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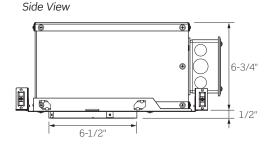
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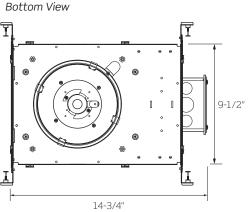
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# **R6IC KB SERIES** | 6-Inch Insulated Ceiling (IC)/StopAire<sup>™</sup> Housing with BIOS SkyBlue<sup>™</sup> Technology



Ceiling Opening: 6-5/8" Ceiling Thickness: 1/2" - 2"





	R6SA1	R6SA2	R6SA3	R6SA4
WATTAGE	12W	15W	21W	30W
LUMEN OUTPUT <sup>1</sup>	700Lm	900Lm	1300Lm	1800Lm
COLOR TEMPERATURE / CRI / R9	3000K / 81 CRI / 90 R9			
	3500K / 83 CRI / 95 R9			
	4000K / 83 CRI / 95 R9			
INPUT WATTAGE	12W	16W	21W	30W
INPUT CURRENT (A) 120V/277V/347V	.08/.04/.03	.12/.06/.04	.17/.08/.06	.23/.11/.08
INPUT VOLTAGE				
120V - 277V Standard Driver	90-305V AC, 50/60Hz			
347V Standard Driver	347V AC, 50/60Hz			
Lutron Eco-System <sup>®</sup> Driver	120VAC / 277VAC , 50/60H	Z		
eldoLED ECOdrive / SOLOdrive	120VAC/277VAC, 50/60H	z		
DRIVER POWER FACTOR	> 0.90			
TOTAL HARMONIC DISTORTION (THD)	< 20%			
LISTINGS	cCSAus Certified to UL Star	ndards; Suitable for Damp	Locations	
	Conforms to Washington St ASTM E283 (2.0 CRM or les		or Low Air Infiltration; tested	l in accordance with
WARRANTY	Five (5) year replacement a	fter date of purchase		
SYSTEM RATING	50,000 Hours @ 70% Lume	en Maintenance		

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information



Example Order:

CONIECH

LIGHTING

a **LEVI** company

RGIC130KBMVDBT

Housing/LED Series	Color Temp	Dimming	BIOS Protocol
R6IC1 - 12W/700lm R6IC2 - 15W/900lm R6IC3 - 21W/1300lm R6IC4 - 30W/1800lm	30KB - 3000K 35KB - 3500K 40KB - 4000K	MVD <sup>2</sup> - 120 - 277V TRIAC/ELV/0 - 10V   34D2 - 347V 0 - 10V Dimming   MVD4 - Lutron Hi-lume 1% EcoSystem	<b>BT</b> - BIOS Tunable Dimming <b>BS</b> - BIOS Static Dimming
ROIC4 - 30W/1800011	I	with Soft-on, Fade-to-Black <b>MVD6</b> <sup>2</sup> - 120-277V eldoLED ECOdrive 0-10V, 1% Dimming	
		MVD7 <sup>2</sup> - 120 - 277V eldoLED ECOdrive DALI, 1% Dimming	
		MVD8 <sup>2</sup> - 120 - 277V eldoLED SOLOdrive 0 - 10V, 0.1% Dimming	
		MVD9 <sup>2</sup> - 120 – 277V eldoLED SOLOdrive DALI, 0.1% Dimming	

1. TRIAC and ELV Dimming for 120V only

2. eldoLED Drivers are programmed for Linear Curve Dimming as standard; for Logarithmic Curve Dimming, consult factory

Accessories Standard Hanger Bars Supplied with Housing HB-30 - T-Bar Hanger Set See "Trims for 6-Inch BIOS Downlights" Specification Sheet for compatible Trim information and details DATE

PROJECT

#### TYPE

## **R6IC KB SERIES** | 6-Inch Insulated Ceiling (IC)/StopAire<sup>™</sup> Housing with BIOS SkyBlue<sup>™</sup> Technology

### **PRODUCT DETAILS**

a LEVI company

#### Construction

- 6-Inch Specification Grade 16 Gauge Galvanized Steel Insulated Ceiling (IC)/StopAire™ Housing with Die-Cast Aluminum Heat Sink
- For use in applications with direct contact with insulation materials
- Quick Connect Light Engine; Drivers are fully accessible from below the ceiling
- Dual Nailer Hanger Bars are adjustable for 16- and 24- inch center joists (14-1/4- to 24-1/2- inch). Nailer Bars may be extended to rest on T-Bar ceilings; optional clip-on T-Bar Hangers available.
- Pre-wired Junction Box with eight (8) 1/2-inch Knockouts and four (4) 3/4-inch Knockouts
- Output over-voltage, over-current and short circuit protection
- Approved for Through Circuit Wiring: max. eight (8) 12 AWG (4in/4out), wiring rated for at least 75°C

### **BIOS SKYBLUE LED TECHNOLOGY DETAILS**

- BIOS SkyBlue™ Circadian Lighting Technology brings the benefits of blue skies inside by emulating the makeup of nature's light spectrum.
- Light sends signals to the body that create biological responses, many associated with the body's circadian system. These responses impact mood, hormone production, energy levels, alertness, fatigue and more.
- This biological response to light can be measured by the melanopic (non-visual) to photopic (visible) ratio called the M/P ratio. During the day, a high M/P ratio is optimal, while at night a low M/P ratio is best.
- BIOS LEDs provide high daytime stimulus by pin-pointing the peak sensitivity of the "sky blue" visible light spectrum wavelengths, approx. 490nm, needed to effectively communicate and trigger circadian response.

Performa	nce Summa	iry	

- All R6 Downlights are available for non-dimming and dimming applications; for compatible Dimmers, refer to the Dimming Specification Sheet
- Flanged or Trimless Specification Grade Trims; See "Trims for 6-Inch BIOS LED Recessed Downlights" Specification Sheet for compatible trim information and details
- Trimless options require use of a Mud Frame (MF6, ordered separately) for securing housing and trim in 1/2- to 1-inch thick ceilings only
- Trimless options cannot be used with Remodel Housings (R6RM) or Slope Ceiling Adapters (RSA6L Series)
- UL8750 and Class 2 Compliant; RoHS Compliant, US only

			MELANOPIC I	RATIO (M/P) <sup>1</sup>
ССТ	CRI	R9	DAY	NIGHT <sup>2</sup>
3000K	81	90	0.74	0.47
3500K	83	95	0.83	0.47
4000K	83	95	0.92	0.47

1. The Melanopic Ratios (M/P) provided have been calculated using the WELL v2 Methodology

2. 2700K CCT with SkyBlue (490nm) removed during Nighttime. Available only for Tunable BioDimming™, not available for Static BioDimming™

### **BIOS BIO-DIMMING™**

The BIOS Bio-Dimming Modules deliver a completely customizable and spectrally-modulated light source. Two Modules are available, Tunable or Static, depending on desired performance, and can be used with any standard dimming interface.

**Tunable Bio-Dimming**<sup>™</sup> is best suited for 24-hour facilities or evening applications, where full light output is desired as the day progresses, but also there is also the need to minimize circadian impact in the evening.

When dimming, the sky blue wavelengths are removed first, resulting in a modest color temperature shift to 2700K. This occurs within the first 20% of the dimming profile, the remainder of the dimming profile reduces light output, providing a standard linear reduction of the sky blue depleted spectrum.

	TUNABLE BIO-DIMMING PROTOCOL										
DIMMER LEVEL	ССТ	SKYBLUE %	LIGHT OUTPUT								
100%	Initial CCT 3000K/3500K/4000K	100%	100%								
99% - 81%	99% - 81% Gradual Shift down to 2700K 100% - 0%										
80%	2700K	<b>0%</b> No SkyBlue Wavelengths	100%								
79% - 0%	2700K	<b>0%</b> No SkyBlue Wavelengths	Linear Dimming								

**Static Bio-Dimming™** supports proper daytime circadian stimulus, best suited for day-only applications.

A steady, invisible, sky blue signal boost to white light is delivered throughout the day for high daytime circadian stimulus. When dimming, these sky blue wavelengths remain as overall light intensity is dimmed down.

	STATIC BIO-DIMMING PROTOCOL											
DIMMER LEVEL	ССТ	SKYBLUE %	LIGHT OUTPUT									
100%	Initial CCT 3000K/3500K/4000K	100%	100%									
99% - 0%	Initial CCT 3000K/3500K/4000K	100%	Linear Dimming									

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### **R6 KB SERIES** | 6-Inch Downlights with BIOS SkyBlue™ Technology **Photometrics**

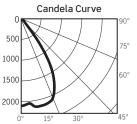
### PHOTOMETRICS

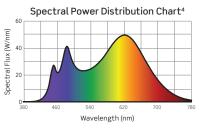
### R6\*535KB12DBS / C6322M-CLR: 6-Inch Downlight, Medium Beam, Clear Reflector

#### LM-63 Test No. G21093001; LM-79 Test No. S21093001

Fixture Delivered Lumens: 2219.2 Total Watts@120V: 38.5 Lumens Per Watt: 57.6 Center Beam Candle Power: 2069 Beam Distribution: 67.8° Spacing Criterion: 0.98 Color Rendering Index (CRI)1: 84.8 Color Temperature (CCT)2: 3238K Peak Sensitivity: 490nm R9 Value: 93.3 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution									
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)							
6 FT	57.5	8.1							
8 FT	32.3	10.8							
10 FT	20.7	13.5							
12 FT /	14.4	16.1							
14 FT	10.6	18.8							
16 FT	8.1	21.5							





#### R6\*535KB12DBS / C6322W-CLR: 6-Inch Downlight, Wide Beam, Clear Reflector

LM-63 Test No. G21093002; LM-79 Test No. S21093001

Total Watts@120V: 38.5

Lumens Per Watt: 59.7

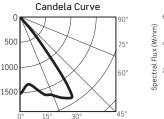
Beam Distribution: 74.5°

Spacing Criterion: 1.10

Peak Sensitivity: 490nm

R9 Value: 93.3

Intensity Distribution Fixture Delivered Lumens: 2296.7 DISTANCE FOOTCANDLES BEAM DIA. (FT.) (FC) (FT.) Center Beam Candle Power: 1491 6 FT 41.4 9.1 8 F T 23.3 12.2 10 FT 149 15.2 Color Rendering Index (CRI)1: 84.8 12 FT 10.4 18.3 Color Temperature (CCT)2: 3238K 7.6 21.3 14 FT 16 FT 5.8 24.3 Designed for 50,000 Hour Lamp Life<sup>3</sup>





### R6\*535KB12DBS / C6322-PL: 6-Inch Downlight, Platinum Reflector

LM-63 Test No. G21093003: LM-79 Test No. S21093001

Intensity Distribution Candela Curve Fixture Delivered Lumens: 2267.3 Spectral Power Distribution Chart<sup>4</sup> Total Watts@120V: 38.5 FOOTCANDLES BEAM DIA. 60 DISTANCE Lumens Per Watt: 58.9 Spectral Flux (W/r Center Beam Candle Power: 2723 6 FT 75.6 7.2 1000 40 Beam Distribution: 62.2° 8 FT 42.5 9.7 Spacing Criterion: 0.94 10 FT 272 121 20 Color Rendering Index (CRI)1: 84.8 2000 12 FT 18.9 14.5 Color Temperature (CCT)2: 3238K 14 FT 13.9 16.9 Peak Sensitivity: 490nm 700 3000 16 FT 10.6 19.3 Wavelength (nm) R9 Value: 93.3 45 Designed for 50,000 Hour Lamp Life<sup>3</sup>

1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

### PHOTOMETRIC MULTIPLIERS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI) and Wattage. To estimate lumen output of other combinations, multiply the published results by the following factors:

CCT MULTIPLIERS OUTPUT MULTIPLIERS						TRIM MUI	LTIPLIERS	í		
ССТ	STANDARD CRI		SERIES 1	SERIES 2	SERIES 3	SERIES 4	C6322W-CLR	C6322-PL	C6322-WHT	C6323-CLR
3000K	0.95		0.31	0.43	0.61	0.81	1.03	1.02	0.91	0.74
3500K	N/A									
4000K	1.05									

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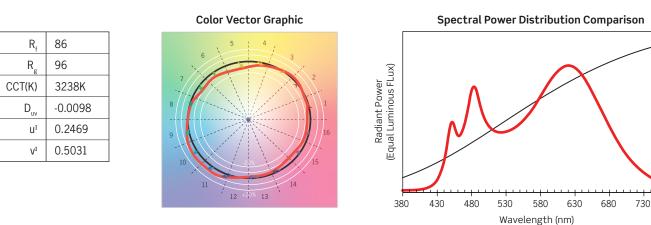
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### **R6 KB SERIES** | 6-Inch Downlights with BIOS SkyBlue™ Technology Photometrics

### **PHOTOMETRICS: TM-30 DATA**

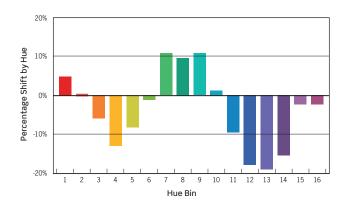
### R6\*535KB12DBS / C6322M-CLR

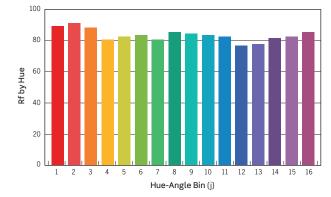
ANSI/IES TM-30-18 Color Rendition Report Test No. S21093001



Reference Illuminance

Test Source





HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	4%	0%	-5%	-10%	-7%	-1%	9%	8%	9%	1%	-8%	-15%	-16%	-13%	-2%	-2%
R <sub>f</sub> VALUE	91	93	90	82	84	85	82	87	86	85	84	78	79	83	84	87

Colors are for visual orientation purposes only

780

Reference Illuminance

Test Source



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#### TYPE

### R6 KB SERIES | Trims for 6-Inch LED Downlights with BIOS SkyBlue<sup>™</sup> Technology

### **FLANGED TRIM OPTIONS**

C6322-PLWHE - 59° Platinum Wheat Reflector - 72° White Reflector

\*Available with White Panted Flange, add "-WPF" to end of part number

C6322-WHT

C6321 Cone Series C6321 Baffle Series Two Piece Reflector: Two Piece Reflector: Lower Cone and Flat Lens Lower Baffle and Flat Lens 5-3/4-Inch ID, 7-Inch OD. 4-1/4-Inch Height 5-3/4-Inch ID, 7-Inch OD. 4-1/4-Inch Height Two Piece Reflector: Upper Reflector with Two Piece Reflector: Upper Reflector with Lower Cone. Includes one (1) LF38-CL Lower Baffle. Includes one (1) LF38-CL C6321-WHT-PL C6321-WHT-B Clear Glass Lens. Approved for Wet Clear Glass Lens. Approved for Wet White Reflector/ White Reflector/Black Baffle Locations when Glass Lens is installed. Locations when Glass Lens is installed. Platinum Lower Cone Reflector Reflector Lower Baffle Lower Cone C6321-CLR - Clear C6321-CLR - Clear B - Black CLR - Clear PL - Platinum C6321-WHT - White C6321-WHT - White P - White C6327 Cone Series C6327 Baffle Series Two Piece Reflector: Lower Cone Two Piece Reflector: Lower Baffle with Prismatic Convex Lens with Prismatic Convex Lens 5-3/4-Inch ID. 7-Inch OD. 4-1/4-Inch Height 5-3/4-Inch ID. 7-Inch OD. 4-1/4-Inch Height Two Piece Reflector with Lens: Upper Two Piece Reflector with Lens: Upper Reflector with Lower Cone and Prismatic Reflector with Lower Baffle and Regressed C6327-CLR-PL C6327-CLR-P Convex Lens. Lens has 1-1/2-inch regress. Prismatic Convex Lens. Lens has Clear Reflector/White Lower Baffle/ Regressed Prismatic Convex Lens Clear Reflector/Platinum Lower Cone/ Wet Location Listed. 1-1/2-inch regress. Wet Location Listed. Regressed Prismatic Convex Lens Reflector Lower Cone Reflector Lower Baffle C6327-CLR - Clear C6327-CLR - Clear B - Black CLR - Clear C6327-WHT - White C6327-WHT - White PL - Platinum P - White C6322 Series C6323 Series Specification Grade Reflector Lensed Wall Wash Reflector Trim 5-3/4-Inch ID, 7-Inch OD 5-5/8-Inch ID, 7-Inch OD, 4-1/4-Inch Height 4-1/4-Inch Height Specification Grade Reflector. For Wet Location approved trim, add "-C" for C6322-PL C6323-CLR Clear Specular Reflector Clear Lens or "-SL" for Sandblast Lens Clear Reflector after finish code. C6323-CLR\* - Clear Reflector C6322N-CLR\* - 32° Narrow Beam Clear Specular Reflector C6323-PL\* - Platinum Reflector C6322M-CLR\* - 65° Medium Beam Clear Specular Reflector C6322W-CLR\* - 74° Wide Beam Clear Specular Reflector C6322-PL\* - 59° Platinum Reflector C6323-WHT - White Reflector \*Available with White Panted Flange, add "-WPF" to end of part number

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PROJECT

## **R6 KB SERIES** | Trims for 6-Inch LED Downlights with BIOS SkyBlue™ Technology

### **TRIMLESS OPTIONS**

### Trimless Options require use of Mud Frame accessory (MF6, ordered separately)



Specular Platinum Reflector

CN6322 Series Specification Grade Trimless Reflector

5-7/8-Inch ID, 6-1/4-Inch OD, 4-1/4-Inch H Specification Grade Specular Reflector.

For use with 1/2- to 1-inch ceiling thicknesses only. For Wet Location approved trim, add "-C" for Clear Lens or "-SL" for Sandblast Lens after finish code. **Trim cannot be used on Remodel Housings (R6RM) or with Slope Ceiling Adapters (RSA6L).** 



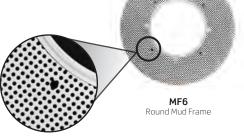
#### CN6323 Series

Trimless Lensed Wall Wash Reflector Trim 5-5/8-Inch ID; 6-1/4-Inch OD

For use with 1/2- to 1-inch ceiling thicknesses only. Cannot be used on Remodel Housings (R6RM) or with Slope Ceiling Adapters (RSA6L).

CN6323-CLR - Clear Reflector CN6323-PL - Platinum Reflector CN6323-WHT - White Reflector

CN6322N-CLR- 32° Narrow Beam Clear Specular ReflectorCN6322M-CLR- 65° Medium Beam Clear Specular ReflectorCN6322W-CLR- 74° Wide Beam Clear Specular ReflectorCN6322-PL- 59° Platinum ReflectorCN6322-WHT- 72° White Reflector



MF6 Series Round Mud Frame 12-Inch OD

**Required for use with trimless options.** Die-cast Ring with Steel Mesh Frame. Painted white.

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## R4 and R6 LED Downlights with BIOS SkyBlue™ Circadian Lighting Technology

### **PRODUCT DETAILS**

### Dynamic 24-Hour Lighting Solutions to Regulate Circadian Systems and Create Healthier Spaces

BIOS SkyBlue<sup>™</sup> Circadian Lighting Technology brings the benefits of blue skies inside by emulating the makeup of nature's light spectrum.

Light sends signals to the body that create biological responses, many associated with the body's internal 24-hour clock, or circadian system. These signals can impact mood, hormone production, energy levels, alertness, fatigue and more.

BIOS LEDs are expertly designed to generate psychological and biological responses, offering the most comprehensive approach to wellness lighting. BIOS LEDs provide high daytime stimulus by pin-pointing the peak sensitivity of the 'sky blue' visible light spectrum wavelengths, approx. 490nm, needed to effectively communicate and trigger circadian response.

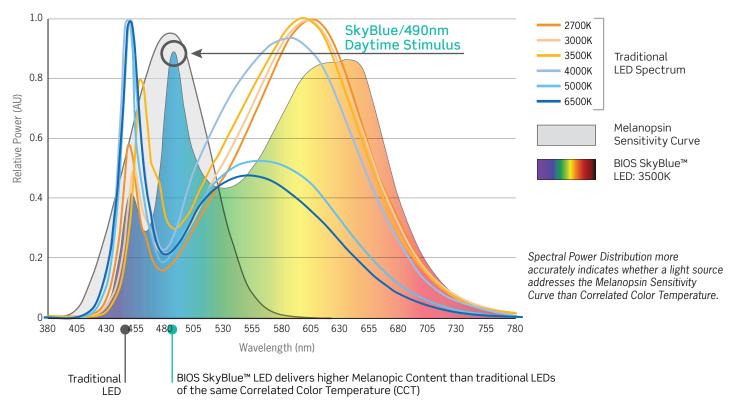
### **BIOLOGICAL BENEFITS**

- Strengthens Your Circadian Rhythm
- Increases Alertness
- Enhances Productivity
- Boosts Mood
- Promotes a Better Night Sleep

### PERFORMANCE COMPARISONS

### Spectral Power Composition and M/P Ratios: BIOS SkyBlue™ LED Compared to Traditional LEDs

The body's biological response to light can be measured by the melanopic (non-visual) to photopic (visible light) ratio called the M/P ratio. During the day, a high M/P ratio is optimal, while at night a low M/P ratio is best.



For additional information, visit www.bioslighting.com

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### R4 and R6 LED Downlights with BIOS SkyBlue™ Circadian Lighting Technology

### CIRCADIAN LIGHTING SOLUTIONS: TUNABLE AND STATIC BIO-DIMMING™ MODULES







- Senior Living
- Hospitality
- Factories
- Residential
- Neonatal Intensive Care Unit/NICU

BIOS SkyBlue **Tunable** Bio-Dimming is best suited for 24-hour facilities or evening applications, where full light output is desired as the day progresses, but also a need to minimize circadian impact in the evening.

When dimming, the sky blue wavelengths are removed first, resulting in a modest color temperature shift to 2700K. This provides both psychological and biological benefits without a harsh change in CCT. This shift occurs within the first 20% of the dimming profile.

In the remaining 80% of the dimming profile, light output is reduced, enabling a standard linear reduction of the sky blue depleted spectrum.

Tunable Bio-Dimming adds the ability to fine-tune and dim-down the sky blue signal as desired, calibrate light levels and regulate spectral changes.

Compatible with all standard dimming and control protocols, making installation easy and inexpensive.

### Static Bio-Dimming<sup>™</sup> Module

- Schools
- Offices
- Healthcare Facilities
- Factories

BIOS SkyBlue **Static** Bio-Dimming supports proper daytime circadian stimulus, best suited for day-only applications.

Retail

Sports Facilities

Outpatient Clinics

- Color of light remains constant throughout the day:
- 490nm 'Blue Boost' does not reduce during the day
- Apparent CCT of 3000K, 3500K or 4000K remains constant
- High Melanopic to Photopic (m/p) ratio:
- While m/p ratio will remain constant if light level is dimmed, EML (Equivalent Melanopic Lux) and CS (Circadian Stimulus) values will be affected due to reduced vertical illuminance

A steady, but invisible, sky blue signal boost to white light is delivered throughout the day for high daytime circadian stimulus. When dimming, these sky blue wavelengths remain as overall light intensity is dimmed down.

Compatible with all standard dimming and control protocols, making installation easy and inexpensive.

### **BIO-DIMMING™ PROTOCOLS**

TUNABLE BIO-DIMMING PROTOCOL											
DIMMER LEVEL	ССТ	SKYBLUE %	LIGHT OUTPUT								
100%	Initial CCT 3000K/3500K/4000K	100%	100%								
99% - 81%	Gradual Shift down to 2700K	100% - 0%	100%								
80%	2700K	0% No SkyBlue Wavelengths	100%								
79% - 0%	2700K	0% No SkyBlue Wavelengths	Linear Dimming								

STATIC BIO-DIMMING PROTOCOL										
DIMMER LEVEL	LIGHT OUTPUT									
100%	Initial CCT 3000K/3500K/4000K	100%	100%							
99% - 0%	Initial ССТ 3000к/3500к/4000к	100%	Linear Dimming							

For additional information, visit www.bioslighting.com





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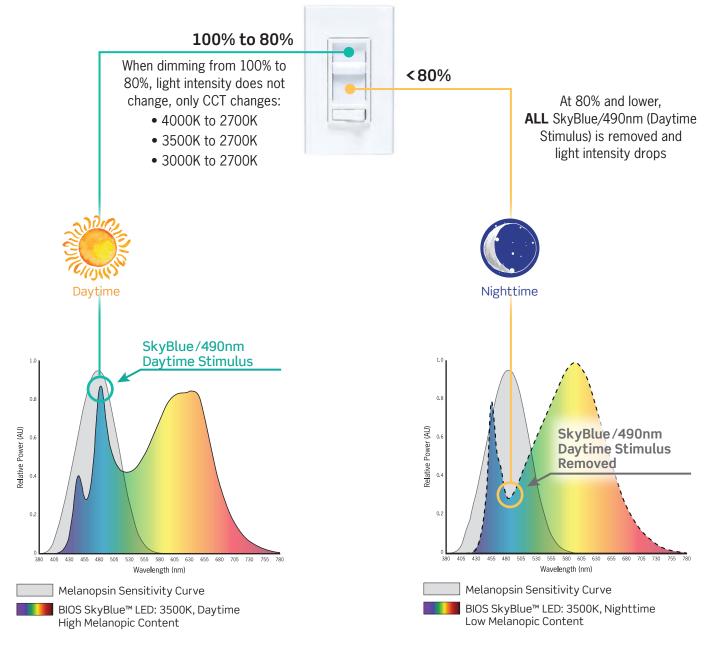
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### R4 and R6 LED Downlights with BIOS SkyBlue™ Circadian Lighting Technology

### TUNABLE BIO-DIMMING™



For additional information, visit www.bioslighting.com



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### R4 and R6 LED Downlights with BIOS SkyBlue™ Circadian Lighting Technology

### WELL BUILDING STANDARDS

BIOS SkyBlue<sup>™</sup> LED contributes to satisfying Circadian Lighting Design Features and meets other features within the WELL Light Concept, including color quality and visual comfort metrics; helping buildings deliver more thoughtful and intentional spaces that enhance human health and well-being.

### **Circadian Lighting Design**

WELL v2™ Feature L03

Provide users with appropriate exposure to light for maintaining circadian health and aligning the circadian rhythm with the day-night cycle

\*EML (Equivalent Melanopic Lux) is a measurement of the effect of both natural and electric light on the human circadian rhythm.

### BIOS SkyBlue<sup>™</sup> LED



Maintains Lighting Design Intent

- Highest M/P Ratio for a given CCT
- Most effective technology to help meet EML\* vertical light requirements

### **Traditional White LED**



### Increase Fixture Quantity

- More luminaires required to achieve higher light levels on vertical surfaces
- Increases energy use and lighting power density within the space

### **Glare Control**

WELL v2™ Feature LO4

Manage glare by using strategies, such as calculation of glare and choosing the appropriate light fixtures for the space



Visually Comfortable / Energy Efficient

- Higher M/P Ratio means fewer luminaires needed to illuminate the space
- Naturally minimizes amount of glare



Increase Glare / Increase Energy

- Higher output luminaires are needed within the space to meet EML targets
- Increases energy use
- Probability of increased glare and visual discomfort in the space

### **Electric Light Quality**

WELL v2™ Feature L07

Develop and implement strategies to create a visually comfortable lighting environment



Desirable CCT / Great Color Quality • 80+ CRI • Ultra High R9 (>90)



Increase CCT / Decrease Color Quality

- Higher CCTs (5000K, 6500K) required to achieve the target EML values
- Does not meet R9 requirements

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### **R6 KB SERIES** | 6-Inch LED Downlights with BIOS SkyBlue™ Technology Dimming Specifications

- Incandescent 120VAC Dimmers adjust the light with Forward Phase Control, where the Dimmer "chops" the forward part of the AC Wave to deliver less or more power to the light source. No Neutral Wire Connection required.
- Electronic Low Voltage 120VAC Dimmers adjust the light with *Reverse Phase Control*, where the Dimmer "chops" the back part of the AC Wave to deliver less or more power to the light source. Neutral Wire Connection required.
- 0-10V DC Low Voltage Dimmers operate using two (2) Low Voltage Dimming Wires that are separate from the 120VAC or 277VAC power. The Dimmer sends a Variable Output Voltage to the luminaire based upon the dimming level. 10V Corresponds to undimmed operation, 5V to 50% and so on. Switching On/Off is controlled with the line voltage power (120VAC or 277VAC) input to the Dimmer. Dimming operation is controlled with the 0–10V DC Low Voltage Wiring Connection between the Dimmer and the LED Driver. The Control Signal runs on two (2) low voltage control wires color coded Violet and Pink.
- Lutron EcoSystem Drivers provide continuous dimming from 1%–100%. For a complete list of compatible Dimmers and Controls, visit www.lutron.com.
- Use DALI approved Controls for dimming eldoLED ECOdrive, 1% Dimming (Dimming Option D7 or MVD7) and eldoLED SOLOdrive, 0.1% Dimming (Dimming Option D9 or MVD9).

			TRIAC, ELV, 0-10V DIMMING (12D, 27D or MVD Option*)	eldoLED ECOdrive 0-10V (12D6, 27D6 or MVD6 Option)	eldoLED SOLOdrive 0-10V (12D8, 27D8 or MVD8 Option)
Manufacturer	Product	Model	Light Output	Light Output	Light Output
Leviton	IllumaTech	IPI06-1LZ	1%-100%	N/A	N/A
Leviton	SureSlide	6631-2	1%-100%	N/A	N/A
Leviton	Vizia	VPE06	9%-100%	N/A	N/A
Leviton	Trimatron	6683-IW	6%-100%	N/A	N/A
Leviton	Decora	6161	15%-100%	N/A	N/A
Leviton	SureSlide	6633-P	1%-100%	N/A	N/A
Leviton	IllumaTech	IPE04	6%-100%	N/A	N/A
Leviton	IllumaTech	IP710-DLX	N/A	1%-100%	0.1%-100%
Cooper	Devine	DLC03P	1%-100%	N/A	N/A
Cooper	Skye	SLC03P	0%-100%	N/A	N/A
Cooper	Decorator	DAL06P	0%-100%	N/A	N/A
Pass & Seymour	Titan	CD4FB-W	N/A	1%-100%	0.1%-100%
Synergy		ISD BC	N/A	1%-100%	0.1%-100%
Watt Stopper	Miro Decorator	DCLV1	N/A	1%-100%	0.1%-100%
Lutron	Ariadni	TGCL-153P	1%-100%	N/A	N/A
Lutron	Ariadni	TG-600P	13%-100%	N/A	N/A
Lutron	Diva	DVCL-153P	1%-100%	N/A	N/A
Lutron	Diva	DV600P	6%-100%	N/A	N/A
Lutron	Diva	DVELV303P	6%-100%	N/A	N/A
Lutron	Diva	DVTV	N/A	1%-100%	0.1%-100%
Lutron	Faedra	FAELV500	12%-100%	N/A	N/A
Lutron	Lumea	LG600P	8%-100%	N/A	N/A
Lutron	Maestro	MAELV600	16%-100%	N/A	N/A
Lutron	Nova	NFTV	N/A	1%-100%	0.1%-100%
Lutron	Nova T	NTFTV	N/A	1%-100%	0.1%-100%
Lutron	Skylark	S-603PG	5%-96%	N/A	N/A
Lutron	Skylark	S600P	5%-100%	N/A	N/A
Lutron	Skylark	SELV300P	10%-100%	N/A	N/A
Lutron	Skylark	CT103P	9%-100%	N/A	N/A

\*277V Triac Dimming is not available

#### NOTES

- $1. \ensuremath{\,{\rm Testing}}$  was performed with a single luminaire connected to Dimmer.
- 2. Testing has been performed on these Dimmers, but this does not imply any warranty of compatibility.
- 3. Dimming performance can be influenced by different Loads, as well as variations in Dimmer Switches within the same Model.
- 4. Dimmer Maximum Load Rating with LED may differ from published Traditional Source Dimmer Ratings. Consult manufacturer for maximum Dimmer information.

5. Consult factory for additional dimming information.

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