Date	Notes
Project	
Type	Qty

Indirect clear acrylic (CA) lens w/Direct flush lens (FL) shown. See page 3 for other lens details.

Dimensions:
- 1/4" [6.586mm]
- 4 1/2" [114.300mm]
- 4" [101.600mm]

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.

Direct/Indirect

Ordering Guide

MODEL	OPTICS	CCT	LUMENS[2]	LENGTH[3]	MOUNTING	FINISH	OPTIONS
PRFL-44-DI					**WM**		
Profile 44 Direct/Indirect	**DIRECT LENS** FL = Flush Opal Acrylic (snap-in) DL = Drop Opal Acrylic (snap-in) SI = Satin Ice Acrylic (lay-in) AS = Asymmetric (lay-in) **INDIRECT LENS** CA = Clear Acrylic FL = Flush Opal Acrylic (snap-in) SI = Satin Ice Acrylic (lay-in) AS = Asymmetric (lay-in) CM = Collimating (lay-in) BW = Bat Wing (lay-in)	27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI For 90 CRI add "9" prefix. Ex: 940 = 4000K @ 90 CRI **TUNABLE WHITE[1]** (2-Channel) 2DIM10 = for 0-10V 2DMX = for DMX 2DLM = for DLM **TUNABLE WHITE[1]** (3-Channel) 3DMX = for DMX 3DML = for DLM **TUNABLE COLOR[1]** (Lumenetix araya5) LX10 = for 0-10V LXDX = for DMX LXDL = for DLM LXDA = for DALI LXLT = for EcoSystem For RGB and RGB/W options please consult factory.	**STD LUMENS** LO = 780/ft Indirect 600/ft Direct (10W/ft, 117LPW) SO = 1050/ft Indirect 800/ft Direct (14W/ft, 117LPW) HO = 1250/ft Indirect 950/ft Direct (18W/ft, 122LPW) **DLC LUMENS** 30D 30K 885/ft Indirect 615/ft Direct (14W/ft, 107LPW) 35D = 35K 905/ft Indirect 625/ft Direct (14W/ft, 109LPW) 40D = 40K 920/ft Indirect 640/ft Direct (14W.ft, 111LPW) 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)	WM = Wall Mount	W = White CC = Custom Color AMW = Anti-Microbial White	**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 **OTHER** TCW = Two Circuit Wiring

[1]Tunable white, tunable color options detailed on page 4.

[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 3 for photometry.

[3]See page 2 for actual fixture lengths and mounting locations.

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Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	WALL BRKTS.
4'	44 1/2"	2
8'	89"	3
12'	133 1/2"	5
16'	178"	8
20'	222 1/2"	8
24'	267"	9

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.
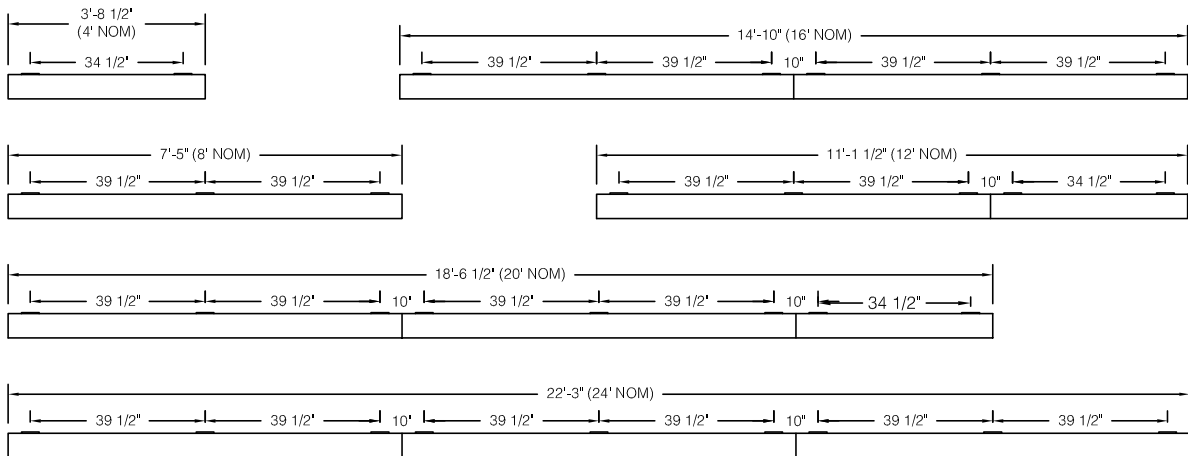


Emergency & Sensor Locations

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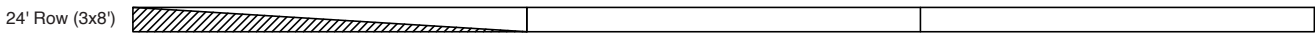
For continuous rows longer than 8' one EPC/EMC will be located in the feed section (end-left) of the row as shown below.

24' Row (3x8')
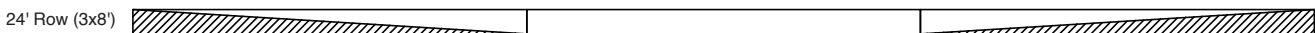
If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.

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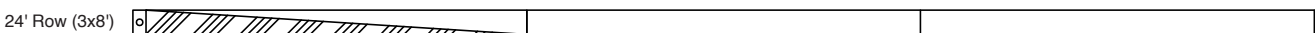
SENSORS for rows by default will control the feed section (end-left) of the row. Sensors can control more than an 8' section within a row. Consult factory for sensor/section options, or for multiple sensors in a continuous row.
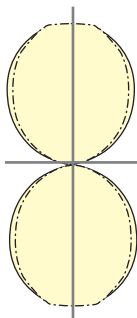
Photometry

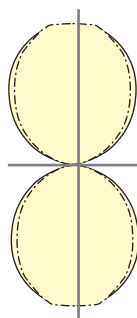PRFL-44-DI-SI-40-SO-4-WM
Satin Ice Lens (SI)

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

PRFL-44-DI-DL-40-SO-4-WM
Drop Lens (DL)
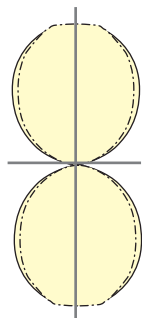
4000K CCT
WATTS: 64
LUMENS: 7340
LPW = 115
Distribution:
43% Direct: 57% Indirect

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

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

Additional Lens Details

1/4" [6.586mm] · 4 1/2" [114.300mm] · 4" [101.600mm]

Clear Dust Cover (CA) and Satin Ice Lens (SI)

1/4" [6.586mm] · 4 1/2" [114.300mm] · 1" [25.248mm] · 4" [101.600mm]

Clear Dust Cover (CA) and Drop Lens (DL)
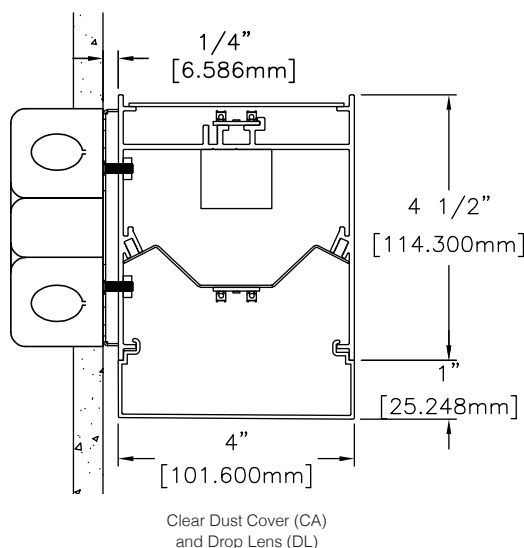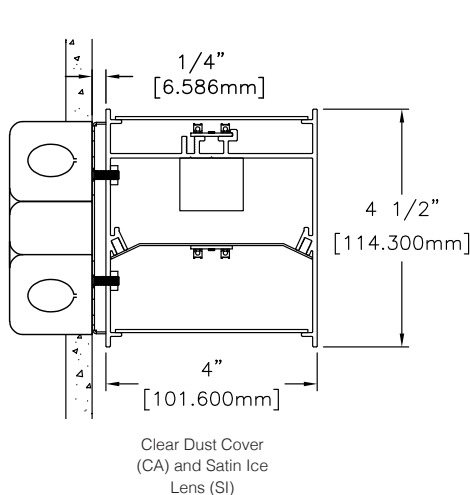
Specifications

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.. Indirect (CA) clear acrylic, (AS) Asymmetric, (CM) Collimating and (BW) Bat Wing available.

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

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 wall mount with included mounting brackets and hardware. Requires single-gang j-box supplied by others.

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.