3500K	4000K	2700K	3000K	3500K
CRI options	90CRI	90CRI	80CRI	80CRI	90CRI	80CRI	90CRI	90CRI	90CRI
Multiplier	0.81	0.85	1	1.02	0.84	1.03	0.94	1	1.02

PHOTOMETRIC DATA

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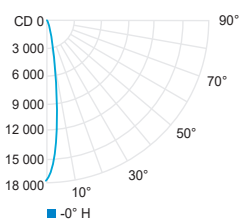
LARGE (1790)



CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS		
3000K	90	BO	20.5W	15°	1 355	66	17 930	1790-BO-930-LSP		
	80		36.5W	24°	4 035	110	14 315	1790-BO-830-20		
				39°	4 090	112	8 755	1790-BO-830-40		
	80	HO	49.5W	50°	4 020	110	5 435	1790-BO-830-50		
				90	30W	15°	1 835	61	24 230	1790-HO-930-LSP
				80	49.5W	24°	5 265	106	19 015	1790-HO-830-20
39°	5 340	107	11 425			1790-HO-830-40				
				50°	5 245	105	7 095	1790-HO-830-50		

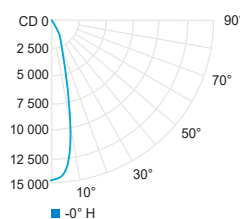
*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

Lens spot BO 15° (3000K, 90CRI)



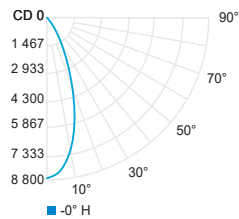
Center beam fc	Beam width ft
2ft	4 483
4ft	1 121
6ft	498
8ft	280
10ft	179
12ft	125

BO 24° (3000K, 80CRI)



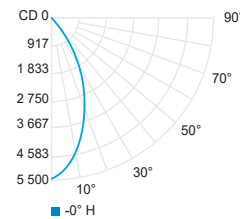
Center beam fc	Beam width ft
2ft	3 564
4ft	891
6ft	396
8ft	223
10ft	143
12ft	99.0

BO 39° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	2 190
4ft	547
6ft	243
8ft	137
10ft	87.6
12ft	60.8

BO 50° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	1 360
4ft	340
6ft	151
8ft	85.0
10ft	54.4
12ft	37.8

	Reflector						Lens spot 15° (LSP)		
CCT options	2700K	3000K	3000K	3500K	3500K	4000K	2700K	3000K	3500K
CRI options	90CRI	90CRI	80CRI	80CRI	90CRI	80CRI	90CRI	90CRI	90CRI
Multiplier	0.81	0.85	1	1.02	0.84	1.03	0.94	1	1.02

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