



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: 2225LAELW087DEW, SC

| Family | Distribution | Source | CRI/CCT ¹ | Lumens ¹ | Optics | Run Length | Wiring ² | Voltage |
|---------------------------|-------------------|---------------------------|---|--|--|------------------------------------|--|--------------------------|
| 222 | | L | | | | | | |
| 222 MicroSquare gen2 Wall | 1 Direct | L LED | A 80CRI/4000K B 80CRI/3500K C 80CRI/3000K | G 2600 lm/4ft K 1300 lm/4ft | LN Flush Slik Lens | 04 4ft 06 6ft 08 8ft | 7 1cct Dimming M 1cct Dimming + EM Wiring | D UNV 120-277V 3 347V |
| | 5 Indirect/Direct | | | B 5900 lm/4ft (75% Up) C 4700 lm/4ft (70% Up) E 3100 lm/4ft (55% Up) | LW Flush Silk Lens (Dn) + Asymmetric Performance Lens (Up) | xx Continuous Run (2ft increments) | 7 1cct Dimming | |
| | 6 Direct/Indirect | | | B 5900 lm/4ft (45% Down) C 4300 lm/4ft (60% Down) E 3300 lm/4ft (75% Down) | | G 2cct Dimming (Up/Down) | | |
| | | | | K 2cct Dimming + EM Wiring | | | | |
| Driver | Finish | Endcap Option | | | | | | |
| E | | | | | | | | |
| E Advance 0-10V (1% Dim) | W Standard White | SC Solid Cube (standard) | | | | | | |
| | T Titanium Silver | SB Sculpted Black Acrylic | | | | | | |
| | B Black | FM Flush Maple Insert | | | | | | |
| | C Custom | | | | | | | |

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.

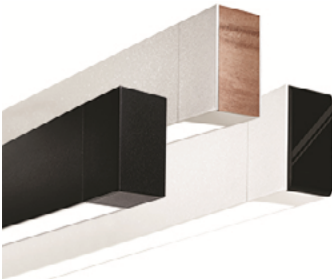
1. Nominal values within a range. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.
2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.

MicroSquare gen2 linear wall

Direct



Direct/Indirect



Endcaps

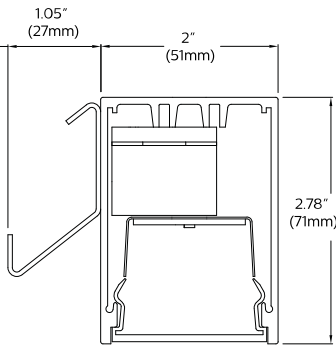
SC - Solid Cube
(standard)



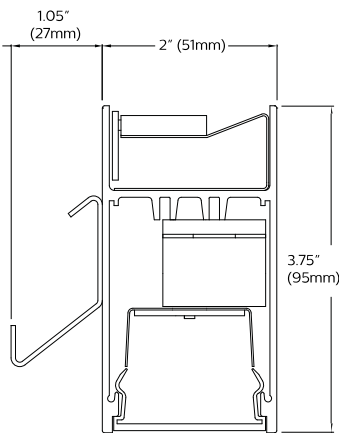
SB - Sculpted
Black Acrylic



Wall Direct



Asymmetric Wide – Throw Lens

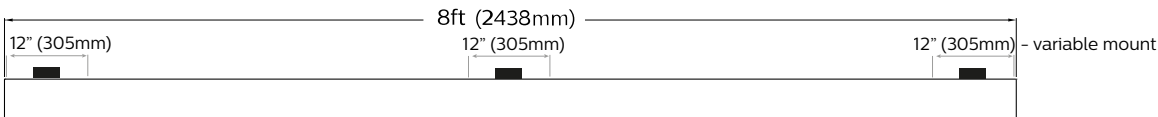
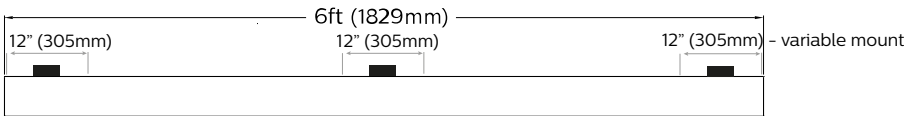


FM - Flush Maple



Module Details & Dimensions

Wall Mount - Top View, No Endcaps



MicroSquare gen2 linear wall

Specifications

Optical System

Upper hemisphere: Light from a linear array of upward-facing 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-21-11 Reported 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

Wall: A hidden steel rail and bracket system attaches the housing to the wall structure. Mount positioning is fully variable along the modules to accommodate site conditions, spaced up to 4' on center and within 12" of an end or joint.

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 gen2 linear wall

Photometrics

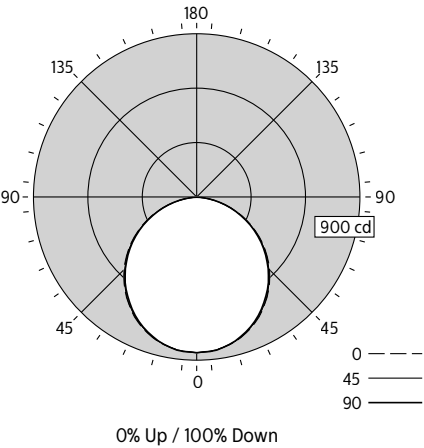
Direct Distribution (2201)

(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 | Critical spaces | N/A | IES |
| | | 80CRI, 3500K | 1344 | 13.2 | 101.8 | 84 | 9 | 0% Up / 100% Down | Critical spaces | N/A | IES |
| | | 80CRI, 3000K | 1303 | 13.3 | 98.0 | 84 | 11 | 0% Up / 100% Down | Critical spaces | N/A | IES |

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

Flush Silk Lens (LN)



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

MicroSquare gen2 linear wall

Photometrics

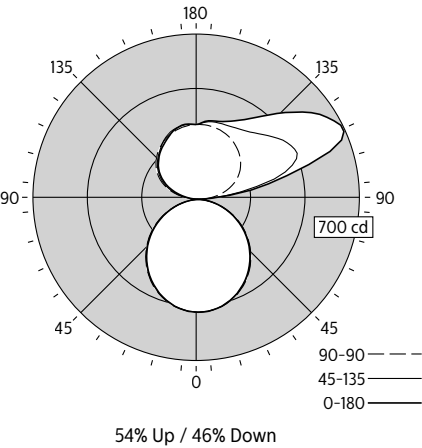
Indirect/Direct Distribution (2225)

(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) + Asymmetric Performance Lens (Up) (LW) | 5900 lm/4ft | 80CRI, 4000K | 5538 | 49.5 | 111.9 | 84 | 14 | 76% Up / 24% Down | Critical spaces | N/A | IES |
| | | 80CRI, 3500K | 5560 | 49.1 | 113.2 | 84 | 9 | 76% Up / 24% Down | Critical spaces | N/A | IES |
| | | 80CRI, 3000K | 5397 | 49.3 | 109.5 | 84 | 10 | 76% Up / 24% Down | Critical spaces | N/A | IES |
| | 4700 lm/4ft | 80CRI, 4000K | 4389 | 38.7 | 113.4 | 84 | 14 | 70% Up / 30% Down | Critical spaces | N/A | IES |
| | | 80CRI, 3500K | 4403 | 38.4 | 114.7 | 84 | 9 | 70% Up / 30% Down | Critical spaces | N/A | IES |
| | | 80CRI, 3000K | 4274 | 38.5 | 111.0 | 84 | 10 | 70% Up / 30% Down | Critical spaces | N/A | IES |
| | 3100 lm/4ft | 80CRI, 4000K | 2905 | 24.7 | 117.6 | 84 | 13 | 54% Up / 46% Down | Critical spaces | N/A | IES |
| | | 80CRI, 3500K | 2914 | 24.5 | 118.9 | 84 | 9 | 54% Up / 46% Down | Critical spaces | N/A | IES |
| | | 80CRI, 3000K | 2829 | 24.6 | 115.0 | 84 | 11 | 54% Up / 46% Down | Critical spaces | N/A | IES |

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

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



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

MicroSquare gen2 linear wall

Photometrics

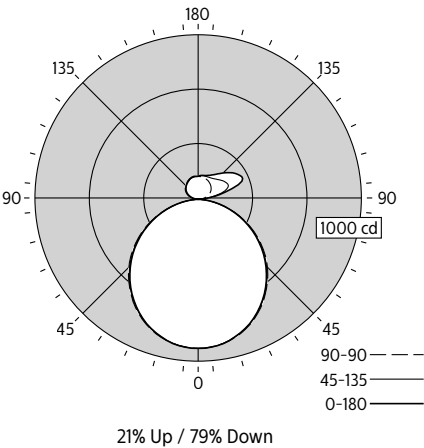
Direct/Indirect Distribution (2226)

Spacing Criteria: 1.24/1.25 (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) + 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) + Asymmetric Performance Lens (Up) (LW)



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

