DAY-O-LITE

Profile Series | PRFL-64-D-F/TRL

Direct

4" [101.244mm]

5 1/16" [128.524mm]

6 15/32" [164.082mm]
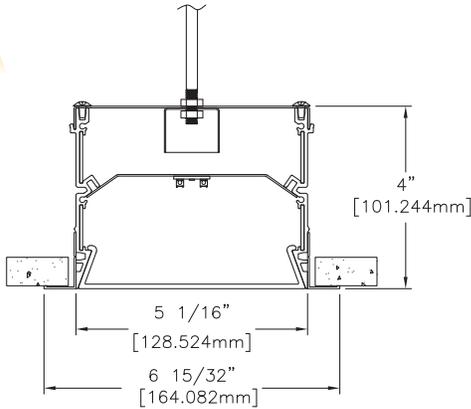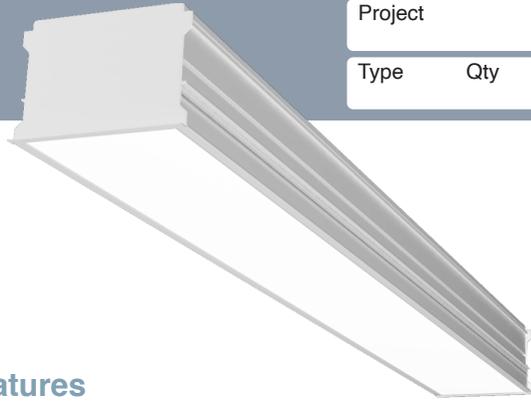
Flange (F) shown. See page 4 for Trimless detail

Features

Extruded aluminum housing w/steel end-plates & top.

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

Flanged or Trimless for installation in drywall ceilings.

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; five channel tunable color.

Ordering Guide

MODEL	OPTICS	CCT[1]	LUMENS[2]	LENGTH[3]	MOUNTING[4]	FINISH	OPTIONS
PRFL-64-D	**FL**						
PRFL-64-D Direct	FL = Flush Opal Acrylic (snap-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 **TUNABLE WHITE & COLOR[1]** 2-Channel White 2DIM10 = for 0-10V 2DALI = for DALI 2DMX = for DMX 2PSQ = for Lutron 2SNS = for Signify 2CAS = for Casambi 3-Channel White 3DML = for DLM 3-Channel Color RGB 4-Channel Color/White RGBW 5-Channel Color/Warm White/Cool White RGBWW	LO = 560/ft (5W/ft, 108LPW) SO = 750/ft (7W/ft, 108LPW) HO = 930/ft (9W/ft, 103LPW) 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 (Flange mount shown above. See page 4 for TRL)	W = White CC = Custom Color AMW = Anti-Microbial 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

[1]Tunable white, tunable color options detailed on page 6.

[2]Delivered 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.

[3]See page 2 for actual fixture lengths.

[4]See page 4 for all ceiling mounting options.

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.

3'-8 1/2" (4' NOM)

14'-10" (16' NOM)

7'-5" (8' NOM)

11'-1 1/2" (12' NOM)

18'-6 1/2" (20' NOM)

22'-3" (24' NOM)
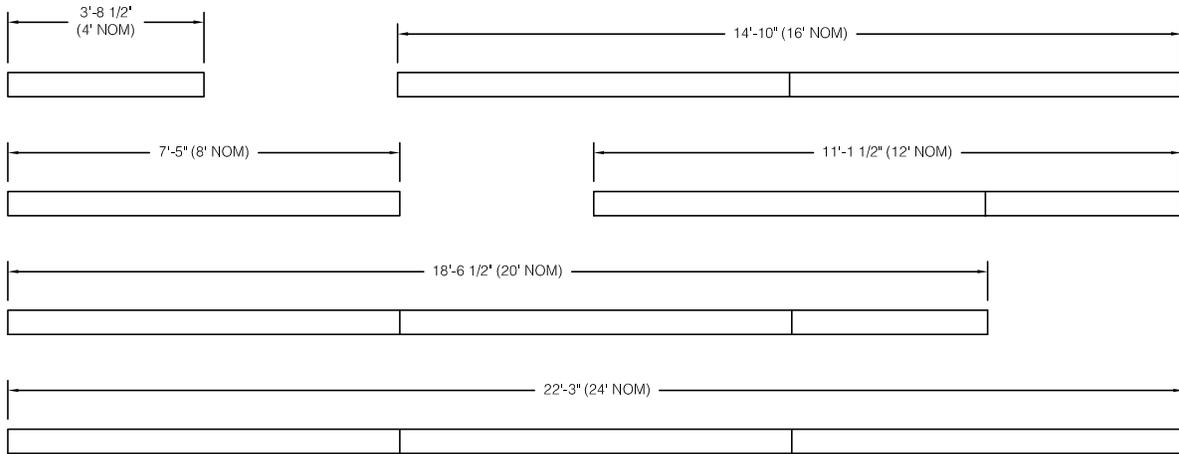
Emergency & Sensor Locations

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.

4' Individual

8' Individual

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

24' Row (3x8')
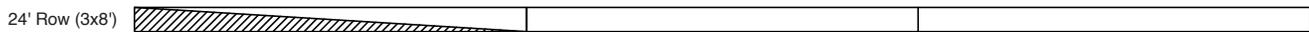
For continuous rows longer than 8' one EPC/EMC will be located in the feed section (end-left) of the row as shown below.

24' Row (3x8')

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.

24' Row (3x8')

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

8' Individual

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

24' Row (3x8')

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 shown below. Day-O-Lite's custom manufacturing capabilities allow the specification of custom angled and curved connectors to make non-sqaure 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.
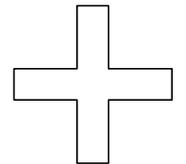
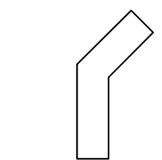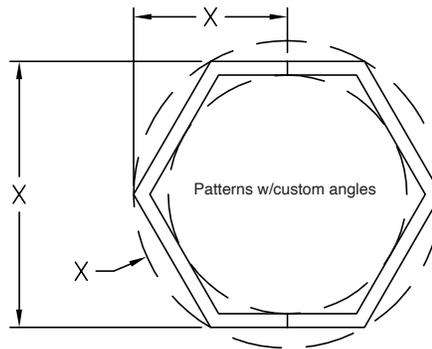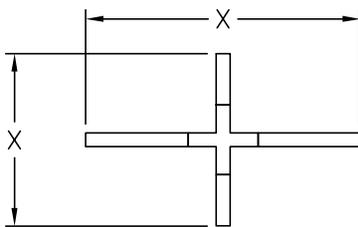## Pattern Examples   ## Illuminated Connectors

Patterns w/right angles

Patterns w/custom angles

Patterns w/curved corners
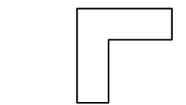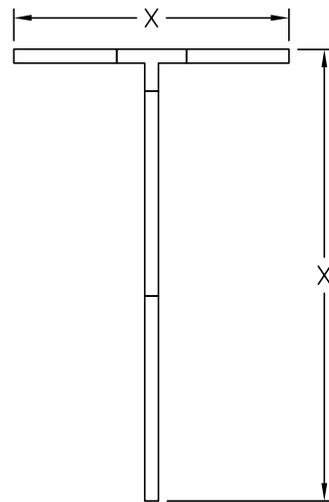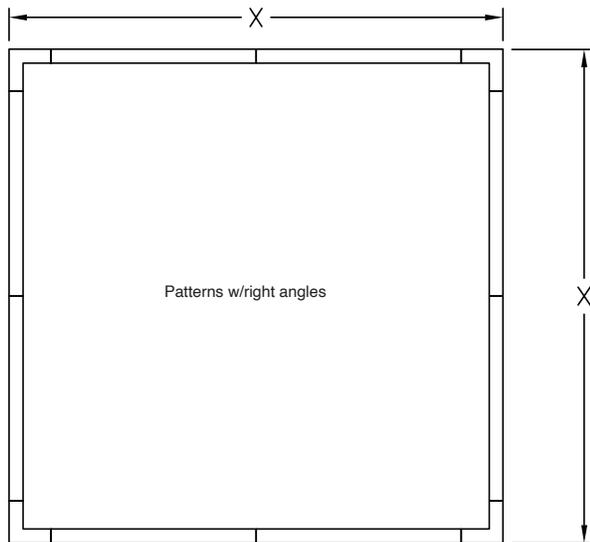
ILC2 = 90° Corner
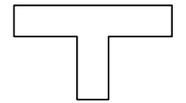
ILC3 = 90° Tee

ILC4 = 90° Cross

ILCX = X° Custom

ILC4 = Curved Corner
Min. radius 12"
Max. radius unlimited
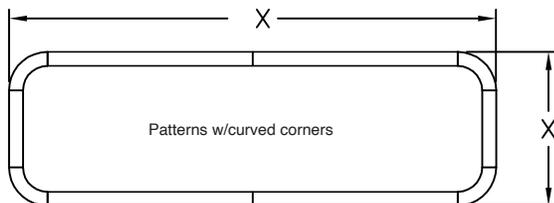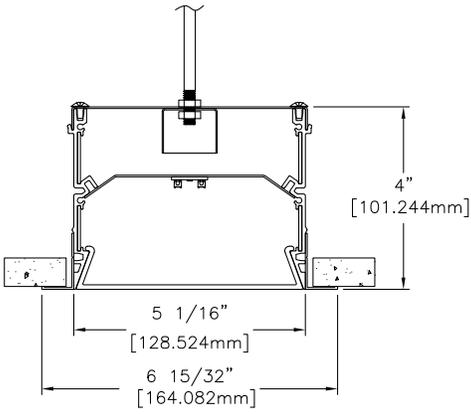
Patterns shown are examples. Day-O-Lite can custom design/build virtually any size/shape pattern. All patterns continuously illuminated.

Recessed Mounting Options - Plaster Ceilings

4"
[101.244mm]

5 1/16"
[128.524mm]

6 15/32"
[164.082mm]

Flange (F)

4"
[101.244mm]

5 1/16"
[128.524mm]

2 11/16"
[68.603mm]
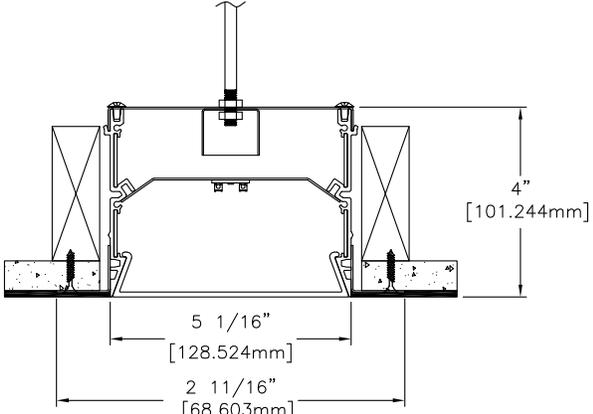
Trimless (TRL)

Photometry

PRFL-64-D-FL-40-LO-4-F/TRL

4000K CCT
WATTS: 21
LUMENS: 2264
LPW: 108
Optical Distribution:
100% Direct

PRFL-64-D-FL-40-SO-4-F/TRL

4000K CCT
WATTS: 28
LUMENS: 3019
LPW: 108
Optical Distribution:
100% Direct

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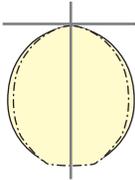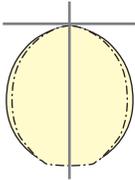
CONSTRUCTION   Extruded aluminum housing. 20 gauge cold rolled steel internal components.

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

OPTICS   LED optimized opal acrylic flush (FL) lens.

LED   LED modules in 30/35/40 & 50K CCT, 80CRI (90CRI available). 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: Installation is in an exposed inverted T-bar ceiling. Fixtures are supplied with four support brackets for additional support to T-bar.

FINISH   Housing and components finished in baked white enamel.

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 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 wirelss 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 form 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 contoller (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.