





Project:

Spec Type:

Catalog No: 2205LxBLQ

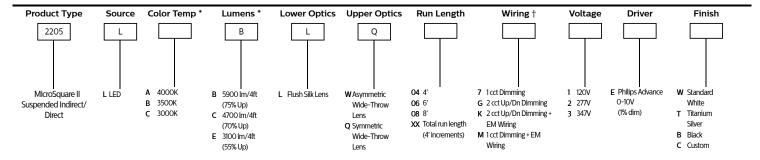
Qty

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

3000/3500/4000K



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

Mounting Hardware

Mount Type
Consult separate mounting spec sheet for mount type options

Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps -











5900 lm/4ft, Indirect/Direct Sym 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.

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.

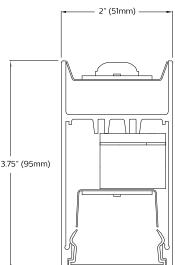
Environment

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

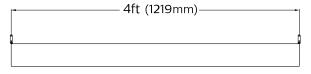
Suspended Direct/Indirect

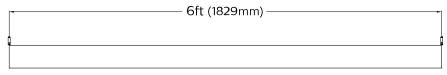


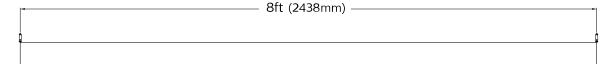
5900 lm/4ft, Indirect/Direct Sym 3000/3500/4000K

Dimensions - Modules

Suspended - Side view, no end caps

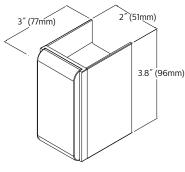




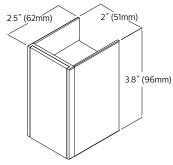


Optics and Styles

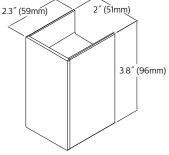
Endcap Details



Sculpted Black Acrylic



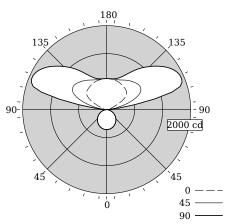
Flush Maple



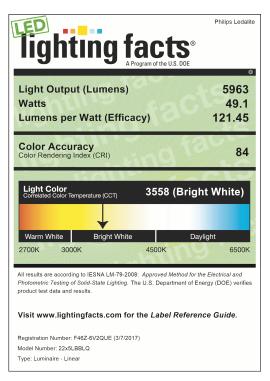
Solid Cube

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Photometry - 3500K



78% Up / 22% Down



Candela Distribution

Vertical		Zonal				
Angle	0	22.5	45	67.5	90	Lumens
0	476	476	476	476	476	0
5	474	474	474	474	474	45
15	457	455	456	456	454	129
25	422	419	420	420	418	193
35	374	370	372	370	368	232
45	314	310	311	308	307	239
55	244	241	241	239	238	215
65	169	166	166	164	164	163
75	89	89	89	89	89	94
85	16	18	19	20	20	23
90	0	0	0	0	0	0
95	22	43	60	84	96	103
105	85	137	436	1227	1609	658
115	253	372	850	1559	1929	952
125	560	651	968	1491	1756	949
135	652	711	924	1272	1453	767
145	684	720	852	1036	1135	554
155	711	725	779	839	866	365
165	727	729	744	756	760	211
175	736	736	739	739	740	70
180	739	739	739	739	739	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 (%)

D.CD	Ceiling:		8	0			70			50		0
RCR	Wall:	70	50	30	10	70	50	30	50	30	10	0
0		101	101	101	101	89	89	89	68	68	68	22
1		92	87	84	80	81	78	75	59	57	55	19
2		83	76	70	65	74	68	63	52	49	46	16
3		76	67	60	54	67	59	54	46	42	38	13
4		69	59	51	46	61	52	46	40	36	32	11
5		63	52	45	39	56	47	40	36	31	28	10
6		58	47	39	33	51	42	35	32	27	24	8
7		54	42	34	29	47	37	31	29	24	21	7
8		50	38	30	25	44	34	27	26	22	18	7
9		46	34	27	22	41	31	25	24	19	16	6
10		43	31	24	20	38	28	22	22	18	15	5

Avg. Luminance (cd/m2)

Vertical	H	orizontal An	gle
Angle	0	45	90
55	7327	7234	7142
65	6881	6755	6671
75	5892	5892	5892
85	3255	3662	3866

Distribution

Hemisphere	78% Up / 22% Down
Peak/Zenith	2.62
Peak Output	1932 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	5790	5963	5940
Efficacy (lm/W)	117.4	121.4	120.0
Power (W)	49.3	49.1	49.5
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	49.1W	48.9W	51.0W
Input Current	0.41A	0.18A	0.15A
Power Factor	0.994	0.962	0.964
Total Harm. Distortion	6.9%	11.3%	10.0%

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

