

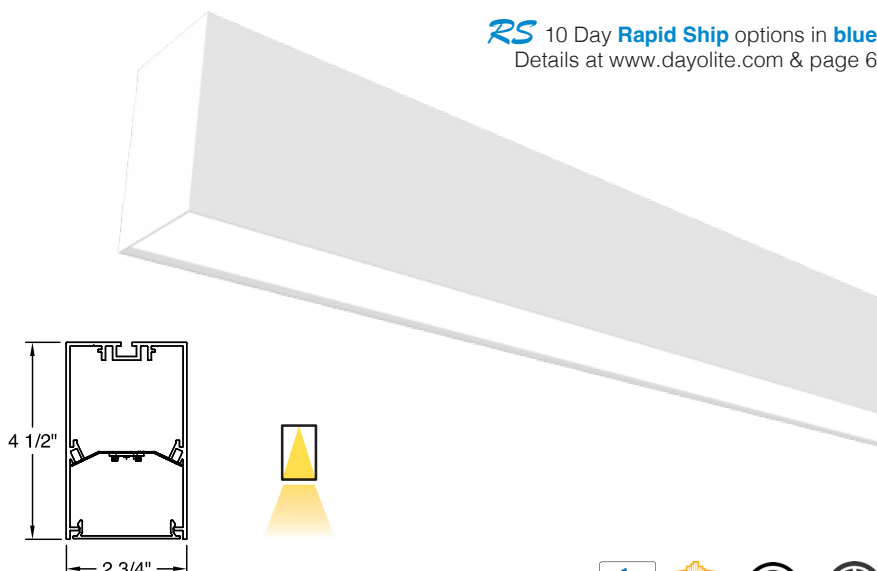


Profile Series | PRFL-24-D

Date	Notes
Project	
Type/Qty	

Features

Extruded aluminum housing w/welded end caps.
 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 & RGBWW.
 DLC V5.1 Standard Listed up to 119 LPW.
 Type IC Inherently Protected.
 Declare Red List Approved.
 Damp Location Suitable.



RS 10 Day **Rapid Ship** options in **blue**.
 Details at www.dayolite.com & page 6.

Ordering Guide



MODEL	OPTICS	LED ¹	LUMENS ²	LENGTH	MOUNTING ⁴	FINISH	OPTIONS
PRFL-24-D							
PRFL-24-D Direct	STANDARD FL = Flush Opal Acrylic (snap-in) OPTIONAL DL = 1" Drop Opal Acrylic (snap-in) SCB = Cross Baffle w/acrylic overlay LIGHT SHAPING (semi-diffuse) ASP = Asymmetric (snap-in) CM = Collimating (lay-in) BW = Batwing (snap-in)	STATIC WHITE 27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI BIOS SkyBlue Circadian solutions TUNABLE 2-Channel 2700K-6500K Fixed CCT Range 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron TUNABLE 3-Channel 1800K-6500K 92 CRI Selectable CCT Range 3DIM10 = for 0-10V DIM-TO-WARM DTW = Dim-to-Warm (2700K-6500K) 0-10V 3DTW = Dim-to-Warm (1800K-6500K) 0-10V RGB+WHITE RGB = RGB RGBW = RGBW RGBWW = RGBWW (Specify "W" CCT)	STANDARD LO = 502/ft (5W/ft, 100LPW) SO = 669/ft (7W/ft, 100LPW) HO = 835/ft (8W/ft, 100LPW) CUSTOM LUMENS Specify < HO. DLC LUMENS³ @3500K S3D = 800/ft (6.7W/ft, 119LPW) @4000K S4D = 800/ft (6.7W/ft, 119LPW)	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 (48 = 48 ft) P = Pattern ⁶	AC = Aircraft Cable PD = Pendant Stem S = Surface	W = White CC = Custom Color AMW = Anti Microbial White Wood Grain finish options Click here.	DIMMING DRIVERS DIM10 = 0-10V (1%) Standard DTO = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming DIMSR = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire SENSORS & CONTROLS⁵ AVO = Avi-On Sensor AWNS = Lutron Athena Sensor ESN = EasySense Sensor CAS = Casambi Wireless Control EMERGENCY EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery EPC6 = 6.5W Emergency Battery EPC10 = 10W Emergency Battery EPC12 = 12W Emergency Battery WIRING & OTHER FWH = Flexible Wiring Harness

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

²Lumens at 80CRI, 3500K, FL lens. Photometry page 5.

³DLC options limited to FL lens, s35/40K CCT @ 80CRI, SO lumens.

⁴See page 5 for mounting option details.

⁵All Sensor & Control options page 2.

BAA letter of compliance available at www.dayolite.com.

⁶For Patterns please provide a dimensioned drawing. Day-O-Lite will provide factory drawings to finished dimensions for approval.

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

Tunable¹ 2-Channel

2700K-6500K 80 CRI
 Fixed CCT Range

2DIM10 = 0-10V
 2DMX = DMX 80
 2CAS = Casambi Wireless
 2ESN = Philips EasySense
 2LUT = Lutron (LD2)

92DIM10 = 0-10V 90 CRI
 92DMX = DMX 90 CRI
 92CAS = Casambi Wireless 90 CRI
 92ESN = Philips EasySense 90 CRI
 92LUT = Lutron (LD2) 90 CRI

Tunable¹ 3-Channel

1800K-6500K 92 CRI
 Selectable range CCT (factory set)

3DIM10 = 0-10V Dimming

Dim-to-Warm²

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

3DTW = 6500K-1800K 92 CRI
 Selectable range CCT (factory set).
 To specify write in the desired range; eg. 65/18 = 6500K-1800K, or 57/22 = 5700K-2200K.

RGB/W³

RGB = RGB only
 RGB27 = RGB w/2700K
 RGB30 = RGB w/3000K
 RGB35 = RGB w/3500K
 RGB40 = RGB w/4000K
 RGB50 = RGB w/5000K
 RGBWW = RGB w/2700K-6500K
 ADV = Advanced Color
 125mm increment RGB or
 RGBW pixel control

Single Color

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 & Controls**Sensors**

AVO = Avi-On Occ/Day
 AVM = Avi-On Occ (Microwave)
 AVN = Avi-On Node
 BNV = BubblyNet Occ/Day
 LEG = Legrand Occ/Day
 AWN = Lutron Athena Occ/Day
 VIVE = Lutron Vive Occ/Day
 NLT = Acuity nLight Occ/Day
 NXC = Current NX Occ/Day
 ESN = Philips EasySense Occ/Day
 WV = Cooper WaveLinx Occ/Day

Sensors and control options to be commissioned wirelessly in the field by qualified controls personnel with applicable apps (by others).

Wireless Control

CAS = Casambi

Other Options

Other sensor and wireless control options are available. Contact factory for details.

¹Tunable white may be controlled by a number of dimming protocols as shown. 2-Channel has a fixed range of 2700K-6500K. 3-Channel has a maximum range of 1800K-6500K, but other sub-ranges may be specified. 3-Channel Tunable White has a third diode to more closely approximate the black body curve in the mid CCT ranges. Contact Day-O-Lite for details.

²Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K-2700K (2DTW) or 6500K-1800K (3DTW) as light levels are dimmed.

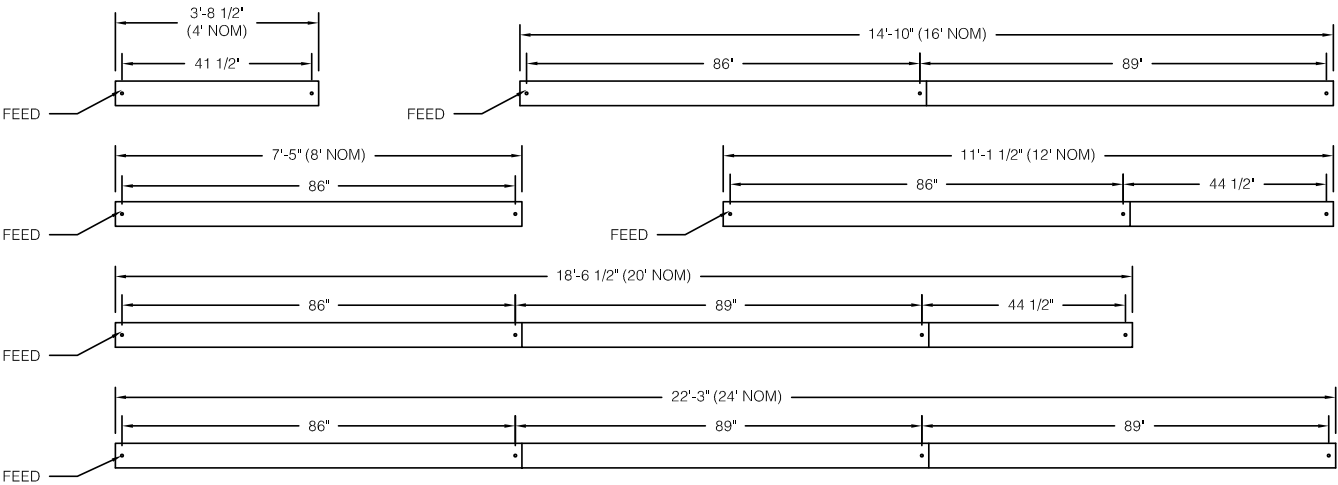
³All RGB, RGBW, RGBWW and ADV options for **DMX** control (by others). 80 CRI standard. All fixtures with **DMX** drivers include **DMX** cabling prewired to the driver/s, terminated with an RJ45 mail adapter ease of installation.

Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	SUSP. 1 O.C.	SUSP. 2 O.C.	SUSP. 3 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

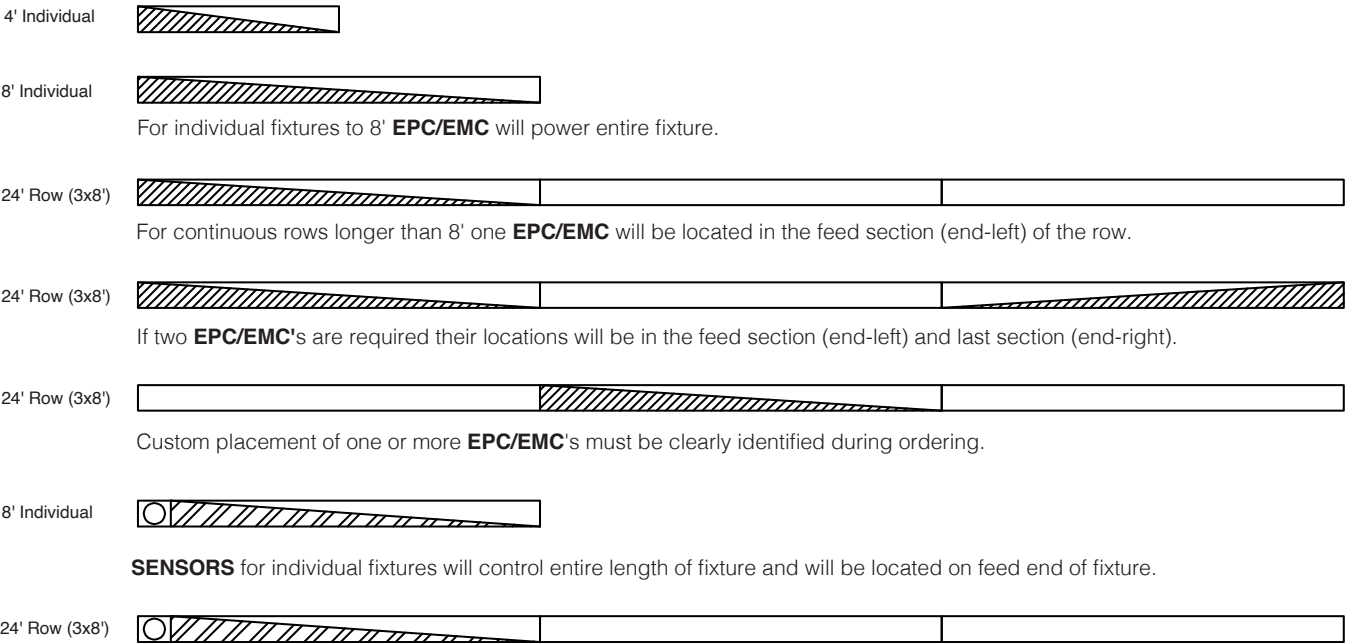
Individual fixtures and rows are continuously illuminated and joined with included aligner brackets and hardware. Power feed locations and mounting locations are shown below.

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.



SENSORS for rows 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.

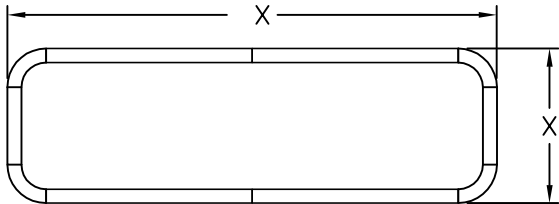
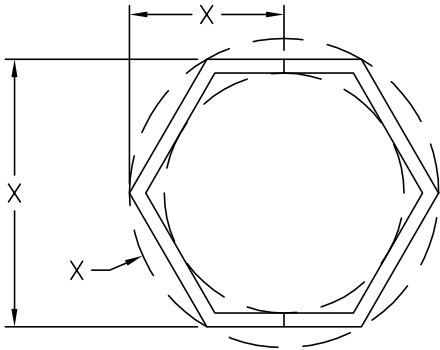
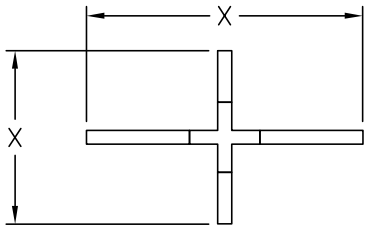
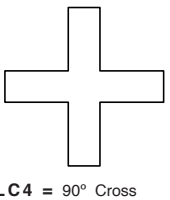
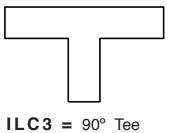
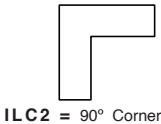
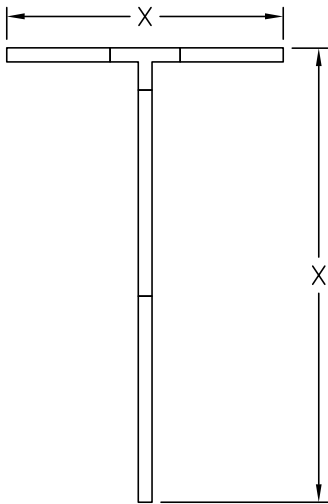
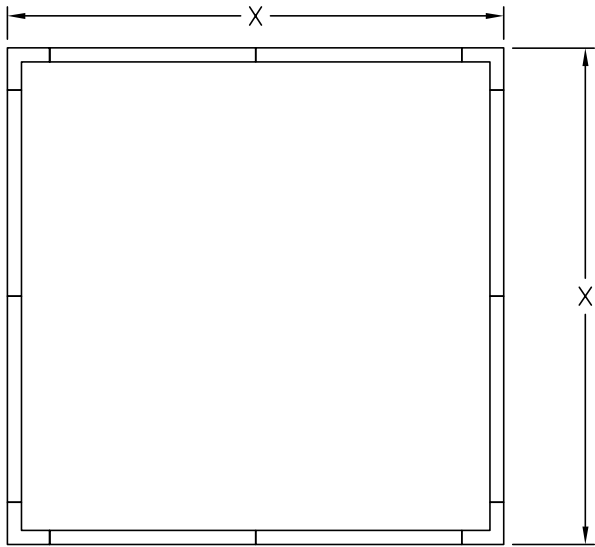
Pattern Guide

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 suggestions. Day-O-Lite's custom manufacturing capabilities allow the specification of custom angled connectors to make non-square patterns possible. All corners and connectors are fully illuminated, and welded.

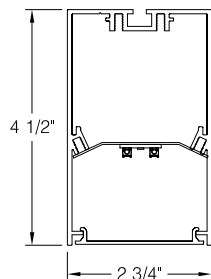
To specify patterns please provide a dimensioned drawing. Day-O-Lite will provide factory drawings to finished dimensions for approval.

Pattern Examples

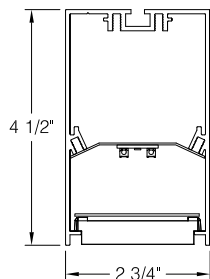
Illuminated Connectors



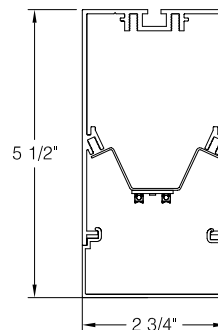
Optics



Flush Lens



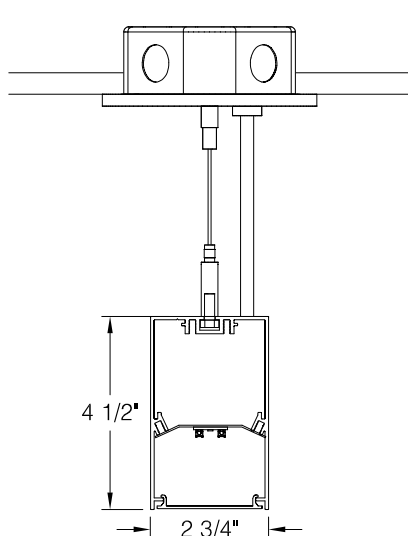
Cross Blade
w/acrylic overlay



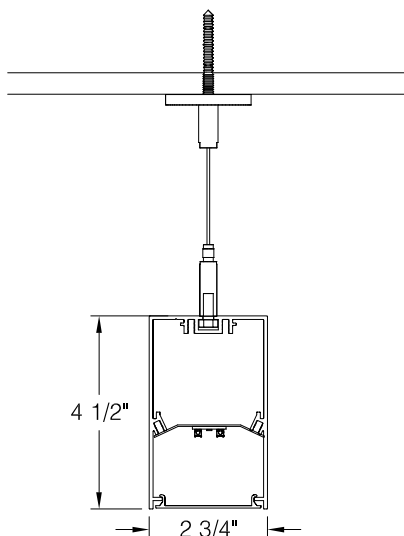
1" Drop Lens

Mounting

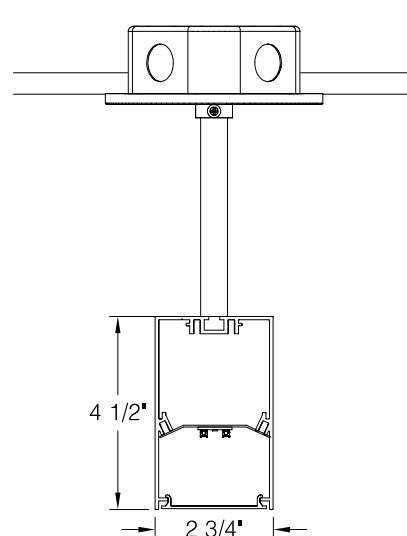
Standard suspension options include adjustable self-locking aircraft cables (AC) and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 60" 18 gauge power and 22 gauge dimming control SJT feed. PD assemblies are 5/8" dia. (or 3/8" IP) hollow stem for power feed (by others); 24" is standard. Consult factory for longer suspension lengths and other mounting options.



AC
Feed Canopy 5"



AC
Non-Feed Canopy 2"



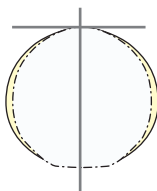
PD
5" Canopies Only

AC-PF = Replacement Power Feed w/cable Kit w/5" canopy.

AC-NF = Replacement Non/Feed Kit w/2" canopy.

Consult factory for custom lengths and either 5 or 6 wire power feeds.

Photometry



PRFL-24-D-**FL-35-LO-4**
Flush Lens

3500K CCT
WATTS: 20
LUMENS: 2007
LPW: 100

PRFL-24-D-**FL-35-SO-4**
Flush Lens

3500K CCT
WATTS: 27
LUMENS: 2677
LPW: 100

PRFL-24-D-**FL-35-HO-4**
Flush Lens

3500K CCT
WATTS: 33
LUMENS: 3340
LPW: 100

PRFL-24-D-**FL-S3D-4**
DLC V5.1 Standard

3500K CCT
WATTS: 27
LUMENS: 3200
LPW: 119

PRFL-24-D-**FL-S4D-4**
DLC V5.1 Standard

4000K CCT
WATTS: 27
LUMENS: 3200
LPW: 119

3500K @ 80CRI, 4', FL 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

Specifications

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

REFLECTOR: Highly reflective baked white enamel with pre-finished reflective LED tray.

OPTICS: Opal acrylic Flush lens is standard. 1" acrylic Drop lens, Steel Cross Baffle with acrylic overlay, Asymmetrical, Batwing, and Collimating lenses available.

LED: Static white LED modules in 27/30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum $L_{70} = 50,000$ hours. 3 SDCM color consistency. BIOS SkyBlue, RGB, RGBW, RGBWW, Advanced Color, 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, and rigid pendant stems. Aircraft cable 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 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, BAA compliant, DLC V5.1 Standard Listed, Declare Red List Approved, Type IC Inherently Protected.

LEGAL: Day-O-Lite, a division of SCW Corporation. All rights reserved. The Day-O-Lite logo is a registered trademark of SCW Corporation. Actual product performance may differ due to end user environment, application and installation. Luminaires have been tested at 25° C ambient temperature. Consult Day-O-Lite for high-ambient conditions. Day-O-Lite reserves the right to change specifications without notice for product improvement.

Rapid Ship Program

- 1.0 All orders must be clearly marked "**RAPID SHIP**". Orders not marked will not qualify for **RS** processing.
- 1.1 Individual products will generally ship in 10 business days from the morning a clean order is received and confirmed.
- 1.2 Continuous linear rows will generally ship 10 business days from the day the order is confirmed and layout drawings are approved.
- 1.3 **RS** Orders received after 12:00 p.m. Eastern Time will ship 10 days from the following business morning.
- 1.4 **RS** Orders received after 12:00 p.m. Eastern Time, or on weekends or holidays will be processed the following business day.
- 1.5 A maximum of 50 units of individual products of the same catalog number are allowed. The maximum quantity of continuous linear product of the same catalog number is 400'.
- 1.6 Standard shipping terms apply. Freight allowed for all orders over \$5,000. Orders subject to credit approval.
- 1.7 Changes or cancellations are not permitted after the order has been acknowledged and released to factory.
- 1.8 Ship dates are generally 10 days. Day-O-Lite is not responsible for elements outside its control, i.e., inclement weather, third party shipping issues or industry wide component shortages.
- 1.9 All Day-O-Lite Terms & Conditions and product Warranty apply to **RS** orders. Terms & Conditions and Warranty available at www.dayolite.com