





Project:

Spec Type:

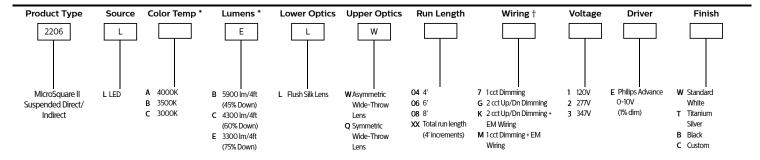
Catalog No: 2206LxELW

Qty

Line Notes:

Philips 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.

#### **Ordering guide**



#### **Mounting Hardware**

Mount Type
Consult separate mounting spec sheet for mount type options

Suspension Length
Distance from ceiling to top of luminaire in inches

SC-Solid Cube SB-Sculpted Gstandard) SB-Sculpted Black Acrylic



<sup>\*</sup> Nominal values within a range. Consult photometry data for color temp, lumens & distribution of chosen configuration.

<sup>†</sup> Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

3300 lm/4ft, Direct/Indirect Asym 3000/3500/4000K

### **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

Philips Advance Xitanium 0-10V, 1-100%. Class 2 rated output. Consult Philips 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:  $L_{80}$  (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.

**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  $4\frac{1}{2}$  on center and within 12" of an end or joint.

 $\begin{tabular}{ll} \textbf{Surface}: Fixture is mounted flush to surface using hidden brackets at ends and joints. \end{tabular}$ 

#### **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

Philips indoor professional luminaires 5 year LED warranty: www.philips.com/warranties.

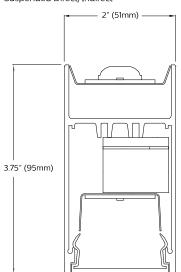
#### **Environment**

Rated for dry or damp locations in operating ambient temperatures  $0-40^{\circ}\text{C}$  (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.

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.

#### **Dimensions - Cross Section**

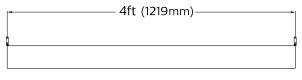
Suspended Direct/Indirect

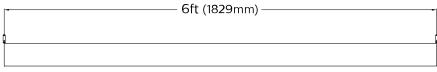


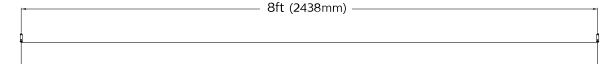
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## **Dimensions - Modules**

Suspended - Side view, no end caps

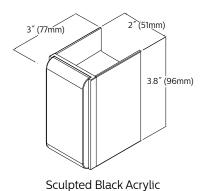


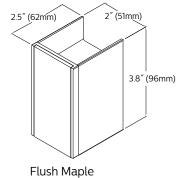


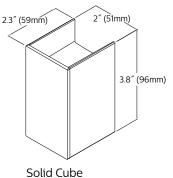


## **Optics and Styles**

## **Endcap Details**

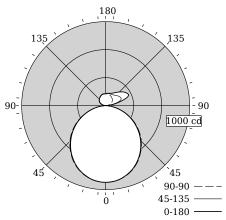






3300 lm/4ft, Direct/Indirect Asym 3000/3500/4000K

#### Photometry - 3500K



21% Up / 79% Down

#### Candela Distribution

Vertical		Zonal				
Angle	0	45	90	135	180	Lumens
0	913	913	913	913	913	0
5	909	909	908	909	909	86
15	872	872	876	872	872	246
25	804	806	811	806	804	371
35	707	710	715	710	707	444
45	588	595	602	595	588	458
55	453	460	468	460	453	410
65	310	314	320	314	310	311
75	166	167	168	167	166	177
85	40	39	38	39	40	46
90	0	0	0	0	0	0
95	24	21	15	10	6	22
105	172	147	48	43	38	90
115	301	204	75	71	67	130
125	277	193	96	92	89	126
135	230	171	111	107	105	108
145	187	156	122	121	118	87
155	162	150	131	134	130	65
165	151	148	137	141	141	41
175	146	145	140	141	141	14
180	141	141	141	141	141	0

Values per 4ft unit

Fixture photometry has been conducted in accordance with IESNA LM-79-08

IES files for this and other photometric options can be downloaded online at www.lightingproducts.philips.com

### Coefficients of Utilization (%)

0.00	Ceiling:		8	0			70			50		0
RCR	Wall:	70	50	30	10	70	50	30	50	30	10	0
0		114	114	114	114	109	109	109	99	99	99	79
1		104	99	95	92	99	95	91	87	84	82	66
2		95	87	80	75	90	83	77	76	71	67	55
3		86	76	68	62	82	73	66	67	61	56	46
4		79	67	59	52	75	65	57	59	53	48	40
5		72	60	51	45	69	58	50	53	47	41	34
6		67	54	45	39	64	52	44	48	41	36	30
7		62	49	40	34	59	47	39	44	37	32	26
8		58	44	36	31	55	43	35	40	33	28	24
9		54	41	33	27	51	39	32	37	30	26	21
10		50	37	30	25	48	36	29	34	27	23	19

#### Avg. Luminance (cd/m2)

Vertical	H	Iorizontal Ang	le
Angle	0	90	180
55	13597	14047	13597
65	12628	13036	12628
75	11042	11175	11042
85	7901	7506	7901

## Distribution

Hemisphere	21% Up / 79% Down		
	1		
Spacing Along (0 °)	1.24		
Spacing Across (90°)	1.25		
Spacing at 180 °	1.24		

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## **Optical Performance**

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	3138	3231	3222
Efficacy (lm/W)	96.9	100.0	99.1
Power (W)	32.4	32.3	32.5
CCT (K)	3159	3558	4224
CRI	84	84	84
R9	10	9	14
x	0.4248	0.4022	0.3705
у	0.3973	0.3894	0.3684
Duv	-0.0010	0.0000	-0.0010

#### **Electrical Performance - 3500K**

Input Voltage	120V	277V	347V	
Input Power	32.3W	32.3W	33.6W	
Input Current	0.27A	0.13A	0.10A	
Power Factor	0.993	0.928	0.929	
Total Harm. Distortion	10.7%	14.4%	14.0%	

Tested values . contact technical support for rated values. Off-state power zero unless certain controls are specified.

