

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



**DAY MODE**



**EVENING MODE**

PROJECT: \_\_\_\_\_

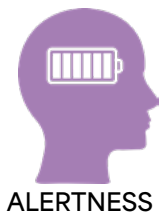
FIXTURE TYPE: \_\_\_\_\_

**SkyView™ Pendant** by BIOS Lighting is ultimate commercial healthy blue-sky lighting solution, designed to support mood, focus, alertness and circadian rhythm during daytime or evening hours. Ideal for conference rooms, gathering spaces and lobbies.

**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 < 16
- Uses simple controls, no commissioning

**SkyView™ Day Mode Helps Boost**



## ORDERING GUIDE

Example: SVP-19x22-AC-10-5000-DO-0-10V-MVOLT-BLK

SVP – 19x22 – – 10 – – – – –

Fixture Type	Size	Mounting Type	Mounting Length	Lumen Output
<b>SVP:</b> SkyView™ Pendant	<b>19x22:</b> 19in diameter x 22in height	<b>ACS:</b> Swivel Aircraft Cable	<b>10:</b> 10 ft	<b>5000</b> lm
		<b>RS:</b> Swivel Rigid Stem		<b>6000</b> lm
				<b>7000</b> lm

Dimming	Input Voltage	Finish	Electrical
<b>DO-0-10V:</b> Day only with 0-10V dimming	<b>MVOLT:</b> 120-277 V	<b>WHT:</b> White	_____ : 1 Circuit
<b>D2E-DALI:</b> Day/Evening 2 Channel - Dali8 DT2	<b>347:</b> 347 V	<b>BLK:</b> Black	
*Consult factory for other control options			



## DESIGN OPTIONS

### Daytime Melanopic Ratio

M-DER 1.14  
M-EER or MP Ratio 1.25

### Lumen Output

5000 lumens  
6000 lumens  
7000 lumens

### Finishes



White



Black

### Color Rendering

>91 CRI  
>86 R9

### TM-30

Rg 98  
Rf 99

### Sustainability and Wellness

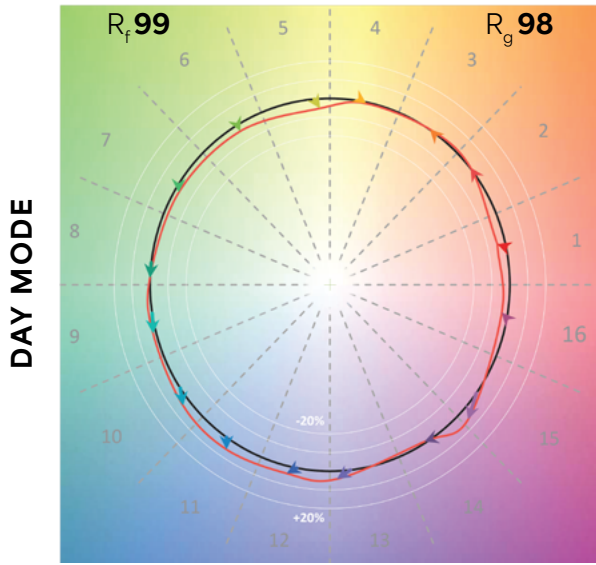
WELL • RP-46-25 • Declare Red List Free

## LIGHTING SYSTEM FEATURES

- Patented Blue Sky Gradient™ Technology, providing the health benefits of a blue-sky day indoors
- Volumetric light distribution maintains uniformity ratios of <2:1
- Day Mode proven to boost mood, focus and alertness
- Declare Label - Red List Free
- L90 at 60000 hours

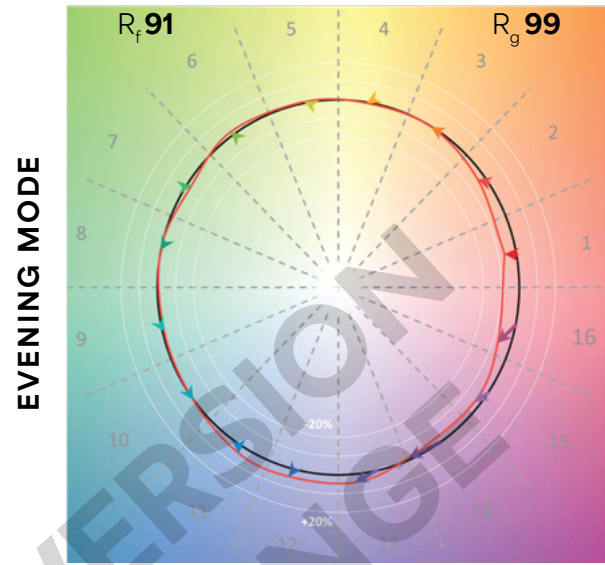
PRELIMINARY VERSION  
SUBJECT TO CHANGE

## COLOR



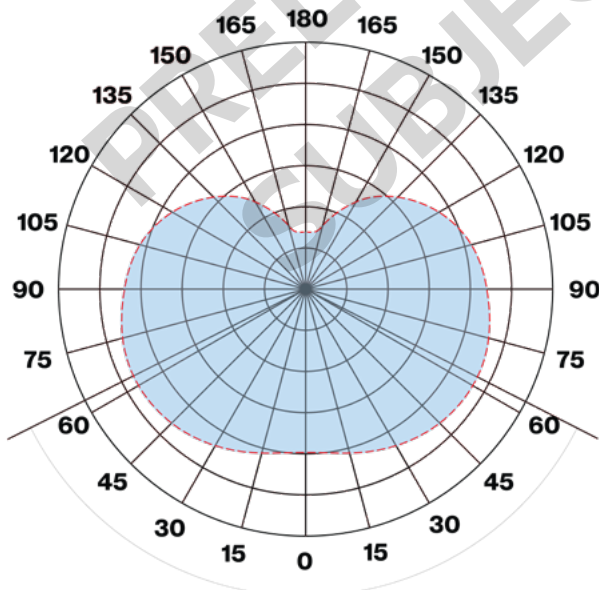
CRI	≥ 91
R9	≥ 86
TM-30	
Rg	98
Rf	99
Delivered CCT*	6400K

\*CCT range is 15000K to 4000K with an average of 5300K.

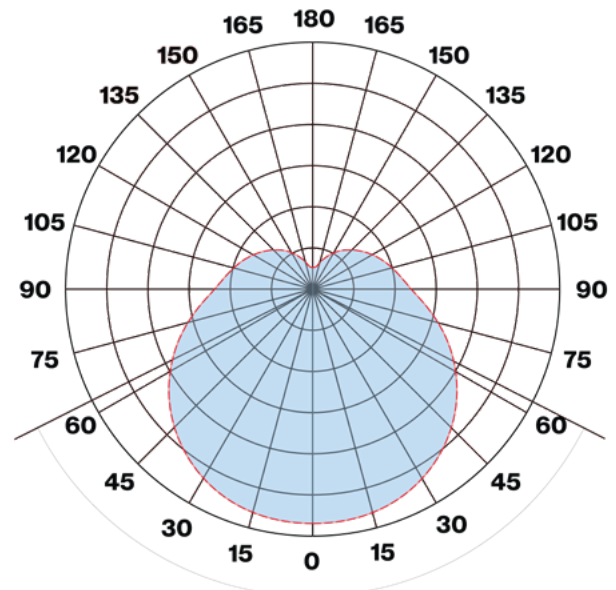


CRI	≥ 91
TM-30	
Rg	99
Rf	91
CCT	2200K

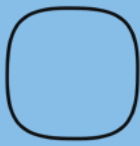
## LIGHT DISTRIBUTIONS



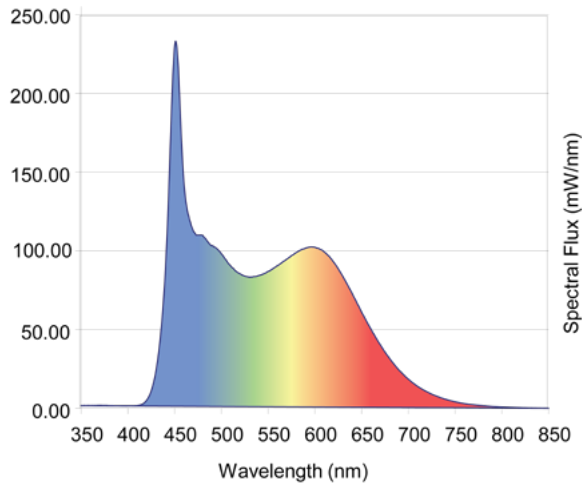
DAY MODE



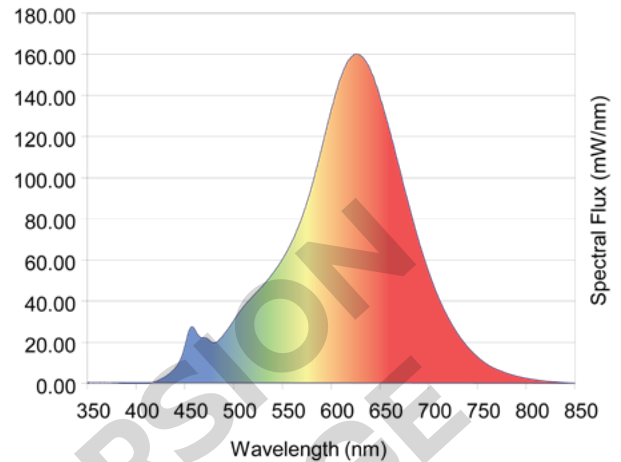
EVENING MODE



## SPECTRAL POWER DISTRIBUTION CHARTS



**DAY MODE**



**EVENING MODE**

## PERFORMANCE CHARTS

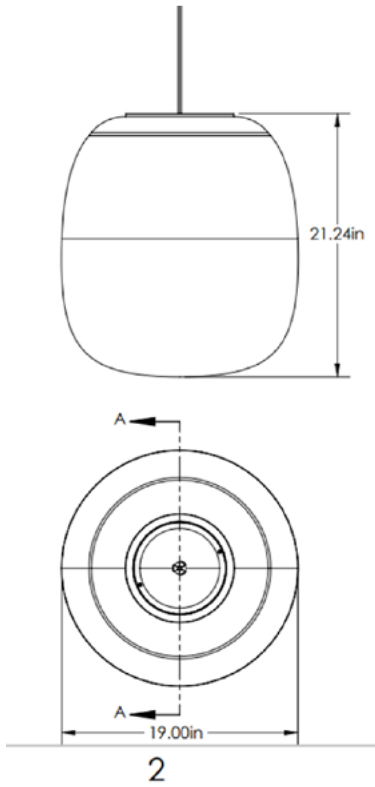
### DAY MODE

Type	Lumens	Wattage	MP Ratio	MDER	Efficacy
SVP	4999	51W	1.24	1.14	103 lm/W
SVP	5957	63W	1.24	1.14	99 lm/W
SVP	6926	74.49W	1.24	1.14	95 lm/W

### EVENING MODE

Type	Lumens	Wattage	MP Ratio	MDER	Efficacy
SVP	4112	50.54W	0.38	0.34	89 lm/W
SVP	4981	62.43W	0.38	0.34	84 lm/W
SVP	5776	73.82W	0.38	0.34	78 lm/W

## DIMENSIONS



## LIFETIME EXPECTANCY

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

## UGR

Lumen Package	UGR
5000	14
6000	15
7000	16

PRELIMINARY VERSION  
SUBJECT TO CHANGE

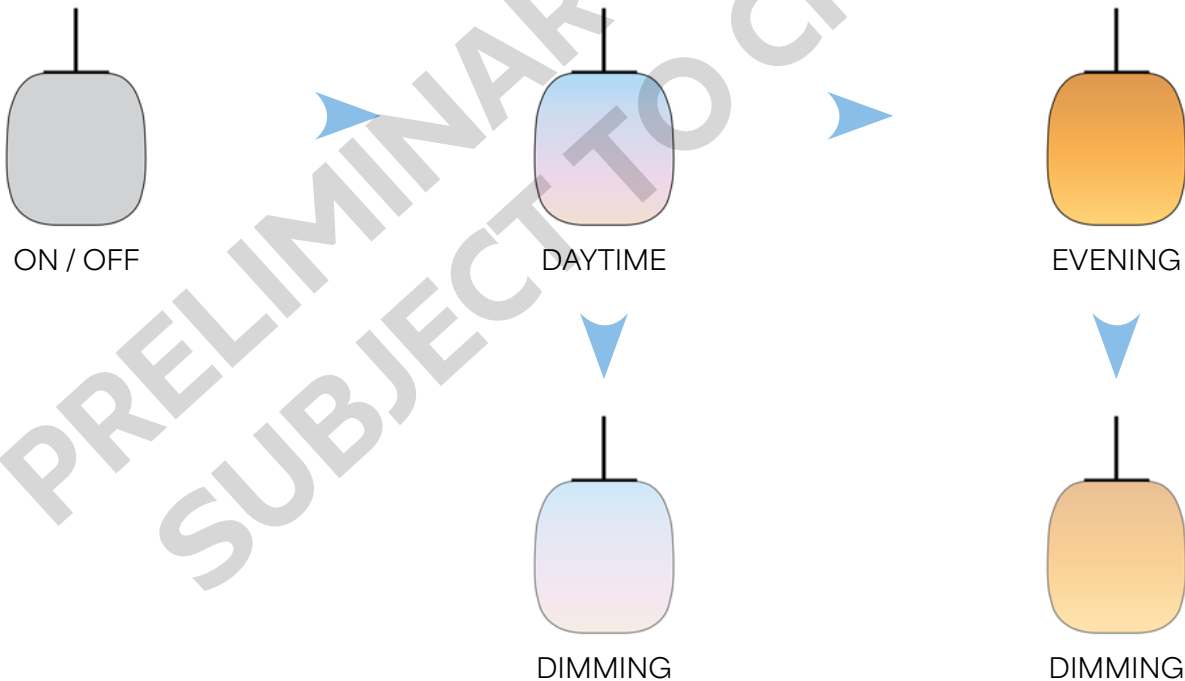
## CONTROLS

### 0-10V



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.

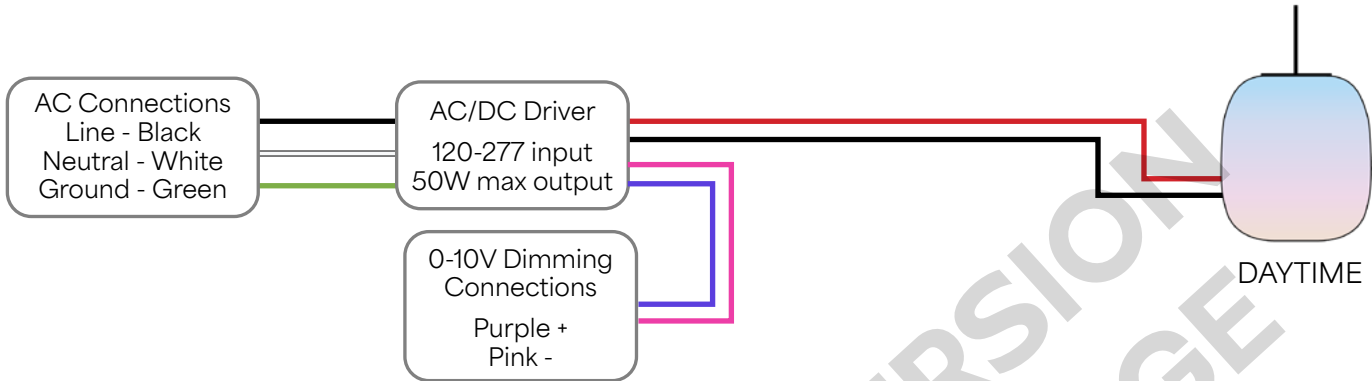
### DALI 2 DT8 CONTROLS



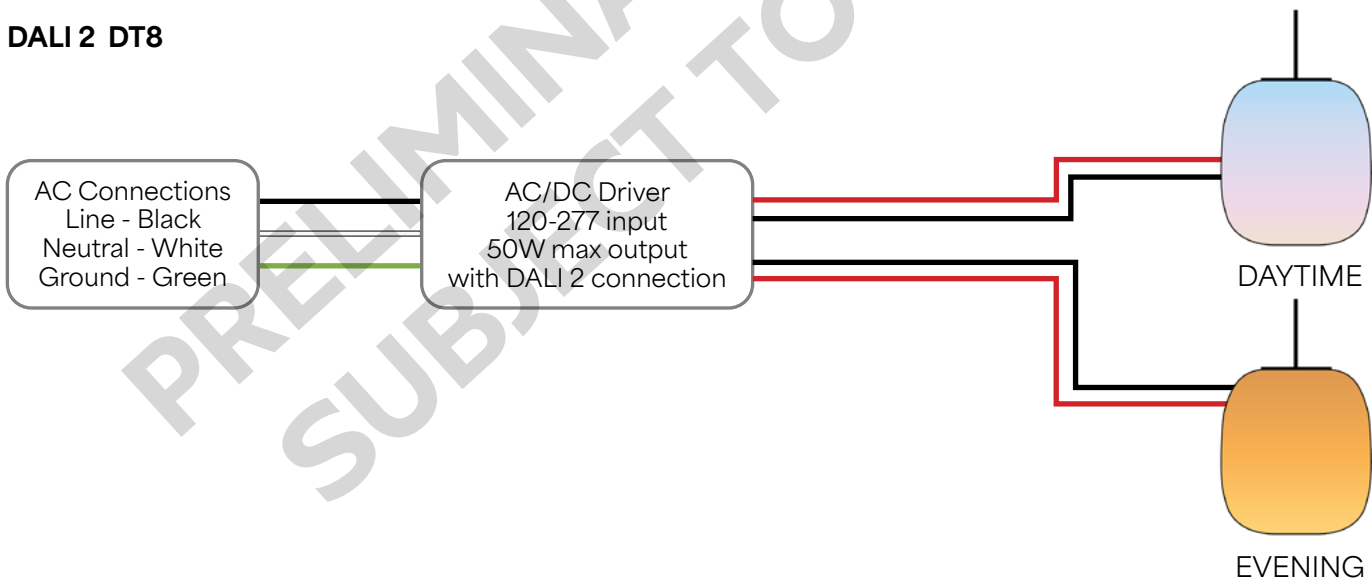
Our DALI 2 solution uses a DT8 driver. This allows the fixture to use a single DALI 2 address to change from daytime to evening mode as well as dimming for both modes.

## WIRING DIAGRAMS

### 0-10V



### DALI 2 DT8



## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

- Formed 24 ga. steel housing

### 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 TM21 lumen maintenance  $\geq$  L90 @ 60000 hours
- Available in 5000, 6000 and 7000 lumen packages with CRI  $\geq$  91 and R9  $\geq$  86
- CCT range is 15000K to 4000K with a delivered CCT of 5300K

### ELECTRICAL

- Driver Lifetime: 50000 hours
- Power Factor > 0.99
- Total Harmonic Distortion < 20%
- Dim level: Standard 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 and DALI 2. Because SkyView™ products do not dynamically change CCT throughout the day like many tunable white or circadian fixtures on the market, simple room-level controls can be used. Wall box dimmers, distributed solutions, like power packs or even panel-based solutions can all control SkyView™ products.
- SkyView™ Pendant from BIOS Lighting supports integrated occupancy sensing and daylight harvesting controls to improve energy performances without compromising circadian lighting outcomes.

### DALI DRIVER

- DALI 2 DT8 means that one DALI address controls intensity and day/evening

### 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

### 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)

### WEIGHT

- Maximum 18 lbs (8.16 kg) with standard driver

### 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 Free