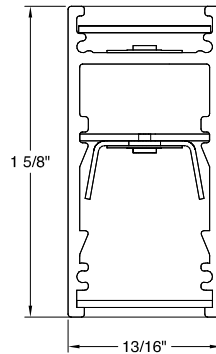


Date		Notes
Project		
Type	Qty	

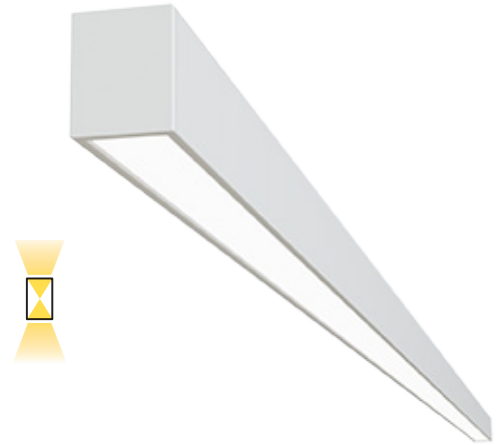
### Features

- Micro extruded aluminum direct/indirect housing.
- Power over 1/6" diameter suspension cable standard.
- 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 (consult factory).
- Bios SkyBlue™ circadian solutions available.

**Declare** Red List Approved.



Satin Ice Lens



### Ordering Guide



MODEL	OPTICS	LED <sup>1</sup>	LUMENS <sup>2</sup>	LENGTH	MOUNTING <sup>3</sup>	FINISH	OPTIONS
<b>MCRL-DI</b>	<b>SI</b>				<b>PSC</b>		
MCRL-DI Direct / Indirect	SI = Satin Ice Acrylic Lens	<b>STATIC WHITE</b> 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K  <b>BIOS SkyBlue</b> Spectrally optimized circadian solutions.  <b>TUNABLE WHITE</b> (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron  <b>DIM-TO-WARM</b> (2700K-6500K) DTW = Dim-to-Warm  <b>RGB + WHITE</b> RGB = RGB  RGBW = RGBW (consult factory)	LO = 420/ft (5W/ft, 83LPW)  SO = 550/ft (7W/ft, 81LPW)  HO = 680/ft (9W/ft, 79LPW)  <b>CUSTOM LUMENS</b> For custom lumens please specify < HO.	2 = 2 ft (22 1/4")  3 = 3 ft (33 3/8")  4 = 4 ft (44 1/2")  5 = 5 ft (55 5/8")  6 = 6 ft (66 3/4")  7 = 7 ft (77 7/8")  8 = 8 ft (89")  For other enter row length (e48 = 48 ft)	PSC = Powered Suspension Cable	W = White  CC = Custom Color  AMW = Anti-Microbial White	<b>DIMMING DRIVERS</b> DIM10 = 0-10V (1%) - <b>Standard</b> DTO = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming 347 = 0-10V (347V) DIMSR = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX  <b>LUTRON™ DIMMING DRIVERS</b> LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire  <b>SENSORS &amp; CONTROLS<sup>4</sup></b>  <b>EMERGENCY BATTERY<sup>5</sup></b> EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Battery Pack EPC6 = 6.5W Battery Pack EPC10 = 10W Battery Pack EPC12 = 12W Battery Pack  <b>WIRING &amp; OTHER</b> FWH = Flexible Wiring Harness DWH = DMX Wiring Harness

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

<sup>2</sup>Lumens at 80CRI, 3500K, SI lens. Photometry page 3.

<sup>3</sup>See page 4 for mounting option details.

<sup>4</sup>All Sensor & Control options page 2. Most driver, Sensor & Control options, and GTD for remote mount only. Consult factory.

<sup>5</sup>EPC6 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> (consult factory)

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

#### Single Color<sup>4</sup>

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

Due to MCRL's small form the following sensor and control options are for remote ceiling mount only. Consult factory for details.

#### 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  
WVL = 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. Simply lower the intensity and CCT changes from high to low. Compatible with most 0-10V dimmers (by others). Ideal for hospitality, restaurants and living facilities.

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

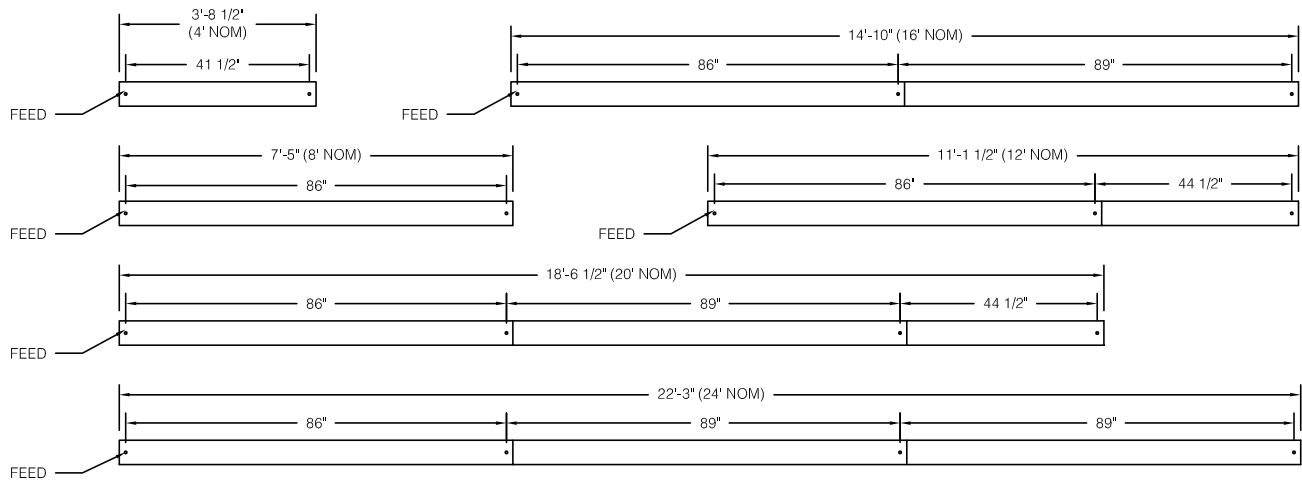
<sup>4</sup>Single colors are constant voltage LEDs. Dimming requires ELV controller (by others).

### Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	SUSP. 1 O.C.	SUSP. 2 O.C.	SUSP. 3 O.C.	SUSP. 4 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"	89"

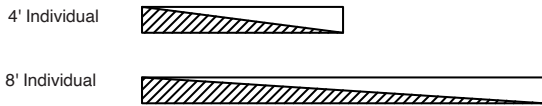
Individual fixtures and rows are continuously illuminated and joined with included aligner brackets and hardware. Power feed locations and mounting locations are shown below.

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



### Emergency & Sensor Locations

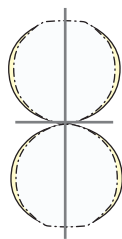
EPC will control entire length of fixture. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled fixtures will deliver lumens per foot as originally specified, unless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



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

**NOTE** All sensors and Emergency Battery Packs remote mount only.

### Photometry



PRFL-14-D-SI-35-**LO**-4  
Satin Ice Lens

3500K CCT  
WATTS: 20  
LUMENS: 1650  
LPW: 83

PRFL-14-D-SI-35-**SO**-4  
Satin Ice Lens

3500K CCT  
WATTS: 27  
LUMENS: 2200  
LPW: 81

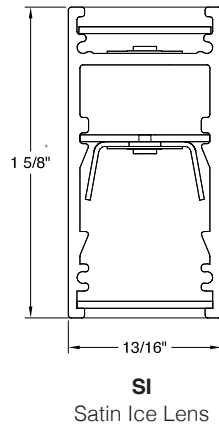
PRFL-14-D-SI-40-**HO**-4  
Satin Ice Lens

3500K CCT  
WATTS: 35  
LUMENS: 2750  
LPW: 79

3500K @ 80CRI, 4', 43% Direct, 57% Indirect Distribution, SI lens.

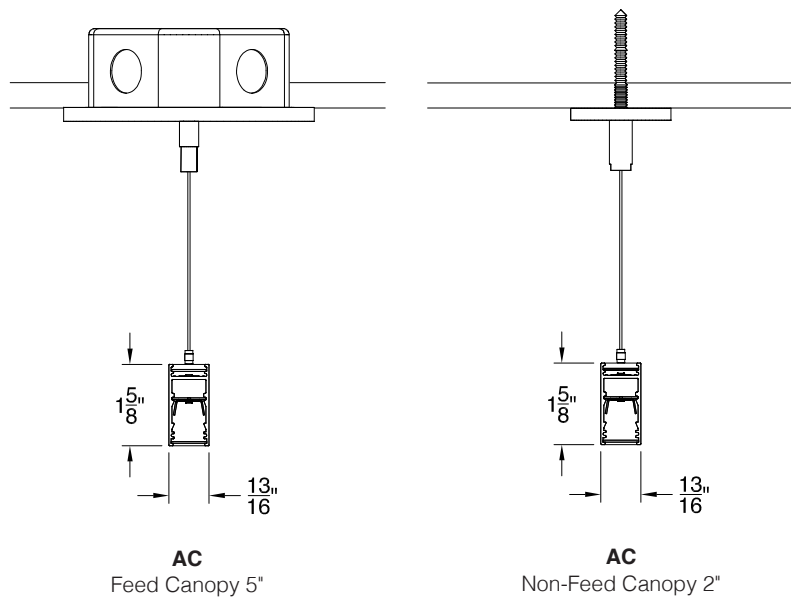
Use the following multipliers for other CCTs: 2700K x 0.96, 3000K x 0.98, 4000K x 1.02, 5000K x 1.03. IES files @ [www.dayolite.com](http://www.dayolite.com)

### Optics



### Mounting

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.



**AC-PF** = Replacement Power Feed w/cable Kit w/5" canopy.  
**AC-NF** = Replacement Non/Feed Kit w/2" canopy.  
 Consult factory for lengths and either 5 or 6 wire power feeds.

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## 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 acrylic lens is standard.

**LED:** Static white LED modules in 30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum  $L_{70}$  = 50,000 hours. 3 SDCM color consistency. RGB, Tunable White and Dim-to-Warm options available; field replaceable.

**DRIVER:** Class 2 AOC 0-10V driver to 1%, Dim-to-Off available. 120/277V input, PF > 90%, THD < 20 @ 120V. DMX, DALI & Lutron protocols available. All drivers prewired 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. May also be surface ceiling mounted.

**FINISH:** Housing and components finished in baked white enamel. Canopies and pendant stems are white enamel unless otherwise specified. 5" Feed canopy w/2" Suspension canopies.

**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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