



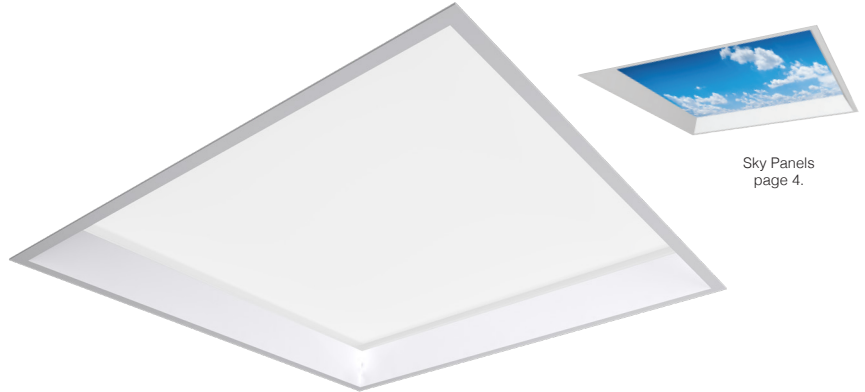
# Skylite Series | SKLL 2X2

|         |     |       |
|---------|-----|-------|
| Date    |     | Notes |
| Project |     |       |
| Type    | Qty |       |

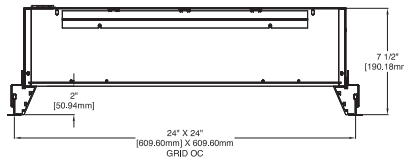
## Features

- Aluminum trim regresses lens 2" into housing.
- 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.
- Decorative Sky Panel lenses available.

**Declare** Red List Approved.



Sky Panels  
page 4.



## Ordering Guide



| MODEL             | OPTICS   | CCT <sup>1</sup>  | LUMENS <sup>2</sup>  | SIZE     | MOUNTING <sup>3</sup>   | FINISH  | OPTIONS   |
|-------------------|--|---|--|----------|---|---|---|
| <b>SKLL1-D</b>    | <b>SI</b>  |   |  |          |   |   |   |
| SKLL1-D<br>Direct | <b>STANDARD</b><br>SI =Satin Ice<br>Acrylic Lens<br><br><b>SKY PANELS</b><br>See page 4 for<br>options and<br>ordering code. | <b>STATIC WHITE</b><br>27 = 2700K<br>30 = 3000K<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K<br><br><b>BIOS SkyBlue</b><br>Spectrally optimized<br>circadian solutions.<br><br><b>TUNABLE WHITE</b><br>(2700K-6500K)<br>2DIM10 = for 0-10V<br>2DMX = for DMX<br>2ESN = for Philips<br>2CAS = for Casambi<br>2LUT = for Lutron<br><br><b>DIM-TO-WARM</b><br>(2700K-6500K)<br>DTW = Dim-to-Warm<br><br><b>RGB + WHITE</b><br>RGB = RGB<br>RGBW = RGBW<br>RGBWW = RGBWW | <b>LUMENS</b><br><br>LO = 3541<br>(32W, 118LPW)<br><br>SO = 4716<br>(42W, 117LPW)<br><br>HO = 5868<br>(53W, 113LPW)<br><br><b>CUSTOM</b><br>For custom<br>lumens specify<br>value < HO | 22 = 2x2 | G = Grid<br>15/16" T-Bar<br><br>SG =<br>Slot Grid<br><br>MG =<br>Mini Grid<br>9/16" T-Bar<br><br>XG =<br>Interlude<br><br>S = Surface<br><br>F = Flange | W = White<br><br>CC = Custom<br>Color<br><br>AMW =<br>Anti-Microbial<br>White | <b>DIMMING DRIVERS</b><br>DIM10 = 0-10V (1%) Standard<br>DTO = 0-10V (Dim-to-Off)<br>DIMST = 0-10V Step Dimming<br>DIMSR = DALI Sensor Ready (5.0%)<br>DALI = DALI (5.0%)<br>DMX = DMX<br><br><b>LUTRON™ DIMMING DRIVERS</b><br>LDE1 = Hi-Lume 1% EcoSystem<br>LD2 = Digital 1% (DALI-2)<br>L3DA3W = Hi-Lume 1% 3-Wire<br><br><b>SENSORS &amp; CONTROLS<sup>4</sup></b><br>AVO = Avi-On Sensor<br>AWNS = Lutron Athena Sensor<br>ESN = EasySense Sensor<br>CAS = Casambi Wireless Control<br><br><b>EMERGENCY<sup>5</sup></b><br>EMC = Emergency Circuit<br>GTD = Generator Transfer Device<br>EPC4 = 4W Emergency Battery<br>EPC6 = 6.5W Emergency Battery<br>EPC10 = 10W Emergency Battery<br>EPC12 = 12W Emergency Battery<br><br><b>WIRING</b><br>FWH = Flexible Wiring Harness |

<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.

<sup>3</sup>See page 3 for all mounting options.

<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).

**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 = 6500K-2700K 90 CRI

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

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**

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 target 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 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 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  
 WWL = Cooper WaveLinX Occ/Day

**Wireless Control\***

CAS = Casambi

\*Sensors for remote mount only.

Sensors and control options to be commissioned wirelessly in the field by qualified controls personnel with applicable apps (by others).

**Other Options**

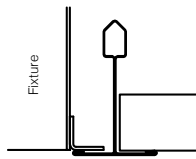
Other sensor and wireless control options are available. Contact factory for details.

<sup>1</sup>Tunable white may be controlled by a number of dimming protocols as shown.

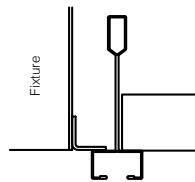
<sup>2</sup>Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K to 2700K as light levels are dimmed.

<sup>3</sup>All RGB, RGBW and RGBWW options for DMX control (by others). 80 CRI standard.

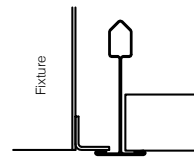
## Mounting Options



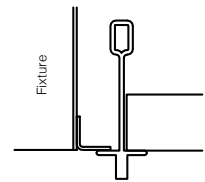
**G**  
15/16" T-Bar



**SG**  
Slot Grid



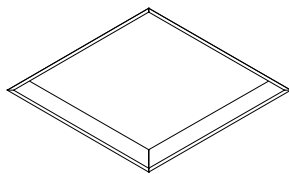
**MG**  
9/16" T-Bar



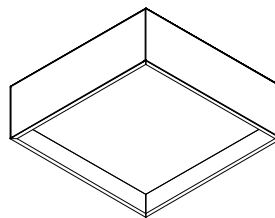
**XG**  
Interlude

## Additional Mounting Options

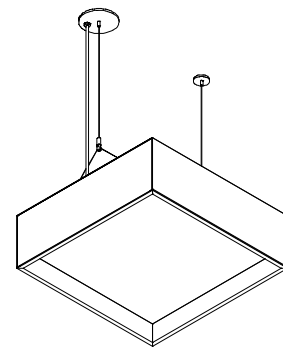
In addition to recessed mounting in grid ceilings Harmony may also be installed in plaster and sheetrock ceilings, surface mounted to ceilings, or suspended. Surface and suspended options are supplied with a finished exterior housing.



**F**  
Flanged Housing  
(plaster ceilings)



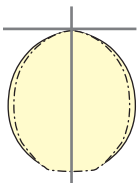
**S**  
Surface Ceiling mount  
w/finished housing



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

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

## Photometry



SKLL-A-D-SI-40-**LO**-22  
CCT: 4000K  
WATTS: 30  
LUMENS: 3541  
LPW: 118

SKLL-A-D-SI-40-**SO**-22  
CCT: 4000K  
WATTS: 40  
LUMENS: 4716  
LPW: 117

SKLL-A-D-SI-40-**HO**-22  
CCT: 4000K  
WATTS: 52  
LUMENS: 5868  
LPW: 113

4000K @ 80CRI, SI lens. DLC @ 3500K & 400K.

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)

## Specifications

**CONSTRUCTION:** 20 gauge CRS Steel housing w/extruded aluminum trim.

**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).

**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 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. Actual product performance may differ due to end user environment, application and installation. Luminaires have been tested at 25° C ambient temperature. Consult Day-O-Lite for high-ambient conditions. Day-O-Lite reserves the right to change specifications without notice for product improvement.

## 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 5000K CCT is recommended.



**SB** = Santa Barbara Sky



**AZ** = Arizona Sky



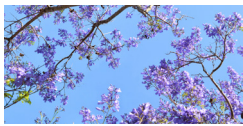
**CA** = California Sky



**LG** = Laguna Sky



**CB** = Cherry Blossoms



**PS** = Purple Splash



**ST** = Sun & Trees



**BF** = Balloon Fest