



Collection of LED track projectors for commercial applications. Dim to warm technology - 3000K to 1800K. 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: 15W to 27.5W
Lumens: 810lm to 1 895lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 70lm/W

Source: BRIDGELUX DIM TO WARM LED MODULE (LM-80).
3000K - 1800K, 90CRI.

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

Optic: Available in spot, flood and wide flood.

Material: Optical body, pivot arm and trim: die-cast aluminum
Heat sink: Aluminum alloy,
Lens: PMMA TIR lens,

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 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, 277V or 120-277V.


Dimming: **Track:** Leading (TRIAC) and trailing edge (ELV) dimming (120V only), down to 5% for small and 10% for medium and large model.
0-10V for Sistemalux two circuit with data track (120V or 277V)
Canopy: 0-10V dimming (120-277V) or leading (TRIAC) and trailing edge (ELV) dimming (120V only), down to 5% for small and 10% for medium and large model.

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

- BO - D91830 - - - -
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)⁽¹⁾ **T** - Sistemalux two circuit track with data (wall or ceiling)⁽⁵⁾
- C** - Canopy **L** - Lightolier^{®(4)}

OUTPUT

- BO** - Base output

LED

- D91830** - 1800-3000K, 90 CRI

OPTIC

- LSP - Lens spot**
-Studio small (25°)
-Studio medium (25°)
-Studio large (25°)
- LFL - Lens flood**
-Studio small (37°)
-Studio medium (33°)
-Studio large (33°)
- LWF - Lens wide flood**
-Studio small (51°)
-Studio medium (53°)
-Studio large (53°)

VOLTAGE

- 120** - 120V **277** - 277V⁽⁶⁾ **UNV** - 120-277V⁽⁷⁾

FINISH

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

DIMMING*

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

⁽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®.

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

⁽⁴⁾ Compatible with one circuit Lightolier® lytespan basic and advent series tracks.

⁽⁵⁾ Track adaptor with circuit selector. Compatible with Stucchi Onetrack® two circuit track.

⁽⁶⁾ Available with Sistemalux two circuit track with data.

⁽⁷⁾ Available for model with canopy (C) mounting.

⁽⁸⁾ Available for 120-277V(UNV) voltage or Sistemalux two circuit track with data 120V or 277V (T) mounting

*5% for small and 10% for medium and large models 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 2 accessories at a time.



SOFT FOCUS LENS

- 1593** - For studio small
- 1725** - For studio medium & large



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)



FROSTED LENS

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



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)



ELLIPTIC LENS

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



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 HEX CELL LOUVER

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



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 7/8" - 72mm)



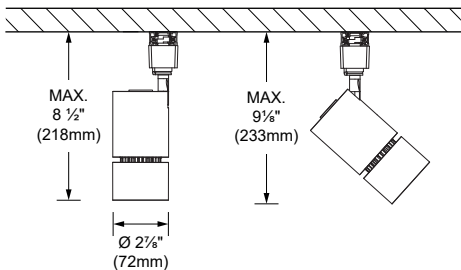
ADJUSTABLE BARN DOORS

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

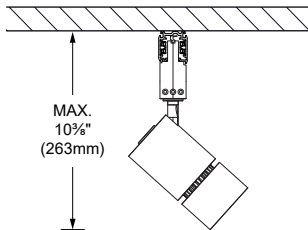


MOUNTING

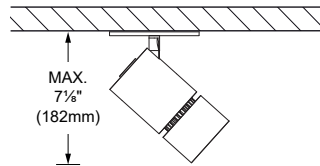
SMALL (1770)



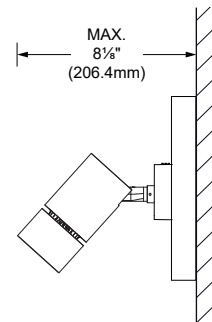
1770S1 / J / L
suitable for ceiling



1770 / T
suitable for ceiling and wall

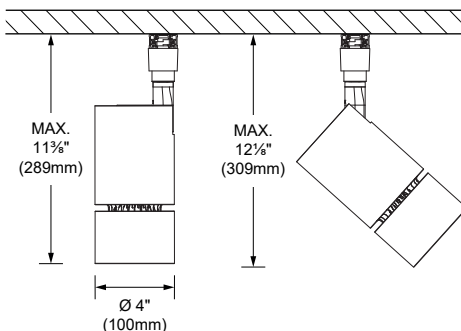


1770C
suitable for ceiling and wall

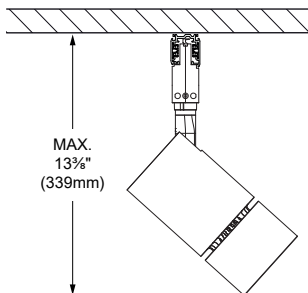


1770W
suitable for ceiling and wall

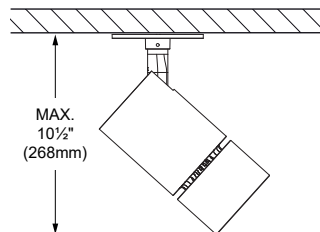
MEDIUM (1780)



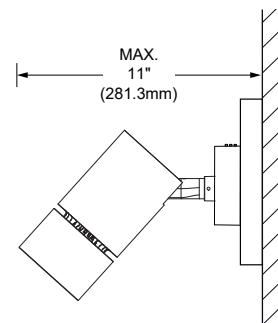
1780S1 / J / L
Suitable for ceiling



1780 / T
Suitable for ceiling and wall

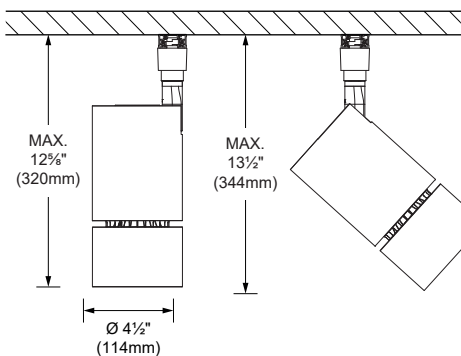


1780C
Suitable for ceiling and wall

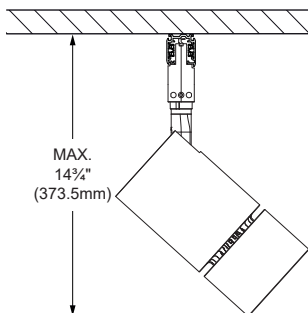


1780W
Suitable for ceiling and wall

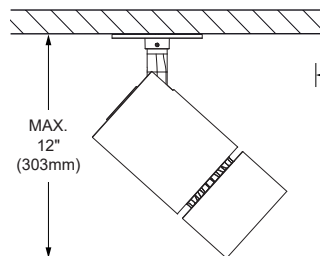
LARGE (1790)



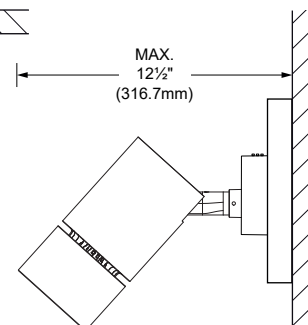
1790S1 / J / L
Suitable for ceiling



1790 / T
Suitable for ceiling and wall



1790C
Suitable for ceiling and wall

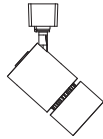


1790W
Suitable for ceiling and wall

PHOTOMETRIC DATA

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

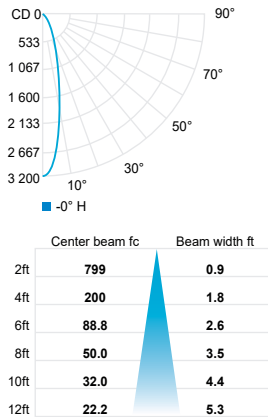
SMALL (1770)



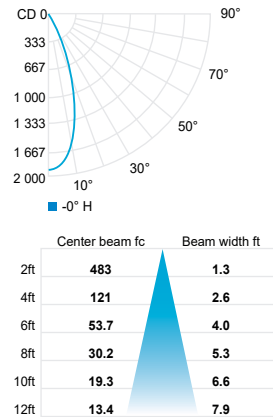
| CCT (K)* | CRI | LOAD (W) | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODELS |
|----------------|-----|----------|---------------------|-------------|-------------------|------------------|-----------------|
| 3000K 1800K | 90 | 15W | Lens spot 25° | 815 | 54 | 3 195 | 1770-D91830-LSP |
| | | | Lens flood 37° | 890 | 59 | 1 930 | 1770-D91830-LFL |
| | | | Lens wide flood 51° | 810 | 54 | 1 005 | 1770-D91830-LWF |

* DATA SHOWN FOR NON DIMMED LUMINAIRE (100% OUTPUT)

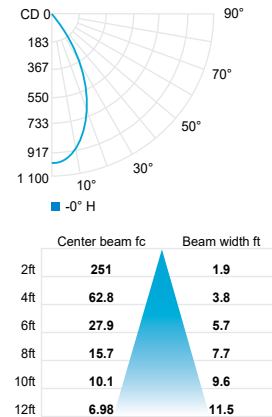
Lens spot 25° (3000K, 90 CRI)



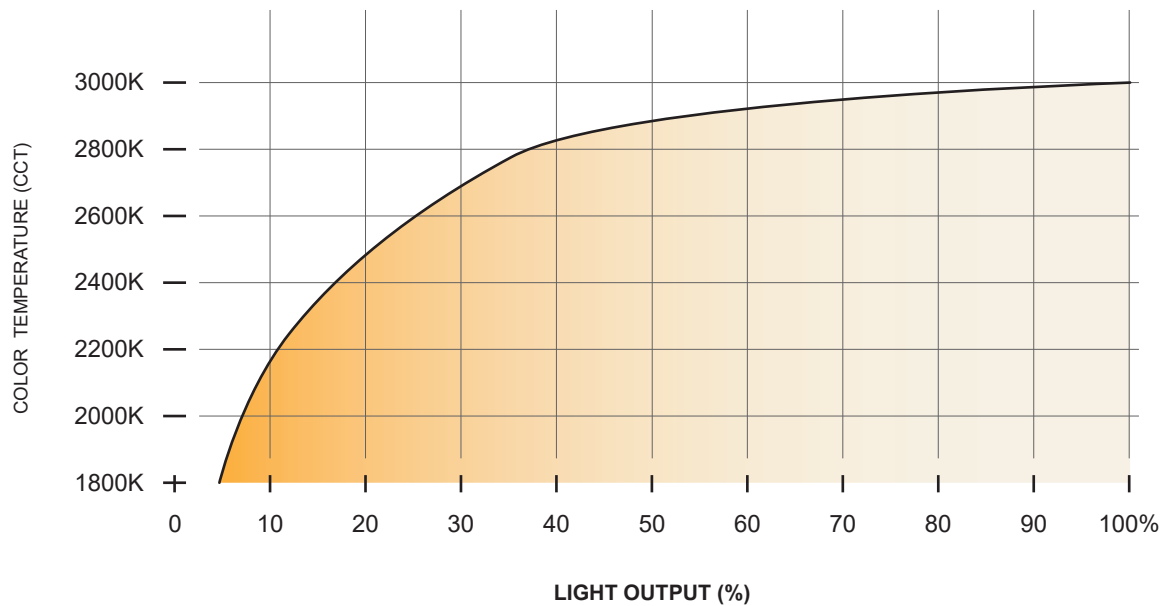
Lens flood 37° (3000K, 90 CRI)



Lens wide flood 51° (3000K, 90 CRI)



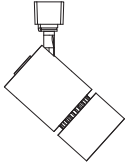
COLOR TEMPERATURE DIMMING BEHAVIOR



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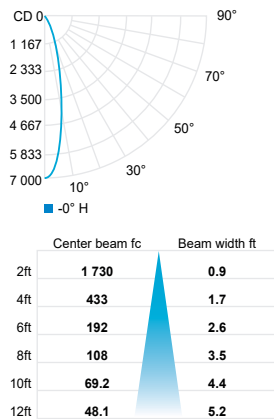
MEDIUM (1780)



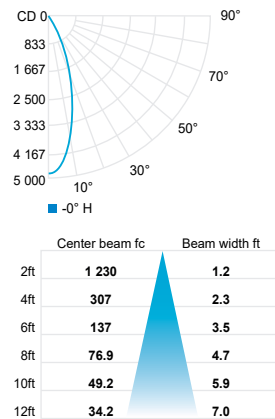
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|----------------|-----|----------|---------------------|-------------|-------------------|------------------|-----------------|
| 3000K 1800K | 90 | 27.5W | Lens spot 25° | 1 740 | 63 | 6 920 | 1780-D91830-LSP |
| | | | Lens flood 33° | 1 895 | 68 | 4 915 | 1780-D91830-LFL |
| | | | Lens wide flood 53° | 1 760 | 64 | 2 085 | 1780-D91830-LWF |

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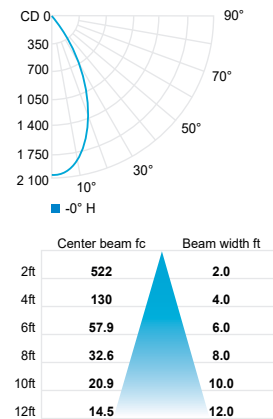
Lens spot 25° (3000K, 90 CRI)



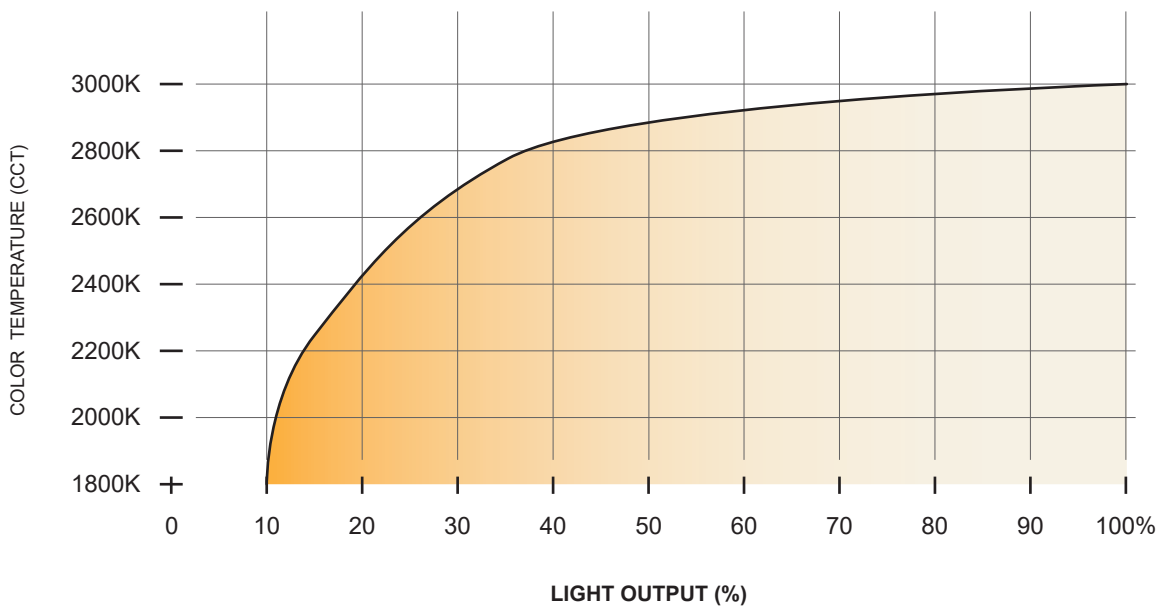
Lens flood 33° (3000K, 90 CRI)



Lens wide flood 53° (3000K, 90 CRI)



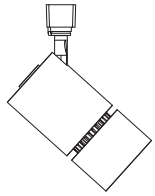
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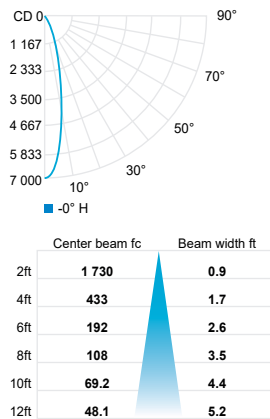
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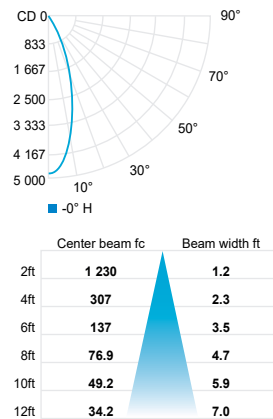
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| | | | Lens wide flood 53° | 1 760 | 64 | 2 085 | 1790-D91830-LWF |

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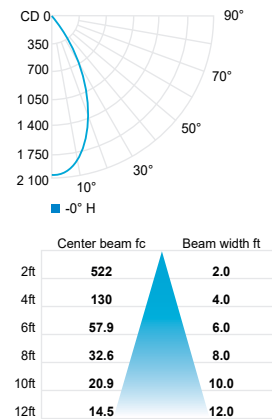
Lens spot 25° (3000K, 90 CRI)



Lens flood 33° (3000K, 90 CRI)



Lens wide flood 53° (3000K, 90 CRI)



COLOR TEMPERATURE DIMMING BEHAVIOR

