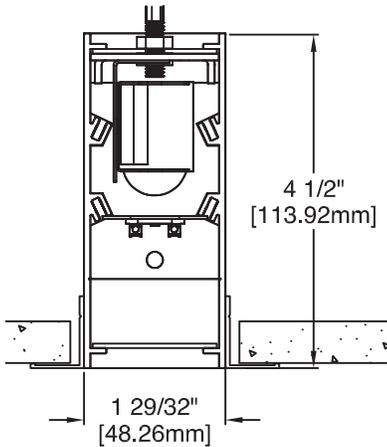


| | | |
|---------|-----|-------|
| Date | | Notes |
| Project | | |
| Type | Qty | |



F = Flange shown.
See page 5 for TRL detail.

Features

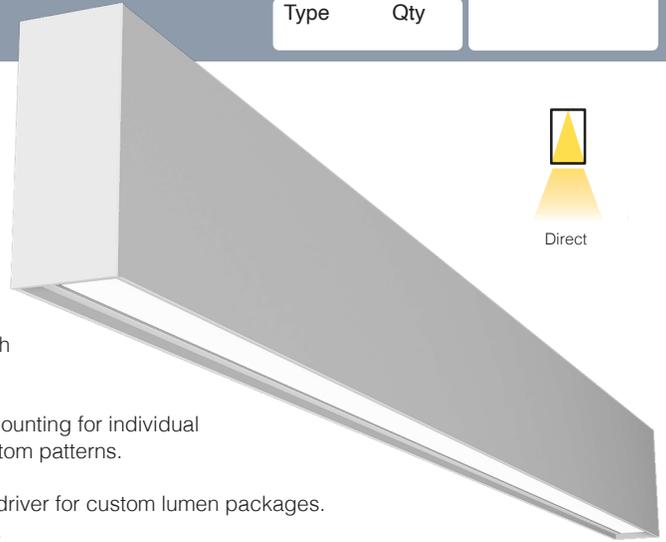
Extruded aluminum housing w/welded end-plates.

LED optimized optics for smooth illumination end-to-end.

Recessed Flange or Trimless mounting for individual fixtures, continuous runs or custom patterns.

High efficiency programmable driver for custom lumen packages. 0-10V dimming to 1% standard.

High efficacy LEDs in 80 or 90 CRI; two or three channel tunable white and five channel tunable color.



Ordering Guide

| MODEL | OPTICS | CCT | LUMENS ² | LENGTH ³ | MOUNTING ³ | FINISH | OPTIONS ⁴ |
|---------------------|---|--|---|--|----------------------------------|------------------------------------|---|
| PRFL-14-D | SI | | | | | | |
| PRFL-14-D Direct | SI = Satin Ice Acrylic (lay-in) DP = Diffuse Polycarbonate. For use with ARCL-14-D patterns (lay-in) | 27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI 90 CRI add *9" Ex: 940 = 4000K @ 90 CRI | LO = 440/ft (5W/ft, 84LPW) SO = 590/ft (7W/ft, 84LPW) HO = 700/ft (9W/ft, 78LPW) Consult factory for additional lumen packages. All values nominal. | 2 = 2 ft 3 = 3 ft 4 = 4 ft 5 = 5 ft 6 = 6 ft 7 = 7 ft 8 = 8 ft For other enter row length (e.g. 48 = 48 ft) | F = Flange TRL = Trimless | W = White CC = Custom Color | DIMMING DRIVERS DIM10 = 0-10V (1.0%) - Standard DIMSR = 0-10V (5.0%) Sensor Ready DIMST = Step Dimming (40%/100%) DALI = DALI (5.0%) LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume™ 1% EcoSystem™ LDE5 = 5-Series 5% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire LTEA2W = Hi-Lume 1% 2-Wire 120V SENSORS & CONTROLS ESN = Philips™ EasySense DAY = Daylight Harvesting OCC = Occupancy Sensor CAS = Casambi Bluetooth control VDO = Vive Sensor by Lutron EMERGENCY EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery Pack EPC7 = 7W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack Some options not integral to fixture. Please consult factory. |
| | | TUNABLE WHITE & COLOR¹ <u>2-Channel White</u> 2DIM10 = for 0-10V 2DALI = for DALI 2DMX = for DMX 2PSQ = for Lutron 2SNS = for Signify 2CAS = for Casambi <u>3-Channel Color</u> RGB <u>4-Channel Color/White</u> RGBW <u>5-Channel Color/Warm White/Cool White</u> RGBWW Some options not integral to fixture. Please consult factory. | | | | | |

¹Tunable white, tunable color options detailed on page 4. Not all tunable drivers are integral to PRFL-14. Consult factory.

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 5 for photometrics.

³See page 2 for actual fixture and row lengths.

⁴Consult factory on Sensor, GTD and EPC options. Not all are integral to PRFL-14.

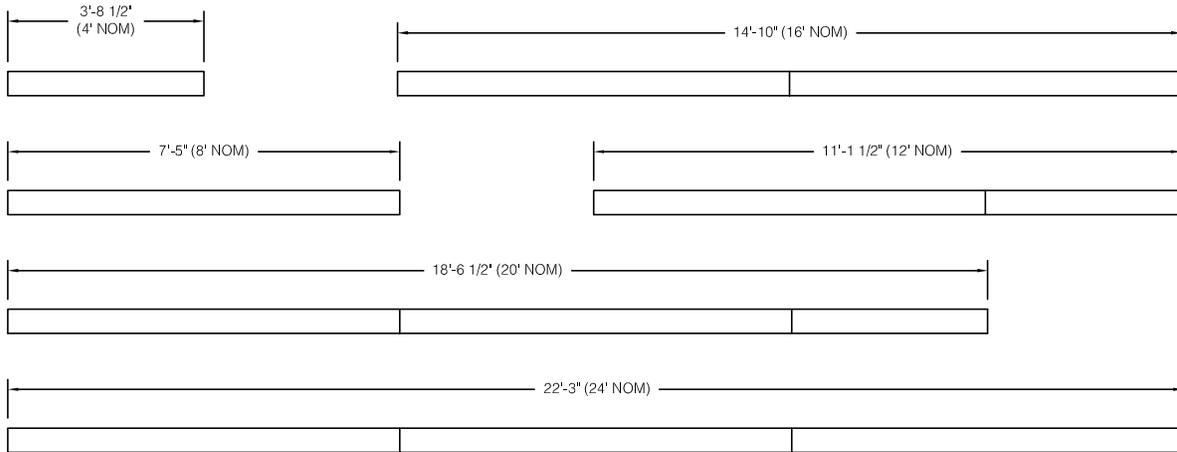


Individual Fixtures & Continuous Rows

| NOMINAL LENGTH | ACTUAL LENGTH |
|----------------|---------------|
| 4' | 3' 8-1/2" |
| 8' | 7' 5" |
| 12' | 11' 1-1/2" |
| 16' | 14' 10" |
| 20' | 18' 6-1/2" |
| 24' | 22' 3" |

Individual fixtures and rows are continuously illuminated and joined with included aligner brackets and hardware. Fixtures up to 8' nominal and continuous rows up to 24' nominal are dimensioned as shown below.

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

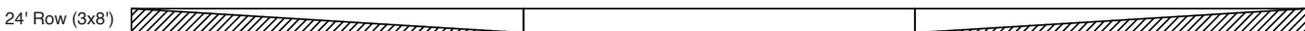
Consult factory for Sensor, GTD, EPC and for EMC dimming override device. Not all are integral to PRFL-14.



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 pattern suggestions. Day-O-Lite's custom manufacturing capabilities allow the specification of custom angled connectors to make arbitrary patterns possible. (See ILX example below).

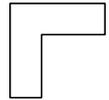
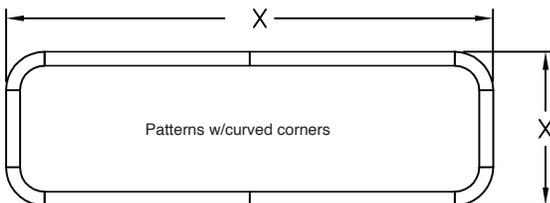
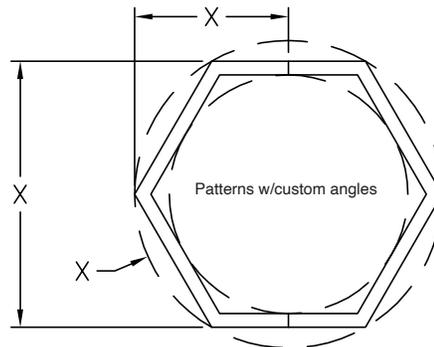
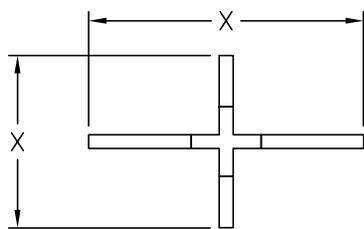
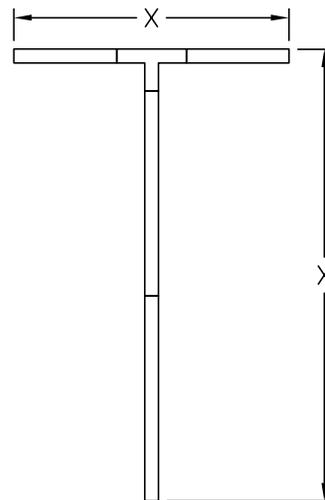
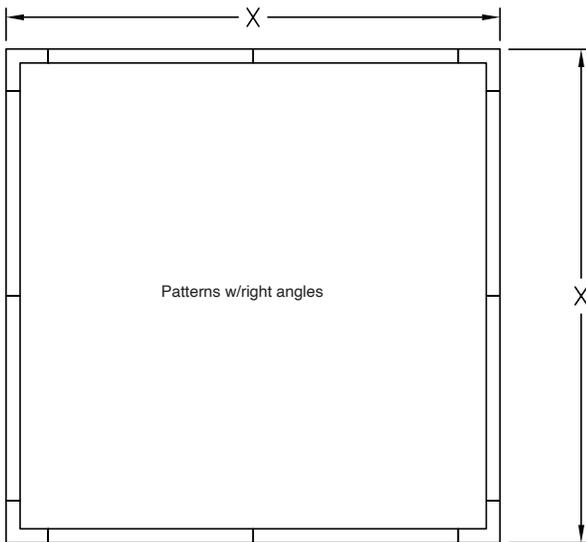
All corners and connectors are fully welded to ensure correct dimensions and "square" joinery when assembled.

How to Specify

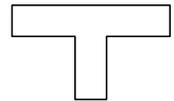
1. Submit your pattern to Day-O-Lite in dimensioned CAD file or submit a fully dimensioned PDF file.
2. If EPC/EMC or Sensors are to be included their location needs to be clearly noted.
3. Day-O-Lite will design your pattern to as close as is nominally possible given standard LED module lengths, including 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

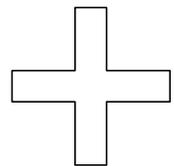
Illuminated Connectors



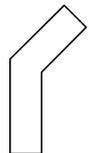
ILC2 = 90° Corner



ILC3 = 90° Tee



ILC4 = 90° Cross



ILCX = X° Custom



ILC4 = Curved Corner
Min. radius 12"
Max. radius unlimited

Patterns shown are examples. Day-O-Lite can custom design/build virtually any size/shape pattern. All patterns continuously illuminated.

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

RGB & RGBW TUNABLE COLOR

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

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.

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.

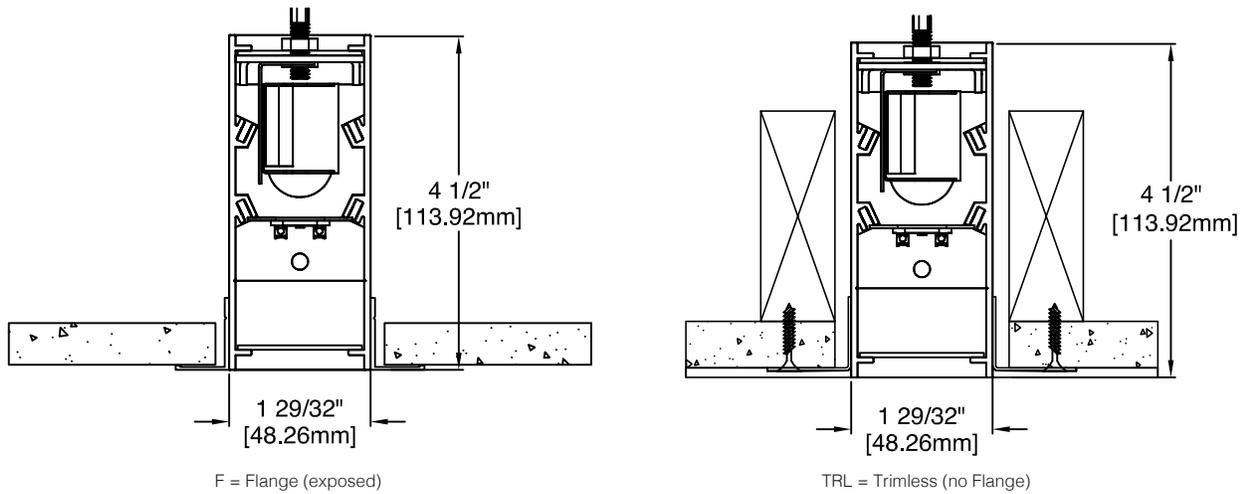
5-CHANNEL TUNABLE WHITE AND COLOR

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

¹Some driver options may not be integral to fixture. Please consult factory.

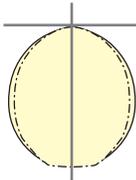
Day-O-Lite makes no claims as to the psychological or physiological efficacy of the white color tuning options offered herein.

Cross Section Mounting Detail



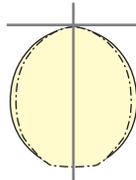
Photometry

PRFL-14-D-SI-40-LO-4
Satin Ice Lens (SI)



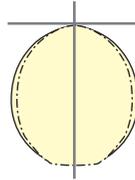
4000K CCT
WATTS: 21
LUMENS: 1782
LPW: 84
Distribution:
100% Direct

PRFL-14-D-SI-40-SO-4
Satin Ice Lens (SI)



4000K CCT
WATTS: 28
LUMENS: 2376
LPW: 84
Distribution:
100% Direct

PRFL-14-D-SI-40-HO-4
Satin Ice Lens (SI)



4000K CCT
WATTS: 36
LUMENS: 2800
LPW: 78
Distribution:
100% Direct

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 Satin Ice (SI) acrylic regressed lens.

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 installation is in dry wall ceiling via 1/4-20 rods (by others). Optional mounting yokes are available.

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.