

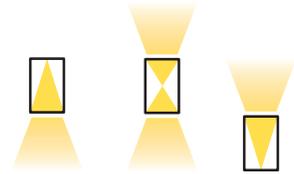
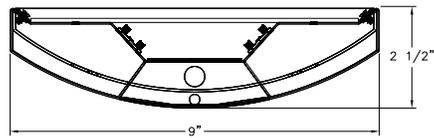
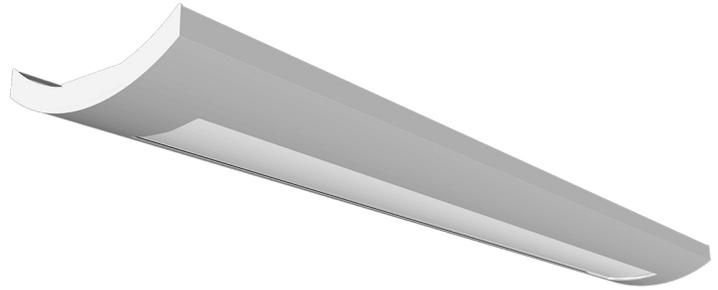


# Stylite Series | STYSL

Date		Notes
Project		
Type	Qty	

## Features

- Die-formed steel housing w/welded end-plates.
- LED optimized optics for smooth, efficient illumination.
- Individual fixtures, continuous rows or custom patterns.
- Programmable driver for custom lumen packages.
- 0-10V dimming to 1% standard. Dim-to-off available.
- DMX, Lutron and DALI protocols also available.
- Sensor Ready for wireless Smart Lighting Solutions.
- 80/90CRI, Tunable White, RGBW & RGBWW.
- Bios SkyBlue™ circadian solutions available.
- Declare Red List Approved.**



## Ordering Guide



MODEL	OPTICS	CCT <sup>1</sup>	LUMENS <sup>2</sup>	SIZE	MOUNTING <sup>3</sup>	FINISH	OPTIONS
<b>STYSL-XX</b>	<b>WOA</b>						
STYSL Direct/Indirect	WOA = White Opal Acrylic	<b>STATIC WHITE</b> 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	LO = 370/ft Direct 1110/ft Indirect (11W/ft, 135LPW)	4 = 4 ft 6 = 6 ft 8 = 8 ft	ACY = Aircraft Y-Cable	W = White	<b>DIMMING DRIVERS</b> DIM10 = 0-10V (1%) <b>Standard</b> DTO = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming DIMSR = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX
Select distribution below	w/clear acrylic dust covers on indirect if applicable.	<b>BIOS SkyBlue</b> Spectrally optimized circadian solutions.	SO = 470/ft Direct 1500/ft Indirect (14W/ft, 133LPW)	For other enter row length (e.g. 48 = 48 ft)	PD = Pendant Stem	CC = Custom Color	<b>LUTRON™ DIMMING DRIVERS</b> LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire
1DI = 2R-STD		<b>TUNABLE WHITE</b> (2700K-6500K)	HO = 470/ft Direct 1500/ft Indirect (18W/ft, 129LPW)			AMW = Anti-Microbial White	<b>SENSORS &amp; CONTROLS<sup>4</sup></b> AVO = Avi-On Sensor AWNS = Lutron Athena Sensor ESN = EasySense Sensor CAS = Casambi Wireless Control
2DI = 2R-1U1D		<b>DIM-TO-WARM</b> (2700K-6500K) DTW = Dim-to-Warm	Above for 1DI distribution <b>ONLY</b> . See page 3 for all distributions and lumen packages.				<b>EMERGENCY<sup>5</sup></b> EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery EPC6 = 6.5W Emergency Battery EPC10 = 10W Emergency Battery EPC12 = 12W Emergency Battery
3I = 1R-1U		<b>RGB &amp; WHITE</b> RGB = RGB RGBW = RGBW RGBWW = RGBWW (2700K-6500K)	<b>CUSTOM</b> Specify < HO.				<b>WIRING &amp; OTHER</b> TCW = Two Circuit Wiring FWH = Flexible Wiring Harness DWH = DMX Wiring Harness
4DI = 3R-2U1D							
5I = 2R-2U							
6D = 2R-2D							
7DIS = 1R-1D							
See page 4 for details of all distribution options.							

<sup>1</sup>All LED, BIOS, Tunable White, DTW, and RGB/W options and Ordering Codes page 2.

<sup>2</sup>Lumens at 80CRI, 4000K, WOA lens. Photometry page 4. Custom lumens may be specified below HO.

<sup>3</sup>See page 5 for all mounting options.

<sup>4</sup>All Sensor & Control options page 2.

<sup>5</sup>EPC6 is standard unless otherwise specified. EPC not for DMX drivers.

**BAA** letter of compliance available at [www.dayolite.com](http://www.dayolite.com).

## LED, BIOS, Sensor & Control Ordering Codes

### LED

#### Static White

30 = 3000K 80 CRI  
 35 = 3500K 80 CRI  
 40 = 4000K 80 CRI  
 50 = 5000K 80 CRI

927 = 2700K 90 CRI  
 930 = 3000K 90 CRI  
 935 = 3500K 90 CRI  
 940 = 4000K 90 CRI

#### Tunable White<sup>1</sup> (2700K-6500K)

2DIM10 = 0-10V 80 CRI  
 2DMX = DMX 80 CRI  
 2CAS = Casambi Wireless 80 CRI  
 2ESN = Philips EasySense 80 CRI  
 2LUT = Lutron (LD2) 80 CRI

92DIM10 = 0-10V 90 CRI  
 92DMX = DMX 90 CRI  
 92CAS = Casambi Wireless 90 CRI  
 92ESN = Philips EasySense 90 CRI  
 92LUT = Lutron (LD2) 90 CRI

#### Dim-to-Warm<sup>2</sup>

DTW = 6500K-2700K 80 CRI  
 9DTW = 6500K-2700K 90 CRI

#### RGB/W<sup>3</sup>

RGB = RGB only  
 RGB27 = RGB w/2700K  
 RGB30 = RGB w/3000K  
 RGB35 = RGB W/3500K  
 RGB40 = RGB w/4000K  
 RGB50 = RGB w/5000K  
 RGBWW = RGB w/2700K-6500K

#### Single Color

RED = Red  
 BLU = Blue  
 GRN = Green  
 AMB = Amber

### BIOS SkyBlue



BIOS SkyBlue biological technology brings the benefits of blue skies inside. BIOS SkyBlue is the only spectrally optimized circadian solution to target the region that drives wellness benefits including: increased alertness, enhanced productivity, better mood, and better sleep. More information may be found at [www.bioslighting.com](http://www.bioslighting.com) or by contacting Day-O-Lite directly. All options for 0-10V control.

#### BIOS Biological Static

For daytime applications. BIOS Static Biological LED features key BIOS SkyBlue (490nm) for maximum daytime circadian impact.

B30 = 3000K  
 B35 = 3500K  
 B40 = 4000K

#### BIOS Biological Dynamic White

Designed to transition from daytime to evening in a dim-to-warm protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30D = 3000K-2700K  
 B35D = 3500K-3000K  
 B40D = 4000K-3500K

#### BIOS Biological Tunable White

Designed to transition from daytime to evening in a tunable white protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30T = 3000K-2700K  
 B35T = 3500K-2700K  
 B40T = 4000K-2700K

### Sensors & Controls

#### Sensors

AVO = Avi-On Occ/Day  
 AVM = Avi-On Occ (Microwave)  
 BNV = BubblyNet Occ/Day  
 ENC = Encelium Occ/Day  
 ENL = EnLighted Occ/Day/Temp  
 LEG = Legrand Occ/Day  
 ANW = Lutron Athena Occ/Day  
 VIVE = Lutron Vive Occ/Day  
 NLT = Acuity nLight Occ/Day  
 NXC = Current NX Occ/Day  
 ESN = Philips EasySense Occ/Day  
 WWL = Cooper WaveLinX Occ/Day

#### Wireless Control

CAS = Casambi

Sensors and control options to be commissioned wirelessly in the field by qualified controls personnel with applicable apps (by others).

#### Other Options

Other sensor and wireless control options are available. Contact factory for details.

<sup>1</sup>Tunable white may be controlled by a number of dimming protocols as shown.

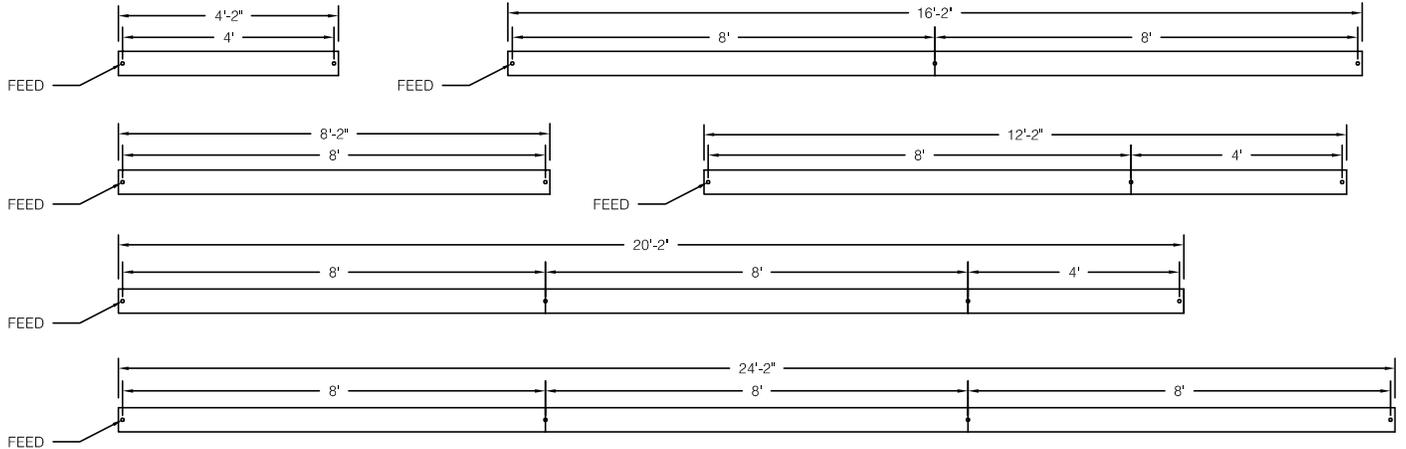
<sup>2</sup>Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K to 2700K as light levels are dimmed.

<sup>3</sup>All RGB, RGBW and RGBWW options for DMX control (by others). 80 CRI standard.

### Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	SUSP. 1 O.C.	SUSP. 2 O.C.	SUSP. 3 O.C.
4'	4' 2"	4'		
8'	8' 2"	8'		
12'	12' 2"	8'	4'	
16'	16' 2"	8'	8'	
20'	20' 2"	8'	8'	4'
24'	24' 2"	8'	8'	8'

Power feed and suspension locations shown below. Continuous rows longer than 8' including EPC/EMC and sensor locations must be approved prior to manufacturing.



### Emergency & Sensor Locations

EPC will control entire length of individual fixtures. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled individual fixtures will deliver lumens per foot as originally specified, unless dimmed at time of power loss. Consult factory for EMC dimming override device.



For individual fixtures to 8' EPC/EMC will power entire fixture.



For continuous rows longer than 8' one EPC/EMC will be located in the feed section (end-left) of the row as shown below.



If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.



Custom placement of one or more EPC/EMC's must be clearly identified during ordering.

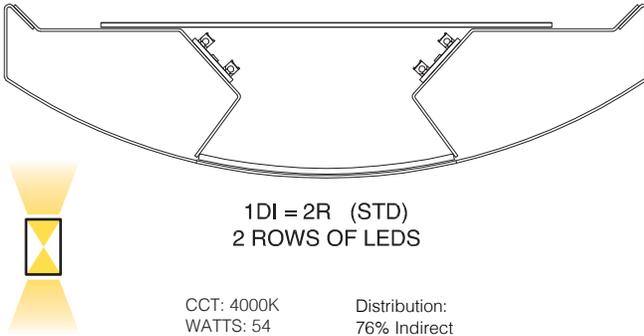


SENSORS (Integral) for individual fixtures will control entire length of fixture and will be located on feed end of fixture.



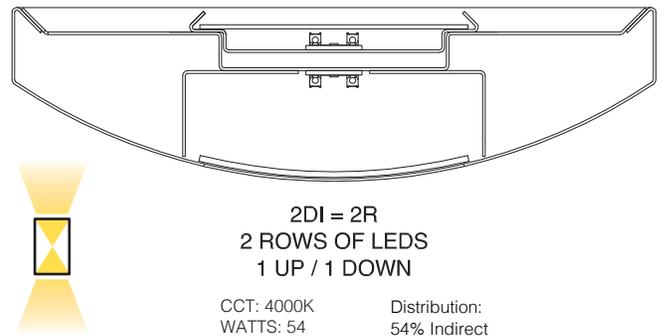
SENSORS for rows by default will control the feed section (end-left) of the row. Sensors can control more than an 8' section within a row. Consult factory for sensor/section options, or for multiple sensors in a continuous row.

### Distribution Options



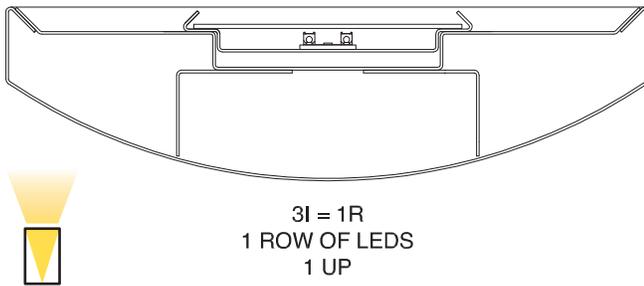
**1DI = 2R (STD)**  
**2 ROWS OF LEDS**

CCT: 4000K      Distribution:  
WATTS: 54        76% Indirect  
LUMENS: 7225    24% Direct  
LPW: 133



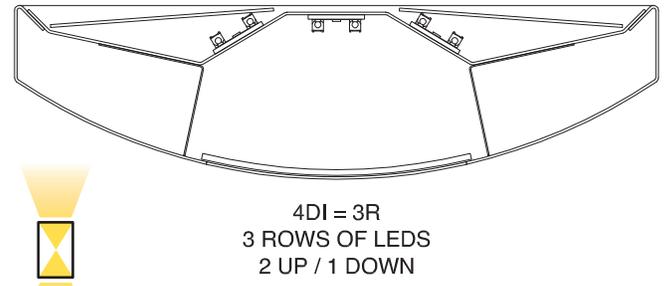
**2DI = 2R**  
**2 ROWS OF LEDS**  
**1 UP / 1 DOWN**

CCT: 4000K      Distribution:  
WATTS: 54        54% Indirect  
LUMENS: 6860    46% Direct  
LPW: 127



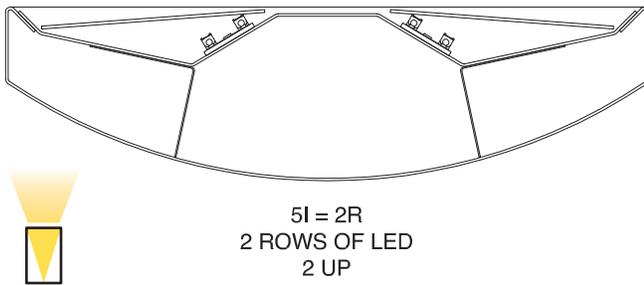
**3I = 1R**  
**1 ROW OF LEDS**  
**1 UP**

CCT: 4000K      Distribution:  
WATTS: 27        100% Indirect  
LUMENS: 3689    0% Direct  
LPW: 137



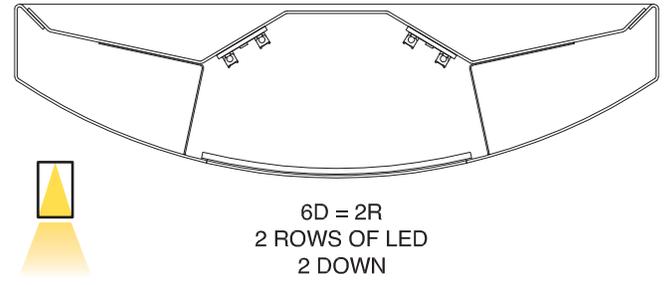
**4DI = 3R**  
**3 ROWS OF LEDS**  
**2 UP / 1 DOWN**

CCT: 4000K      Distribution:  
WATTS: 81        72% Indirect  
LUMENS: 10,532   28% Direct  
LPW: 130



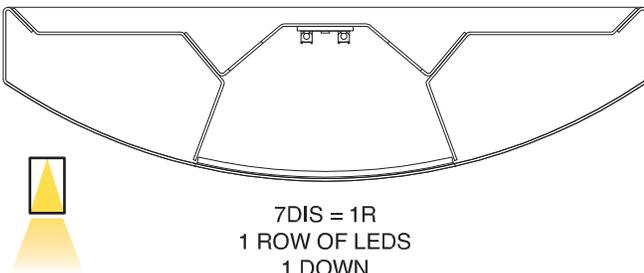
**5I = 2R**  
**2 ROWS OF LED**  
**2 UP**

CCT: 4000K      Distribution:  
WATTS: 54        100% Indirect  
LUMENS: 7568    0% Direct  
LPW: 140



**6D = 2R**  
**2 ROWS OF LED**  
**2 DOWN**

CCT: 4000K      Distribution:  
WATTS: 54        0% Indirect  
LUMENS: 5612    100% Direct  
LPW: 104



**7DIS = 1R**  
**1 ROW OF LEDS**  
**1 DOWN**

CCT: 4000K      Distribution:  
WATTS: 27        21% Indirect  
LUMENS: 3362    79% Direct  
LPW: 125

#### NOTES

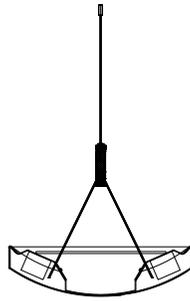
- 1) Performance shown at 4000K CCT for 4' fixture.
- 2) Standard Output (SO) shown above.
- 3) See STYSL @ [www.dayolite.com](http://www.dayolite.com) for all IES files.

Use the following multipliers for other CCTs: 2700K x 0.94, 3000K x 0.96, 3500K x 0.98, 5000K x 1.02. IES files @ [www.dayolite.com](http://www.dayolite.com)

## Standard Suspensions

Standard suspension options include adjustable self-locking aircraft cables (AC) and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 60" 18 gauge power and 22 gauge dimming control SJT feed.

PD assemblies are 5/8" dia. (or 3/8" IP) hollow stem for power feed by others, 24" is standard. Consult factory for longer suspension lengths and other mounting options.



**ACY** = Aircraft Cable



**PD** = Pendant Stem

## Specifications

**HOUSING:** One-piece, die-formed, 20-gauge, cold rolled steel welded construction forming a 2 1/4" x 9" curved profile. Finished end caps are laser cut cold rolled steel.

**REFLECTOR:** Highly reflective, die-formed steel finished in baked white enamel is standard. Consult factory for high efficiency options.

**OPTICS:** White opal acrylic overlay direct, clear acrylic dust covers indirect.

**LED:** Static white LED modules in 27/30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum  $L_{70}$  = 50,000 hours. 3 SDCM color consistency. BIOS SkyBlue, RGB, RGBW and Tunable White and options available.

**DRIVER:** Standard driver is Class 2 AOC 0-10V to 1%, 120/277V input, PF > 90%, THD < 20 @ 120V. Additional dimming protocols available. All drivers prewired from factory for connection to control system (by others). Field replaceable.

**MOUNTING:** Standard options include adjustable self-locking aircraft cables (AC), and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 18 gauge power and 22 gauge dimming control SJT feed.

**FINISH:** Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process. Canopies and pendant stems are white enamel unless otherwise specified.

**CERTIFICATION:** cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Suitable for dry & damp locations. Union Made in the United States of America, I.B.E.W, BAA compliant, Declare Red List Approved.

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