



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 characteristic:**

**Power input:** 12.5W to 49W  
**Lumens:** 815lm to 3 395lm (3000K)  
**Luminaire efficacy:** Up to 74lm/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, 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:** Sistemalux 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 Sistemalux 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.

**ORDERING INFO**



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FIXTURE

**MODEL**

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

**MOUNTING**

- S1** - Sistemalux one circuit track<sup>(1)</sup>       Sistemalux two circuit track<sup>(2)</sup>       **J** - Juno<sup>(3)</sup>       **W** - Sistemalux one circuit track (wall or ceiling)<sup>(1)</sup>       **T** - Sistemalux two circuit track with data (wall or ceiling)<sup>(4)</sup>
- C** - Canopy       **L** - Lightolier<sup>(5)</sup>

**OUTPUT**

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

**LED**

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

**OPTIC**

**TIR LENS**

**ALUMINUM REFLECTOR**

- LSP - Spot**<sup>(6)</sup> - Studio small (15°)       **20 - Spot** - Studio small (26°)  
- Studio medium (25°)  
- Studio large (25°)       **40 - Narrow flood** - Studio small (33°)  
- Studio medium (33°)  
- Studio large (36°)       **50 - Flood** - Studio small (42°)  
- Studio medium (49°)  
- Studio large (57°)       **60 - Wide flood** - Studio small (57°)

**VOLTAGE**

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

**FINISH**

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

**DIMMING\*\***

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

<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> Track adaptor with circuit selector. Compatible with Stucchi Onetrack® two circuits with data.

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

<sup>(6)</sup> 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).

<sup>(7)</sup> 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.

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

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

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

<sup>(10)</sup> 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
- 1725** - For studio medium and large



**FROSTED LENS**

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



**ELLIPTIC LENS**

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



**BLACK HEX CELL LOUVER**

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



**INTERCHANGEABLE ALUMINUM REFLECTOR**  
AVAILABLE WITH REFLECTOR OPTICS

**Optic 20**

- 1740** - For Studio small (26°)
- 1736** - For Studio medium and large (25°)

**Optic 40**

- 1741** - For Studio small (33°)
- 1737** - For Studio medium and large (33° / 36°)



**Optic 50**

- 1742** - For Studio small (42°)
- 1738** - For Studio medium and large (49° / 57°)

**Optic 60**

- 1743** - For Studio small (57°)

**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 1/8" - 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 3/8" - 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 3/8" - 72mm)



**BLACK VISOR WALL WASHER**

- 1700-52** - For studio small (Length: 1 1/8" - 40mm)
- 1731-52** - For studio medium (Length: 2 1/2" - 64mm)
- 1733-52** - For studio large (Length: 2 3/8" - 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)



**FULL SPECTRUM SOLUTION FOR NATURAL LIGHT**

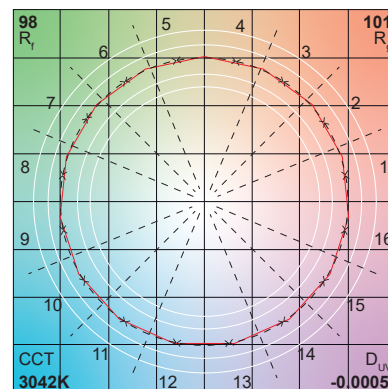
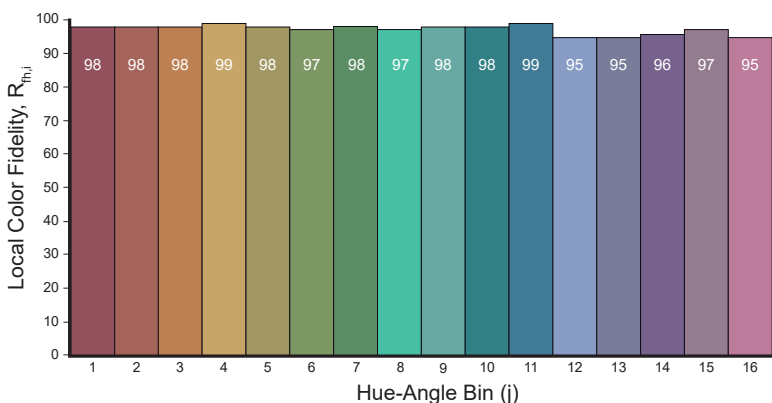
Engineered to provide the closest match to natural light available,our full spectrum solution brings natural light indoors.

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.

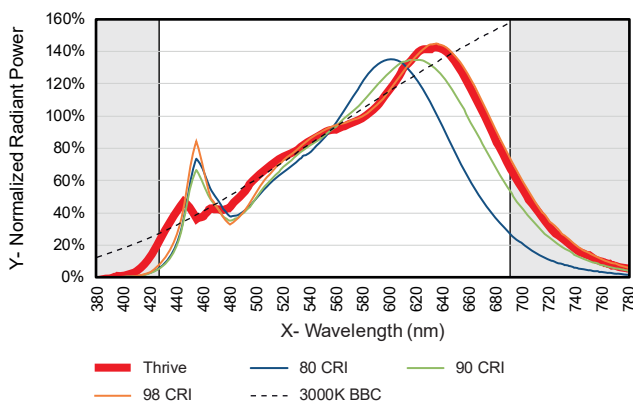
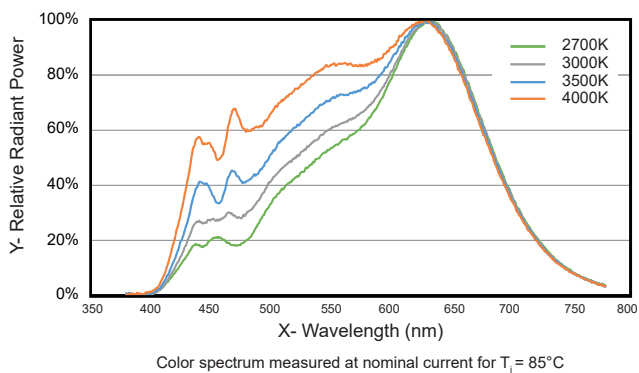
Nominal CCT <sup>1</sup>	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg
2700K	97	99	94	94	97	98	97	98	99	97	91	98	98	95	98	95	103
3000K	98	99	93	94	97	98	96	96	97	96	92	95	98	95	97	95	104
3500K	98	98	97	98	98	98	98	97	93	97	97	95	98	97	98	95	98

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

**TM-30 Data for 3000K**

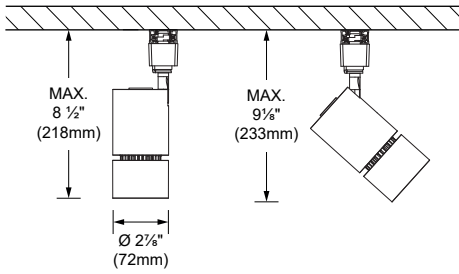


**Typical Color Spectrum**

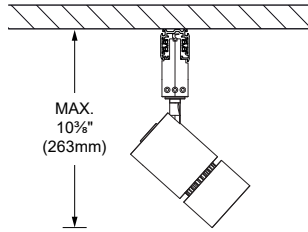


**MOUNTING**

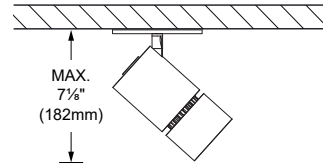
**SMALL (1770)**



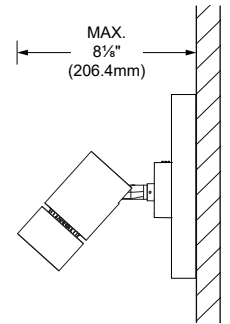
**1770S1 / J / L**  
suitable for ceiling



**1770 / T**  
suitable for ceiling and wall

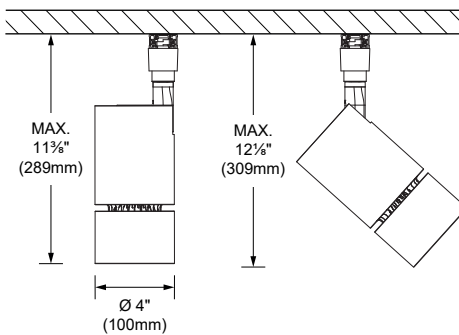


**1770C**  
suitable for ceiling and wall

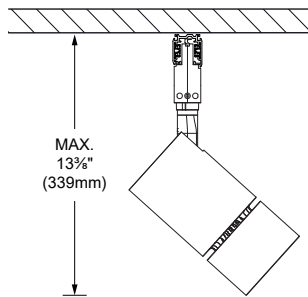


**1770W**  
suitable for ceiling and wall

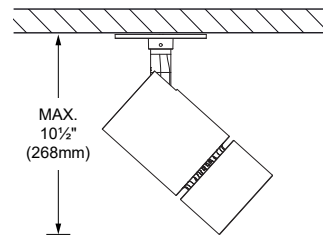
**MEDIUM (1780)**



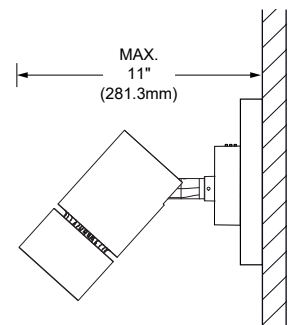
**1780S1 / J / L**  
Suitable for ceiling



**1780 / T**  
Suitable for ceiling and wall

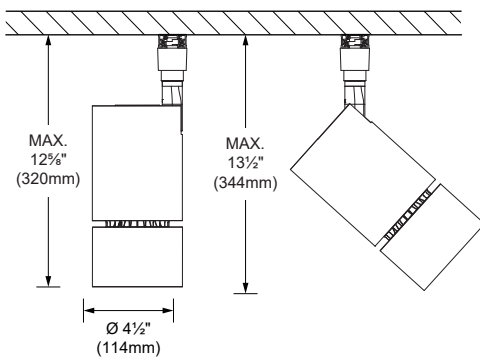


**1780C**  
Suitable for ceiling and wall

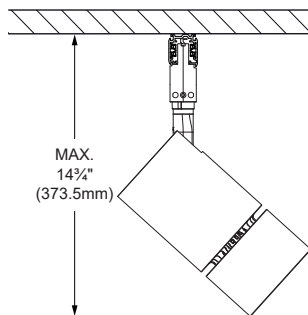


**1780W**  
Suitable for ceiling and wall

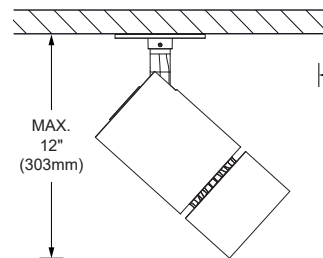
**LARGE (1790)**



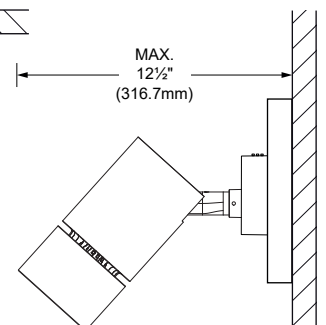
**1790S1 / J / L**  
Suitable for ceiling



**1790 / T**  
Suitable for ceiling and wall



**1790C**  
Suitable for ceiling and wall

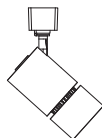


**1790W**  
Suitable for ceiling and wall

**PHOTOMETRIC DATA**

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

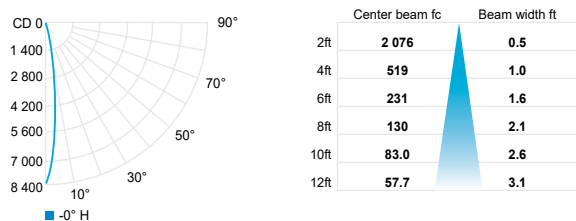
**SMALL (1770)**



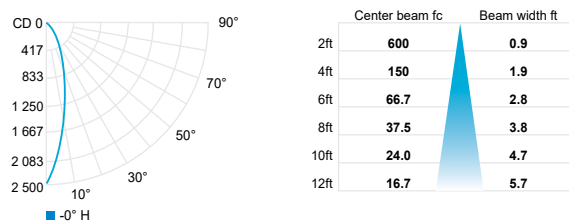
CCT (K)	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000K	BO	14.5W	Lens spot 15°	815	56	8 300	1770-BO-F30-LSP
		12.5W	Spot 26°	920	73	2 400	1770-BO-F30-20
			Narrow flood 33°	905	72	1 830	1770-BO-F30-40
			Flood 42°	900	72	1 420	1770-BO-F30-50
			Wide flood 57°	920	73	1 045	1770-BO-F30-60
	HO	18.5W	Lens spot 15°	1 075	58	10 990	1770-HO-F30-LSP
		19.5W	Spot 26°	1 345	69	3 585	1770-HO-F30-20
			Flood 33°	1 320	67	2 670	1770-HO-F30-40
			Flood 42°	1 315	67	2 075	1770-HO-F30-50
			Wide flood 57°	1 345	68	1 545	1770-HO-F30-60

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

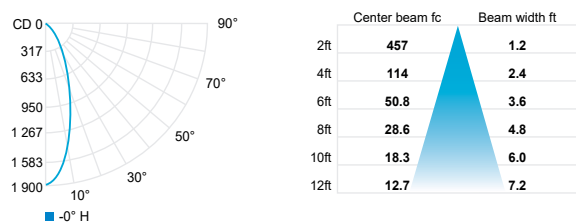
Lens spot BO 15°(3000K, Full spectrum)



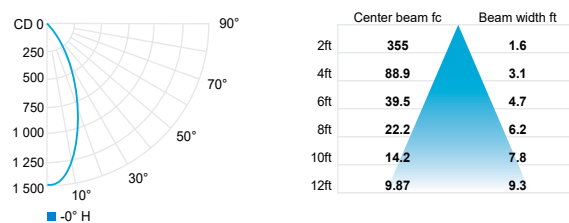
Spot BO 26°(3000K, Full spectrum)



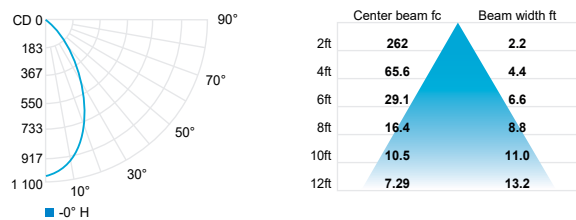
Narrow flood BO 33° (3000K, Full spectrum)



Flood BO 42° (3000K, Full spectrum)



Wide flood BO 57°(3000K, Full spectrum)

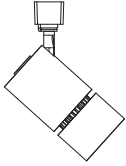


	Reflector			Lens spot 15° (LSP)		
CCT options	2700K	3000K	3500K	2700K	3000K	3500K
CRI options	Full spectrum	Full spectrum	Full spectrum	Full spectrum	Full spectrum	Full spectrum
Multiplier	<b>0.92</b>	<b>1</b>	<b>1.03</b>	<b>0.94</b>	<b>1</b>	<b>1.05</b>

**PHOTOMETRIC DATA**

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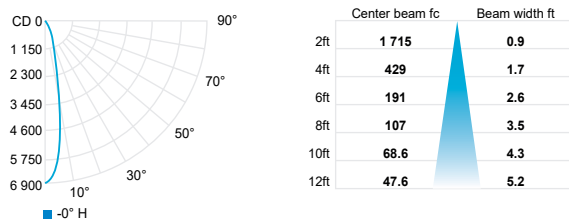
**MEDIUM (1780)**



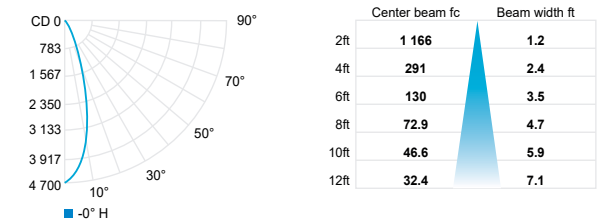
CCT (K)	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000K	BO	26.5W	Spot 25°	1 675	63	6 855	1780-BO-F30-20
			Narrow flood 33°	1 670	63	4 660	1780-BO-F30-40
			Flood 49°	1 605	63	2 475	1780-BO-F30-50
	HO	35.5W	Spot 25°	2 120	59	8 695	1780-HO-F30-20
			Narrow flood 33°	2 115	59	5 910	1780-HO-F30-40
			Flood 49°	2 035	57	3 125	1780-HO-F30-50

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

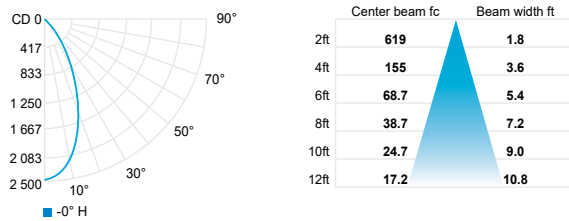
Spot BO 25° (3000K, Full spectrum)



Narrow flood BO 33° (3000K, Full spectrum)



Flood BO 49° (3000K, Full spectrum)

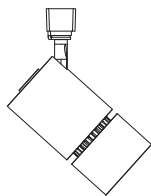


	Reflector		
	2700K	3000K	3500K
CCT options	2700K	3000K	3500K
CRI options	Full spectrum	Full spectrum	Full spectrum
<b>Multiplier</b>	<b>0.92</b>	<b>1</b>	<b>1.03</b>

**PHOTOMETRIC DATA**

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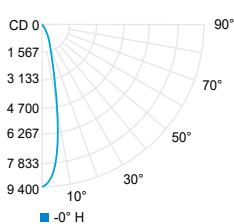
**LARGE (1790)**



CCT (K)	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000K	BO	35W	Spot 25°	2 600	74	9 310	1790-BO-F30-20
			Narrow flood 36°	2 565	73	5 620	1790-BO-F30-40
			Flood 57°	2 525	72	3 010	1790-BO-F30-50
	HO	49W	Spot 25°	3 395	69	12 160	1790-HO-F30-20
			Narrow flood 36°	3 350	68	7 345	1790-HO-F30-40
			Flood 57°	3 300	56	3 930	1790-HO-F30-50

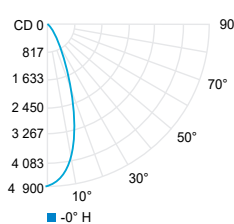
\*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

Spot BO 25° (3000K, Full spectrum)



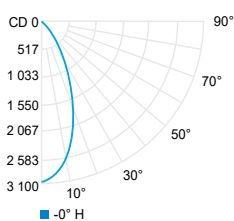
Center beam fc	Beam width ft
2ft	2 329
4ft	582
6ft	259
8ft	146
10ft	93.1
12ft	64.7

Narrow flood BO 36° (3000K, Full spectrum)



Center beam fc	Beam width ft
2ft	1 406
4ft	352
6ft	156
8ft	87.9
10ft	56.2
12ft	39.1

Flood BO 57° (3000K, Full spectrum)



Center beam fc	Beam width ft
2ft	753
4ft	188
6ft	83.6
8ft	47.0
10ft	30.1
12ft	20.9

	Reflector		
	2700K	3000K	3500K
CCT options	2700K	3000K	3500K
CRI options	Full spectrum	Full spectrum	Full spectrum
<b>Multiplier</b>	<b>0.93</b>	<b>1</b>	<b>1.04</b>