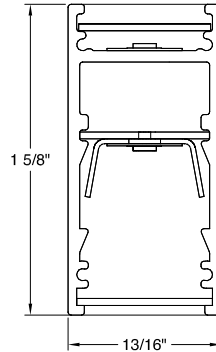


Date	Notes
Project	
Type Qty	

Features

- Micro extruded aluminum direct/indirect housing.
- 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 ¹	LUMENS ²	LENGTH	MOUNTING ³	FINISH	OPTIONS ⁴
MCRL-DI	SI						
MCRL-DI Direct / Indirect	SI = Satin Ice Acrylic Lens	<p>STATIC WHITE 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K</p> <p>BIOS SkyBlue Spectrally optimized circadian solutions.</p> <p>TUNABLE WHITE (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron</p> <p>DIM-TO-WARM (2700K-6500K) DTW = Dim-to-Warm</p> <p>RGB + WHITE RGB = RGB RGBW = RGBW (consult factory)</p>	<p>LO = 420/ft (5W/ft, 83LPW) SO = 550/ft (7W/ft, 81LPW) HO = 680/ft (9W/ft, 80LPW)</p> <p>CUSTOM LUMENS For custom lumens please specify < HO.</p>	<p>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")</p> <p>For other enter row length (e48 = 48 ft)</p>	AC = Aircraft Cable	<p>W = White CC = Custom Color AMW = Anti-Microbial White</p>	<p>DIMMING DRIVERS DIM10 = 0-10V (1%) - Standard 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</p> <p>LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire</p> <p>SENSORS & CONTROLS⁴</p> <p>EMERGENCY BATTERY⁵ EPC4 = 4W Battery Pack EPC6 = 6.5W Battery Pack EPC10 = 10W Battery Pack EPC12 = 12W Battery Pack</p> <p>WIRING & OTHER EMC = Emergency Circuit GTD = Generator Transfer Device⁵ FWH = Flexible Wiring Harness DWH = DMX Wiring Harness</p>

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

²Lumens at 80CRI, 3500K, FL lens. Photometry page 3. Custom lumens may be specified at an level below HO.

³See page 4 for mounting option details.

⁴All Sensor & Control options page 2.

⁵EPC6 is standard unless otherwise specified. EPC not for DMX drivers. All driver, Sensor & Control, Emergency Battery and GTD options remote only.

BAA letter of compliance available at www.dayolite.com. Please consult factory for **BABAA** requests.

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 White¹ (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-Warm²

DTW = 6500K-2700K 80 CRI
9DTW = 6500K-2700K 90 CRI

RGB/W³ (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 Color⁴

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 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 & Controls⁵

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).

¹Tunable white may be controlled by a number of dimming protocols as shown. The 2ESN Philips EasySense option includes daylight and occupancy sensing plus tunable white control through wireless switches (by others; i.e. Philips, Illumra).

²Dim-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.

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

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

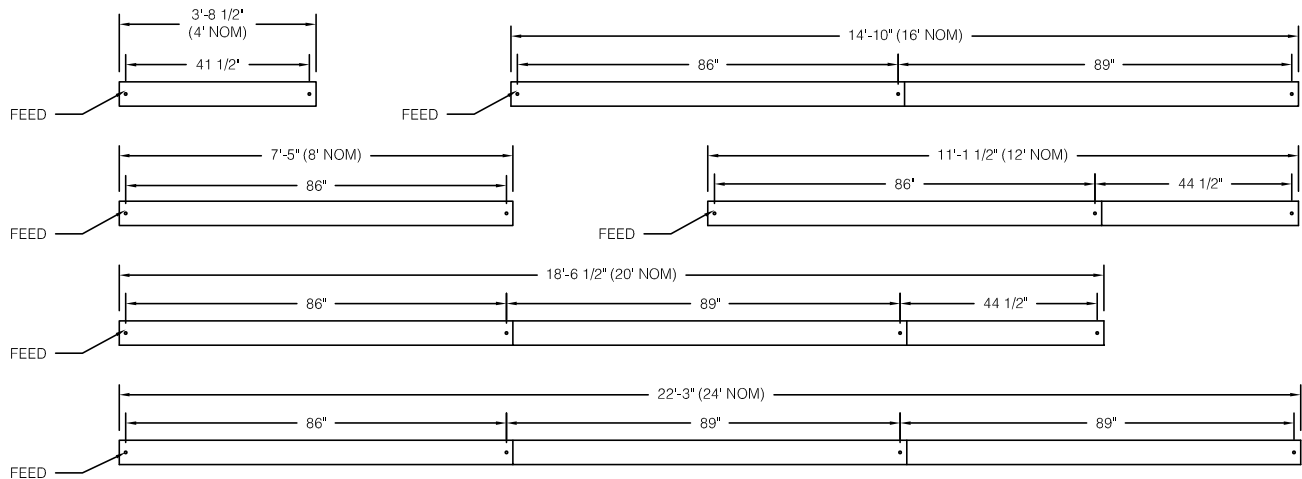
⁵All driver, Sensor & Control and Emergency Battery options remote only.

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"

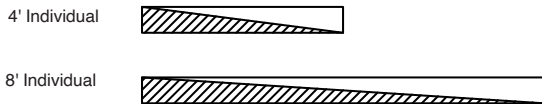
Individual fixtures and rows are continuously illuminated and joined with included aligner brackets and hardware. Power feed locations and mounting locations are shown below.

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



Emergency & Sensor Locations

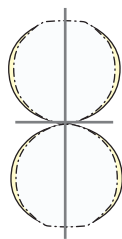
EPC will control entire length of fixture. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled fixtures will deliver lumens per foot as originally specified, unless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

4000K CCT
WATTS: 20
LUMENS: 1650
LPW: 83

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

4000K CCT
WATTS: 27
LUMENS: 2200
LPW: 81

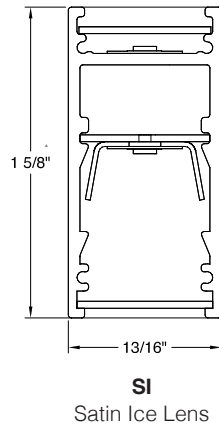
PRFL-14-D-SI-40-**HO**-4
Satin Ice Lens

4000K CCT
WATTS: 34
LUMENS: 2750
LPW: 80

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

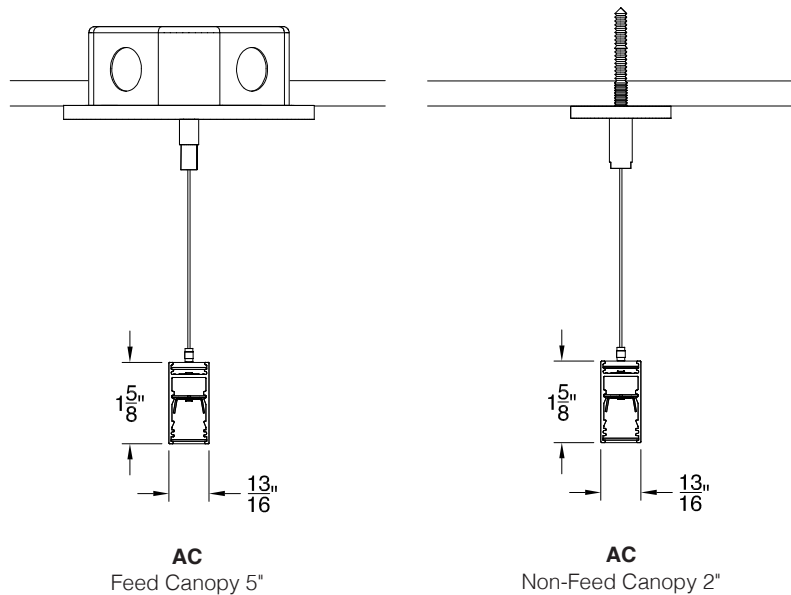
Use the following multipliers for other CCTs: 2700K x 0.96, 3000K x 0.98, 4000K x 1.02, 5000K x 1.03. IES files @ www.dayolite.com

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.

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: Standard driver is Class 2 AOC 0-10V 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. RoHS and BAA compliant; contact factory for any BABAA requests. DLC V5.1 Standard Listed. Declare Red List Approved.

LEGAL: 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.