



# New Age Series | NASL-2062 2x2

Date	Notes
Project	
Type	Qty

## Features

**DLC** V5.1 Standard Listed up to 128 LPW.

"Zero Plenum" design to fit within grid T-Bars.

Installs in a variety of suspended grid ceilings, including Slot Grid and Tegular.

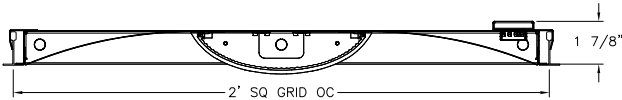
High efficiency driver for custom lumen packages.

0-10V dimming to 1% standard or Dim-to-Off.

Options for 90CRI, Tunable White, RGB, RGBW, and RGBWW.

Bios SkyBlue™ circadian solutions available.

**Declare** Red List Approved.



## Ordering Guide

**RAPIDSHIP** >> **Declare.**

BAA & BABA COMPLIANT



MODEL	OPTICS	CCT	LUMENS	SIZE	MOUNTING <sup>5</sup>	FINISH	OPTIONS
<b>NASL-2062-D</b>	<b>WOA</b>			<b>22</b>			
NASL-2062-D Direct	WOA = White Opal Acrylic	<p><b>STATIC WHITE<sup>1</sup></b>            27 = 2700K            30 = 3000K            35 = 3500K            40 = 4000K            50 = 5000K</p> <p><b>BIOS SkyBlue<sup>2</sup></b>            Spectrally optimized circadian solutions.</p> <p><b>TUNABLE WHITE<sup>3</sup></b>            (2700K-6500K)            2DIM10 = for 0-10V            2DMX = for DMX            2ESN = for Philips            2CAS = for Casambi</p> <p><b>DIM-TO-WARM</b>            (2700K-6500K)            DTW = Dim-to-Warm</p> <p><b>RGB &amp; WHITE<sup>3</sup></b>            RGB = RGB            RGBW = RGBW            RGBWW = RGBWW</p>	<p><b>STANDARD</b>            LO = 2550            (21W, 121LPW)</p> <p>SO = 3400            (27W, 121LPW)</p> <p>HO = 4200            (35W, 118LPW)</p> <p><b>CUSTOM</b>            For custom lumens please specify any value &lt; HO.</p> <p><b>DLC LUMENS<sup>4</sup></b>            V5.1 Standard</p> <p>3500K            S3D = 3274            (26W, 126LPW)</p> <p>@4000K            S4D = 3392            (26W, 128LPW)</p>	22 = 2x2	<p>G = Grid            15/16" T-Bar</p> <p>MG =            Mini Grid            9/16" T-Bar</p> <p>SG =            Slot Grid</p> <p>SGF =            Slot Grid Flush</p> <p>XG =            Interlude</p> <p>XGF =            Interlude Flush</p> <p>TGF =            Tegular Flush            15/16" T-Bar</p> <p>XGF =            Tegular Flush            9/16" T-Bar</p> <p>S = Surface            F = Flange</p> <p>See all mounting options page 4.</p>	<p>W = White</p> <p>CC = Custom Color</p> <p>AMW =            Anti-Microbial White</p>	<p><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</p> <p><b>LUTRON™ DIMMING DRIVERS</b>            LDE1 = Hi-Lume™ 1% EcoSystem™            L3DA3W = Hi-Lume™ 1% 3-Wire</p> <p><b>EMERGENCY &amp; OTHER</b>            EMC = Emergency Circuit            EPC4 = 4W Emergency Battery Pack            EPC6 = 6.5W Emergency Battery Pack            EPC10 = 10W Emergency Battery Pack            EPC12 = 12W Emergency Battery Pack            FWH = Flexible Whip Harness            CAS = Casambi Wireless Control</p>

**DDLC:** DLC options are limited to SI Optics, 35/40K CCT @ 80CRI, SO lumens, all mounting, all finishes, and all options excluding DIMST.

<sup>1</sup>Tunable white, tunable color and RGB/W options detailed on page 3.

<sup>2</sup>Delivered Lumens are Standard Output (SO) and Low Output (LO) at 80+CRI 4000K CCT. Use the following multiplier to estimate delivered lumens at other CCTs: 2700K = 0.94, 3000K = 0.96, 3500K = 0.98, 5000K = 1.02. All values nominal. See page 2 for photometry.

<sup>3</sup>See page 2 for ceiling mounting options and full specifications.

## 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](http://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.

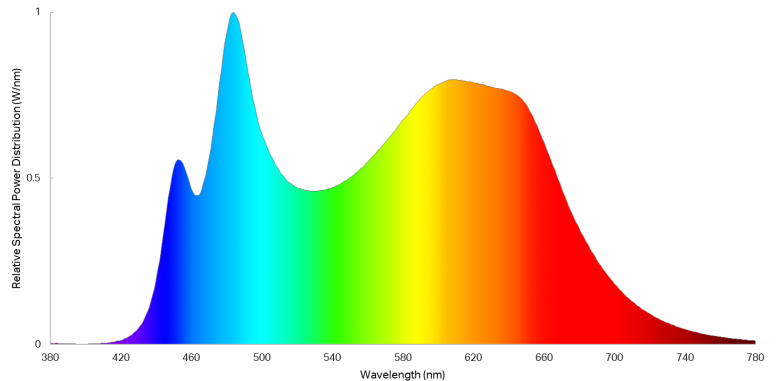
Applications:

- 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 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 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

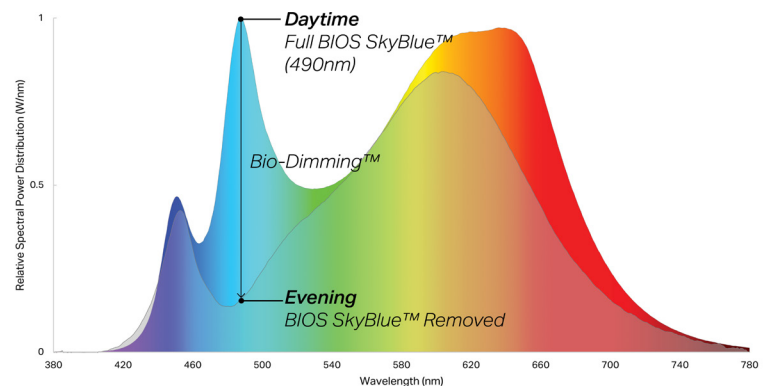
BIOS Biological  
Dynamic White  
Ordering Codes:

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

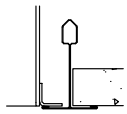
BIOS Biological  
Tunable White  
Ordering Codes:

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

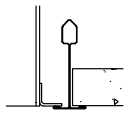
BIOS Biological Dynamic 3500K



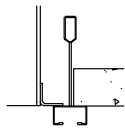
### Grid Ceiling Mounting Options



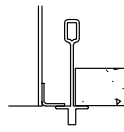
15/16" T-Bar  
(G)



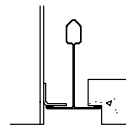
9/16" T-Bar  
(MG)



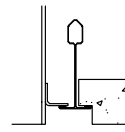
Slot Grid  
(SG)



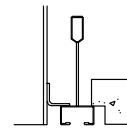
Interlude  
(XG)



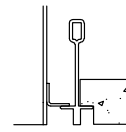
15/16" Tegular  
Flush  
(TGF)



9/16" Tegular  
Flush  
(MTGF)



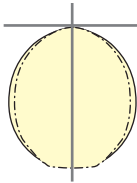
Slot Grid Flush  
(SGF)



Interlude Flush  
(XGF)

### Additional Mounting Options

### Photometry



**NASL-2062-D-WOA-40-LO-22**  
**CCT: 4000K**  
**WATTS: 21**  
**LUMENS: 2550**  
**LPW: 121**

**NASL-2062-D-WOA-40-SO-22**  
**CCT: 4000K**  
**WATTS: 28**  
**LUMENS: 3400**  
**LPW: 121**

**NASL-2062-D-WOA-40-HO-22**  
**CCT: 4000K**  
**WATTS: 28**  
**LUMENS: 3400**  
**LPW: 121**

**NASL-2062-D-WOA-S3D-SO-22**  
**DLC V5.1 Standard**  
**CCT: 3500K**  
**WATTS: 27**  
**LUMENS: 3274**  
**LPW: 126**

**NASL-2062-D-WOA-40-S4D-22**  
**DLC V5.1 Standard**  
**CCT: 4000K**  
**WATTS: 27**  
**LUMENS: 3392**  
**LPW: 128**

## Specifications

**CONSTRUCTION:** 20 gauge CRS housing and internal components.

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

**OPTICS:** LED optimized white opal acrylic (WOA) snap-in lens.

**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, RGBWW. Tunable White and Dim-to-Warm options available.

**DRIVER:** Standard driver is Class 2 AOC 0-10V to 1%, Dim-to-Off available. 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 ceilings with flange (F), surface (S) mounted, or may be retrofitted with optional flange kit.

**FINISH:** Housing and components finished in baked white enamel.

**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. 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.

**WEIGHT:** Nominal fixture weight XX lbs.