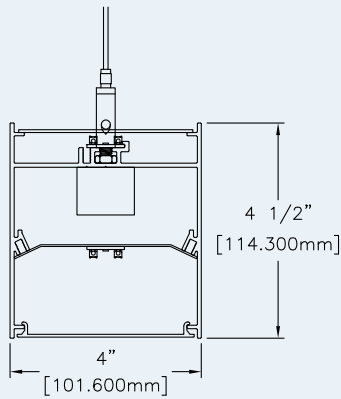




Date	Notes
Project	
Type	Qty



Indirect clear acrylic (CA) lens w/Direct flush lens (FL) shown. See page 4 for other lens details.



Features

- Extruded aluminum housing w/welded end-plates.
- LED optimized optics in multiple configurations up and down.
- Direct/Indirect performance as a single circuit or individual up/down control with two circuits.
- High efficiency programmable driver for custom lumen packages. 0-10V dimming to 1%.
- High efficacy LEDs in 80 or 90CRI; two or three channel tunable white; five channel tunable color.

Ordering Guide

MODEL	OPTICS	CCT	LUMENS ²	LENGTH ³	MOUNTING ⁴	FINISH	OPTIONS
PRFL-44-DI							
PRFL-44-DI Direct/Indirect	<p>DIRECT LENS</p> <p>FL = Flush Opal Acrylic (snap-in)</p> <p>DL = Drop Opal Acrylic (snap-in)</p> <p>SI = Satin Ice Acrylic (lay-in)</p> <p>INDIRECT LENS</p> <p>CA = Clear Acrylic (Standard)</p> <p>FL = Flush Opal Acrylic (snap-in)</p> <p>SI = Satin Ice Acrylic (lay-in)</p> <p>AS = Asymmetric (lay-in)</p> <p>CM = Collimating (lay-in)</p> <p>BW = Batwing (lay-in)</p>	<p>27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI</p> <p>90 CRI add *9* Ex: 940 = 4000K @ 90 CRI</p> <p>TUNABLE WHITE & COLOR¹</p> <p><u>2-Channel White</u> 2DIM10 = for 0-10V 2DALI = for DALI 2DMX = for DMX 2PSQ = for Lutron 2SNS = for Signify 2CAS = for Casambi</p> <p><u>3-Channel White</u> 3DML = for DLM</p> <p><u>3-Channel Color</u> RGB</p> <p><u>4-Channel Color/White</u> RGBW</p> <p><u>5-Channel Color/Warm White/Cool White</u> RGBWW</p>	<p>STD LUMENS</p> <p>LO = 780/ft Indirect 600/ft Direct (11W/ft, 132LPW)</p> <p>SO = 1050/ft Indirect 800/ft Direct (14W/ft, 132LPW)</p> <p>HO = 1250/ft Indirect 1000/ft Direct (18W/ft, 125LPW)</p> <p>DLC LUMENS</p> <p>30D 30K 885/ft Indirect 615/ft Direct (14W/ft, 107LPW)</p> <p>35D = 35K 905/ft Indirect 625/ft Direct (14W/ft, 109LPW)</p> <p>40D = 40K 920/ft Indirect 640/ft Direct (14W/ft, 111LPW)</p> <p>All values nominal.</p>	<p>2 = 2 ft 3 = 3 ft 4 = 4 ft 5 = 5 ft 6 = 6 ft 7 = 7 ft 8 = 8 ft</p> <p>For other enter row length (e.g. 48 = 48 ft)</p>	<p>AC = Aircraft Cable (standard)</p> <p>PD = Pendant Stem (standard)</p>	<p>W = White</p> <p>CC = Custom Color</p> <p>AMW = Anti-Microbial White</p>	<p>DIMMING DRIVERS</p> <p>DIM10 = 0-10V (1%) - Standard</p> <p>DIMSR = 0-10V (5.0%) Sensor Ready</p> <p>DIMST = Step Dimming (40%/100%)</p> <p>DALI = DALI (5.0%)</p> <p>LUTRON™ DIMMING DRIVERS</p> <p>LDE1 = Hi-Lume™ 1% EcoSystem™</p> <p>LDE5 = 5-Series 5% EcoSystem™</p> <p>L3DA3W = Hi-Lume™ 1% 3-Wire</p> <p>LTEA2W = Hi-Lume 1% 2-Wire 120V</p> <p>SENSORS & CONTROLS</p> <p>ESN = Philips™ EasySense</p> <p>DAY = Daylight Harvesting</p> <p>OCC = Occupancy Sensor</p> <p>CAS = Casambi Bluetooth control</p> <p>VDO = Vive Sensor by Lutron</p> <p>EMERGENCY</p> <p>EMC = Emergency Circuit</p> <p>GTD = Generator Transfer Device</p> <p>EPC4 = 4W Emergency Battery Pack</p> <p>EPC7 = 7W Emergency Battery Pack</p> <p>EPC10 = 10W Emergency Battery Pack</p> <p>EPC12 = 12W Emergency Battery Pack</p> <p>OTHER</p> <p>TCW = Two Circuit Wiring</p>

¹Tunable white, tunable color options detailed on page 5.

²Delivered Lumens are Standard Output (SO) and Low Output (LO) at 80+CRI 4000K CCT. Use the following multiplier to estimate delivered lumens at other CCTs: 2700K = 0.94, 3000K = 0.96, 3500K = 0.98, 5000K = 1.02. All values nominal. See page 4 for photometry for lens options.

³See page 2 for actual fixture lengths and suspension locations.

⁴See page 4 for suspension details.

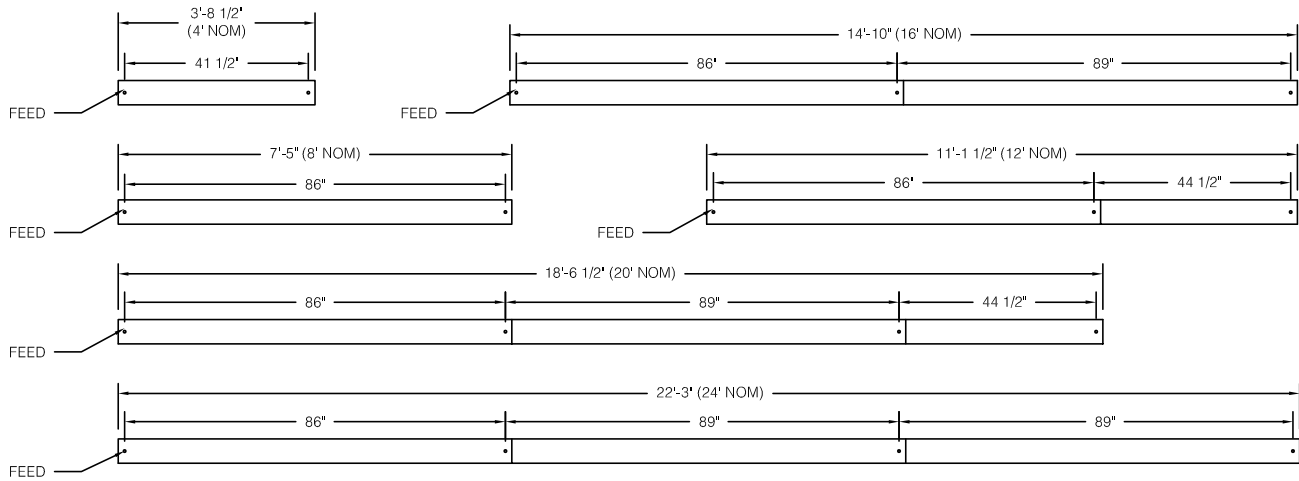


Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	SUSP. 1 O.C.	SUSP. 2 O.C.	SUSP. 3 O.C.
4'	3' 8-1/2"	41 1/2"		
8'	7' 5"	86		
12'	11' 1-1/2"	86	44 1/2"	
16'	14' 10"	86	89	
20'	18' 6-1/2"	86	89	44 1/2"
24'	22' 3"	86	89	89

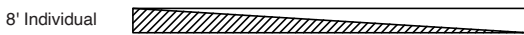
Individual fixtures and rows are continuously illuminated and joined with included aligner brackets and hardware. Power feed locations and mounting locations are shown below.

Continuous rows longer than 8' and patterns, including EPC/EMC and sensor locations must be approved prior to manufacturing. See below for specifying patterns.

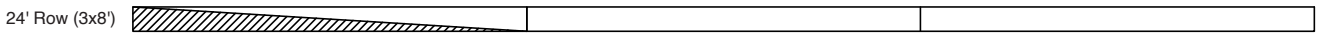


Emergency & Sensor Locations

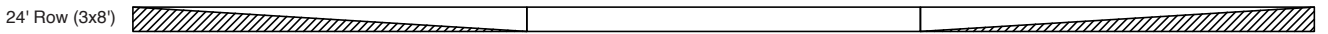
EPC will control entire length of individual fixtures. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled individual fixtures will deliver lumens per foot as originally 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.



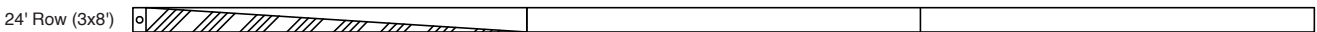
If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.



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.

Pattern Guide

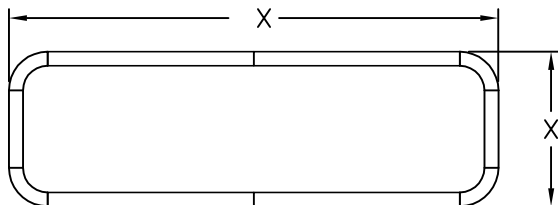
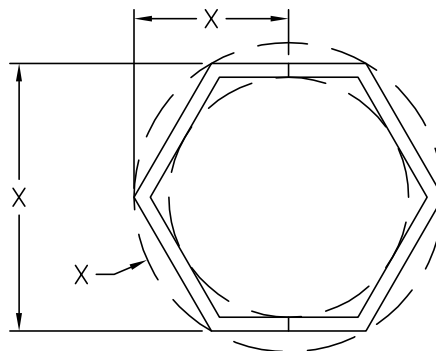
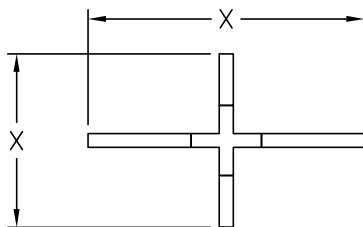
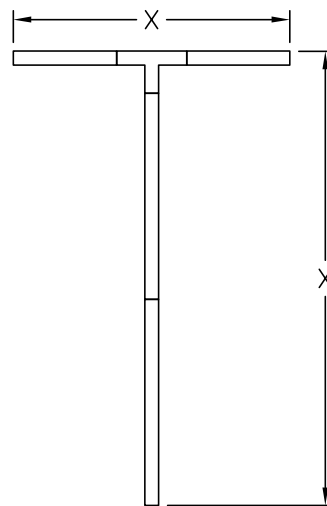
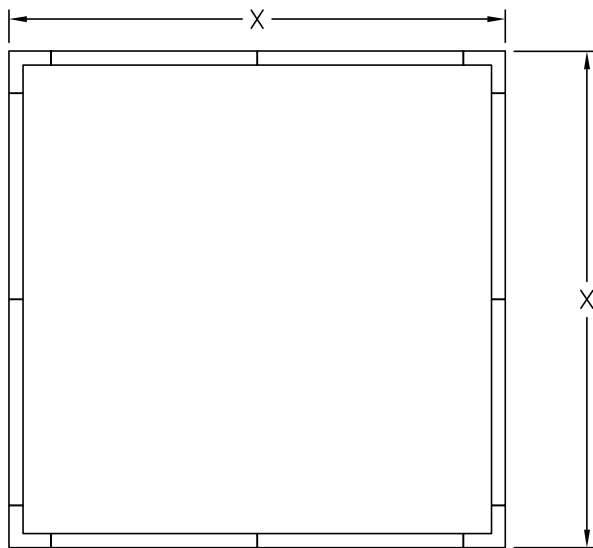
Profile may be specified in patterns of virtually any configuration. All patterns and corners are continuously illuminated and joined with included aligner brackets and joining hardware. See examples below for suggestions with actual and nominal dimensions. Day-O-Lite's custom manufacturing capabilities allow the specification of custom angled connectors to make non-square patterns possible. (See ILX example below).

All corners and connectors are fully welded to ensure correct dimensions and "square" joinery when assembled.

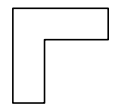
How to Specify

1. Submit your pattern to Day-O-Lite in dimensioned CAD file or submit a fully dimensioned PDF file.
2. If EPC/EMC or Sensors are to be included their location needs to be clearly noted.
3. Day-O-Lite will design your pattern to as close as is nominally possible given standard LED module lengths, including connectors.
4. Day-O-Lite will supply a detailed drawing for approval with final dimensions. All patterns must be approved prior to manufacture.

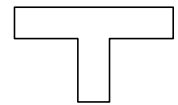
Pattern Examples



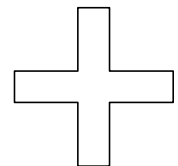
Illuminated Connectors



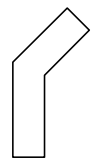
ILC2 = 90° Corner



ILC3 = 90° Tee



ILC4 = 90° Cross



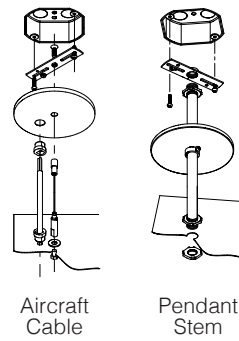
ILCX = X° Custom



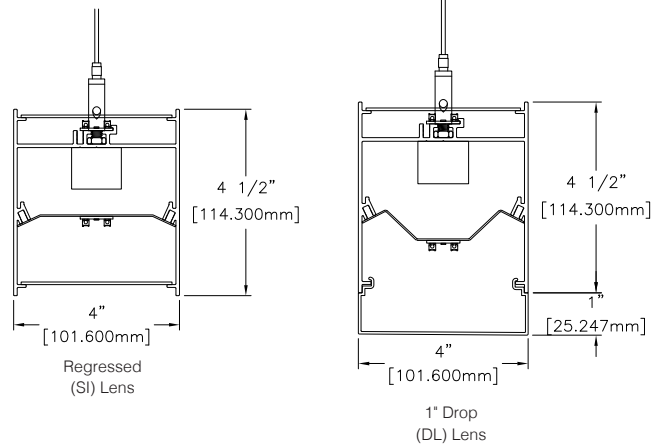
ILCR = Custom Radius
12" Min.

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.

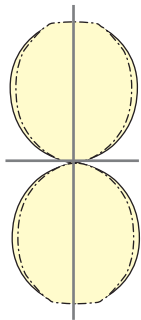


Additional Lens Details



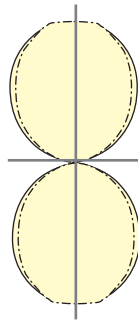
Photometry

PRFL-44-DI-SI-40-SO-4
Satin Ice Lens (SI)



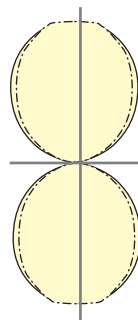
4000K CCT
WATTS: 64
LUMENS: 7340
LPW = 115
Distribution:
43% Direct: 57% Indirect

PRFL-44-DI-FL-40-SO-4
Flush Lens (FL)



4000K CCT
WATTS: 64
LUMENS: 7160
LPW: 112
Distribution:
43% Direct, 57% Indirect

PRFL-44-DI-DL-40-SO-4
Drop Lens (DL)



4000K CCT
WATTS: 64
LUMENS: 7472
LPW: 117
Distribution:
43% Direct, 57% Indirect

Specifications

CONSTRUCTION Extruded aluminum housing. 20 gauge cold rolled steel internal components.

REFLECTOR Die-formed steel finished in highly reflective baked white enamel with pre-finished reflective LED tray.

OPTICS LED optimized direct Satin Ice (SI) lay-in, opal acrylic flush (FL) and opal acrylic drop (DL) lenses available. Diffuse Polycarbonate (DP) lay-in lens available for matching ARCL-44-DI series. Indirect (CA) clear acrylic, (AS) Asymmetric, (CM) Collimating and (BW) Bat Wing available.

LED LED modules in 30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum L_{70} = 50,000 hours. 3 SDCM color consistency.

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 Housing and components finished in baked white enamel. Canopies and pendant stems are white enamel unless otherwise specified.

CERTIFICATION Luminaires are 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. RoHS compliant.

Day-O-Lite, a division of SCW Corporation. All rights reserved. The Day-O-Lite logo is a registered trademark of SCW Corporation. Day-O-Lite reserves the right to change specifications without notice for product improvement.

Day-O-Lite offers a variety of tunable white and tunable color options for a range of human centric applications and budgets. It is recommended that a recognized authority on the benefits and best practices of tunable white be consulted prior to specification. As a rule, fewer channels will provide a basic level of performance for budget conscious applications. Conversely, an increased number of channels, a wider CCT range, higher CRI and more precise color consistency may be more appropriate depending on the application and desired results.

HOW TO SPECIFY

Select from the various channel/control options below and insert desired **Ordering Code** into the **COLOR TEMP** column of the Ordering Guide on page 1. No need to add a dimming option as the codes include the chosen protocol.

2-CHANNEL TUNABLE WHITE OPTIONS

- 2700K - 6500K CCT range
- 1000L/ft LED modules @ 4000K
- 80+ CRI w/3SDCM color accuracy
- 10W/ft. nominal power

Ordering Codes

- 2DIM10** for 0-10V control
- 2DALI** for DALI control
- 2DMX** for DMX control
- 2PSQ** for Lutron Quantum control
- 2SNS** for control via Signify SNS sensors
- 2CAS** for control via Casambi BLE wireless devices

LEGRAND BLANCO MULTI-CHANNEL OPTIONS

Blanco-2

Blanco-2 mixes two channels of white LEDs to approximate the blackbody curve for tunable white applications. CCT and intensity may be adjusted with controls by others.

- 3000K-5000K CCT range
- 1000L/ft LED modules @ 4000K
- 90+ CRI w/2SDCM color accuracy
- 10W/ft. nominal power

Ordering Codes

- B2DLM** for DLM control

Blanco-3

Blanco-3 mixes three channels of white LEDs across a wider range of color temperatures for more demanding tunable white applications. CCT and intensity may be adjusted with controls by others.

- 2700K-6500K CCT range
- 1000L/ft. LED modules @ 4000K
- 90+ CRI w/SDCM color accuracy
- 10W/ft. nominal power

Ordering Codes

- B3DLM** for DLM control

RGB & RGBW TUNABLE COLOR

- RGB = Red, Green, Blue color mixing LEDs
- RGB/W = Red, Green, Blue + White of chosen CCT
- Dimming from 100% to 1%.
- 90+ CRI w/3SDCM color accuracy
- 10W/ft. nominal power

Notes:

RGB requires an RGB DMX or DALI controller (by others)

RGBW requires an RGBW DMX or DALI controller (by others)

All channels on one driver is standard, if isolating the White from the RGB channels is desired please consult factory.

RGB and RGBW are not recommended for tunable white applications.

Ordering Codes

- RGB** for DMX control
 - RGB27** for DMX control w/2700K white
 - RGB30** for DMX control w/3000K white
 - RGB35** for DMX control w/3500K white
 - RGB40** for DMX control w/4000K white
 - RGB50** for DMX control w/5000K white
 - RGB65** for DMX control w/6500K white
- Add Suffix **DAL** for DALI Control to codes above.

5-CHANNEL TUNABLE WHITE AND COLOR

- RGBWW = Red, Green, Blue, Warm White, Cool White.
- Consult factory for RGBWW tunable white/color options.

Day-O-Lite makes no claims as to the psychological or physiological efficacy of the white color tuning options offered herein.