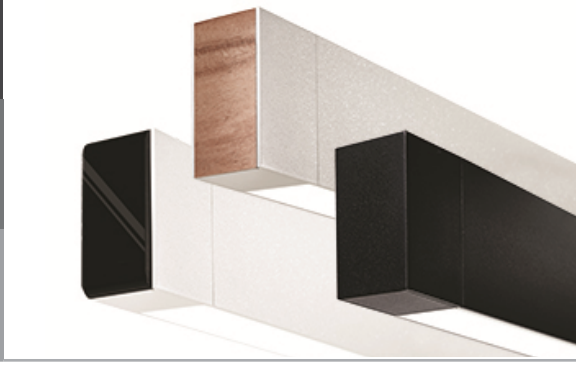
LEDALITE
by signify

Linear

MicroSquare gen2

Suspended



Ledalite's MicroSquare gen2 has been re-engineered to furnish your space with the highest quality, discreet, narrow lines of continuous light. Elegant, low glare illumination with wide-throw upper and lower distributions improve visual comfort while allowing increased fixture spacing. This in turn, helps reduce initial and operating costs.

Project:

Location:

Cat.No:

Type:

Line ID: Qty:

Notes:

Ordering guide

example: 2201LCGLN067DEW, A3-48

Family	Distribution	Source	CRI/CCT[1]	Lumens[1]	Optics	Run Length	Wiring[2]	Voltage
220		L						
220 MicroSquare gen2 Suspended	**1** Direct	**L** LED	**A** 80CRI/4000K	**G** 2600 lm/4ft	**LN** Flush Slik Lens	**04** 4ft	**7** 1cct Dimming	**D** UNV 120-277V
			B 80CRI/3500K	**K** 1300 lm/4ft		**06** 6ft	**M** 1cct Dimming + EM Wiring	**3** 347V
	3 Indirect		**C** 80CRI/3000K	**C** 4800 lm/4ft	**NQ** Symmetric Performance Lens	**08** 8ft		
				E 3200 lm/4ft		**xx** Continuous Run (2ft increments)		
	5 Indirect / Direct			**B** 5900 lm/4ft (75% Up)	**LQ** Flush Silk Lens (Dn) + Symmetric Performance Lens (Up)"		**7** 1cct Dimming	
				C 4700 lm/4ft (70% Up)			**G** 2cct Dimming (Up/Down)	
				E 3100 lm/4ft (55% Up)				
	6 Direct/Indirect			**B** 5900 lm/4ft (45% Down)	**LW** Flush Silk Lens (Dn) + Asymmetric Performance Lens (Up)"		**K** 2cct Dimming + EM Wiring	
				C 4300 lm/4ft (60% Down)				
				E 3300 lm/4ft (75% Down)				

Driver	Finish	Endcap Option	Mount Type	Suspension
E				
E Advance 0-10V (1% Dim)	**W** Standard White	**SC** Solid Cube (standard)	**A1** Non-accessible ceiling, 0°-15° Slope Mount	**24** 24"
	T Titanium Silver	**SB** Sculpted Black Acrylic	**A2** T-grid Fixed Position Mount	**48** 48"
	B Black	**FM** Flush Maple Insert	**A3** Non-accessible ceiling, 0°-90° Slope Mount	**96** 96"
	C Custom		**A5** T-grid 24" Span Mount (non tegular tile only)	**144** 144"
			A6-1 T-grid On-grid Mount 15/16" (non tegular tile only)	
			A6-2 T-grid On-grid Mount 9/16" (non tegular tile only)	
			A6-3 T-grid On-grid Mount 9/16" x 5/16" (slot tee & tegular tile)	

1. Nominal values within a range. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.
2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options

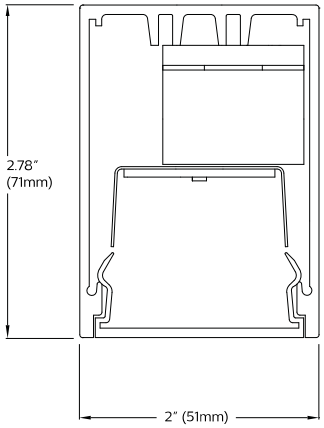
MicroSquare gen 2 linear suspended

Direct

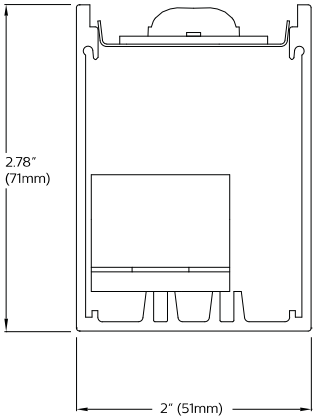
Indirect

Direct/Indirect

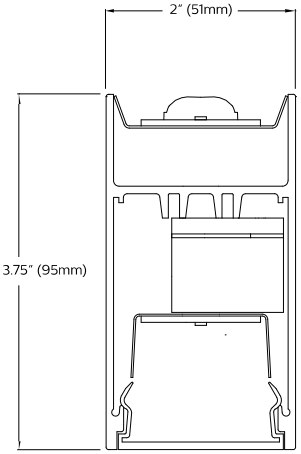
Suspended Direct



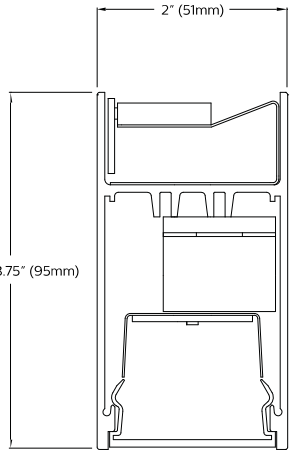
Suspended Indirect



Symmetric Wide - Throw Lens

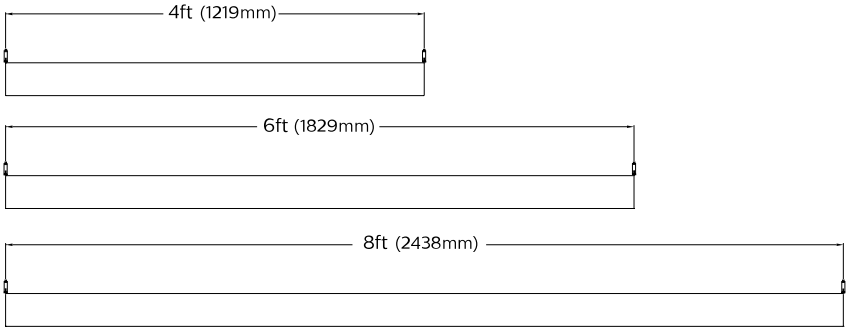


Asymmetric Wide - Throw Lens



Module Details & Dimensions

Suspended - Side View, No Endcaps



Endcaps

SC - Solid Cube (standard)

SB - Sculpted Black Acrylic

FM - Flush Maple

MicroSquare gen 2 linear suspended

Specifications

Optical System

Upper hemisphere: Light from a linear array of upwardfacing LEDs is shaped into a homogeneous, wide-throw batwing distribution using either a freeform elliptical lens or an engineered light guide panel. Lower hemisphere: Light from a linear array of downward-facing LEDs is diffused through a transmissive white engineered acrylic lens to deliver a highly uniform, luminous continuum without sacrificing efficacy.

Endcaps

Cubic aluminum endcaps with an internal draw-tight connector to minimize the joint line. Three styles available: solid cube, sculpted black acrylic insert or flush maple insert.

Finish

Standard finish is a textured matte powder coat in white, black or titanium silver.

Housing

Precision aluminum extrusion, post painted.

Weight

Maximum: Surface & Suspended Direct or Indirect - 7.5 lb/4ft; Suspended D/I - 9.5 lb/4ft; Wall D/I - 13.8 lb/4ft.

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Standard Driver

Advance Xitanium 0-10V, 1-100%. Class 2 rated output. Consult Ledalite for other available drivers.

Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11Reported methodology is: L80 (12k) >72,000 hrs.

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM.

Mounting

Suspended: Tamper-resistant aircraft cable gripper provides unlimited vertical adjustment. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

Approvals

Certified to UL, CSA and IES standards. Certain suspended indirect/direct versions are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

Warranty

Signify indoor professional luminaires 5 year LED warranty: www.signify.com/warranties.

Environment

Rated for dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants in the area of operation are not covered under warranty. Not suitable for natatorium environments.

MicroSquare gen 2 linear suspended

Photometrics

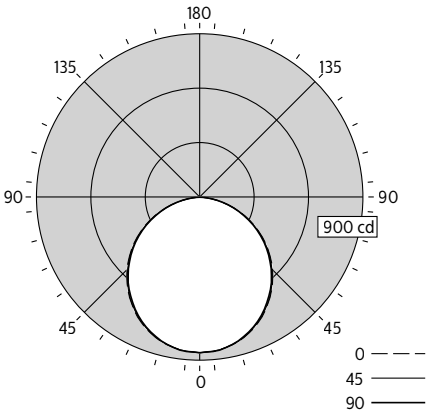
Direct Distribution (2201)

(Click "IES" text to Download)

Optics	Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	Distribution	RP-1 VDT	DLC*	IES File
Flush Silk Lens (LN)	2600 lm/4ft	80CRI, 4000K	2567	25.3	101.5	84	13	0% Up / 100% Down	N/A	N/A	IES
		80CRI, 3500K	2574	25.1	102.5	84	9	0% Up / 100% Down	N/A	N/A	IES
		80CRI, 3000K	2497	25.3	98.7	83	9	0% Up / 100% Down	N/A	N/A	IES
	1300 lm/4ft	80CRI, 4000K	1340	13.3	100.8	84	13	0% Up / 100% Down	Critcal spaces	N/A	IES
		80CRI, 3500K	1344	13.2	101.8	84	9	0% Up / 100% Down	Critcal spaces	N/A	IES
		80CRI, 3000K	1303	13.3	98.0	84	11	0% Up / 100% Down	Critcal spaces	N/A	IES

*DLC is only available with Advance 0-10V (1% dim) drivers.

Flush Silk Lens (LN)



0% Up / 100% Down

*Candela shown is for 1300 lm/4ft, 3500K, 80 CRI configuration.

MicroSquare gen 2 linear suspended

Photometrics

Indirect Distribution (2203)

(Click "IES" text to Download)

Optics	Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	Distribution	RP-1 VDT	DLC*	IES File
Symmetric Performance Lens (NQ)	4800 lm/4ft	80CRI, 4000K	4655	36.7	126.8	84	14	100% Up / 0% Down	Critcal spaces	Standard	IES
		80CRI, 3500K	4674	36.4	128.4	84	9	100% Up / 0% Down	Critcal spaces	Standard	IES
		80CRI, 3000K	4540	36.4	124.7	84	9	100% Up / 0% Down	Critcal spaces	Standard	IES
	3200 lm/4ft	80CRI, 4000K	3353	25.6	131.0	84	14	100% Up / 0% Down	Critcal spaces	Standard	IES
		80CRI, 3500K	3369	25.4	132.6	84	9	100% Up / 0% Down	Critcal spaces	Standard	IES
		80CRI, 3000K	3271	25.4	128.8	84	10	100% Up / 0% Down	Critcal spaces	Standard	IES

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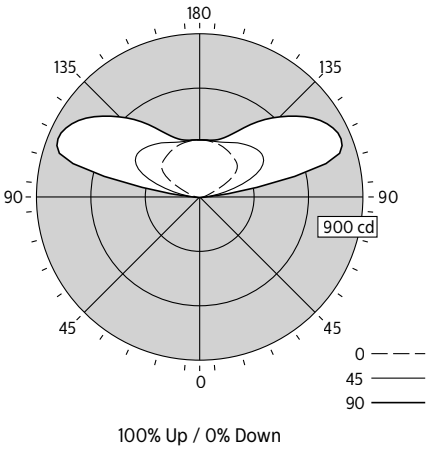
Symmetric Performance Lens (NQ)



100% Up / 0% Down

*Candela shown is for 3200 lm/4ft, 3500K, 80 CRI configuration.

MicroSquare gen 2 linear suspended

Photometrics

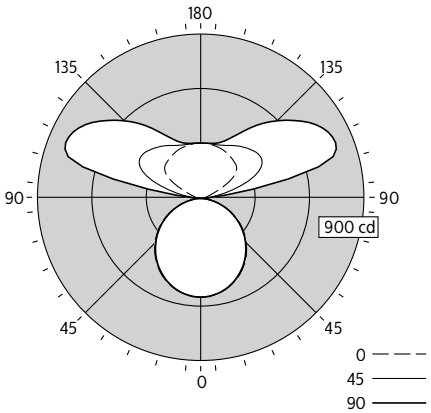
Indirect/Direct Distribution (2205)

(Click "IES" text to Download)

Optics	Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	Distribution	RP-1 VDT	DLC*	IES File
Flush Silk Lens (Dn) + Symmetric Performance Lens (Up) (LQ)	5900 lm/4ft	80CRI, 4000K	5940	49.5	120.0	84	14	78% Up / 22% Down	Critcal spaces	Standard	IES
		80CRI, 3500K	5963	49.1	121.4	84	9	78% Up / 22% Down	Critcal spaces	Standard	IES
		80CRI, 3000K	5790	49.3	117.4	84	10	78% Up / 22% Down	Critcal spaces	Standard	IES
	4700 lm/4ft	80CRI, 4000K	4682	38.7	121.0	84	14	72% Up / 28% Down	Critcal spaces	Standard	IES
		80CRI, 3500K	4695	38.4	122.3	84	9	72% Up / 28% Down	Critcal spaces	Standard	IES
		80CRI, 3000K	4559	38.5	118.4	84	10	72% Up / 28% Down	Critcal spaces	Standard	IES
	3100 lm/4ft	80CRI, 4000K	3054	24.7	123.6	84	13	56% Up / 44% Down	Critcal spaces	Standard	IES
		80CRI, 3500K	3063	24.5	125.0	84	9	56% Up / 44% Down	Critcal spaces	Standard	IES
		80CRI, 3000K	2973	24.6	120.9	84	11	56% Up / 44% Down	Critcal spaces	Standard	IES
Flush Silk Lens (Dn) + Asymmetric Performance Lens (Up) (LW)	5900 lm/4ft	80CRI, 4000K	5538	49.5	111.9	84	14	76% Up / 24% Down	Critcal spaces	N/A	IES
		80CRI, 3500K	5560	49.1	113.2	84	9	76% Up / 24% Down	Critcal spaces	N/A	IES
		80CRI, 3000K	5397	49.3	109.5	84	10	76% Up / 24% Down	Critcal spaces	N/A	IES
	4700 lm/4ft	80CRI, 4000K	4389	38.7	113.4	84	14	70% Up / 30% Down	Critcal spaces	N/A	IES
		80CRI, 3500K	4403	38.4	114.7	84	9	70% Up / 30% Down	Critcal spaces	N/A	IES
		80CRI, 3000K	4274	38.5	111.0	84	10	70% Up / 30% Down	Critcal spaces	N/A	IES
	3100 lm/4ft	80CRI, 4000K	2905	24.7	117.6	84	13	54% Up / 46% Down	Critcal spaces	N/A	IES
		80CRI, 3500K	2914	24.5	118.9	84	9	54% Up / 46% Down	Critcal spaces	N/A	IES
		80CRI, 3000K	2829	24.6	115.0	84	11	54% Up / 46% Down	Critcal spaces	N/A	IES

*DLC is only available with Advance 0-10V (1% dim) drivers.

Flush Silk Lens (Dn) + Symmetric Performance Lens (Up) (LQ)



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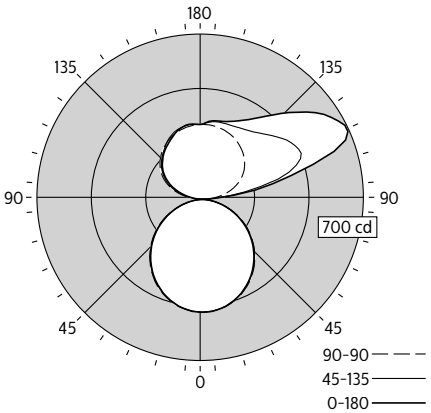
Flush Silk Lens (Dn) + Asymmetric Performance Lens (Up) (LW)



54% Up / 46% Down

*Candela shown is for 3100 lm/4ft, 3500K, 80 CRI configuration.

MicroSquare gen 2 linear suspended

Photometrics

Direct/Indirect Distribution (2206)

Spacing Criteria: 1.25/1.24

(Click "IES" text to Download)

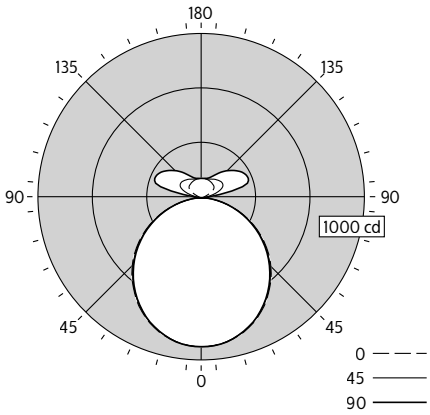
Optics	Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	Distribution	RP-1 VDT	DLC*	IES File
Flush Silk Lens (Dn) + Symmetric Performance Lens (Up) (LQ)	5900 lm/4ft	80CRI, 4000K	5840	49.4	118.2	84	14	56% Up / 44% Down	N/A	Standard	IES
		80CRI, 3500K	5857	49.0	119.5	84	9	56% Up / 44% Down	N/A	Standard	IES
		80CRI, 3000K	5687	49.2	115.6	84	10	56% Up / 44% Down	N/A	Standard	IES
	4300 lm/4ft	80CRI, 4000K	4291	38.7	110.9	84	14	40% Up / 60% Down	N/A	Standard	IES
		80CRI, 3500K	4304	38.4	112.1	84	9	40% Up / 60% Down	N/A	Standard	IES
		80CRI, 3000K	4179	38.5	108.5	84	10	40% Up / 60% Down	N/A	Standard	IES
	3300 lm/4ft	80CRI, 4000K	3288	32.5	101.2	84	14	23% Up / 77% Down	N/A	N/A	IES
		80CRI, 3500K	3297	32.3	102.1	84	9	23% Up / 77% Down	N/A	N/A	IES
		80CRI, 3000K	3201	32.4	98.8	84	10	23% Up / 77% Down	N/A	N/A	IES

Spacing Criteria: 1.24/1.25

Flush Silk Lens (Dn) + Asymmetric Performance Lens (Up) (LW)	5900 lm/4ft	80CRI, 4000K	5555	49.4	112.4	84	14	54% Up / 46% Down	N/A	N/A	IES
		80CRI, 3500K	5571	49.0	113.7	84	9	54% Up / 46% Down	N/A	N/A	IES
		80CRI, 3000K	5409	49.2	109.9	84	10	54% Up / 46% Down	N/A	N/A	IES
	4300 lm/4ft	80CRI, 4000K	4140	38.7	107.0	84	14	38% Up / 62% Down	N/A	N/A	IES
		80CRI, 3500K	4152	38.4	108.1	84	9	38% Up / 62% Down	N/A	N/A	IES
		80CRI, 3000K	4031	38.5	104.7	84	10	38% Up / 62% Down	N/A	N/A	IES
	3300 lm/4ft	80CRI, 4000K	3222	32.5	99.1	84	14	21% Up / 79% Down	N/A	N/A	IES
		80CRI, 3500K	3231	32.3	100.0	84	9	21% Up / 79% Down	N/A	N/A	IES
		80CRI, 3000K	3138	32.4	96.9	84	10	21% Up / 79% Down	N/A	N/A	IES

*DLC is only available with Advance 0-10V (1% dim) drivers.

Flush Silk Lens (Dn) + Symmetric Performance Lens (Up) (LQ)



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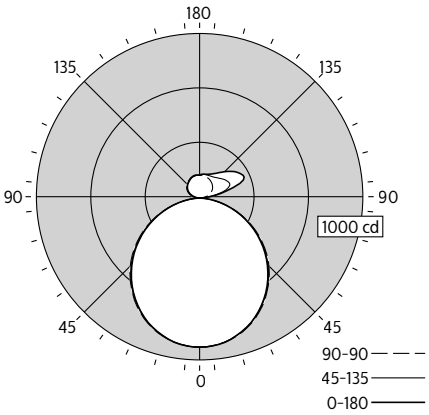
Flush Silk Lens (Dn) + Asymmetric Performance Lens (Up) (LW)



21% Up / 79% Down

*Candela shown is for 3300 lm/4ft, 3500K, 80 CRI configuration.

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