

Minimalist scale, unequaled performance that delivers

CHOPSTICK SUSPENDED LED



SEMI-INDIRECT, MESOOPTICS LENS
4800 lm/4ft 3500K

Project: _____

Spec Type: _____

Catalog No: 7505LBCxN _____

Qty _____

Line Notes: _____

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" value="B"/>	<input type="text" value="C"/>	<input type="text"/>	<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	E 3400 lm/4ft C 4800 lm/4ft	S MesoOptics Q Lens MesoOptics Lens	N Lightguide	04 4' 06 6' 08 8' Total run length (2' increments)	1 1 cct 3 1 cct + EM/NL Wiring 5 1 cct + EM Batt. Pack 7 1 cct Dimming B 2 cct A/B E 2 cct A/B Dimming M 1 cct Dimming + EM Wiring N 1 cct Dimming + EM Batt. Pack	1 120V 2 277V 3 347V	E Philips Advance	W Standard White T Titanium Silver B Black C Custom

* Nominal values within a range. Consult photometry data for exact color temp, lumens & distribution.
 † Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.
 ‡ 347 only available in 8ft modules. Driver details on following pages.

Mounting Hardware

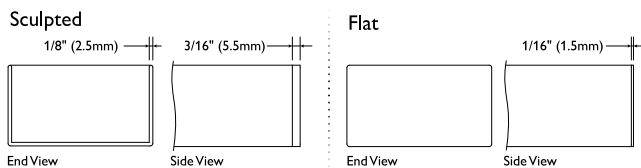
Mount Type
Consult separate mounting spec sheet for mount type options

Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps -

Integrated Controls Please indicate with check mark.

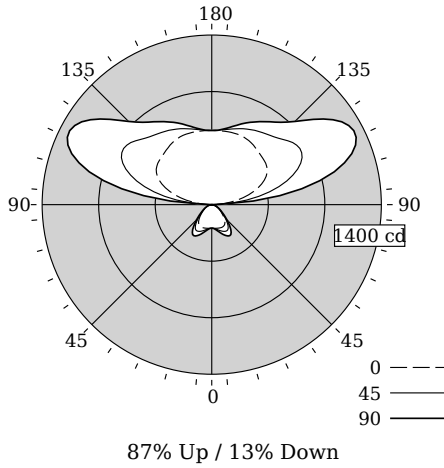
Response Daylight Single Zone (DS)



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Photometry



Total Output	4740 lm
Efficacy	101.7 lm/W
CCT	3402K
CRI	83
Distribution	87% Up / 13% Down
Peak/Zenith Ratio	2.16
Peak Output	1322 cd @ 118°
Meets RP-1-12 recommendations for VDT-Critical spaces	

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

Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	22.5	45	67.5	
0	194	194	194	194	0
5	197	194	197	198	19
15	201	204	217	230	62
25	205	215	244	272	112
35	189	202	237	268	145
45	136	142	158	172	178
55	85	87	94	98	84
65	51	52	55	55	54
75	22	25	25	26	27
85	4	6	7	7	8
90	0	0	0	0	0
95	96	117	180	290	345
105	316	383	574	885	1047
115	479	571	810	1142	1315
125	553	644	856	1099	1222
135	574	636	776	912	971
145	600	636	727	805	835
155	618	637	688	733	750
165	618	625	647	663	669
175	614	611	616	618	616
180	612	612	612	612	612

Coefficients of Utilization (%)

RCR	Ceiling		Wall		70		50		0	
	70	50	30	10	70	50	30	10	70	50
0	98	98	98	98	86	86	86	63	63	63
1	90	86	82	79	78	75	72	55	53	52
2	82	75	69	64	71	66	61	48	45	43
3	75	66	59	54	65	58	52	43	39	36
4	68	58	51	45	59	51	45	38	34	31
5	62	52	44	38	54	45	39	34	29	26
6	57	46	38	33	50	41	34	30	26	23
7	53	41	34	29	46	36	30	27	23	20
8	49	37	30	25	42	33	27	25	20	17
9	45	34	27	22	39	30	24	22	18	15
10	42	31	24	19	37	27	21	20	16	14

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	4367	4790	5001
65	3537	3824	3824
75	2498	2810	2966
85	1391	2318	2781

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) 4740
Watts 46.6
Lumens per Watt (Efficacy) 101

Color Accuracy 83
Color Rendering Index (CRI)

Light Color 3402 (Bright White)
Correlated Color Temperature (CCT)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

Warranty** Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

** See www.lightingfacts.com/products for details.

Registration Number: F46Z-TVH9QK (3/20/2014)
Model Number: 7505LBCxx04
Type: Luminaire - Linear

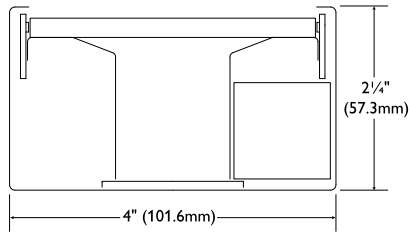
Electrical Specifications

Input Voltage	120V	277V
Input Power	46.6W	46.0W
Input Current	0.39A	0.18A
Power Factor	0.988	0.930
Total Harm. Distortion	13.2%	18.9%
0		

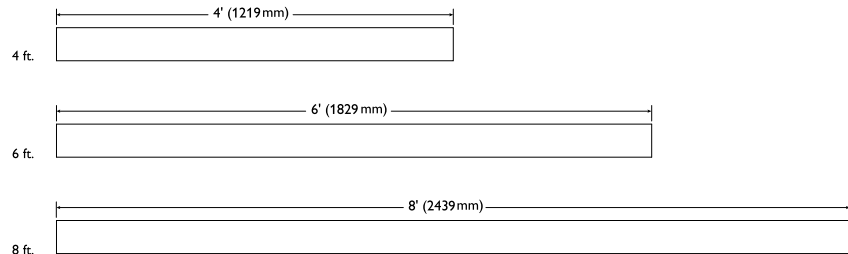
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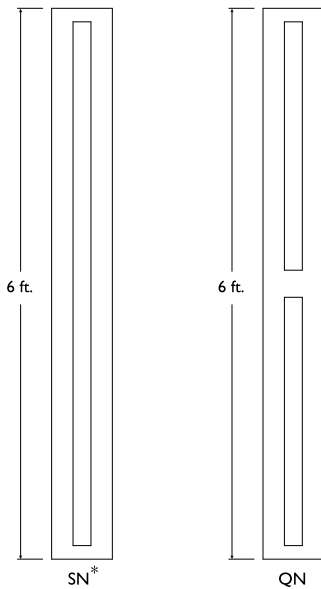
Options and Details



Modules



Optics & Styles



*SN optic is only available in 6ft modules

Housing

Precision formed 20 gauge cold-rolled steel.

Weight

Maximum 3.0lb/ft.

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 nonglare acrylic lens.

Standard Driver

Dimming: 0-10V, 5-100%. Output is Class 2 rated. 347V option uses a step-down transformer (only available in 8ft module).

Lumen Maintenance

At an ambient temperature of 25°C, the LED lumen maintenance expectation is L_{80} (12k) 70,000 hrs.

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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.

Endcaps

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

Electrical

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

Approvals

Certified to UL, CSA and IES standards.

Finish

High quality powder coated, available in matte white, black or titanium silver. 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 are not covered under warranty.

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



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www.philips.com/luminaires

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