



The Studio collection introduces its new wall washer distribution for a uniform vertical illumination. With the timeless design and harmonious proportions, this elegant new projector is suitable for most modern interiors. The 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:** 1 125lm to 5 050lm (for 3000K, 80CRI)  
**Luminaire efficacy:** Up to 104lm/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) (LM-79).

**Optic:** Wall washer and diffuse wall washer.

**Material:** Optical body and pivot arm: Aluminum.  
Heat sink: Aluminum alloy.  
Diffuser: PMMA.  
Reflector: High bright faceted aluminum.

**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.

**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), down to 15% (120V) and 0-10V down to 15% for medium and large canopy models only, (120-277V).

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

**Weight:** Studio wall washer small: 1.57lb (0.71kg)  
Studio wall washer medium: 3lb (1.36kg)  
Studio wall washer large: 3.86lb (1.75kg)

**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>®</sup> <sup>(3)</sup>       **T** - Sistemalux two circuit track with data (wall or ceiling) <sup>(4)</sup>       **C** - Canopy
- L** - Lightolier<sup>®</sup> <sup>(5)</sup>

**OUTPUT**

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

**LED**

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

**OPTIC**

- WW1** - Wall washer       **WW2** - Diffuse wall washer

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

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

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

<sup>(4)</sup> Track adaptor with circuit selector. Compatible with Stucchi Onetrack two circuit track with data.

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

<sup>(6)</sup> LED options may require a longer lead time than standard. Please contact customer service for details.

<sup>(7)</sup> Available with Sistemalux 2 circuit track or Sistemalux two circuit track with data (T) mounting.

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

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

\*\*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.

**APPLICATIONS**

New wall washer optics for uniform vertical illumination. The wall washer (WW1) optic offers a wide distribution specifically designed to provide peak illumination at the center of the surface while the diffuse wall washer (WW2) optic is intended to provide a wall wash effect with a softer distribution.

**Retail**

Projector scalloping effect



Wall washer uniform distribution



**Signage**

Projector scalloping effect



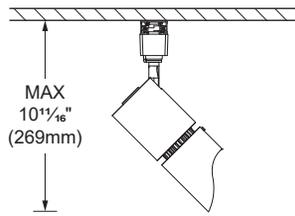
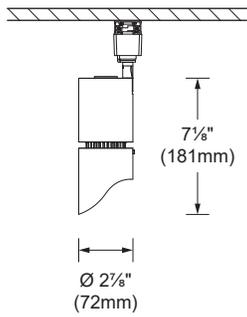
Wall washer uniform distribution



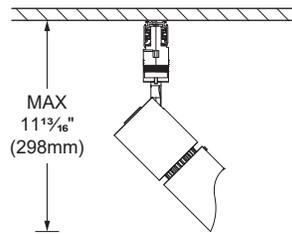
**LED COLOR FIDELITY DATA**

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

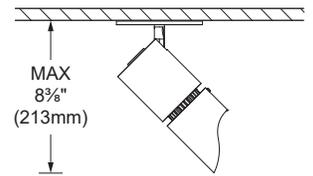
**DIMENSIONS**



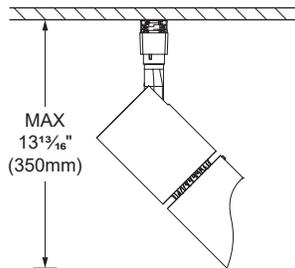
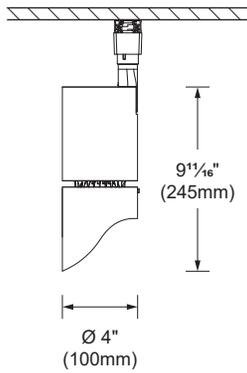
**1770S1 / J / L**  
suitable for ceiling



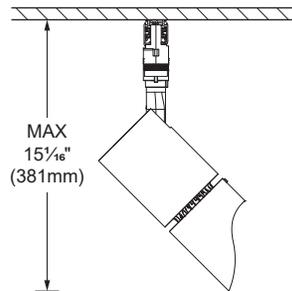
**1770 / T**  
suitable for ceiling and wall



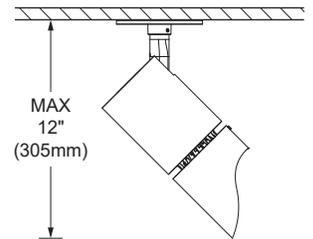
**1770C**  
suitable for ceiling and wall



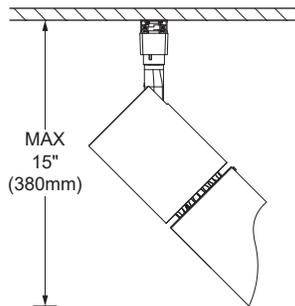
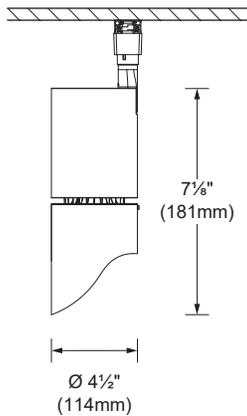
**1780S1 / J / L**  
suitable for ceiling



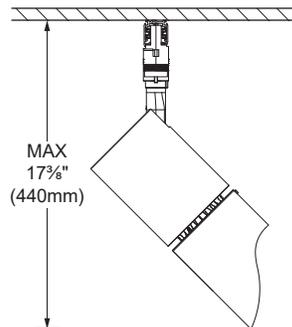
**1780 / T**  
suitable for ceiling and wall



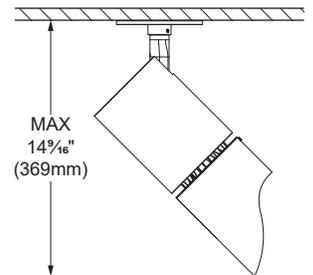
**1780C**  
suitable for ceiling and wall



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



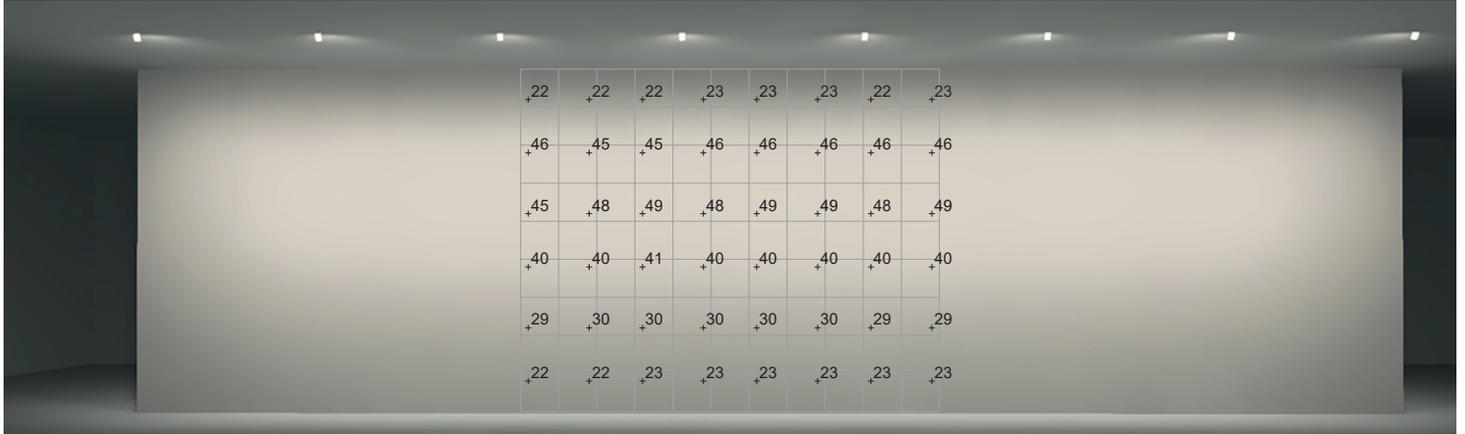
**1790 / T**  
suitable for ceiling and wall



**1790C**  
suitable for ceiling and wall

**STUDIO WALL WASHER SMALL**

Point by point illuminance values: 1770 high output (HO) wall washer (WW1) - 9ft wall height - 4ft spacing - 4ft from the wall



**PHOTOMETRIC DATA**

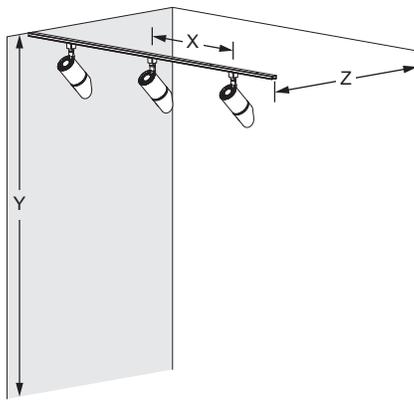
Visit [sistemalux.com](http://sistemalux.com) for complete photometric data.

CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	12.5W	Wall washer	1 155	92	1 245	1770-BO-830-WW1
				Diffuse wall washer	1 125	90	930	1770-BO-830-WW2
	90	HO <sup>(1)</sup>	15.5W	Wall washer	1 490	97	1 605	1770-HO-930-WW1
				Diffuse wall washer	1 455	94	1 199	1770-HO-930-WW2

<sup>(1)</sup> Only available with 90CRI.

CCT options	2700K	3000K	3000K	3500K	3500K	4000K
CRI options	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI
<b>Multiplier</b>	<b>0.81</b>	<b>1</b>	<b>0.85</b>	<b>1.02</b>	<b>0.84</b>	<b>1.03</b>

**SPACING**



High output (HO) wall washer (WW1)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
9'	4'	4'	21.8	49.1	34.9	2.25
	3'	4'	29.9	63.4	46.0	2.12
	2'	4'	44.6	97.4	69.7	2.18
12'	5'	5'	12.0	30.8	21.2	2.57
	4'	5'	14.7	38.7	26.2	2.63
	3'	5'	20.6	50.5	34.1	2.45
	2'	5'	29.7	76.0	52.6	2.56

High output (HO) diffuse wall washer (WW2)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
9'	4'	4'	21.5	42.5	31.5	1.97
	3'	4'	29.6	55.1	41.5	1.86
	2'	4'	43.8	84.1	62.9	1.92
12'	5'	5'	12.5	28.4	19.4	2.26
	4'	5'	14.8	34.5	23.6	2.33
	3'	5'	20.5	45.3	31.6	2.21
	2'	5'	30.5	69.8	48.0	2.29

**STUDIO WALL WASHER MEDIUM**

Point by point illuminance values: 1780 high output (HO) wall washer (WW1) - 12ft wall height - 5ft spacing - 5ft from the wall



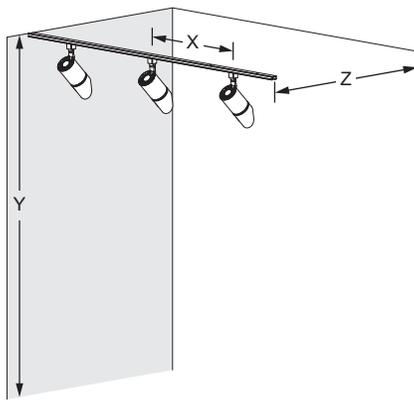
**PHOTOMETRIC DATA**

Visit [sistemalux.com](http://sistemalux.com) for complete photometric data.

CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	26.5W	Wall washer	2 155	81	2 715	1780-BO-830-WW1
				Diffuse wall washer	2 245	84	2 075	1780-BO-830-WW2
		HO	35.5W	Wall washer	2 735	77	3 445	1780-HO-830-WW1
				Diffuse wall washer	2 845	80	2 630	1780-HO-830-WW2

CCT options	2700K	3000K	3000K	3500K	3500K	4000K
CRI options	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI
<b>Multiplier</b>	<b>0.78</b>	<b>1</b>	<b>0.85</b>	<b>1.02</b>	<b>0.84</b>	<b>1.03</b>

**SPACING**



High output (HO) wall washer (WW1)

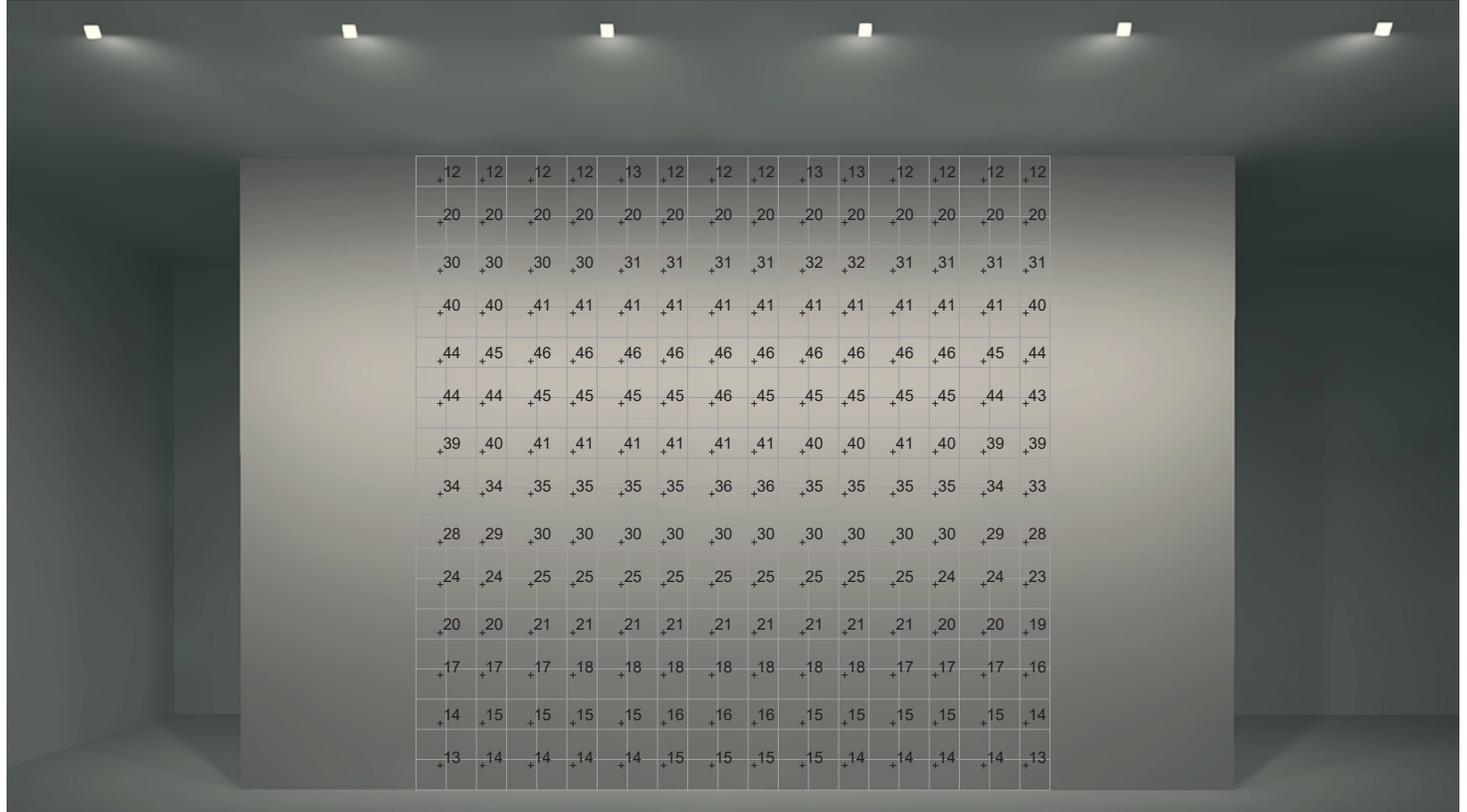
Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
12'	5'	5'	17.1	58.0	36.2	3.40
	4'	5'	20.8	70.9	44.9	3.40
	3'	5'	28.1	93.9	60.0	3.34
15'	6'	6'	10.3	39.2	23.6	3.8
	5'	6'	12.3	46.5	28.0	3.79
	4'	6'	15.0	57.3	34.4	3.81
	3'	6'	19.2	74.8	44.9	3.89
20'	2'	6'	28.1	108	65.2	3.86
	5'	7'	10.2	36.7	22.5	3.59
	4'	7'	12.7	46.1	28	3.62
	3'	7'	16.8	61.0	37.2	3.64
	2'	7'	25.2	91.3	55.7	3.63

High output (HO) diffuse wall washer (WW2)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
12'	6'	5'	16.9	44.1	29.1	2.61
	5'	5'	20.4	54.0	34.8	2.64
	4'	5'	25.4	66.7	43.1	2.63
	3'	5'	34.0	87.6	57.7	2.58
15'	6'	6'	12.3	35.8	22.8	2.90
	5'	6'	14.7	42.7	27.0	2.90
	4'	6'	17.9	52.1	33.1	2.91
	3'	6'	23.3	67.2	43.1	2.88
20'	2'	6'	33.6	97.5	62.6	2.90
	5'	7'	11.7	33.7	21.5	2.88
	4'	7'	14.6	41.8	26.8	2.86
	3'	7'	19.3	55.4	35.4	2.87
	3'	7'	14.9	48.8	32.9	3.28
	2'	7'	25.2	91.3	55.7	3.63

**STUDIO WALL WASHER LARGE**

Point by point illuminance values: 1790 high output (HO) wall washer (WW1) - 21ft wall height - 6ft spacing - 8ft from the wall



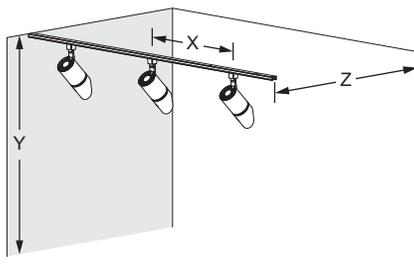
**PHOTOMETRIC DATA**

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CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	37W	Wall washer	3 825	103	4 590	1790-BO-830-WW1
				Diffuse wall washer	3 875	104	3 520	1790-BO-830-WW2
		HO	49W	Wall washer	4 985	101	5 980	1790-HO-830-WW1
				Diffuse wall washer	5 050	103	4 585	1790-HO-830-WW2

CCT options	2700K	3000K	3000K	3500K	3500K	4000K
CRI options	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI
<b>Multiplier</b>	<b>0.78</b>	<b>1</b>	<b>0.81</b>	<b>1.02</b>	<b>0.84</b>	<b>1.03</b>

**SPACING**



High output (HO) wall washer (WW1)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
21'	6'	8'	11.3	43.8	27.4	3.86
	5'	8'	13.3	52.0	32.4	3.90
	4'	8'	15.8	63.3	39.1	3.99
	3'	8'	20.0	82.0	50.3	4.11
27'	6'	9'	9.76	38.8	22.9	3.97
	5'	9'	11.8	46.0	27.4	3.89
	4'	9'	14.4	56.4	33.6	3.91
	3'	9'	18.4	73.2	43.4	3.97

High output (HO) diffuse wall washer (WW2)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
21'	7'	7'	11.5	37.3	22.6	3.25
	6'	7'	13.5	43.6	26.4	3.23
	5'	7'	15.8	51.6	31.2	3.26
	4'	7'	18.5	62.7	37.7	3.39
	3'	7'	23.4	81.4	48.6	3.48
27'	6'	9'	9.73	32.9	20.0	3.38
	5'	9'	11.5	39.0	23.6	3.38
	4'	9'	13.7	47.5	28.3	3.48
	3'	9'	17.2	61.5	36.2	3.57