



Linear

Chopstick suspended

3400 lm/4ft
3000/3500/4000K



Project: _____
 Spec Type: _____
 Catalog No: 7505LxEQN04
 Qty _____
 Line Notes: _____

Fixture scale, performance, lighting quality and budget—why compromise? Chopstick offers small size with big lighting performance and a price point that makes it ideal for use in many different types of spaces.

Ordering guide

Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
<input type="text" value="7505"/>	<input type="text" value="L"/>	<input type="text"/>	<input type="text" value="E"/>	<input type="text" value="Q"/>	<input type="text" value="N"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Chopstick Susp Semi-Indirect	L LED	A 4000K B 3500K C 3000K	A 6500 lm/4ft C 4800 lm/4ft E 3400 lm/4ft	Q MesoOptics Lens S MesoOptics Lens	N Lightguide	04 4' 06 6' 08 8' XX Total run length (2' increments)	7 1 cct Dimming E 2 cct A/B Dimming (Alt. 4ft.) M 1 cct Dimming + EM Wiring N 1 cct Dimming + EM Batt. Pack	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% dim)	W Standard White T Titanium Silver B Black C Custom

* Nominal values within a range. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.

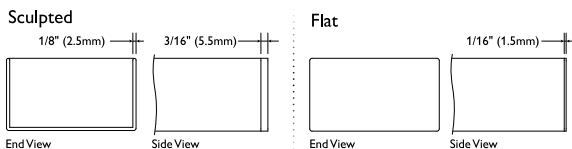
† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

Mounting Hardware

Mount Type
 Consult separate mounting spec sheet for mount type options:
Ledalite Suspended Mounting Options

Suspension Length
 Distance from ceiling to top of luminaire in inches

Endcaps -



Integrated Controls Please indicate with check mark.

Response Daylight Single Zone (DS)

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Optical System

A low-profile light guide panel is edge lit by an LED array. The light guide couples and transmits the light via total internal reflection, then the etched surface of the panel optimizes the light extraction to create a semi-indirect (suspended) or direct/indirect (wall) distribution. Light is purified and controlled by MesoOptics film as it passes through the non-glare acrylic lens.

Endcaps

Diecast aluminum endcaps, available in flat (standard) or edge sculpted.

Finish

High quality powder coated, available in matte white, black or titanium silver. Other factory and custom colors available on request.

Housing

Precision formed 20 gauge cold-rolled steel.

Weight

Maximum 3.0lb/ft.

Electrical

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

QuickShip

Upon request, Chopstick suspended can be made-to-order and shipped in 10-working days from receipt of order.

Some configurations excluded. Limit of 500' linear feet per order.

QuickShip details are available in the links below:

[QuickShip ColorCoded Guide](#)

[QuickShip Order Guide](#)

Standard Driver

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

Standard Battery Pack

Philips Bodine, 90 min, 10W, Class 2 rated output, Emergency lumen output = 10W x luminaire efficacy x 1.1. Typical output: suspended 1100lm, wall 900lm.

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 is: L₉₀ (10k) >60,000 hrs (Reported methodology)

Source Color

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

Controls

Available with the following integrated controls:
Response daylight sensor (for single zone).

Mounting

Suspended: tamper-resistant aircraft cable grippers provide infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements. **Wall:** Steel mounting brackets provided, spaced 4ft on center, fixture held 3/4" from wall.

Joints

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

Approvals

Certified to UL, CSA and IES standards. Suspended versions without battery packs are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers under DLC family code WWWBYU (www.designlights.org/QPL).

Warranty

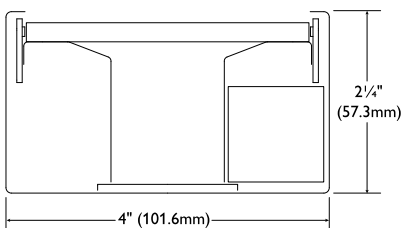
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>

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.

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

Dimensions - Cross Section



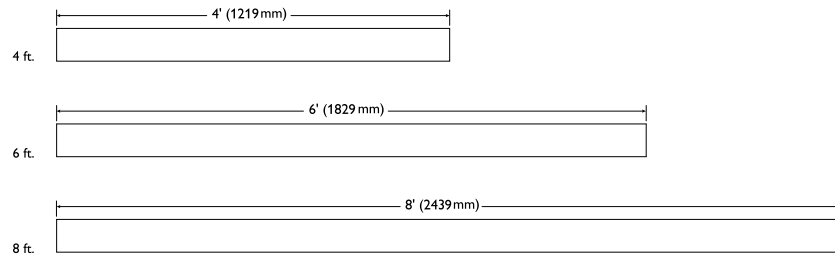
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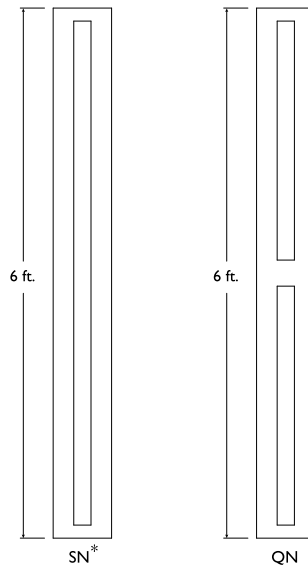
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Dimensions - Modules

Modules



Optics and Styles



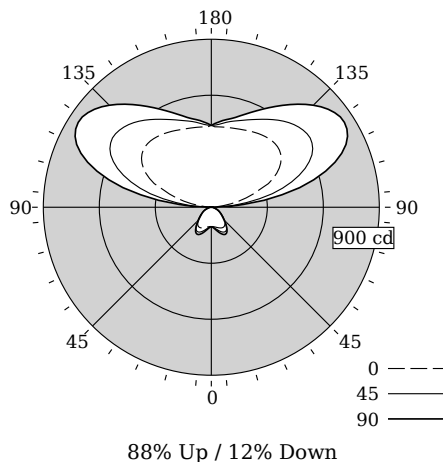
*SN optic is only available in 6ft modules

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Photometry @ CRI>80, 3500K



Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	22.5	45	67.5	
0	104	104	104	104	0
5	104	105	107	109	10
15	112	116	125	133	36
25	122	131	147	159	67
35	123	132	143	148	86
45	98	105	103	99	78
55	64	72	68	65	60
65	38	46	43	42	41
75	17	22	21	19	22
85	5	11	11	9	7
90	0	0	0	0	0
95	28	91	123	151	173
105	194	279	396	518	568
115	365	441	579	734	796
125	457	517	647	788	844
135	482	528	626	733	773
145	473	509	573	641	667
155	454	481	518	556	570
165	439	454	478	493	498
175	432	438	445	453	458
180	439	439	439	439	439

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 (%)

RCR	Ceiling											
	70	50	30	10	70	50	30	50	30	10	0	0
0	98	98	98	98	86	86	86	62	62	62	12	12
1	89	85	82	78	78	74	72	54	53	51	10	10
2	81	74	69	64	71	65	60	48	45	42	9	9
3	74	65	58	53	64	57	52	42	38	35	7	7
4	68	58	50	45	59	50	44	37	33	30	6	6
5	62	51	43	38	54	45	38	33	29	25	5	5
6	57	45	38	32	49	40	34	29	25	22	5	5
7	52	41	33	28	45	36	30	27	22	19	4	4
8	48	37	30	25	42	32	26	24	20	17	4	4
9	45	33	26	22	39	29	23	22	18	15	3	3
10	42	30	24	19	36	27	21	20	16	13	3	3

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3256	3439	3222
65	2620	2976	2821
75	1892	2351	1998
85	1763	3508	2216

Distribution

Hemisphere	88% Up / 12% Down
Peak/Zenith	1.93
Peak Output	846 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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Optical Performance @ 120V

Nominal Spec:	830	835	840
Flux (lm)	3409	3373	3503
Efficacy (lm/W)	120.0	119.2	124.7
Power (W)	28.4	28.3	28.1
CCT (K)	2979	3384	3907
CRI	85	83	84
R9	17	12	16
x	0.4363	0.4120	0.3852
y	0.4001	0.3937	0.3809
Duv	0.0016	0.0002	0.0006

Electrical Performance @ CRI>80, 3500K

Input Voltage	120V	277V	347V
Input Power	28.3W	28.2W	27.8W
Input Current	0.24A	0.11A	0.08A
Power Factor	0.990	0.959	0.967
Total Harm. Distortion	8.0%	11.0%	10.0%

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

