DAY-O-LITE

Profile Series | PRFL-44-D-WM

Direct

J—BOX (BY OTHERS)

WALL

4 1/2"

3/8"

4"
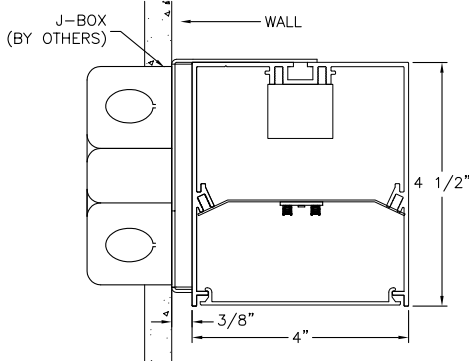
Flush Lens (FL) shown. See page 5 for other lens details.
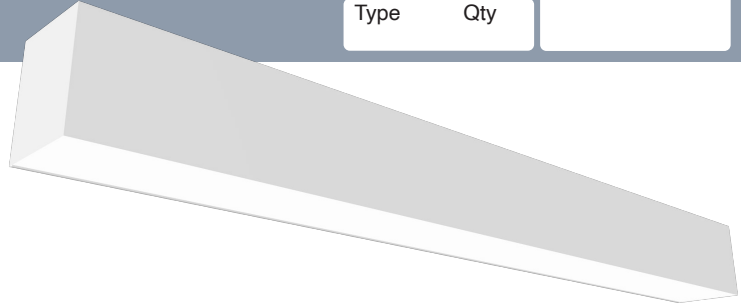
Features

Extruded aluminum housing w/welded end-plates.

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

Suspension mount for individual fixtures, continuous runs or custom patterns.

High efficiency programmable driver for custom lumen packages. 0-10V dimming to 1% standard.

High efficacy LEDs in 80 or 90 CRI; tunable white and tunable colo

Bios SkyBlue™ circadian technology available.

A Declare Red List Approved product.

Note DLC options at bottom of page.

Ordering Guide

MODEL	OPTICS	CCT	LUMENS²	LENGTH⁴	MOUNTING	FINISH	OPTIONS
PRFL-44-D					**WM**		
PRFL-44-D Direct	FL = Flush Opal Acrylic, snap-in **Standard** DL = Drop Opal Acrylic (snap-in) SI = Satin Ice Acrylic (lay-in) SIL = Satin Ice w/ Internal Cross blade Louver (white) Direct Flush Lens shown. See page 5 for Drop and Lay-in Lens details.	**STATIC WHITE¹** 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K **BIOS SkyBlue²** Spectrally optimized circadian solutions. **TUNABLE WHITE³** (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2PSQ = for Lutron 2ESN = for Philips 2CAS = for Casambi **RGB + WHITE³** RGB = RGB RGBW = RGBW **ADVANCED COLOR³** 125mm incremental pixel color control for chases and animated effects.	LO = 600/ft (5W/ft, 120LPW) SO = 800/ft (7W/ft, 118LPW) HO = 1000/ft (9W/ft, 117LPW) Consult factory for custom 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)	WM = Wall Mount	W = White CC = Custom Color AMW = Anti-Microbial White	**DIMMING DRIVERS** DIM10 = 0-10V (1%) - **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™ L3DA3W = Hi-Lume™ 1% 3-Wire **SENSORS & CONTROLS** ESN = Philips™ EasySense DAY = Daylight Harvesting OCC = Occupancy Sensor CAS = Casambi Bluetooth control VDO = Vive Sensor by Lutron AWNR = Athena RF/Node AWNS = Athena Wireless Sensor **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 CCT @ 80+CRI, 3SDCM. For 90CRI add prefix "9"; ex: 935 = 3500K, 90CRI.

² BIOS SkyBlue Biological Static & Dynamic page 3.

³ Tunable White, RGB +White and Advanced Color ordering codes page 2.

⁴ **DLC** options are limited to FL/CA optics, static white 35/40K CCT @ 80CRI, SO lumens, all mounting, all finishes, and all options excluding DIMST.

⁵ See page 4 for actual fixture lengths and mounting locations.

Declare.

made in USA

ETL LISTED Intertek

RoHS

LUTRON 2016 OEM ADVANTAGE ACCOUNT

TUNABLE WHITE - Fixture Level Control

Day-O-Lite offers Tunable White in a range from 2700K-6500K CCT @ 80+CRI and 3SDCM color accuracy for a range of two-channel control options. Consult factory for 90CRI, electrical specifications and other details for each option below.

2ESN Option combines tunable white light with a fixture integrated occupancy and daylight harvesting sensor. CCT and intensity is controlled wirelessly with kinetic switches (by Illumra and others). Occupancy and daylight harvesting controlled automatically with parameters configurable with the Philips MasterConnect app available for Android and iPhone smart phones.

Applications:

- Spaces occupied overnight (~ 7pm to 7am)
- 24-hour spaces
- Shiftwork & Hospitals
- Senior Living, Alzheimer's Dementia & Assisted Living
- Higher Education, including student and staff
- Workplace, including areas occupied after 7pm

Ordering Codes:

2DIM10 = 0-10V
2DMX = DMX
2PSQ = Lutron Quantum
2CAS = Casambi Wireless
2ESN = Philips EasySense Sensor
2AWNR = Lutron Athena RF only
2AWNS = Lutron Athena RF/Sensor

RGB + WHITE - Fixture Level Control

Combine RGB for color effects with LO/SO/HO white CCT's for **general illumination** in a host of applications. All options require DMX control (by others). 80CRI w/3SDCM color accuracy is standard. Consult factory for 90CRI, electrical specifications and other details for each option below. May not be compatible with all fixture variations - consult factory for details when ordering.

Applications:

- Entertainment Spaces
- Hospitality & Banquet
- Theatre & Stage
- Seasonal Applications
- Branding
- Wayfinding

Ordering Codes:

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

ADVANCED COLOR - 125mm Pixel Level Control

Day-O-Lite's Advanced Color options combine RGB or RGBW with multi-pixel control for advanced **chases**, animated **visual effects** and other programmable scenes with **125 mm pixel** granularity. Choose from a vibrant color palette with RGB or RGBW LEDs for seamless color mixing and dimming - the perfect replacement for glass neon with improved reliability and durability.

Requires configuration with a remote proprietary digital drive power supply. Auto-addressing makes setup and commissioning quick and easy. DMX (by others) required for control. May not be compatible with all fixture variations - consult factory for details when ordering.

Applications:

- Architectural Installations
- Digital Signage
- Arcades, Clubs
- Theatre & Stage
- Film & TV sets
- Indoor/Outdoor (IP66)

Ordering Codes:

ACRGB = RGB only
AC27 = RGB w/2700K
AC30 = RGB w/3000K
AC40 = RGB w/4000K

BIOS SkyBlue

BIOS SkyBlue biological technology brings the benefits of blue skies inside. BIOS SkyBlue is the only spectrally optimized circadian solution to pin-point 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.

BIOS Biological Static - Daytime Solution

BIOS Biological Static solutions are designed for daytime applications. BIOS Static Biological LED features key BIOS SkyBlue™ (490nm) for maximum daytime circadian impact. BIOS Static Biological LED Light Engines are available in 3000K, 3500K, and 4000K. Lighting controls are easy; simply switch the lights on/off or the lights can be dimmed using a single-channel constant current (CC) LED driver with any standard dimming interface.
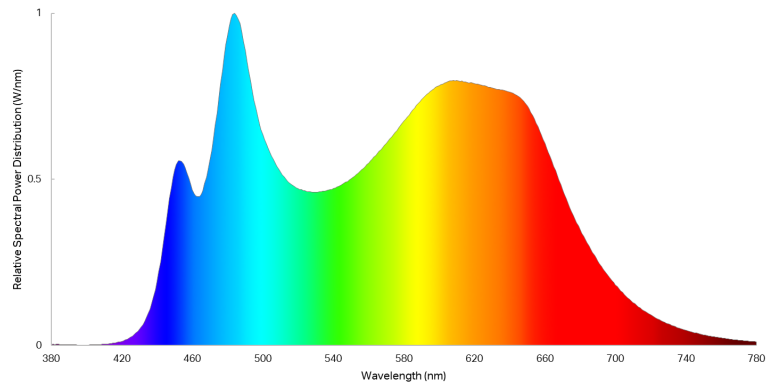
Applications:

- Spaces occupied during the daytime ~7am – 7pm
- K-12 Schools / Higher Education
- Offices
- Daytime Adult Care Facilities
- Medical Offices

BIOS Biological Static
Ordering Codes:

B30 = 3000K
B35 = 3500K
B40 = 4000K

BIOS Biological Static 3500K

BIOS Biological Dynamic - Day & Night Solution **A**

BIOS Biological Dynamic solutions are 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™ altogether, providing a minimal circadian stimulus after hours. Available in 3000K-2700K, 3500K-3000K and 4000K-3500K. Simply dim the lights in the evening to remove the daytime SkyBlue wavelengths (490nm) and convert your lights from day mode to night mode via a single controller (0-10V, ELV, DMX, Wireless).

BIOS Biological Tunable White - Day & Night Solution **B**

BIOS Biological Tunable solutions are designed to transition from daytime to evening in a dim-to-warm protocol. The daytime CCT includes full BIOS SkyBlueTM (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlueTM altogether, providing a minimal circadian stimulus after hours. Available in 3000K-2700K, 3500K-3000K and 4000K-3500K. Simply dim the lights in the evening to remove the daytime SkyBlue wavelengths (490nm) and convert your lights from day mode to night mode via a single controller (0-10V, ELV, DMX, Wireless).

BIOS Biological Tunable is also compatible with two-channel color tuning systems. Simply dim the lights in the evening to convert your lights from day mode to night mode via a multi-channel controller (0-10V, ELV, DMX, Wireless). 3000K, 3500K and 4000K CCTs all dim to 2700K.

Applications:

- Spaces occupied overnight (~ 7pm to 7am)
- 24-hour spaces
- Shiftwork & Hospitals
- Senior Living, Alzheimer's Dementia & Assisted Living
- Higher Education, including student and staff
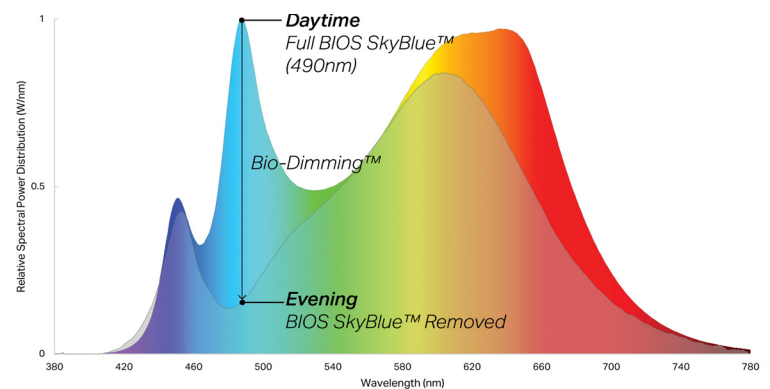- Workplace, including areas occupied after 7pm

BIOS Biological
Dynamic White
Ordering Codes:

B30D = 3000K-2700K
B35D = 3500K-3000K
B40D = 4000K-3500K

BIOS Biological
Tunable White
Ordering Codes:

B30T = 3000K-2700K
B35T = 3500K-2700K
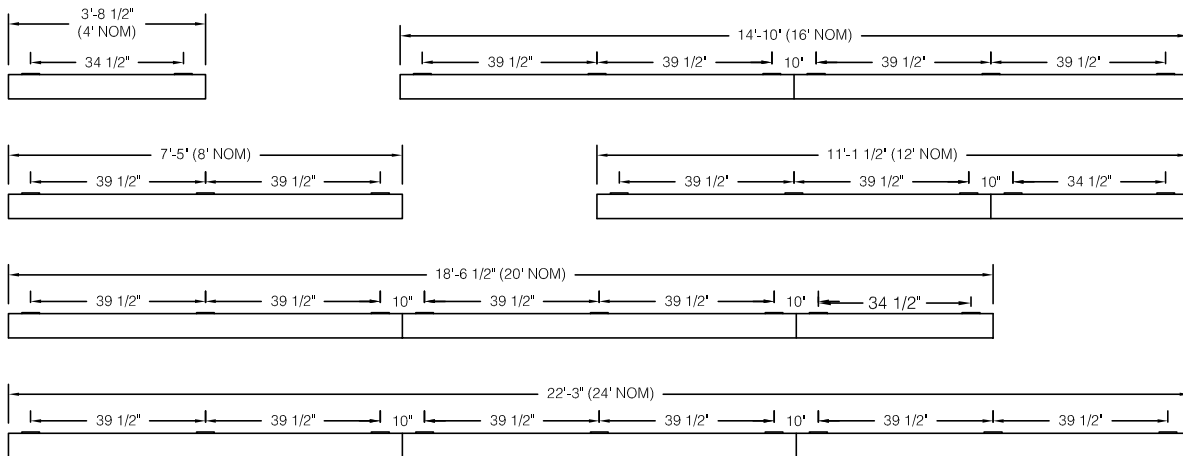**B40T** = 4000K-2700K

BIOS Biological Dynamic 3500K

Daytime
Full BIOS SkyBlue™
(490nm)

Bio-Dimming™

Evening
BIOS SkyBlue™ Removed

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.

3'-8 1/2" (4' NOM) — 34 1/2"

14'-10' (16' NOM) — 39 1/2" — 39 1/2' — 10' — 39 1/2' — 39 1/2'

7'-5' (8' NOM) — 39 1/2" — 39 1/2"

11'-1 1/2' (12' NOM) — 39 1/2' — 39 1/2' — 10" — 34 1/2"

18'-6 1/2" (20' NOM) — 39 1/2" — 39 1/2" — 10" — 39 1/2" — 39 1/2' — 10' — 34 1/2"

22'-3" (24' NOM) — 39 1/2" — 39 1/2" — 10" — 39 1/2" — 39 1/2' — 10' — 39 1/2" — 39 1/2"

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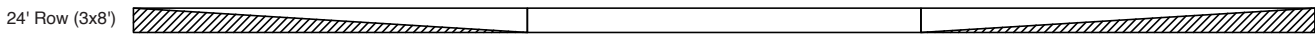
If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.

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.
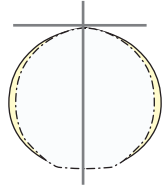
24' Row (3x8')
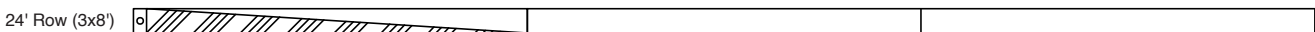
SENSORS for rows by default will control the feed section (end-left) of the row. Sensors can control more than an 8' section within a row. Consult factory for sensor/section options, or for multiple sensors in a continuous row.
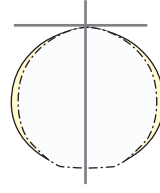
Photometry
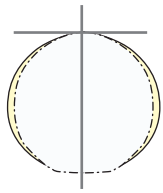
PRFL-24-D-FL-40-LO-4
Flush Lens (FL)

4000K CCT
WATTS: 20
LUMENS: 2400
LPW: 120
Distribution:
100% Direct

PRFL-24-D-FL-40-SO-4
DLC V5.1 Standard

4000K CCT
WATTS: 27
LUMENS: 3200
LPW: 118
Distribution:
100% Direct

PRFL-24-D-FL-40-HO-4
Flush Lens (FL)

4000K CCT
WATTS: 34
LUMENS: 4000
LPW: 117
Distribution:
100% Direct

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 (SI) acrylic regressed, opal acrylic flush (FL) and opal acrylic drop (DL) lenses are 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 and Tunable White and Advanced Color options available.

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 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. DLC V5.1 listed. A Declare Red List Approved product.