All application performance results have been calculated using real luminaire photometric test data and OEM published system specifications for Ledalite factory standard components at the time of publication. Illuminance information as published are average maintained footcandle values based on predictive analyses with calculation grids centered in the respective rooms. Changes to luminaire mounting and/or workplane heights affect uniformity but have no significant impact on energy performance or light levels. Modifications to architectural conditions, luminaire components, and calculation parameters will yield different results. For further information or custom analysis for your project, please contact the Ledalite Applications Engineering Department. All other product or service names are the property of their respective owners. Luminaires may use fluorescent lamps that contain small amounts of mercury. Such lamps are labeled "Contains Mercury" and/or with the symbol "Hg." Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org.

www.philips.com/luminaires

PLe-1302BR 03/14

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

Low profile, High performance

Philips Ledalite Chopstick LED Semi-Indirect Luminaire

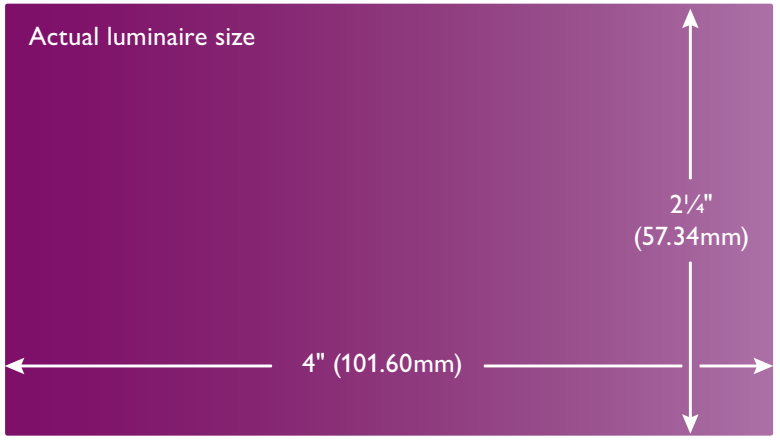
PHILIPS
LEDALITE

Minimalism, a delicate balance of light, form and materials.

Minimalism is a movement in architectural design that strives to strip down spaces to their very basic and essential aspects; such as light, form, materials, area and human interaction. All of this is to achieve simplicity and an overall sense of harmony within the space. Philips Ledalite has designed the Chopstick LED with inconspicuous scale and clean lines for those types of architectural spaces.

Chopstick LED delivers up to 108 lumens per watt and has a wide lateral distribution in the upper hemisphere enabling wider row spacing, reducing the number of fixtures required, which means a significant reduction in lighting related energy consumption and an uncluttered space.

Philips Ledalite Chopstick LED, offering a delicate aesthetic to bring balance to a space.



In the Classroom

A light source for academic success.

Philips Ledalite Chopstick LED Semi-Indirect Luminaire provides excellent general illumination to the room.

Optional sensor integration can provide up to 30-35% energy savings through daylight harvesting in rooms like the one shown here.

	LED 4800 lm*	**2 x 28W T5**
Light Level	40 fc	44 fc
Energy Density	0.62 W/ft.^{2}	0.89 W/ft.^{2}
Ceiling Uniformity	**7.4:1 (max:min)**	12.3:1 (max:min)
Luminaire Efficacy	**102 lm/W**	72 lm/W

Room size: 30'L x 30'W x 9'H with reflectances of 80/50/20
Row Spacing: 15 ft. on centre | Suspension: 7.5 ft AFF
* Nominal Value/4 ft luminaire

In the Boardroom

Providing lighting as an element of design.

Philips Ledalite Chopstick LED Semi-Indirect Luminaire provides the perfect balance between scale, performance and energy efficiency.

Use Chopstick to make a statement or reinforce a corporate identity through custom paint colors. Or go minimalist with black, white or titanium for a polished elegant look.

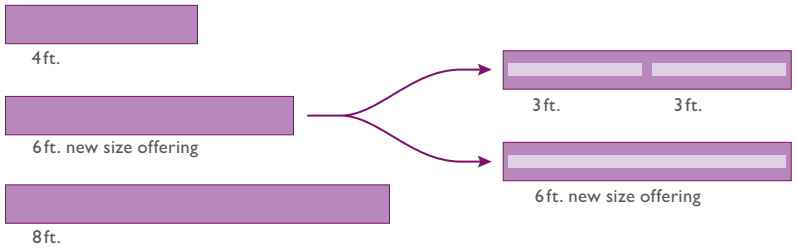
	LED 4800 lm*
Light Level	43 fc
Energy Density	**0.42 W/ft.^{2}**
Luminaire Efficacy	102 lm/W

Room size: 14'L x 24'W x 8.5'H with reflectances of 80/50/20
Row Spacing: 1 row 12ft. | Suspension: 7ft AFF
* Nominal Value/4ft luminaire

In the Office

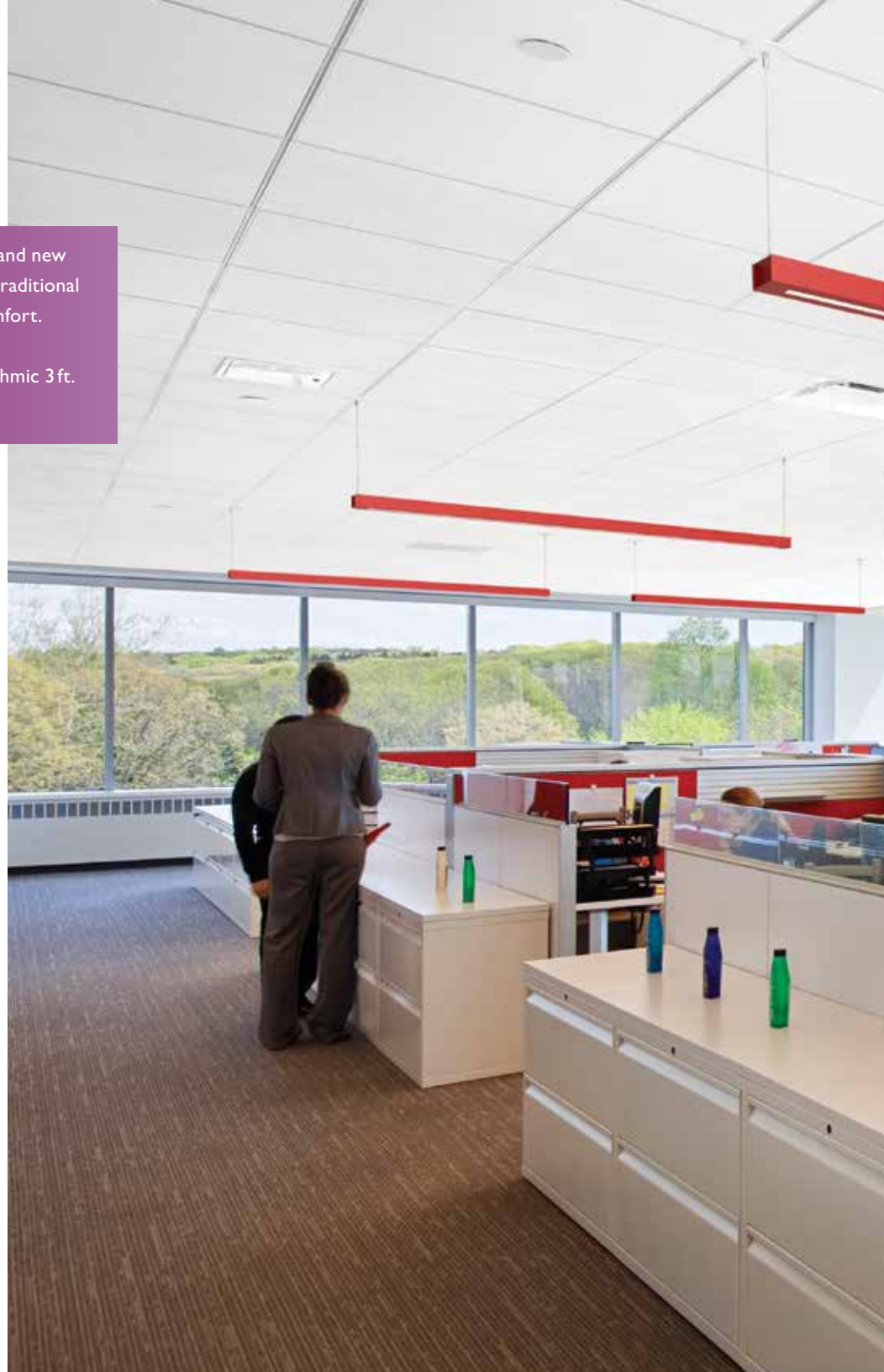
The Chopstick LED Semi-Indirect Luminaire is offered in traditional 4ft., 8ft. and new 6ft. module lengths. The 6ft. modules provide dramatic energy savings over traditional 8ft. length while still maintaining optimum light levels for productivity and comfort.

Chopstick LED is also available with an optional 6ft. window or with two rhythmic 3ft. windows in 6ft. modules.



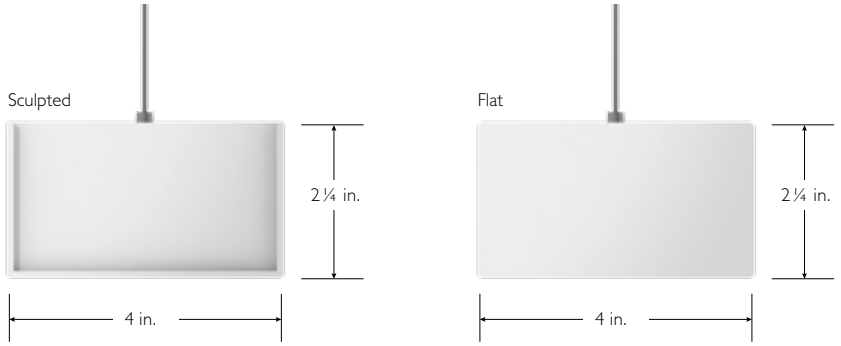
	LED 4800lm*	1x54W T5HO
Light Level	30 fc	33 fc
Energy Density	**0.36 W/ft.^{2}**	0.63 W/ft.^{2}
Ceiling Uniformity	**14.5:1 (max:min)**	17.3:1 (max:min)
Luminaire Efficacy	102 lm/W	66 lm/W

Room size: 48'L x 24'W x 9'H with reflectances of 80/50/20
Row Spacing: 16ft. on centre | Suspension: 7.5ft AFF
(6) individual 6' LED vs (3) rows 16' fluorescent.
* Nominal Value/4ft luminaire

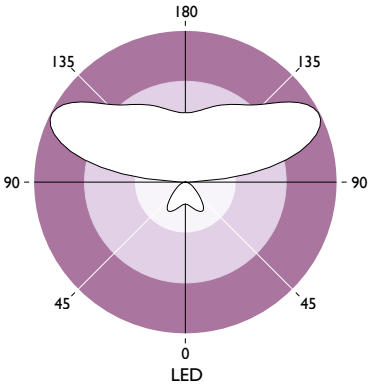


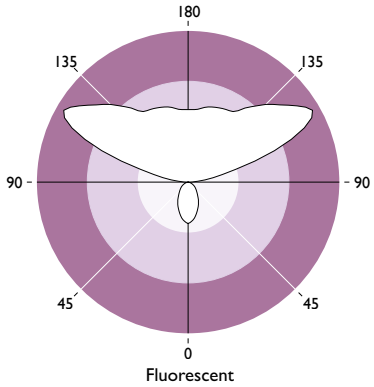
Suspended Mount

The suspended version of Chopstick LED offers a semi-indirect lighting distribution ideal for open environments and smaller private spaces. Chopstick LED Suspended is available in 4', 8' and the latest 6' modules that can be joined together to create longer runs.



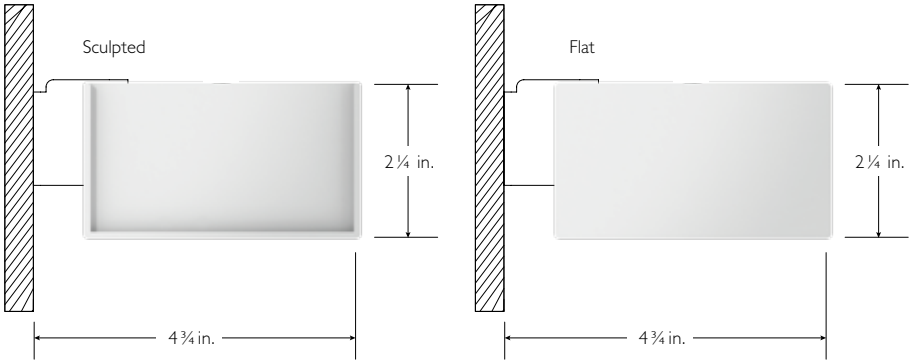
Note: LED & fluorescent luminaire dimensions are the same.



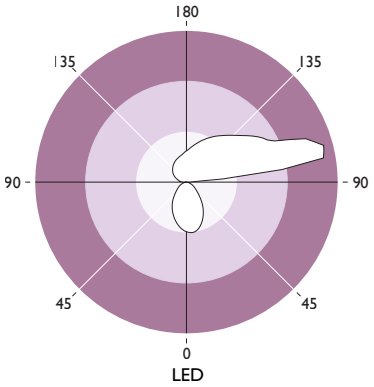


Wall Mount

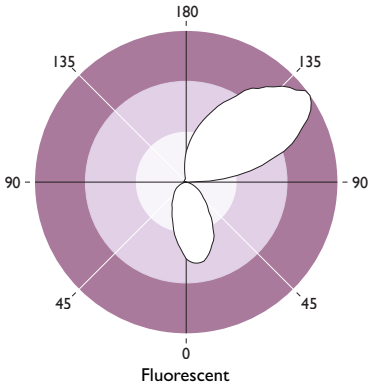
The wall mounted version of Chopstick LED offers true asymmetric distribution with increased amounts of downlight - a perfect choice for corridors and private offices. Chopstick LED wall mount is also available in 4', 8' and the latest 6' modules that can be joined together to create longer runs.



Note: LED & fluorescent luminaire dimensions are the same.



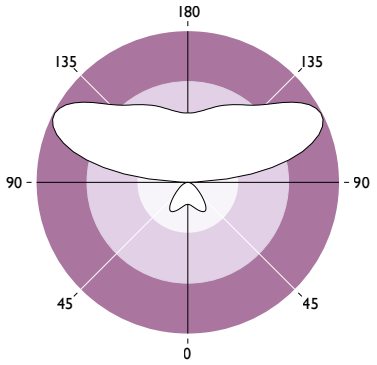
LED



Fluorescent

mesoOptics

Philips Ledalite's revolutionary MesoOptics can be created using holographic or digital laser writing techniques. Using advanced manufacturing processes, patented nano and micro scale structures are applied to recyclable substrates creating highly efficient distributions and a unique lighting control approach.

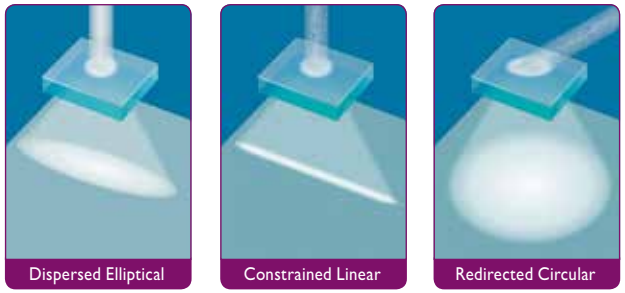


Optimal Distribution

PURIFY

MesoOptics homogenizes color, and removes striations and hot spots from lighting sources, creating smooth gradients of pure, white light free from color shifts.

CONTROL



MesoOptics disperses light uniformly and creates precisely controlled beam patterns to redirect light into optimum angles.

SUSTAIN

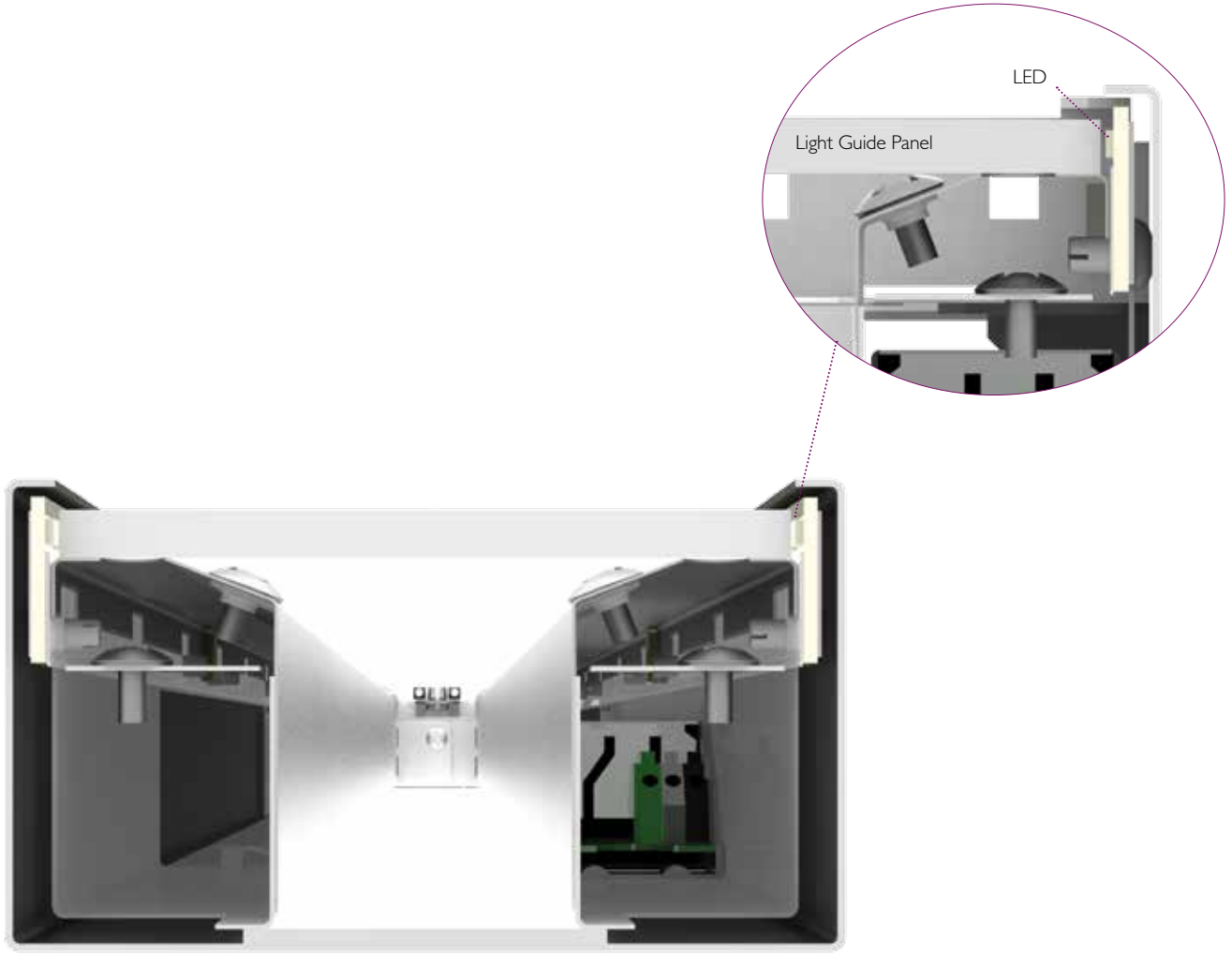
MesoOptics' highly efficient material allows up to 95% of the light to pass through, creating highly energy efficient lighting products.

Advanced Engineering

Chopstick's lean construction is comprised of arrays of LEDs edge-lighting a low profile Light Guide panel.

The Light Guide panel allows light to be coupled and transmitted through total internal reflection. The etched surface of the panel optimizes the light extraction and directs it into a wide indirect distribution. This makes Chopstick a great choice for close-to-ceiling applications.

Light is purified and controlled by MesoOptics film then passes through the non-glare acrylic lens. MesoOptics removes striations, homogenizes color and controls high angle glare. As light emerges from the lens, an ideal batwing distribution is created in the lower hemisphere.



PHILIPS LEDALITE

5 YEAR SYSTEM LIMITED WARRANTY
Fixture + LED + Driver

Chopstick LED comes with a 5 year total system limited warranty, that covers the entire luminaire — including the LED board, driver and all fixture components —with world class support backed by Philips Ledalite.

Optional Sensor Integration

Chopstick is available with Philips Ledalite's Response Daylight sensors. These fully-integrated sensors can provide 30-35% energy savings in window-adjacent locations—helping to reduce operating expenses and comply with new energy codes.

Response Daylight sensors are factory pre-calibrated and ready to use right out of the box. Just plug in the fixture—no power packs, standalone sensors or low-voltage wiring schemes required. The sensors adjust light output gradually with minimal distraction for occupants. A built-in delay prevents disruptions from passing clouds and occasional shadows.

ledalite.com/response

Wireless. Batteryless. Limitless.

Airwave wireless controls represent a quantum leap forward in flexibility and sustainability. Using organic sources of renewable kinetic and solar energy, Airwave delivers wireless individual personal control, daylight harvesting, occupancy sensing, and full range dimming for spaces where the ability to control energy and lighting are essential. The simple flick of a batteryless, wireless switch creates enough kinetic energy for simple ON/OFF control or dimming. Solar powered Airwave sensors monitor ambient daylight levels or occupancy and wirelessly signal luminaires to adjust output and save energy.

ledalite.com/airwave

Solar powered photosensor

Occupancy sensor

Intelligent transceiver

Kinetic energy switch

Kinetic handheld remote

Ordering Guide

Type	Light Source			Housing		Electrical			Finish	Options
Family	Source	Color Temp	Lumen Package	Optics	Run Length	Wiring	Voltage	Ballast / Driver	Module Finish	Controls
Suspended mount **7505** Chopstick Suspended Semi-indirect **Wall mount** **7508** Chopstick Wall Mount Direct/Indirect	**L** LED	**A** 4000K **B** 3500K **C** 3000K	**Suspended mount** **C** 4800lm / 4ft.[1] **E** 3400lm / 4ft.[1] **Wall mount** **E** 2800lm / 4ft.[1] **G** 1900lm / 4ft.[1]	**QN** 3 or 4ft. Window with MesoOptics **SN**[2] 6ft. Window with MesoOptics	**04** 4ft. **06** 6ft. **08** 8ft. **XX** Total run length in 2ft. increments	**1** 1 cct **B** 2 cct A/B switching **3** 1 cct w/emergency **7** 1 cct w/dimming **8** 1 cct w/1 thru wire	**1** 120V **2** 277V	**E** Standard	**W** White **T** Titanium **B** Black **X** Custom	**DS** Response Daylight Sensor

[1] Nominal output within a range. Consult spec sheets for exact lumen output for each configuration.
[2] Only available in 6ft module
Some options may not be available for each configuration. Consult for full list of available options.