A LUMINAIRE THAT BRINGS THE MAGIC OF A **BLUE-SKY** INDOORS

PROJECT: _____

FIXTURE TYPE: _____

SkyView™ Day Mode Helps Boost

MOOD   FOCUS   ALERTNESS

SkyView™ Tile by BIOS Lighting is a revolution in healthy blue-sky lighting, designed to support mood, focus, alertness and circadian rhythm.

It's the only luminaire on the market that achieves ALL of the following:

- Proven to boost Mood, Focus and Alertness
- Meets the Daytime Blue Sky Criteria of m-EDI > 250 vertical lux as per RP-46-25 & WELL
- Low Glare, UGR < 19
- Uses simples controls, no commissioning

ORDERING GUIDE

Example: SVT-2x2-3000-MVOLT-DO-SD-1-SFC-WHT-OMS

SVT — 2x2 — ___ — ___ — DO — ___ — ___ — ___ — ___ — ___

Fixture Type	Size	Lumen Package	Voltage	Mode	Driver
SVT: SkyView™ Tile	**2x2**	**3000** lm	**MVOLT:** 120-277V	**DO:** Day Only	**SD**: 0-10V with Bio-Dimming™ Module
		4000 lm			
		5000 lm	**347**: 347V*		**CSD**: Custom Driver
		Custom			

*Contact factory for details

Electrical	Mounting	Finish	Controls
1: 1-Circuit	**GRD**: Grid Ceiling	**WHT**: White	**OMS**: Occupancy/Motion Sensor*
	SFC: Surface Mount Kit*	**BLK**: Black	**ODS**: Daylight Sensor*
EB: Emergency Battery*	**DRY**: Drywall Trim Kit*		
	PDT: Pendant Kit*	**CF**: Custom Specify RAL #	**OCS**: Occupancy & Daylight Sensor*

*Contact factory for details   *Contact factory for details   *Contact factory for details

cULus LISTED   FC   WELL   Declare. Red List Approved   5 YEARS WARRANTY   RoHS compliant

bios®

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DESIGN OPTIONS

Melanopic Ratio

M-DER 1.1
M-EER or MP Ratio 1.2

Lumen Output

3000 lumens
4000 lumens
5000 lumens

Finishes

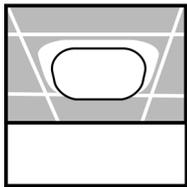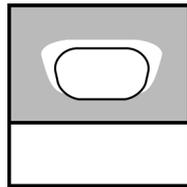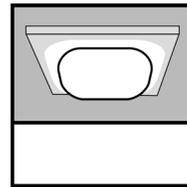White   Black   Custom

Mounting

Grid Mount   Recessed Mount   Surface Mount   Pendant Mount

Color Rendering

>91 CRI
>82 R9

TM-30

Rg 99
Rf 90

Sustainability and Wellness

WELL • RP-46-25 • Declare Red List Approved
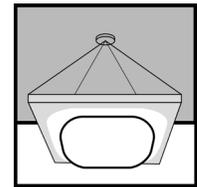
LIGHTING SYSTEM FEATURES

- Patented Blue Sky Gradient™ Technology, providing the benefits of a blue-sky day indoors

- Volumetric light distribution maintains uniformity ratios of <2:1

- Proven to boost mood, focus and alertness

- Declare Label - Red List Approved

- 0.4 W/ft^2 on a 10ft x 10ft grid

- L90 at 60000 hours

CRI	≥ 91
R9	≥ 82
TM-30	
Rg	99
Rf	90
Delivered CCT*	5300K

COLOR

R$_f$ **90**   R$_g$ **99**
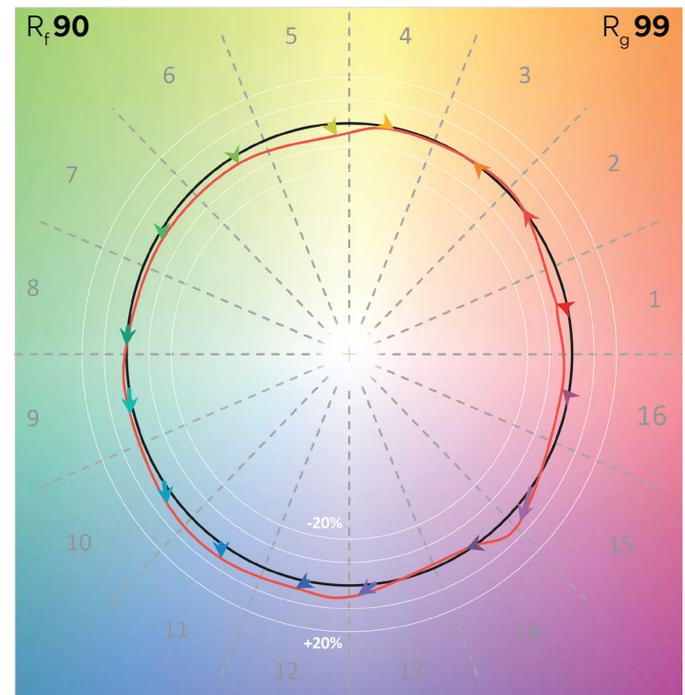
*CCT range is **15000K** to **4000K** with an average of **5300K**.

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LIGHT DISTRIBUTION
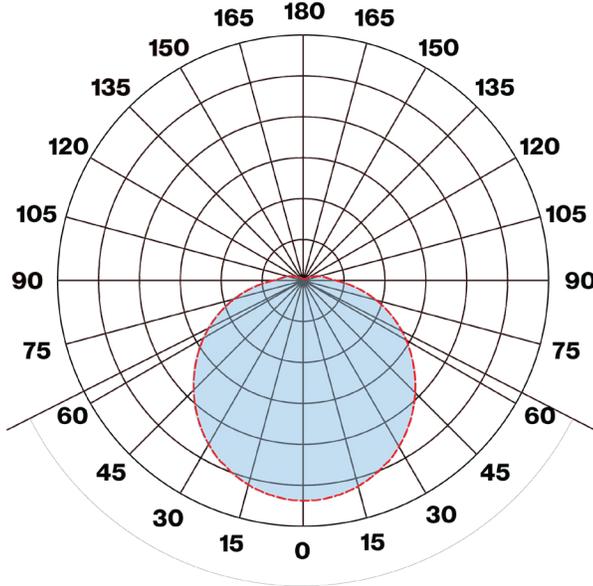
SPECTRAL POWER DISTRIBUTION CHART
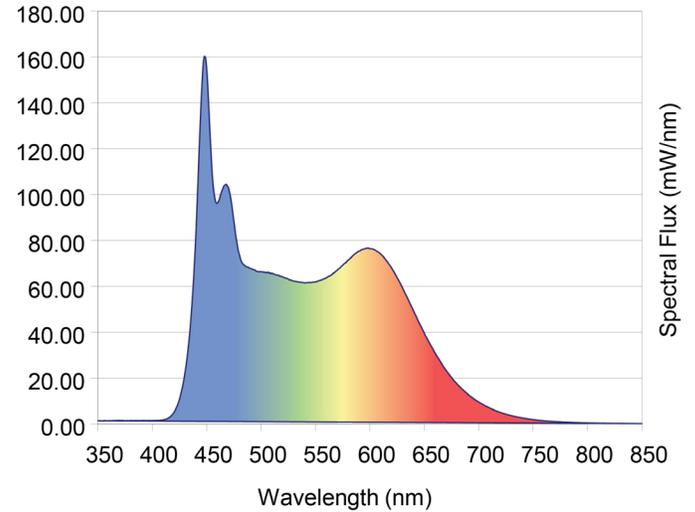
PERFORMANCE CHART

White (WHT) Finish					
Type	Lumens	Wattage	MP Ratio	MDER	Efficacy
3000 WHT	3790	31W	1.2	1.1	118 lm/W
4000 WHT	4858	42W	1.2	1.1	114 lm/W
5000 WHT	6095	55W	1.2	1.1	111 lm/W

Black (BLK) Finish					
Type	Lumens	Wattage	MP Ratio	MDER	Efficacy
3000 BLK	3180	31W	1.1	1.0	102 lm/W
4000 BLK	4212	42W	1.1	1.0	98 lm/W
5000 BLK	5084	55W	1.1	1.0	93 lm/W

DIMENSIONS

3.13 in / 79.5 mm

6.05 in / 154 mm

23.75 in / 603 mm

23.75 in / 603 mm

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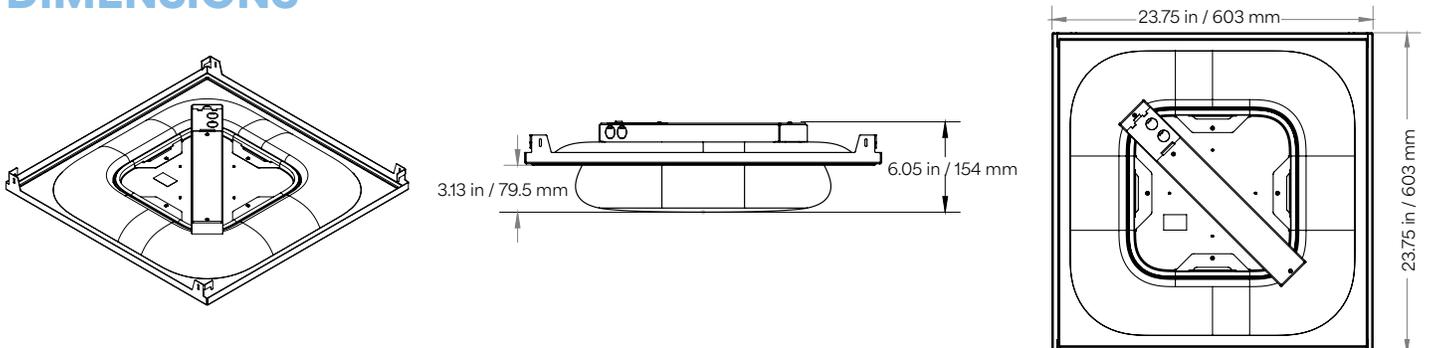
TYPICAL LIGHTING LAYOUT
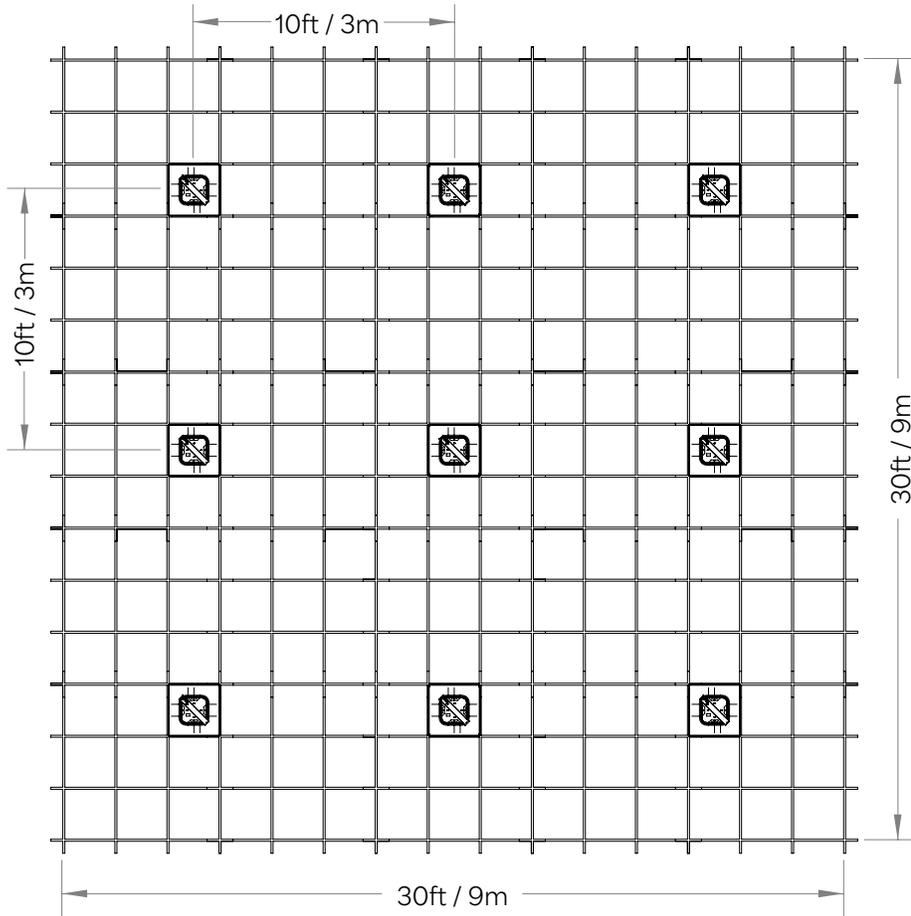
Example placement of a 4000 lm fixture layout in a 30ft x 30ft / 9.14m x 9.14m room with a 10ft / 3.05m ceiling height, achieving 35 FC / 300 lux task plane luminance and 250 melanopic equivalent daylight illuminance (m-EDI).

UGR

Lumen Package	UGR
3000	16 WHT
3000	15 BLK
4000	17 WHT
4000	16 BLK
5000	18 WHT
5000	17 BLK

SUGGESTED SPACING GRID

Grid Spacing	Lumen Output	Horizontal FC	Vertical m-EDI	Ceiling Height	LPD
10ft x 10ft	4000	35	250	8.5ft - 10ft	0.40 W/ft²
8ft x 8ft	3000	35	250	8ft	0.44 W/ft²
12ft x 12ft	5000	35	250	10ft - 11ft	0.43 W/ft²

LIFETIME EXPECTANCY

LM-80 Data
L70 > 60000 hours
L80 > 60000 hours
L90 > 60000 hours

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CONTROLS

ON / OFF   DAYTIME   DIMMING
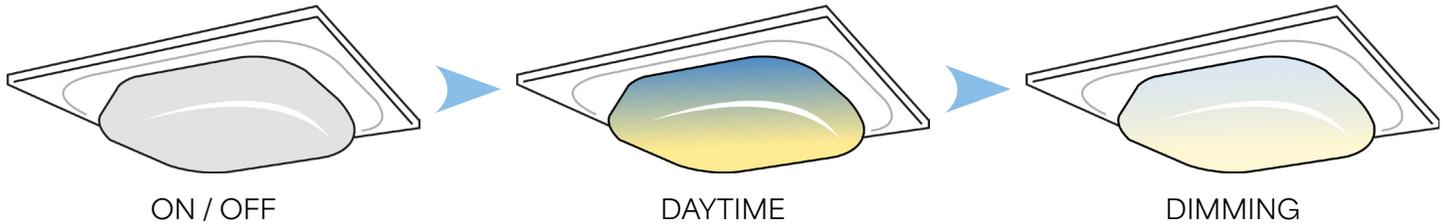
The daytime only **0-10V drivers** allow the user to turn the fixture on/off and dim it up and down to adjust light levels to meet building code.

WIRING DIAGRAM

AC Connections
Line - Black
Neutral - White
Ground - Green

AC/DC Driver
120-277 input
50W max output

0-10V Dimming
Connections
Purple +
Pink -

DAYTIME
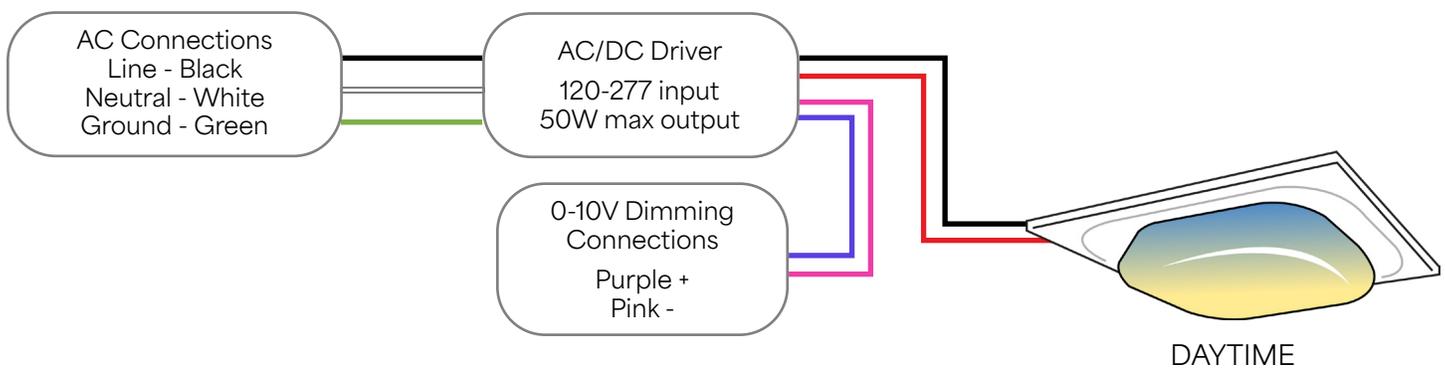
TECHNICAL SPECIFICATIONS

CONSTRUCTION

- Formed 24 ga. steel housing
- Universal T-bar clips, seismic restraint tabs/tie-offs

OPTICAL

- Patented SkyView™ Blue Sky Gradient™ Technology light engine
- Precision molded high transmittance LLDPE plastic diffuser that is recyclable
- Long-life LED system designed for typical LM-80 lumen maintenance ≥ L90 @ 60000 hours
- Available in 3000, 4000 and 5000 lumen packages with CRI ≥ 90 and R9 ≥ 82
- CCT range is 15000K to 4000K with a delivered CCT of 5300K

ELECTRICAL

- Driver Lifetime: 50000 hours

- Power Factor **>** 0.95
- Total Harmonic Distortion **<** 20%
- Dim level: Standard dim to dark 100-1% with Day/Evening 100-0.01%
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

CONTROLS

- SkyView™ fixtures use standard building control protocols like 0-10V.
- SkyView™ Tile from BIOS Lighting supports integrated occupancy sensing and daylight harvesting controls to improve energy performances without compromising healthy Blue Sky outcomes.

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TECHNICAL SPECIFICATIONS CONTINUED

STANDALONE CONTROLS (INTEGRAL)

- Integral sensors are installed directly within the SkyView™ Tile and operate independently

- Sensors may control a single tile or a group of tiles

- Multiple sensors may be required depending on a layout and ceiling height

- Controls operate independently and do not communicate between luminaires

- Sensor placement and functionality are determined by BIOS Lighting unless otherwise specified

AVAILABLE CONTROL OPTIONS

OMS - Occupancy Motion Sensor

- Integral Passive InfraRed (PIR) sensor provides automatic on/off control

- Field-adjustable time-out

- No wall switch required

- Typical coverage (sensor mounted at 8ft AFF)

- Large motion: 12ft diameter

- Small motion: 8ft diameter

ODS - Daylight Harvesting Sensor

- Integral closed-loop daylight sensor automatically dims output in response to daylight

- Measures combined reflected daylight and electric light

- Maintains consistent light levels

- Initial on-site calibration required (remote provided)

OCS - Occupancy and Daylight Sensor

- Combined occupancy and daylight sensing in a single device

EMERGENCY

- The Optional Battery Pack delivers 10W Class 2-rated output for 90 minutes

- Uses 12W input energy to estimate emergency flux, typically 1150-1750 lm (@ 100-150 lm/W)

ENVIRONMENT

- Designed for use in dry or damp indoor locations with ambient temperatures of 0-30° C or 32-86° F

- IP22 Rating

- Not suitable for natatorium environments

WEIGHT

- Maximum 10 lbs (4.54 kg) with standard driver

- Maximum 14 lbs (6.35 kg) with battery pack

WARRANTY

- 5-year limited warranty on all components and workmanship

INDEPENDENT TESTING

- IESNA LM79

- IESNA LM80 (LED @ 10000 hours)

APPROVALS

- UL Listed (USA + Canada)

- RoHS Certificate of Conformity

- Declare Red List Approved

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