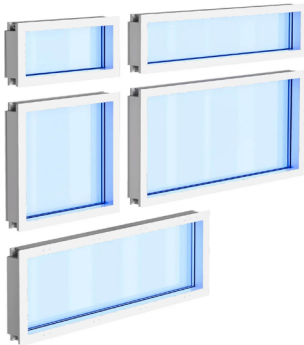


Circadian Sky®

OVERVIEW - SPECIFICATION SHEET

DATEPROJECTSPECIFIERTYPE




DESCRIPTION

The Circadian Sky light fixture is the epitome of modern elegance and advanced technology. Inspired by the beauty of a double-pane window, it's versatile across multiple sizes, seamlessly integrating into any space. Its broad CCT range from 2,200K to 40,000K captures the full range of natural daylight. Beyond aesthetics, its impressive CRI over 92 and 1-Step Macadams Step digital calibration ensures unmatched color accuracy, making every shade come alive with precision. Further enhancing its credentials is its capability to emit light with Melanopic Ratios above 1.6, promoting well-being by aligning with our natural circadian rhythms.

With Circadian Sky, experience the fusion of style, health, and true color brilliance.

FIXTURE LISTINGS & CERTIFICATIONS



MODEL	SIZE	MOUNTING KIT	POWER SUPPLY	LIGHTING CONTROL	PROGRAMMING CODE	TRIM OPTIONS
CS-						
CIRCADIAN SKY	12 1X2 FT 22 2X2 FT 14 1X4 FT 24 2X4 FT 154 1.5X4 FT C1 OTHER	US UNISTRUT 1 GC GRID CLIPS JB JOIST BRACKETS C2 CUSTOM	INT INTEGRAL C4 CUSTOM	CSB CASAMBI DT DALI-2 DT8 DMX 2-CHANNEL DMX 10V1C 0-10V 1-CHANNEL DIM-2-WARM 10V2C 0-10V 2-CHANNEL DIM & CCT C5 OTHER	PXXXX GET PROGRAMMING CODE P0000 DIMMER ONLY P0002 DEFAULT PROGRAMMING	BH BEHAVIORAL HEALTH WH WHITE STANDARD C3 CUSTOM TRIM FINISH 23

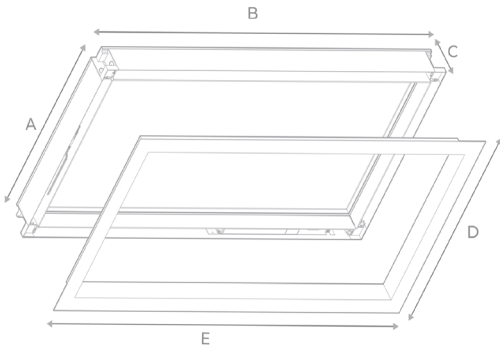
EXAMPLE: CS-154-US-INT-CSB-P0002-C3

¹ SUPPLIED BY CUSTOMER

² FIELD-PAINTABLE

³ CONTACT INNERSCENE FOR ANTI-MICROBIAL FINISH

DIMENSIONS & WEIGHT DETAILS



	1x2'	2x2'	1x4'	2x4'	1.5x4'
HOUSING/CUT-OUT LENGTH (A)	11-1/4"	23-1/4"	11-1/4"	23-1/4"	17-1/4"
HOUSING/CUT-OUT WIDTH (B)	23-1/4"	23-1/4"	46-7/8"	46-7/8"	46-7/8"
DEPTH (C)	3-5/6"	3-5/6"	3-5/6"	3-5/6"	3-5/6"
TRIM LENGTH (D)	11-3/4"	23-3/4"	11-3/4"	23-3/4"	17-3/4"
TRIM WIDTH (E)	23-3/4"	23-3/4"	47-3/4"	47-3/4"	47-3/4"
EFFICACY	55 lm/W	65 lm/W	64 lm/W	80 lm/W	63 lm/W
WEIGHT (LBS)	7.3	24	25.1	43.7	33.7
SHIPPING WEIGHT (LBS)	13.2	34.8	34.4	55.1	44.7
SHIPPING DIMENSIONS	30" x 18" x 9"	30" x 30" x 9"	53" x 18" x 9"	53" x 29" x9"	-

SPECIFICATIONS

CRI	91 - 97	MOUNTING ACCESSORIES	GRID CLIPS KIT, JOIST MOUNTING KIT - OPTIONAL
R9	84 - 98	PERCEPTIBLE FLICKER	NO PERCEPTIBLE FLICKER, MEETS WELL V2 FEATURE 8 REQUIREMENTS
DUV	<= 0.003 DUV(ALL CCTs)	CAMERA FLICKER	40KHZ PWM DIMING ENSURES NO FLICKER EVEN ON MOBILE PHONE CAMERAS
SDCM	1 MACADAM ELLIPSE STEP	GLARE	MEETS WELLV2 GLARE REQUIREMENTS
DIMMING	1-100 DIMMING RANGE	RATED LIFE	L70 100,000 HOURS
OPERATING VOLTAGE	110~277VAC 50~60HZ DC-COMPATIBLE	ENVIRONMENTAL RATING	IP20 STANDARD
POWER SUPPLY	INTEGRAL TO FIXTURE, 24VDC OUTPUT	STANDARDS	TÜV CERTIFIED, ADHERES TO UL 1598 STANDARDS
OPERATING ENVIRONMENT	0°F ~ +104°F, 30-70% RH, NON-CONDENSING	WARRANTY	5 YEARS
INSULATION CONTACT	IC-RATED		
COLOR TEMPERATURE	TUNABLE 2,200K TO 40,000K		
POWER FACTOR	>= 0.97		

INNERSCENE

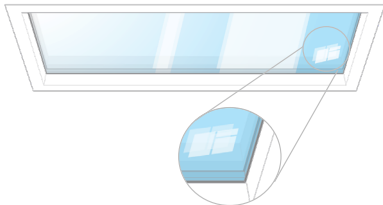
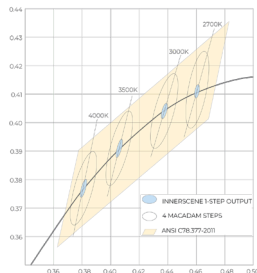


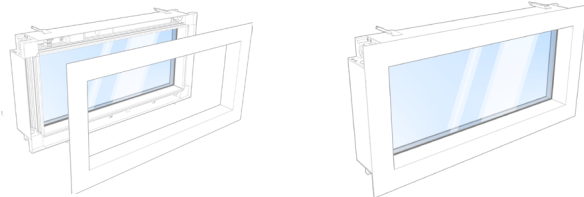
INNERSCENE
548 Market St #40123
San Francisco, CA
94104-5401

info@innerscene.com
www.innerscene.com
P: +1 (888) 984-5242

North America · Revision Dec 09, 2024
Specifications may change without notice.
For the latest details, visit Inn erscene.com.

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Circadian Sky [®]		OVERVIEW - SPECIFICATION SHEET					
DATE		PROJECT		SPECIFIER		TYPE	
POWER LEVEL							
	1x2'	2x2'	1x4'	2x4'	1.5x4'		
WATTAGE	35	45	45	75	45		
MAX cd/m ²	18702	9956	11071	7640	7523		
MAX LUMENS	2030	2610	2610	4350	2610		
FEATURES							
<p>Dual-reflectance technology</p> <p>Circadian Sky expertly replicates the characteristics of a double-pane window, employing advanced reflective technology to foster a heightened sense of depth and realism. Through the integration of a highly reflective light guide panel, a secondary reflection is induced, mimicking the distinctive double reflections found in traditional windows and enhancing the spatial perception of your environment.</p> <p>DUOGLASS™</p> <p>Innerscene proprietary multilayering of our ATMOS PLATFORM™ and ANSI-rated tough tempered glass, when combined with an integral deep regress, our Circadian Sky fixture is not only highly durable but also looks incredibly realistic when compared to a traditional double-glazed sky light.</p> <p>GLASS SAWFETY STANDARDS : ANSI Z97.1-2015: SAFETY GLAZING</p>							
<p>ATMOS PLATFORM™</p> <p>Innerscene proprietary ATMOS PLATFORM™ has been in development for nearly a decade and comprises a mix of specially selected light sources providing a natural sky experience that mimics outside conditions from a warm amber of sunrise and sunset to true tones of a deep blue tropical skies while keeping color accurate throughout. The ATMOS PLATFORM™ runs on our custom logic board designed to suit the needs of installations with a variety of lighting controls such as 0-10V, DMX, DALI or Casambi.</p> <p>TRUSKY™</p> <p>Innerscene proprietary TRUSKY™ is able to deliver an industry first single-step MacAdam ellipse using specially calibrated industrial metrology devices to deliver accurate and consistent colors, far above the industry standard of 3-steps.</p>							
TRIM							
<p>Field-paintable seamless uniframe</p> <p>Circadian Sky's seamless uniframe design integrates the entire front face and trim of the fixture into a single seamless snap-fit metal piece that can be easily handled on site.</p> <p>The seamless uniframe allow for effortless tool-less installation and servicing of the fixture.</p> <p>Trim finishes</p> <div><div><p>WHITE RAL9010*</p><p>A standard trim finished in white RAL9010 coating.</p></div><div><p>CUSTOM</p><p>Any color/coating to match specific needs (e.g., anti-microbial, RAL9016 30% glass).</p></div></div> <p>Behavioral Health Trim Option</p> <p>Complies with New York State Office of Mental Health (NYSOMH) guidelines</p> <p>Optional Behavioral Health Trim adder is suitable for high abuse environments.</p> <p>Mounting: mud-in drywall with wood or metal framing ceilings.</p> <p>Tamper-Resistant Fasteners: T20 #8 Torx Security Screws (field paintable)</p>				 <div><p>Inner lens: Clear Tempered Glass.</p><p>High Abuse Outer lens: 0.125 in Clear Polycarbonate.</p><p>Anti-Ligature Housing: Aluminum.</p><p>Finish: White RAL 9010 Matt powder coat as standard, optional Antimicrobial powder coat</p></div>			
All trims are designed to be field-paintable, ensuring seamless integration into diverse design visions.							
INNERSCENE	INNERSCENE 548 Market St #40123 San Francisco, CA 94104-5401	info@innerscene.com www.innerscene.com P: +1 (888) 984-5242	North America · Revision Dec 09, 2024 Specifications may change without notice. For the latest details, visit Innerscene.com.		Create Sunshine, Anytime, Anywhere. © 2024 INNERSCENE. All rights reserved.	2/5	

DATE

PROJECT

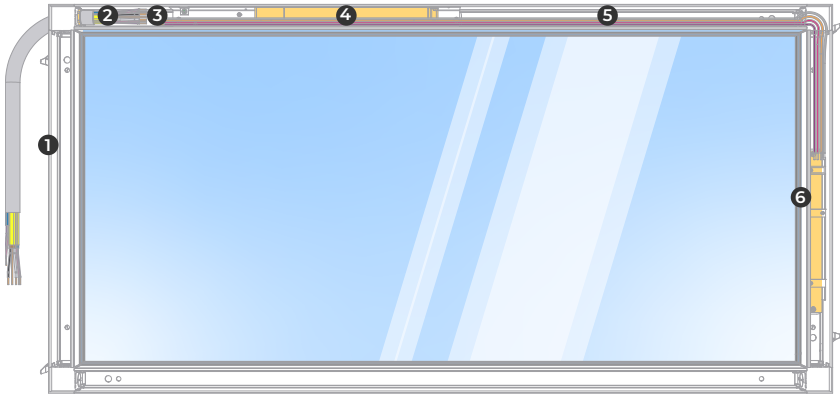
SPECIFIER

TYPE

WIRING

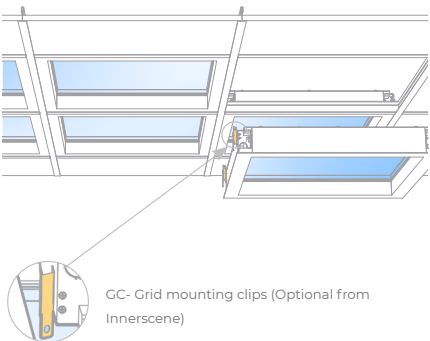
Below are the detailed wiring components and electrical elements of Circadian Sky:

1. Power or Control Wires Romex NM-B (Compatible with FMC)
2. Wire Connector to Fit 1/2" K.O. (Up To 8 x 1/2" K.O. Provided)
3. Wago Wire Connector (Supplied)
4. Power Supply (Supplied)
5. Dimming Wires (2 Channels 0-10V Shown)
6. Innerscene Circadian Sky Logic Board

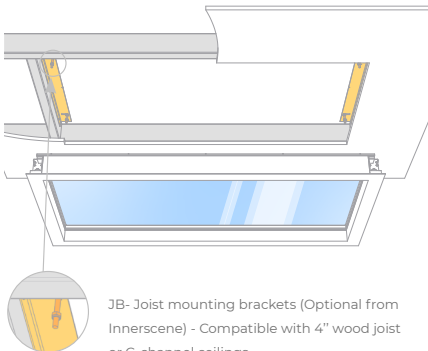


INSTALLATIONS

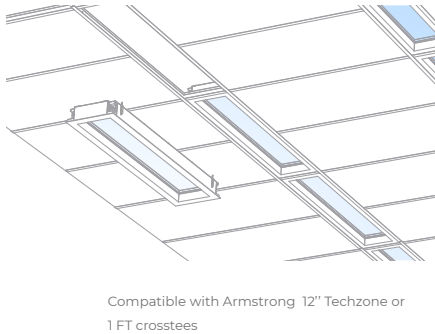
GRID CEILING



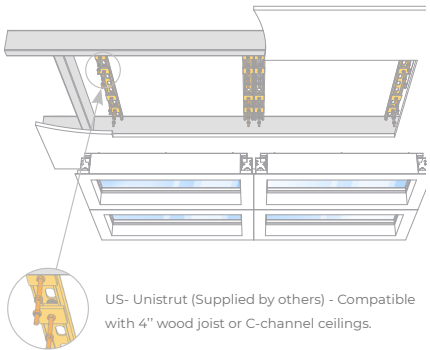
HARD CEILING



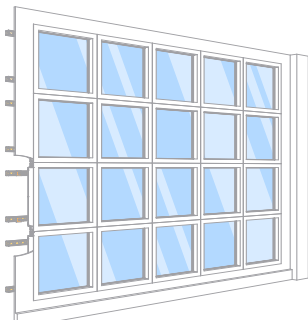
ARMSTRONG TECHZONE



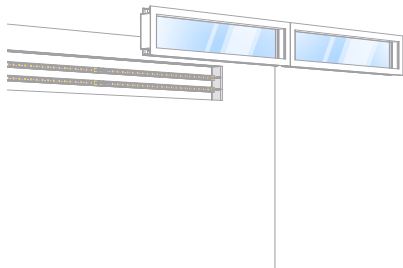
HARD CEILING ARRAYS



WALL INSTALLATION



CLERESTORY INSTALLATION



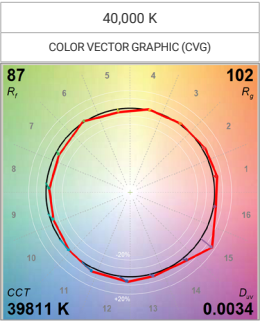
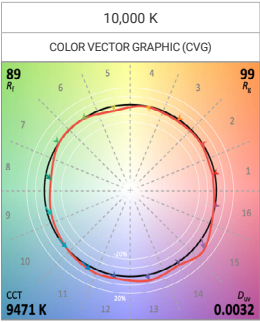
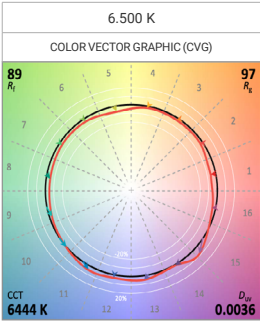
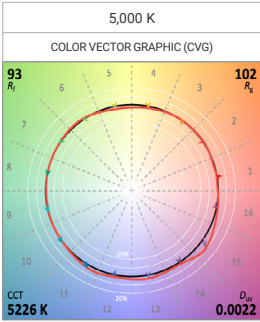
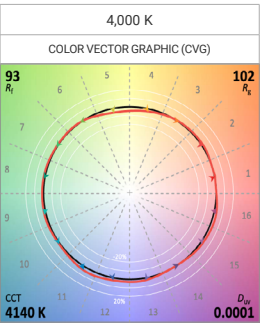
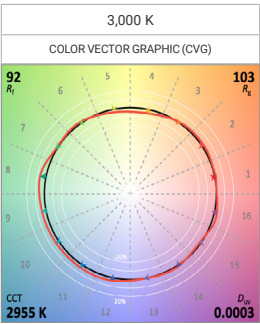
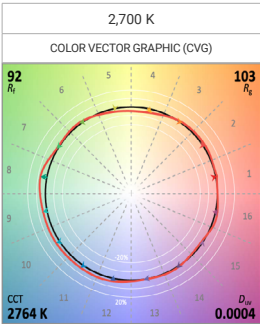
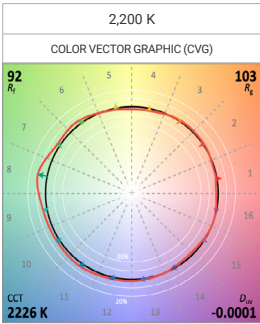
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PROJECT

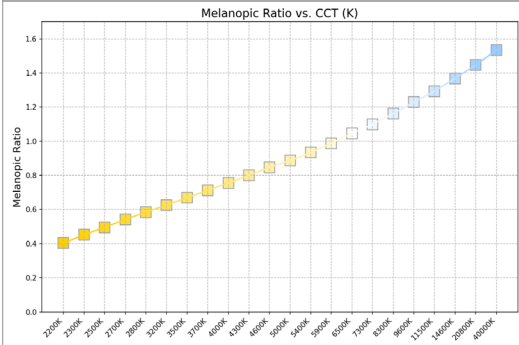
SPECIFIER

TYPE

TM30 COLOR FIDELITY



MELANOPIC RATIO VS. CCT [K]

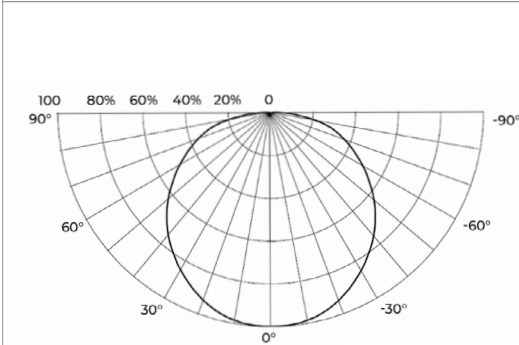


View the M/P (Melanopic) Ratio and EML for each CCT at varying intensities in the table below

CCT	2,200K	2,700K	3,000K	3,500K	4,000K	5,000K	6,500K	10,000K	40,000K
M/P Ratio	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.3	1.6
EML (250 lux*)	101	137	150	168	190	222	260	310	383
EML (30 lux)	12	16	18	20	23	27	31	37	46

*Recommended stimulus target according to Circadian Lighting feature in the IWBI's

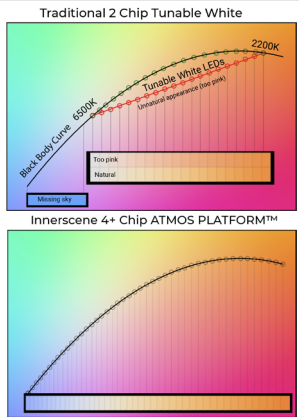
PHOTOMETRIC DISTRIBUTION POLAR CURVE



ATMOS PLATFORM™ 4+ CHIP COLOR SYSTEM

The ATMOS Platform in Circadian Sky features a four-chip LED system designed for high Color Rendering Index (CRI) and precise chromaticity control. This system uses four different LED chips/ colors to achieve accurate CIE xy coordinates, closely following the daylight locus and blackbody curves over a broad range from 2200K to 40000K.

In comparison, traditional two-chip tunable white systems incorporate only two types of white LEDs. These systems provide limited adjustable color temperature but lack the comprehensive CRI and exact CIE xy point control offered by the four-chip configuration in the ATMOS Platform. This design enables a lighting experience that more accurately replicates the variability, color, and spectrum of natural daylight.



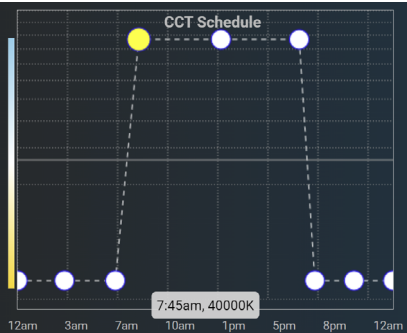
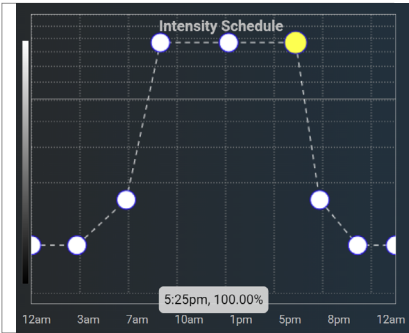
DATE	PROJECT	SPECIFIER	TYPE
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PROGRAMMING CODE

Programming Codes are used to load predefined settings and schedules onto Primary fixtures prior to shipping and on site. (*)
P0000 - Dimmer Only. When selected Primary fixtures will only respond to external dimmer controls (0-10V, DMX, DALI, Casambi).
P0002 - Default programming. Learn more by visiting <https://innerscene.com/programCode?code=P0002>

Find/create other programming schedules by visiting <https://innerscene.com/programCode>
* Secondary fixtures use Innerscene's wireless synchronization to mirror the primary unit when set to the same zone.

PROGRAMMING CODE EXAMPLE FOR P0002 :



Wireless Group ⓘ Wireless Sync Zone 1

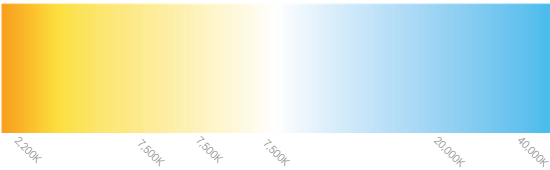
Idle resume ⓘ after 6 hours

Power On State ⓘ Schedule

Active Days ⓘ Active: Weekdays ▼

Schedule relative to ⚙ Clock ⚙ Sunrise

Timezone ⓘ Use Delivery Address (N/A, l



COLOR TEMPERATURE RANGE

Colors of white light are referred to as CCT in Kelvin, lower numbers are warmer tones, higher numbers are cooler or bluer tones. There is no upper limit of Kelvin. However, in Non-Innerscene products may have blue skies with low color rendition leading to color casts which can be unpleasant.

- 40,000K : Innerscene's deepest blue sky
- 20,000K : Blue Sky
- 6,500K : Pure White - highest color temperature for commercial lighting
- 3,500 - 4,000K : Commercial White
- 2,700 - 3,000K : Warm White - comparable to bright incandescent lamps
- 2,200K : Warmest hues of sunrise or sunset

SPECTRAL INFORMATION

