

Slender. Adaptable. Performance.

MICROSQUARE SUSPENDED LED



DIRECT/INDIRECT, WHITE LENS - DUST COVER
CRI >80 3500K, 3000 lm/4ft

Project:

Spec Type:

Catalog No: MQ06LBKxF

Qty

Line Notes:



Ordering guide

Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
MQ06	L	B	K		F					
MicroSquare Suspended Direct/ Indirect	L LED	A 4000K B 3500K C 3000K	G 5400 lm/4ft K 3000 lm/4ft	F White Lens C Continuous White Lens	F Dust Cover	04 4' 08 8' 12 12' XX (4' increments) 04 3'8" 08 7'4" 12 11' XX (3'8" increments)	1 1 cct 2 2 cct L/R or C/ O or 7 Up/Down 1 cct w/ Dimming B 2 cct A/B	1 120V 2 277V 3 347V	E Philips Advance Other drivers available - consult factory	W Standard White A Aluminum B Black C Custom

* Nominal values within a range. Consult ies file for exact color temp, lumens and distribution † Not all wiring types are available with all configurations. Consult factory for complete list of available options

Mounting Hardware

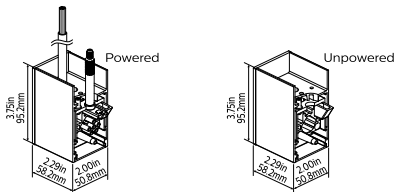
Mount Type
Consult separate mounting spec sheet for mount type options

Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps -

Integrated Controls Please indicate with check mark.

No Options Available

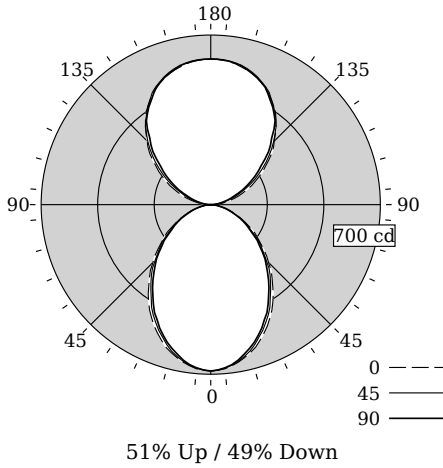


© 2014 Koninklijke Philips N.V. All rights reserved.
Specifications are subject to change without notice.
www.philips.com/luminaires

MICROSQUARE SUSPENDED LED

DIRECT/INDIRECT, WHITE LENS - DUST COVER

Photometry



Total Output	2978 lm
Efficacy	110.3 lm/W
CCT	3387K
CRI	82
R9	5
Distribution	51% Up / 49% Down
Spacing Criteria (0/90/180°)	1.11/1.06/NA
Meets RP-1-04 recommendations for VDT-Intensive spaces	

Values per 4ft unit

Fixture photometry has been conducted by an NVLAP accredited testing laboratory in accordance with IESNA LM-79-08

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

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	687	687	687	687	687	0
5	680	680	677	679	676	64
15	632	634	626	626	615	176
25	553	555	537	535	524	249
35	450	454	431	431	419	273
45	337	342	324	324	317	254
55	235	235	224	223	213	204
65	142	141	140	139	134	138
75	88	88	86	87	85	71
85	17	14	15	18	14	19
90	0	0	0	0	0	0
95	38	27	23	17	19	27
105	102	85	80	70	71	86
115	187	169	161	142	146	158
125	275	263	260	238	239	228
135	371	368	367	349	349	278
145	466	460	462	452	456	286
155	530	531	537	532	533	245
165	576	576	581	579	577	163
175	598	599	600	599	599	57
180	601	601	601	601	601	0

Coefficients of Utilization (%)

RCR	Ceiling:		80					70					50					0					
	70	50	30	10	70	50	30	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	
0	107	107	107	107	98	98	98	83	83	83	49	49	49	49	49	49	49	49	49	49	49	49	49
1	98	94	90	87	90	86	83	73	71	69	42	42	42	42	42	42	42	42	42	42	42	42	42
2	89	82	76	71	82	76	71	64	61	57	36	36	36	36	36	36	36	36	36	36	36	36	36
3	82	73	66	60	75	67	61	57	53	49	31	31	31	31	31	31	31	31	31	31	31	31	31
4	75	65	57	51	69	60	53	51	46	42	27	27	27	27	27	27	27	27	27	27	27	27	27
5	69	58	50	44	63	54	47	46	40	36	23	23	23	23	23	23	23	23	23	23	23	23	23
6	64	52	44	38	59	48	41	41	36	32	21	21	21	21	21	21	21	21	21	21	21	21	21
7	59	47	39	34	54	44	37	38	32	28	19	19	19	19	19	19	19	19	19	19	19	19	19
8	55	43	35	30	50	40	33	34	29	25	17	17	17	17	17	17	17	17	17	17	17	17	17
9	51	39	32	27	47	37	30	32	26	23	15	15	15	15	15	15	15	15	15	15	15	15	15
10	48	36	29	24	44	34	27	29	24	21	14	14	14	14	14	14	14	14	14	14	14	14	14

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	7659	7305	6969
65	6272	6191	5925
75	4915	4752	4682
85	3758	3251	3090

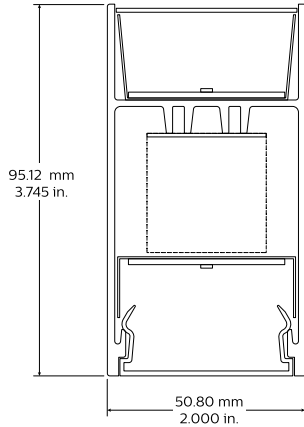
Electrical Specifications

Input Voltage	120V	277V
Input Power	27W	26.7W
Input Current	0.23A	0.1A
Power Factor	0.996	0.964
Total Harm. Distortion	7.5%	13.5%
Tested values – contact technical support for rated values. Off-state power zero unless certain controls are specified.		

MICROSQUARE SUSPENDED LED

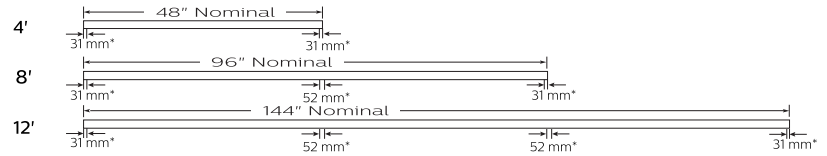
DIRECT/INDIRECT, WHITE LENS - DUST COVER

Options and Details



Modules

Standard modules mount to mount dimensions.



Continuous lens modules mount to mount dimensions.



Note: Refer to installation instructions for exact mount.

* In-Run lens break = 52 mm & lens break at end = 31 mm

Optics & Styles



Continuous style lens at end (C)
(without bottom plate in 44" increments)

Continuous style lens at joint (C)
(without bottom plate in 44" increments)

Standard style lens at end (F)
(31 mm lens break at each end)

Standard style lens at joint (F)
(62 mm lens break at each joint)

Housing

High purity extruded aluminum housing. Contains some recycled material.

Optical System

In the lower hemisphere, white light from downward facing LED sources is directed towards the optical aperture using highly efficient Miro silver reflectors and diffused by a matte frost acrylic extruded lens. In the upper hemisphere, a smooth light distribution is achieved by a combination of the integral LED package optics and an acrylic diffuser / dust cover.

Standard Driver

Dimming 0-10V, 10-100% output is Class 2 rated. Important: Fixture wired for non-dim operation unless dimming is specified.

Lumen Maintenance

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation is: L₈₀ (12k) 60,000h according to IES TM-21-11 Addendum A

Reported methodology
L₈₀ (6k) 72,000h according to IES TM-21-11 Projected methodology

Electrical

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

Mounting

Fixed position mounts supplied standard at ends. Aircraft cable gripper provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Endcaps

Each row is completed by a die-cast aluminum end cap. An internal draw-tight connector minimizes the joint line.

Approvals

Complies to US and Canadian Safety Standards. UL or ETL listed and suitable for damp locations.

Finish

High quality powder coated, available in matte White, Aluminum or Black. Other factory and custom colors available on request.

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.

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



©2014 Koninklijke Philips N.V. All rights reserved.
Specifications are subject to change without notice.
www.philips.com/luminaires

MSQSusp_35K30lm_xF.pdf 02.16 page 3 of 3

Philips Lighting
North America Corporation
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008