Date		Notes
Project		
Type	**Qty**	

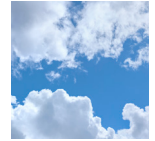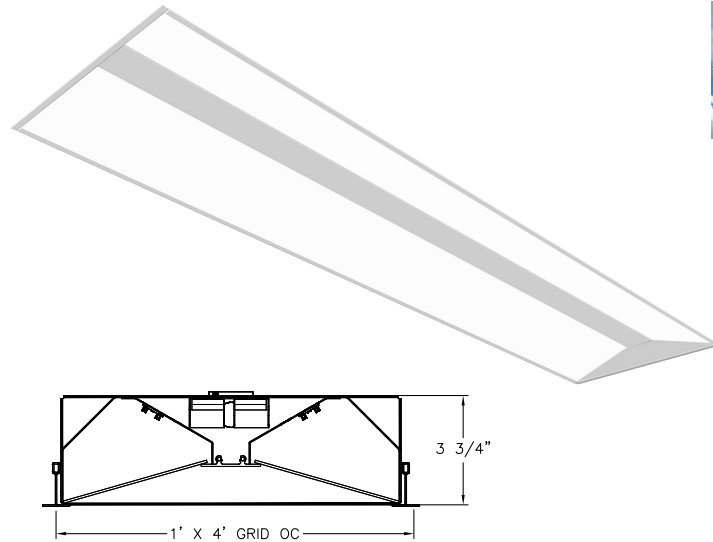## Features

Unique design appropriate for any modern interior.

3 3/4" low profile housing fits shallow plenum spaces.

LED optimized optics for smooth, efficient illumination.

Programmable 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.

80/90CRI, Tunable White, RGBW & RGBWW.

Bios SkyBlue™ circadian solutions available.

Compatible with Armstrong® ceiling systems.

Declare Red List Approved.

Sky Panel Optics
page 4.

3 3/4"

1' X 4' GRID OC

Ordering Guide

RS Declare. BAA · made in USA · ETL · CSA

MODEL	OPTICS	LED[1]	LUMENS[2]	LENGTH	MOUNTING[3]	FINISH	OPTIONS
HML-2-D				**14**			
HML-2-D Direct	**STANDARD** **SI** =Satin Ice Acrylic Lenses **SKY PANELS** See page 5 for all options and ordering codes.	**STATIC WHITE** 27 = 2700K **30** = 3000K **35** = 3500K **40** = 4000K 50 = 5000K **BIOS SkyBlue** Spectrally optimized circadian solutions. **TUNABLE WHITE** (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron **DIM-TO-WARM** (2700K-6500K) DTW = Dim-to-Warm **RGB + WHITE** RGB = RGB RGBW = RGBW RGBWW = RGBWW	**STANDARD** **LO** = 4728 (40W, 118LPW) **SO** = 6335 (54W, 117LPW) **HO** = 7792 (70W, 110LPW) **CUSTOM** Specify value < HO.	14 = 1x4	**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	**DIMMING DRIVERS** **DIM10** = 0-10V (1%) **Standard** 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 **LUTRON™ DIMMING DRIVERS** **LDE1** = Hi-Lume™ 1% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire **SENSORS & CONTROLS[4]** ESN = EasySense Sensor AWNS = Lutron Athena Sensor AWNR = Lutron Athena Node CAS = Casambi Wireless Control **EMERGENCY[5]** 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 FK14 = Flange Kit (Plaster Ceiling)

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

[2]Lumens at 80CRI, 4000K, SI lens. Photometry page 3.

[3]See page 3 for mounting option details.

[4]All Sensor & Control options page 2.

[5]EPC6 is standard unless otherwise specified. EPC not for DMX drivers.

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

RS 10 Day Rapid Ship options in **blue**. Details page 4.

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[1]
(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[2]

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

RGB/W[3]

(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[4]

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 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
WVL = 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).

Other Options

Other sensor and wireless control options are available. Contact factory for details.
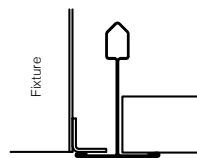
[1]Tunable white may be controlled by a number of dimming protocols as shown.

[2]Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K to 2700K as light levels are dimmed.
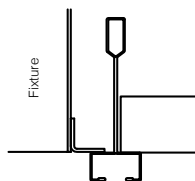
[3]All RGB, RGBW and RGBWW options for DMX control (by others).

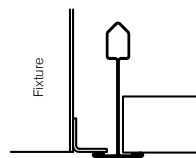[4]Single colors are constant voltage LEDs. Dimming requires ELV controller (by others).
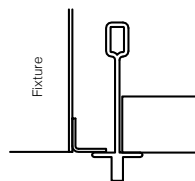
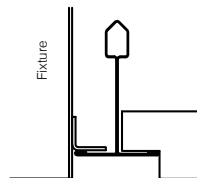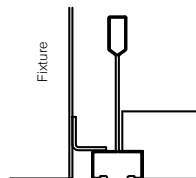## Grid Ceiling Mounting Options

G
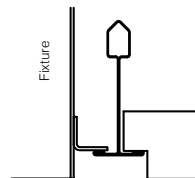15/16" T-Bar

SG
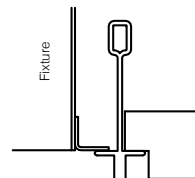Slot Grid

MG
9/16" T-Bar

XG
Interlude

TGF
15/16" Tegular
Flush

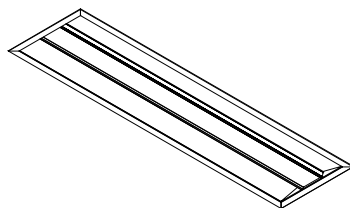**SGF**
Slot Grid
Flush

MTGF
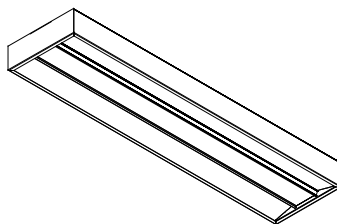9/16" Tegular
Flush

XGF
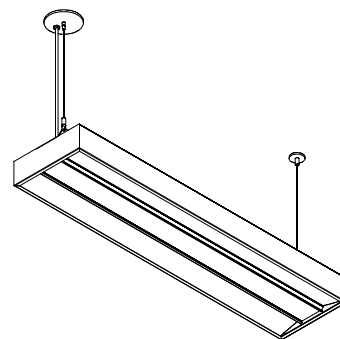Interlude
Flush

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.
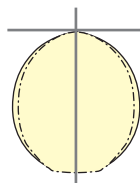
F
Flanged Housing
(plaster ceilings)

S
Surface Ceiling mount
w/finished housing

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

FK14 Flange Kit for grid to plaster ceiling conversion

Photometry

HML-2-D-SI-40-**LO**-14

CCT: 4000K
WATTS: 40
LUMENS: 4728
LPW: 118

HML-2-D-SI-40-**SO**-14

CCT: 4000K
WATTS: 54
LUMENS: 6335
LPW: 117

HML-2-D-SI-40-**HO**-14

CCT: 4000K
WATTS: 70
LUMENS: 7700
LPW: 110

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

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 Satin Ice acrylic lay-in lenses.

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. 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., 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.

RS 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. Please refer to complete program Terms & Conditions at www.dayolite.com.
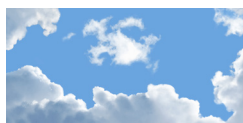
Rapid Ship options are limited to those highlighted in **blue** on the Ordering Guide. 400' max individual or continuous row allowed. Consult factory for additional information.

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, and will be lower than published on page one of this specification sheet. For best performance, blue sky and white clouds use 3500K or higher CCT.
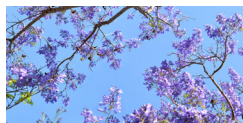

AZ = Arizona Sky

CA1 = California Sky

CA2 = California Sky

LG = Laguna Sky

CB = Cherry Blossoms

PS = Purple Splash

ST = Sun & Trees

BF = Balloon Fest