



# Linear

Chopstick suspended

4800 lm/4ft  
3000/3500/4000K



Project: \_\_\_\_\_  
 Spec Type: \_\_\_\_\_  
 Catalog No: 7505LxCQN04 \_\_\_\_\_  
 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="C"/>	<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.

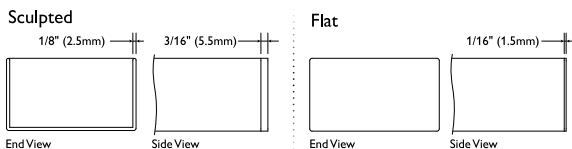
† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

## 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: L<sub>90</sub> (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](http://www.designlights.org/QPL)).

## Warranty

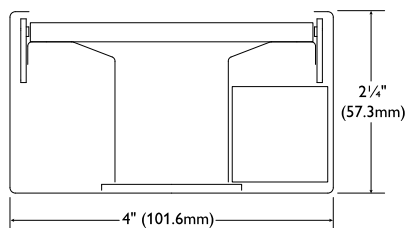
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>

## 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



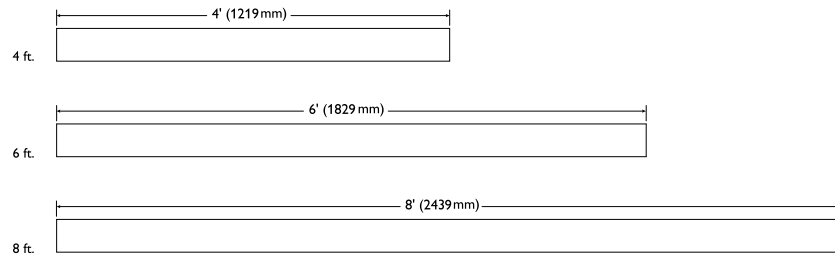
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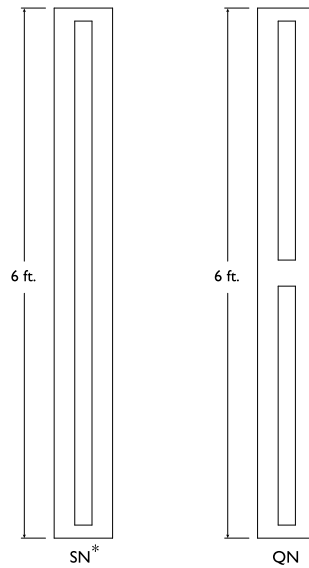
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## Dimensions - Modules

### Modules



## Optics and Styles



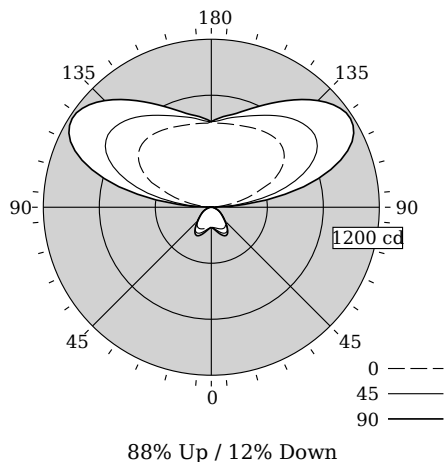
\*SN optic is only available in 6ft modules

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## Photometry @ CRI>80, 3500K



## Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	22.5	45	67.5	
0	145	145	145	145	0
5	145	147	150	152	15
15	156	162	174	186	50
25	171	183	205	222	93
35	171	184	199	206	120
45	137	146	144	137	109
55	90	100	95	90	89
65	53	64	60	59	57
75	24	31	29	27	30
85	7	16	15	12	9
90	0	0	0	0	0
95	39	126	172	211	188
105	270	389	551	722	573
115	509	614	807	1024	798
125	636	720	902	1098	808
135	672	736	873	1022	678
145	659	709	799	894	503
155	632	670	722	775	335
165	612	633	667	687	188
175	603	610	621	632	639
180	611	611	611	611	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](http://www.lightingproducts.philips.com)

## Coefficients of Utilization (%)

RCR	Ceiling											
	70	50	30	10	70	50	30	10	50	30	10	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/m<sup>2</sup>)

Vertical Angle	Horizontal Angle		
	0	45	90
55	4539	4794	4491
65	3652	4149	3933
75	2638	3276	2785
85	2457	4889	3089

## Distribution

Hemisphere	88% Up / 12% Down
Peak/Zenith	1.93
Peak Output	1179 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)	4797	4702	4882
Efficacy (lm/W)	116.7	115.0	120.0
Power (W)	41.1	40.9	40.7
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	40.9W	40.6W	40.1W
Input Current	0.34A	0.15A	0.12A
Power Factor	0.990	0.966	0.973
Total Harm. Distortion	7.3%	11.0%	12.0%

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

