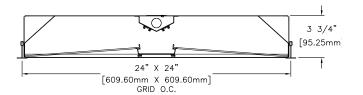
Steel housing, extruded aluminum divider rails w/specular aluminum inserts.

LED optimized optics for smooth even illumination without glare.

For installation in a wide variety of suspended grid ceilings, including Slot Grid and Tegular.

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

High efficacy LEDs in 80 or 90 CRI; two or three channel tunable white; tunable color.



## **Ordering Guide**

| MODEL             | OPTICS   | CCT <sup>1</sup>  | LUMENS⁴  | SIZE     | MOUNTING <sup>5</sup>  | FINISH   | OPTIONS   |
|-------------------|--|---|--|----------|--|--|---|
| HML-A-D           |  |   |  | 24       |  |  |   |
| HML-A-D<br>Direct | SI =Satin Ice<br>Acrylic Lenses<br>(shown)<br>FL = Flat<br>Satin Ice<br>Acrylic Lenses | 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 2DIMX = 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. | VLO = 3800L<br>(30W, 127LPW)<br>LO = 5100L<br>(40W, 127LPW)<br>SO = 6040L<br>(56W, 120LPW)<br>HO = 7550L<br>(70W, 108LPW)<br>VHO = 9435L<br>(88W, 107LPW)<br>Consult factory for additional lumen packages.<br>All values are nominal. | 24 = 2x4 | G = Grid MG = Mini Grid SG = Slot Grid S = Surface F = Flange See all mount- ing options page 2. | 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  EMERGENCY EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery Pack EPC7 = 7W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack |

<sup>&</sup>lt;sup>1</sup> CCT @ 80+CRI, 3SDCM. For 90CRI add prefix "9"; ex: 935 = 3500K, 90CRI.

<sup>5</sup>See page 4 for all mounting options.









<sup>&</sup>lt;sup>2</sup>BIOS SkyBlue Biological Static & Dynamic page 3.

<sup>&</sup>lt;sup>3</sup>Tunable White, RGB +White and Advanced Color ordering codes page 2.

 $<sup>^4\</sup>text{DLC}$  options are limited to FL optics, static white 35/40K CCT @ 80CRI, SO lumens, all mounting, all finishes, and all options excluding DIMST.



### **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

## **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 pinpoint 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.

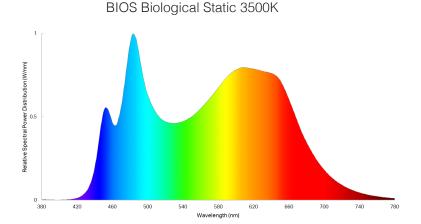
### Applications:

- 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 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:

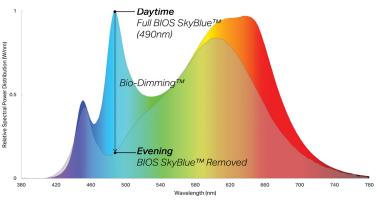
- Spaces occupied overnight (~ 7pm to 7am)
- 24-hour spaces
- Shiftwork & Hospitals
- Senior Living, Alzheimer's Dementia & Assisted Living
- Higher Education, including student and staff
- Workplace, including areas occupied after 7pm

BIOS Biological
Dynamic White
Ordering Codes:

BIOS Biological
Tunable White
Ordering Codes:

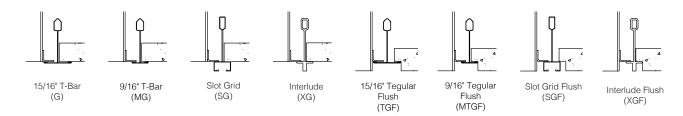
**B30D** = 3000K-2700K **B30T** = 3000K-2700K **B35D** = 3500K-3000K **B35T** = 3500K-2700K **B40D** = 4000K-3500K **B40T** = 4000K-2700K

# 



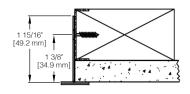
## DAY-O-LITE

## **Mounting Options**



## **Drywall Ceiling**

### Mounting Detail



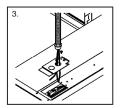
Flange Kit for drywall ceilings available:

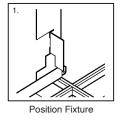
FK-14 for 1x4 FK-22 for 2x2 FK-24 for 2x4 FK-44 for 4x4

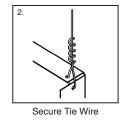
## **Grid Ceiling**

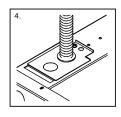
Five-step Universal Installation Sequence

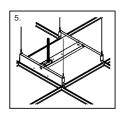
Complete Installation Instructions for grid and drywall ceiling types are available at: www.dayolite.com











## **Photometry**

### HML-A-D-SI-40-VLO-24

CCT: 4000K WATTS: 30 LUMENS: 3800 LPW: 127 Distribution: 100% Direct

## HML-A-D-DP-SI-LO-24

CCT: 4000K WATTS: 40 LUMENS: 5100 LPW: 127 LPW

## HML-A-D-SI-40-SO-24

CCT: 4000K WATTS: 56 LUMENS: 6040 LPW: 120 Distribution: 100% Direct

## HML-A-D-SI-40-HO-24

CCT: 4000K WATTS: 70 LUMENS: 7550 LPW: 108

### HML-A-D-SI-40-VHO-24

CCT: 4000K WATTS: 88 LUMENS: 9435 LPW: 107 Distribution: 100% Direct

## **Specifications**

CONSTRUCTION: 20 gauge CRS housing and internal components. Extruded Aluminum divider rails with specular aluminum inserts.

REFLECTOR: 20 gauge CRS finished in highly reflective baked white enamel with pre-finished reflective LED tray.

OPTICS: LED optimized Satin Ice (SI) acrylic lay-in lenses.

**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. BIOS SkyBlue, RGB, RGBW and Tunable White 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:** Standard installation is in an exposed inverted T-bar ceiling. Fixtures are supplied with four support brackets for additional support to T-bar. May also be installed in a plaster ceiling (F/TRL mounting option with Flange).

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.

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