



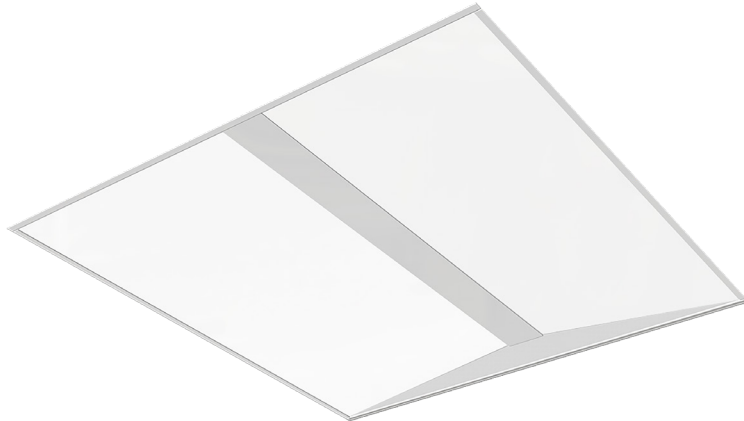
# Harmony II Series | HML-2 2x2

Date	Notes
Project	
Type	Qty

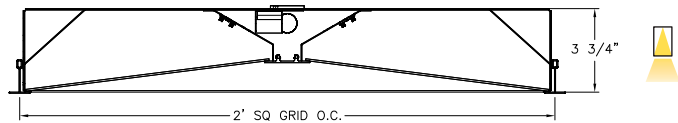
## Features

- Unique design appropriate for any modern interior.
- 3 3/4" low profile housing fits shallow plenum spaces.
- LED optimized optics for smooth, even illumination.
- High efficiency driver for custom lumen packages.
- 0-10V dimming to 1% standard or Dim-to-Off.
- DMX, Lutron and DALI protocols also available.
- Sensor Ready for wireless Smart Lighting Solutions.
- Options for 90CRI, Tunable White, RGB, RGBW and RGBWW.
- Bios SkyBlue™ circadian solutions available.

**Declare** Red List Approved.



Sky Panel Optics page 5.



## Ordering Guide



MODEL	OPTICS	LED <sup>1</sup>	LUMENS <sup>2</sup>	LENGTH	MOUNTING <sup>3</sup>	FINISH	OPTIONS
HML-2-D				22			
HML-2-D Direct	<b>STANDARD</b> SI =Satin Ice Acrylic Lenses  <b>SKY PANELS</b> See page 5 for all options and ordering codes.	<b>STATIC WHITE</b> 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K  <b>BIOS SkyBlue</b> Spectrally optimized circadian solutions.  <b>TUNABLE WHITE</b> (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron  <b>DIM-TO-WARM</b> (2700K-6500K) DTW = Dim-to-Warm  <b>RGB + WHITE</b> RGB = RGB RGBW = RGBW RGBWW = RGBWW	<b>STANDARD</b> LO = 2566 (20W, 128LPW)  SO = 3440 (27W, 128LPW)  HO = 4200 (33W, 127LPW)  <b>CUSTOM</b> For custom lumens please specify any value < HO.	22 = 2x2	G = Grid 15/16" T-Bar  MG = Mini Grid 9/16" T-Bar  SG = Slot Grid  SGF = Slot Grid Flush  XG = Interlude  XGF = Interlude Flush  TGF = Tegular Flush 15/16" T-Bar  XGF = Tegular Flush 9/16" T-Bar  S = Surface F = Flange	W = White  CC = Custom Color  AMW = Anti-Microbial White	<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  <b>LUTRON™ DIMMING DRIVERS</b> LDE1 = Hi-Lume™ 1% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire  <b>SENSORS &amp; CONTROLS<sup>4</sup></b> ESN = EasySense Sensor AWNS = Lutron Athena Sensor AWNR = Lutron Athena Node CAS = Casambi Wireless Control  <b>EMERGENCY<sup>5</sup></b> EMC = Emergency Circuit EPC4 = 4W Emergency Battery Pack EPC7 = 6.5W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack  <b>WIRING &amp; OTHER</b> EMC = Emergency Circuit GTD = Generator Transfer Device FWH = Flexible Wiring Harness DWH = DMX Wiring Harness FK22 = Flange Kit (Plaster Ceiling)

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

<sup>2</sup>Lumens at 80CRI, 4000K, SI lens. Photometry page 3. Custom lumens may be specified at an level below HO.

<sup>3</sup>See page 3 for mounting option details.

<sup>4</sup>All Sensor & Control options page 2.

<sup>5</sup>EPC6 is standard unless otherwise specified. EPC not for DMX drivers.

**BAA** letter of compliance available at [www.dayolite.com](http://www.dayolite.com). Please consult factory for **BABAA** requests.

**RS** 10 Day Rapid Ship options in green. Details page 5.

**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 White<sup>1</sup>**  
(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-Warm<sup>2</sup>**

DTW = 6500K-2700K 80 CRI  
 9DTW = 5000K-3000K 90 CRI

**RGB/W<sup>3</sup>**

(80 CRI, Consult factory for 90 CRI)

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

**Single Color<sup>4</sup>**

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 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. 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 a 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 a 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)  
 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  
 WVW = 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).

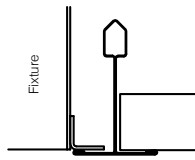
<sup>1</sup>Tunable white may be controlled by a number of dimming protocols as shown. The 2ESN Philips EasySense option includes daylight and occupancy sensing plus tunable white control through wireless switches (by others; i.e. Philips, Illumra).

<sup>2</sup>Dim-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.

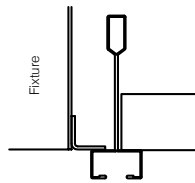
<sup>3</sup>All RGB, RGBW and RGBWW options for DMX control (by others).

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

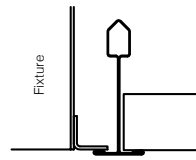
### Grid Ceiling Mounting Options



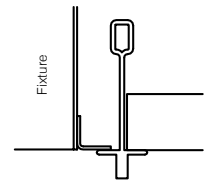
**G**  
15/16" T-Bar



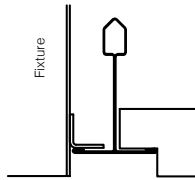
**MG**  
9/16" T-Bar



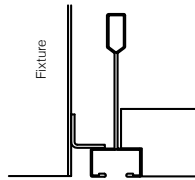
**SG**  
Slot Grid



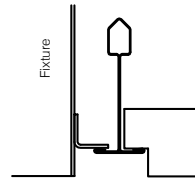
**XG**  
Interlude



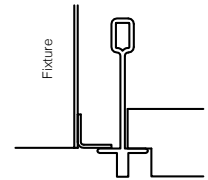
**TGF**  
15/16" Tegular  
Flush



**MTGF**  
9/16" Tegular  
Flush



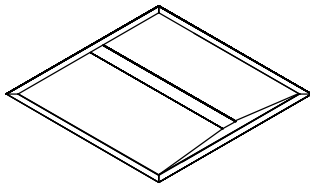
**SGF**  
Slot Grid  
Flush



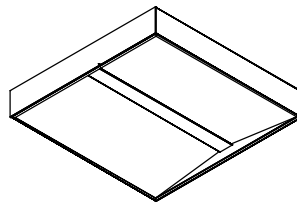
**XGF**  
Interlude  
Flush

### Additional Mounting Options

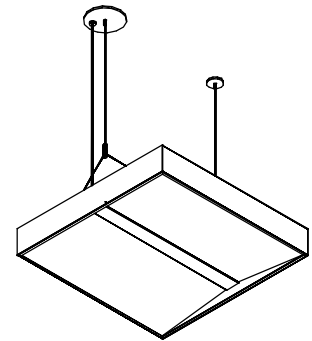
In addition to recessed mounting in grid ceilings Harmony may also be installed in plaster and sheetrock ceilings, surface mounted to ceilings, or suspended. Surface and suspended options are supplied with a finished exterior housing.



**F**  
Flanged Housing  
(plaster ceilings)



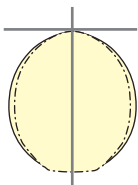
**S**  
Surface Ceiling mount  
w/finished housing



**ACY**  
Suspended Aircraft  
Cable (1/16" dia., 48"L)

**FK22** Flange Kit for grid to plaster ceiling conversion

### Photometry



HML-2-D-SI-40-**LO**-22

CCT: 4000K  
WATTS: 20  
LUMENS: 2566  
LPW: 128  
Distribution:  
100% Direct

HML-2-D-SI-40-**SO**-22

CCT: 4000K  
WATTS: 27  
LUMENS: 3440  
LPW: 127  
Distribution:  
100% Direct

HML-2-D-SI-40-**HO**-22

CCT: 4000K  
WATTS: 33  
LUMENS: 4200  
LPW: 127  
Distribution:  
100% Direct

40000K @ 80CRI, 4', SI lens.

Use the following multipliers for other CCTs: 2700K x 0.94, 3000K x 0.96, 3500K x 0.98, 5000K x 1.02. IES files @ [www.dayolite.com](http://www.dayolite.com)

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## 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, 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 ceiling (F/TRL mounting option with Flange); field replaceable.

**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 and BAA compliant. 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.

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## Rapid Ship Program

Rapid Ship products are estimated to ship 10 business days or less from the morning the order is received and confirmed. Linear rows will ship 10 business days or less from the day the layout drawings are approved. Orders confirmed and layouts approved after 12:00 p.m. Eastern Time are estimated to ship 10 days or less from the following business morning. All incoming orders must be clearly marked Rapid Ship. Please refer to complete program Terms & Conditions (page 4) for details and restrictions.

Rapid Ship options are limited to those highlighted in green on the Ordering Guide. 400' max individual or continuous row allowed. Consult factory for additional information.

## Sky Panel Optics

Use desired ordering codes below. Sizes shown are 2x4. Panels for 1x2, 2x2 and 1x4 are cut from the same lens and may differ. Consult factory for additional options and information. Photometric performance will vary by lens and cut. Assume at least 30% fewer lumens than LO, SO and HO lumens shown in the ordering guide. For best performance, blue sky and white clouds use 4000K CCT or above.



**AZ** = Arizona Sky



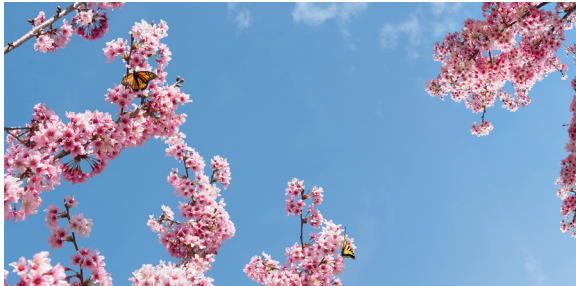
**CA1** = California Sky



**CA2** = California Sky



**LG** = Laguna Sky



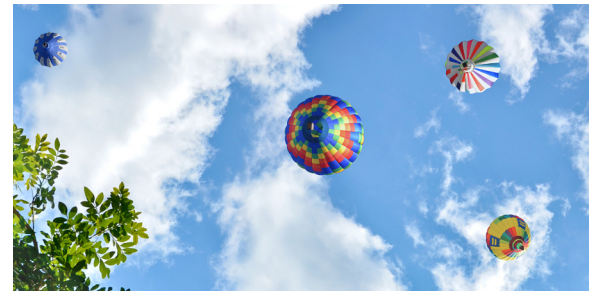
**CB** = Cherry Blossoms



**PS** = Purple Splash



**ST** = Sun & Trees



**BF** = Balloon Fest