



# Linear

## Chopstick wall

1900 lm/4ft  
3000/3500/4000K



Project: \_\_\_\_\_  
 Spec Type: \_\_\_\_\_  
 Catalog No: 7508LxGQN04 \_\_\_\_\_  
 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

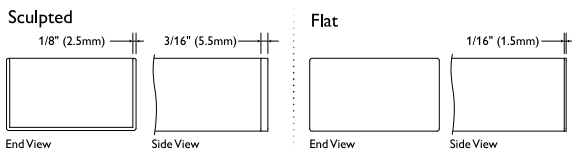
| Product Type              | Source | Color Temp *                  | Lumens *  | Lower Optics                           | Upper Optics | Run Length   | Wiring †   | Voltage                    | Driver                           | Finish   |
|---------------------------|--------|-------------------------------|---|--|--------------|--|--|----------------------------|----------------------------------|--|
| 7508                      | L      |                               | G   | Q                                      | N            |  |  |                            |                                  |  |
| Chopstick Wall Direct/Ind | L LED  | A 4000K<br>B 3500K<br>C 3000K | C 4400 lm/4ft<br>E 2800 lm/4ft<br>G 1900 lm/4ft | Q MesoOptics Lens<br>S MesoOptics Lens | N Lightguide | 04 4'<br>06 6'<br>08 8'<br>XX Total run length (2' increments) | 7 1 cct Dimming<br>E 2 cct A/B Dimming (Alt. 4ft.)<br>M 1 cct Dimming + EM Wiring<br>N 1 cct Dimming + EM Batt. Pack | 1 120V<br>2 277V<br>3 347V | E Philips Advance 0-10V (1% dim) | W Standard White<br>T Titanium Silver<br>B Black<br>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**

### Endcaps -



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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

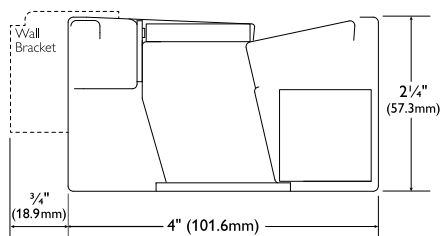
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>

## 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



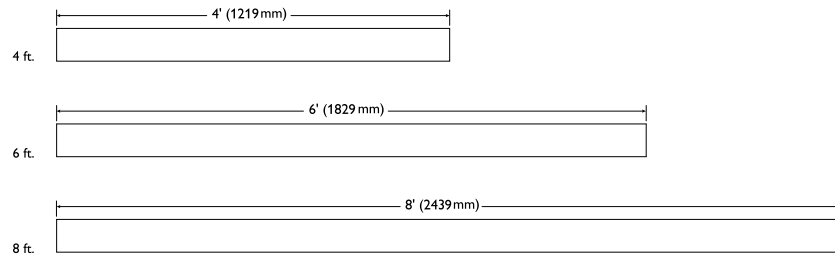
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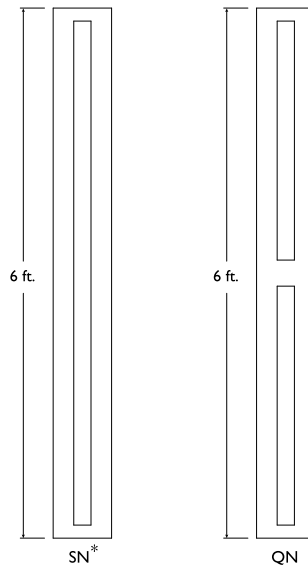
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## Dimensions - Modules

### Modules



## Optics and Styles



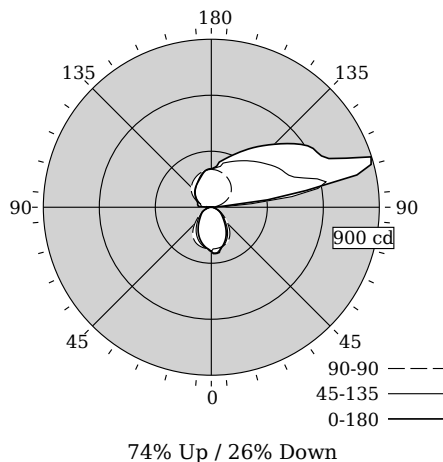
\*SN optic is only available in 6ft modules

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## Photometry @ CRI>80, 3500K



## Candela Distribution

| Vertical Angle | Horizontal Angle |     |     |     | Zonal Lumens |
|----------------|------------------|-----|-----|-----|--------------|
|                | 0                | 45  | 90  | 135 |              |
| 0              | 237              | 237 | 237 | 237 | 0            |
| 5              | 249              | 246 | 223 | 224 | 22           |
| 15             | 220              | 221 | 219 | 206 | 60           |
| 25             | 183              | 193 | 205 | 178 | 86           |
| 35             | 135              | 151 | 174 | 142 | 93           |
| 45             | 93               | 105 | 126 | 103 | 87           |
| 55             | 66               | 71  | 81  | 73  | 66           |
| 65             | 43               | 44  | 48  | 50  | 47           |
| 75             | 19               | 20  | 21  | 26  | 24           |
| 85             | 7                | 8   | 6   | 11  | 9            |
| 90             | 0                | 0   | 0   | 0   | 0            |
| 95             | 62               | 215 | 13  | 51  | 70           |
| 105            | 886              | 588 | 50  | 60  | 75           |
| 115            | 651              | 437 | 92  | 78  | 86           |
| 125            | 587              | 392 | 127 | 101 | 105          |
| 135            | 477              | 345 | 151 | 121 | 125          |
| 145            | 389              | 304 | 170 | 140 | 141          |
| 155            | 317              | 271 | 185 | 162 | 158          |
| 165            | 265              | 245 | 195 | 188 | 183          |
| 175            | 215              | 211 | 202 | 203 | 204          |
| 180            | 205              | 205 | 205 | 205 | 205          |

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 |     |     |     |    |    |    |    | Wall |    |    |    |    |    |    |    |    |
|-----|---------|-----|-----|-----|----|----|----|----|------|----|----|----|----|----|----|----|----|
|     | 70      | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 70   | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 0  |
| 0   | 101     | 101 | 101 | 101 | 91 | 91 | 91 | 70 | 70   | 70 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 1   | 93      | 89  | 85  | 82  | 82 | 79 | 76 | 62 | 59   | 58 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 2   | 84      | 77  | 72  | 67  | 75 | 69 | 65 | 54 | 51   | 48 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 3   | 77      | 68  | 61  | 56  | 69 | 61 | 55 | 48 | 44   | 41 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 4   | 71      | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 38   | 35 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 5   | 65      | 54  | 46  | 40  | 58 | 48 | 42 | 38 | 33   | 30 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 6   | 60      | 48  | 41  | 35  | 53 | 43 | 37 | 34 | 30   | 26 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 7   | 55      | 43  | 36  | 31  | 49 | 39 | 33 | 31 | 26   | 23 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 8   | 51      | 39  | 32  | 27  | 45 | 36 | 29 | 28 | 24   | 20 | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
| 9   | 47      | 36  | 29  | 24  | 42 | 32 | 26 | 26 | 21   | 18 | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
| 10  | 44      | 33  | 26  | 21  | 40 | 30 | 24 | 24 | 19   | 16 | 8  | 8  | 8  | 8  | 8  | 8  | 8  |

## Avg. Luminance (cd/m2)

| Vertical Angle | Horizontal Angle |      |      |
|----------------|------------------|------|------|
|                | 0                | 90   | 180  |
| 55             | 3335             | 4122 | 3329 |
| 65             | 2981             | 3333 | 3234 |
| 75             | 2144             | 2372 | 2633 |
| 85             | 2357             | 2117 | 3430 |

## Distribution

|               |   |
|---------------|---|
| Hemisphere    | 74% Up / 26% Down                                     |
| Peak/Zenith   | 4.37  |
| Peak Output   | 898 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)       | 1870   | 1868   | 1939   |
| Efficacy (lm/W) | 97.4   | 97.8   | 102.1  |
| Power (W)       | 19.2   | 19.1   | 19.0   |
| 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            | 19.1W | 19.1W | 1.8W  |
| Input Current          | 0.16A | 0.07A | 0.01A |
| Power Factor           | 0.990 | 0.964 | 0.963 |
| Total Harm. Distortion | 8.0%  | 13.0% | 12.0% |

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

