




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 35.5W Lumens: 816lm to 1 829lm (for 3000K, 80CRI) Luminaire efficacy: Up to 65lm/W
Source:	BRIDGELUX FULL SPECTRUM LED MODULE (LM-80): 2700K, 3000K, 3500K.
Lumen maintenance:	90% of initial lumens at 100 000 hours (L90).
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.
Adjustement:	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:	Studio wall washer small: 1.57lb (0.71kg) Studio wall washer medium: 3.00lb (1.36kg)
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

FIXTURE

MODEL

- 1770** - Small **1780** - Medium

MOUNTING

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

OUTPUT

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

LED

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

OPTIC

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

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® and HTEK® tracks.

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

⁽⁴⁾ Track adaptor with circuit selector. Compatible with Stucchi onetrack two circuit track with data.

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

⁽⁶⁾ Available with Sistemalux 2 circuit track and Sistemalux 2 circuit track with data (T) mounting.

⁽⁷⁾ Available with canopy (C) mounting.

⁽⁸⁾ Available with 120-277V (UNV) voltage or Sistemalux 2 circuit track with data (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.

FULL SPECTRUM SOLUTION FOR NATURAL LIGHT

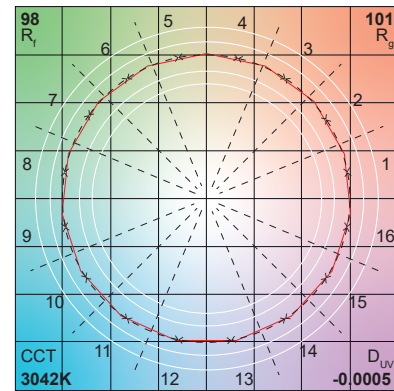
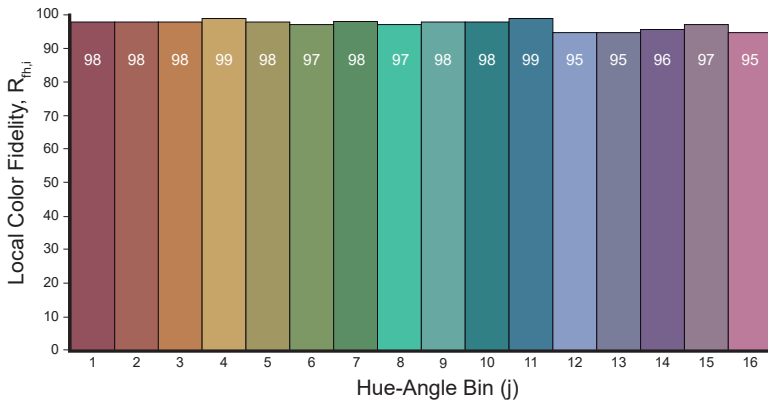
Engineered to provide the closest match to natural light available, our full spectrum solution brings natural light indoors.

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.

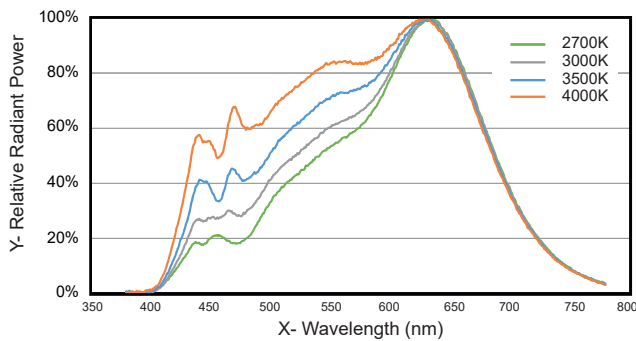
Nominal CCT ¹	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg
2700K	97	99	94	94	97	98	97	98	99	97	91	98	98	95	98	95	103
3000K	98	99	93	94	97	98	96	96	97	96	92	95	98	95	97	95	104
3500K	98	98	97	98	98	98	98	97	93	97	97	95	98	97	98	95	98

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

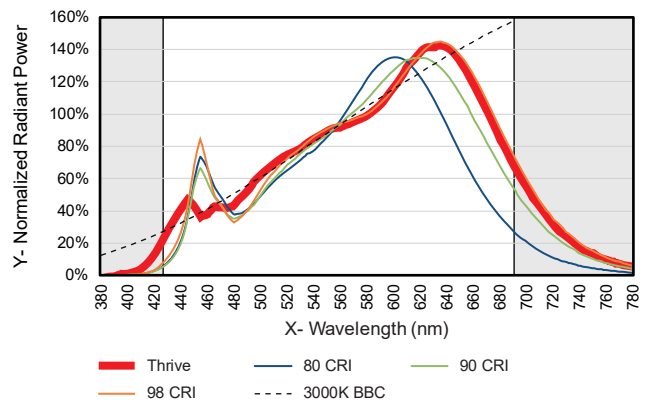
TM-30 Data for 3000K



Typical Color Spectrum



Color spectrum measured at nominal current for T_j = 85°C



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

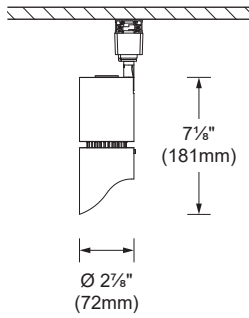
Projector scalloping effect



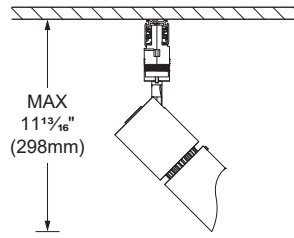
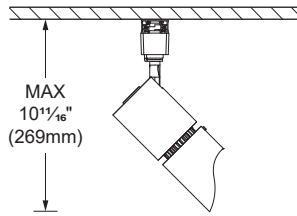
Wall washer uniform distribution



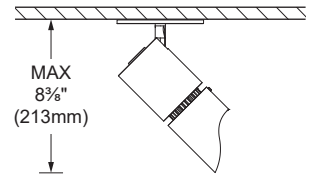
DIMENSIONS



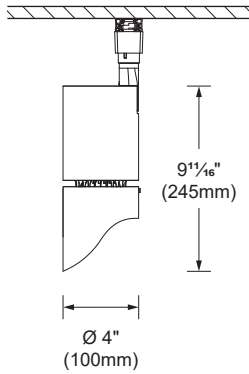
1770S1 / J / L
suitable for ceiling



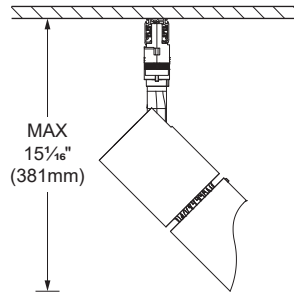
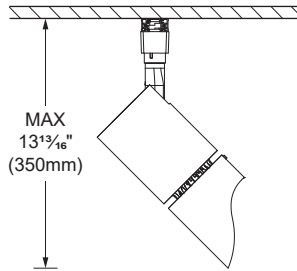
1770 / T
suitable for ceiling and wall



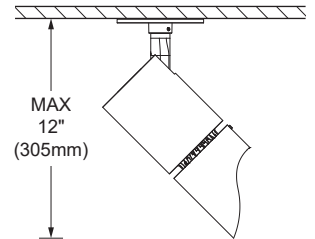
1770C
suitable for ceiling and wall



1780S1 / J / L
suitable for ceiling



1780 / T
suitable for ceiling and wall



1780C
suitable for ceiling and wall

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



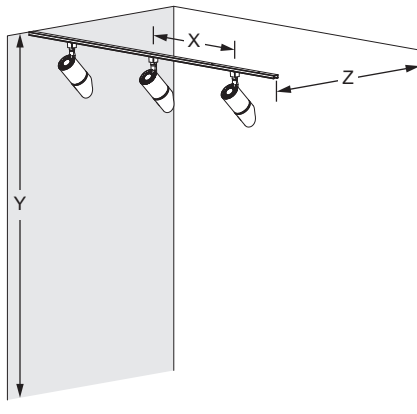
PHOTOMETRIC DATA

Visit sistemalux.com for complete photometric data.

CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	98	BO	12.5W	Wall washer	816	65	879	1770-BO-F30-WW1
				Diffuse wall washer	796	63	657	1770-BO-F30-WW2
		HO	19W	Wall washer	1 194	62	1 287	1770-HO-F30-WW1
				Diffuse wall washer	1 166	61	962	1770-HO-F30-WW2

CCT options	2700K	3000K	3500K
CRI options	FULL SPECTRUM	FULL SPECTRUM	FULL SPECTRUM
Multiplier	0.92	1	1.04

SPACING



High output (HO) wall washer (WW1)

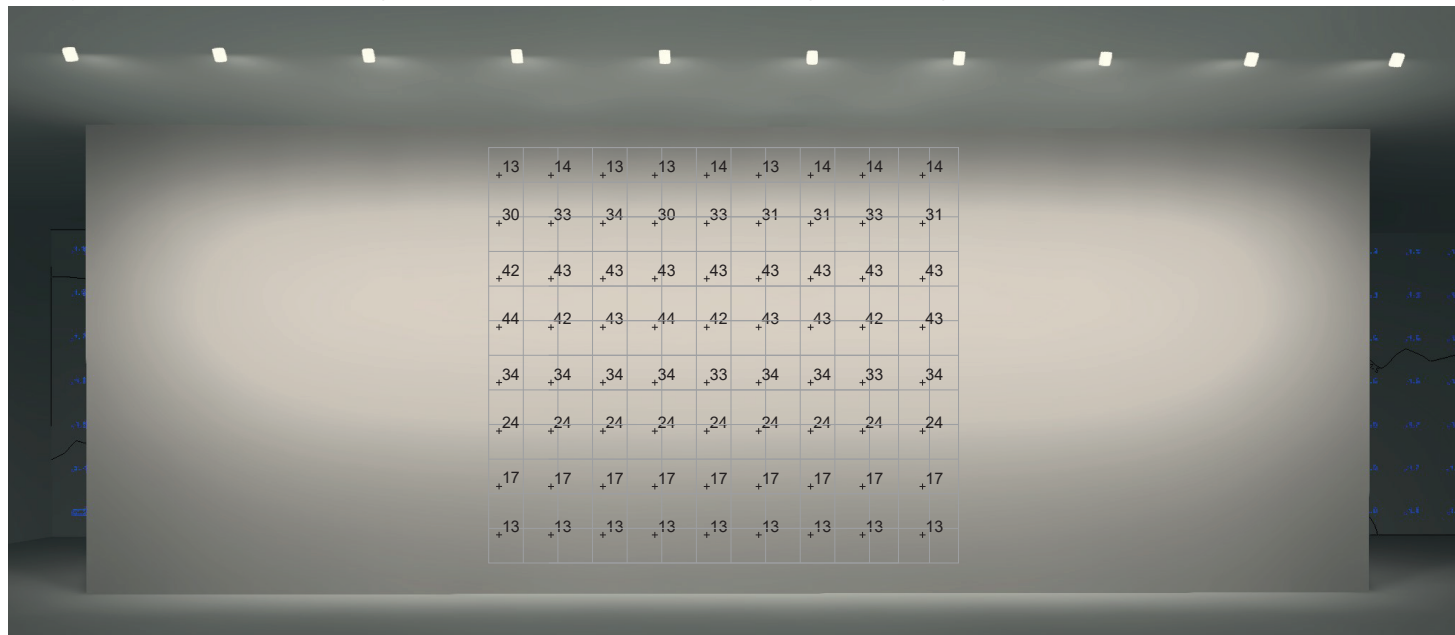
Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
9'	4'	4'	15.2	37.5	27.7	2.47
	3'	4'	20.3	49	36.7	2.42
	2'	4'	32.1	75.6	55.8	2.35
12'	5'	5'	9.6	26.9	21.2	2.8
	4'	5'	12	32	26.2	2.63
	3'	5'	16	40	34.1	2.53
	2'	5'	19	48	52.6	2.49

High output (HO) diffuse wall washer (WW2)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
9'	4'	4'	18.8	35.4	26.4	1.89
	3'	4'	24.8	46.6	34.9	1.88
	2'	4'	37	70.1	52.5	1.89
12'	5'	5'	9.9	24.6	16.5	2.48
	4'	5'	12.3	28.8	19.6	2.33
	3'	5'	17.1	37.8	26.3	2.21
	2'	5'	25.4	58.2	39.9	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



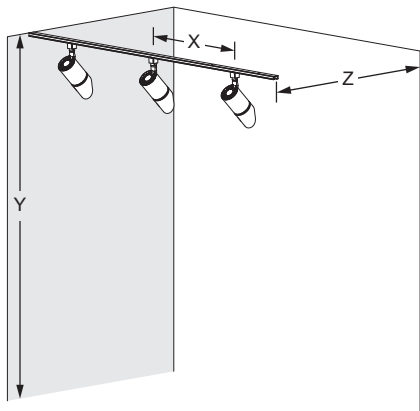
PHOTOMETRIC DATA

Visit sistemalux.com for complete photometric data.

CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	98	BO	26.5W	Wall washer	1 492	56	1 879	1780-BO-F30-WW1
				Diffuse wall washer	1 552	58	1 434	1780-BO-F30-WW2
		HO	35.5W	Wall washer	1 759	49	2 214	1780-HO-F30-WW1
				Diffuse wall washer	1 829	51	1 691	1780-HO-F30-WW2

CCT options	2700K	3000K	3500K
CRI options	FULL SPECTRUM	FULL SPECTRUM	FULL SPECTRUM
Multiplier	0.92	1	1.04

SPACING



High output (HO) wall washer (WW1)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
12'	5'	5'	13	43.7	27.3	2.37
	4'	5'	15.4	52.5	33.7	3.4
	3'	5'	22	69.8	45	3.17
15'	6'	6'	10.3	39.2	23.6	3.8
	5'	6'	9.19	37	22	2.90
	4'	6'	11.3	46.3	27.4	4.03
	3'	6'	14.7	61.6	36.2	4.19
20'	2'	6'	22.2	91.7	54.5	4.12
	5'	7'	6.42	27.4	16.3	4.26
	4'	7'	8.02	35	20.2	4.36
	3'	7'	9.9	44.8	26.1	4.53
	2'	7'	15.5	72.5	40.3	4.7

High output (HO) diffuse wall washer (WW2)

Height (Y)	Spacing (X)	Setback (Z)	Min. FC	Max. FC	Avg. FC	Uniformity
12'	5'	5'	15.3	40.5	29.1	2.65
	4'	5'	18.1	49.3	34.8	2.73
	3'	5'	23.8	62.5	43.1	2.63
15'	2'	5'	36.4	96.8	57.7	2.58
	6'	6'	12.3	35.8	22.8	2.90
	5'	6'	11.1	34.6	21.4	3.11
	4'	6'	14.1	42.5	26.7	3.02
20'	3'	6'	16.7	53	34.3	3.17
	2'	6'	25.6	81.7	52.3	3.19
	5'	7'	11.7	33.7	21.5	2.88
	4'	7'	7.89	26.6	15.9	3.33
	3'	7'	9.31	31.8	19.2	3.42
	3'	7'	10.1	39	24	3.74
	2'	7'	17.4	66.3	38.3	3.8