

**APPLICATION**

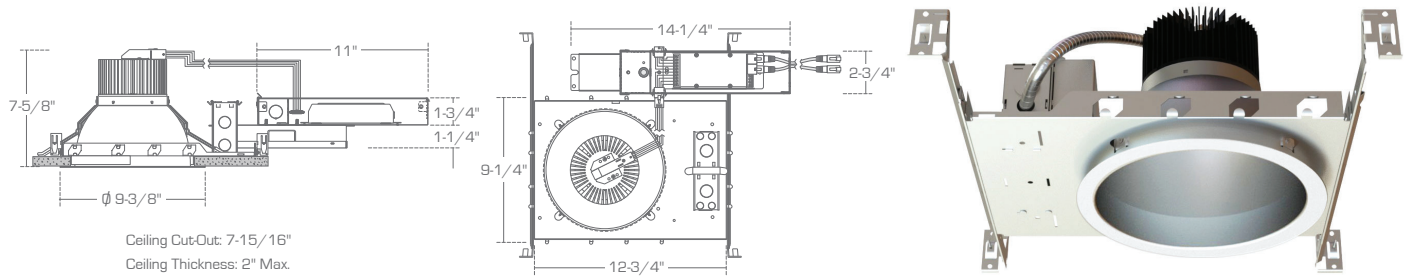
For the use of direct ambient and/or accent lighting. To install as recessed in ceilings. Perfect for applications desiring a dynamic color changing effect. Recommended for retail, modern residential, hospitality and entertainment installations. RGBW design allows fine-tuned pastel colors, saturated hues without sacrificing illumination brightness. DMX control option allows the use of DMX512 Control Systems to

individually control and change colors, set looks, and add lighting effects which can affect moods, feelings and atmosphere.

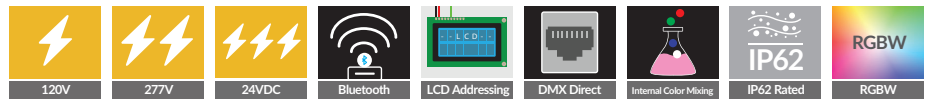
- For New Construction, Remodel and Retrofit Applications.
- 48W 1400 Max. Lumen
- DMX control via LCD screen selection
- IP62 Rated
- Proprietary quick connectors included
- LED Die Colors: RGBW
- Static Colors Available

- Using InternaMix™ proprietary technology, colors are efficiently blended together through an internal mixing chamber. The one-color output reduces unsightly views of isolated rainbow-like striations.
- Smooth and flicker-free dimming of all colors down to 1% using patented color mixing and dimming technologies developed at Philips Color Kinetics®
- 5-Year Warranty

**DIMENSIONS**



Ceiling Cut-Out: 7-15/16"  
 Ceiling Thickness: 2" Max.



**ORDERING** - Example: SR8WW/SH8-FRM/PWR

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HOUSING FRAME	FINISH	MOUNTING	POWER & CONTROL METHOD
<b>SR8</b>	<b>WW:</b> White Reflector/White Ring <b>SW:</b> Satin Reflector/White Ring <b>BB:</b> Black Reflector/Black Ring	<b>Blank:</b> Remodel <b>/SH8-FRM:</b> Optional Mounting Frame	<b>/PWR:</b> Remote 36V PWM Dimming* <b>/PPDMX10:</b> 120V/277V DMX Dimming <b>/PPDBT10:</b> 120V/277V BlueTooth Dimming

\*Remote Power Supply and Data Enabler Required.

**ACCESSORIES**

72" RJ45 Extension • SWR2RJ45-BK-72	SWR2RJ45-BK-72	DMX RJ45/Terminal Block Coupler • PCL003	PCL003
RJ45 DMX Terminator • PCL002	PCL002	RJ45 Coupler • PCL004	PCL004

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## SPECIFICATIONS

### OUTPUT

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Beam Angle: 60°

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Lumens: 1400 Max. Lumen

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LED Channels: Red/Green/Blue/White (4,000K)

LED Die Colors: Red (620-635nm), Green (520-535nm),

Blue (450-465nm) and Neutral White (4000K)

### ELECTRICAL

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Input Voltage: 120V, 277V, and 34V DC available

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Power Consumption: 48W

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### CONTROL

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Interface: DMX Control via LCD screen selection

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Control System: DirectDMX Color Control. Color controlled with USITT DMX512A Standard Protocol to work with Coloronix or 3rd Party DMX Systems. DMX Data fed to housing via proprietary 3-wire data cable. Data Input/Output ports allow daisy-chaining of DMX Signal.

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Dimming: Smooth and flicker-free dimming of all colors down to 1% using Patented Color Mixing and Dimming technologies developed at Philips Color Kinetics<sup>®</sup>

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Color Mixing: Using InternaMix<sup>™</sup> proprietary technology, colors are efficiently blended together through an internal mixing chamber. The one-color output reduces unsightly views of isolated Red, Green and Blue Diodes for a seamless rainbow-free appearance.

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Wireless Bluetooth Control: Bluetooth control via wireless data enabler. Call up standard colors or shows. One Bluetooth enabler per zone. Each fixture is individually controlled. Not recommended for large scale installations or where programming requires intensive dynamic color syncing across fixtures.

### LUMEN MAINTENANCE

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L70 Life: 35,000 Hours for ambient temperatures under 85°F.

### PHYSICAL

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Dimensions (Height x Width x Length): 7-5/8" x 9-1/4" x 12-3/4"

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Housing Material: Made of heavy gauge cold-rolled steel to protect light emitting diodes, other electronics and preserve optical alignment. Integral junction box provides easy access for electrical maintenance, via remodeling clips. Steel Blades/Springs installed on trim for a tight gap-free installation onto housings. Recommended for ceiling thickness up to 0.75".

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Lens: Polycarbonate

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Connections: Standard wiring for power in, RJ45 for DMX In/Out

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Mounting: Steel pressure springs mounted on trim to ensure positive retention.

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Temperature Range: 0°F - 120°F Ambient

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### CERTIFICATION

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Complies to UL1598 and ANSI/UL 8750.

Damp Location Rated. IP62 Protection.

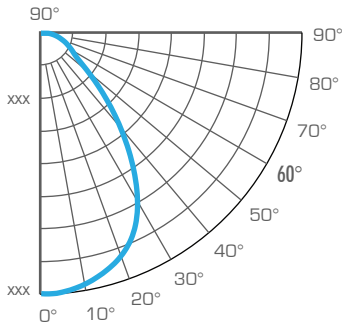
### WARRANTY

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5-Year Warranty

**PHOTOMETRY**

**CANDELA TABULATION**



**FOOTCANDLE CALCULATION: SR8**

Height	Beam Diameter	FC	Height	Beam Diameter	FC
6'	9.8'	20	8'	13.1'	11
8'	13.1'	11	12'	19.6'	5
10'	16.3'	7	16'	26.1'	3
12'	19.6'	5	20'	32.6'	2
14'	22.8'	4	24'	39.2'	1

**SR8SW/PWR - ALL COLORS (102.2 W, 360 nm)**

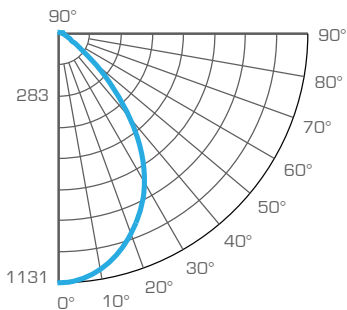
Power:	: 102.2 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 78.1°
Field Angle 10%:	: 113.9°
Nanometer:	: 360 nm
Lm Delivered:	: 1810 lm
CBCP:	: 1113 cd
Power Factor:	: 1.0 pf

**FOOTCANDLE DISTRIBUTION**

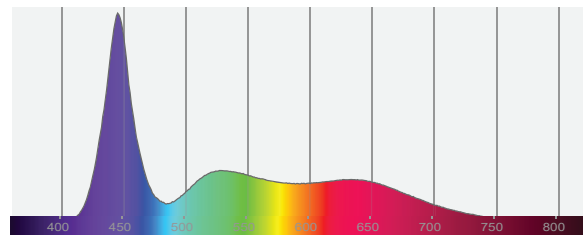
Height	Beam Diameter	FC *	Height	Beam Diameter	FC *
6'	9.7 ft	31 fc	8'	13 ft	17 fc
8'	13 ft	17 fc	12'	19.5 ft	8 fc
10'	16.2 ft	11 fc	16'	25.9 ft	4 fc
12'	19.5 ft	8 fc	20'	32.4 ft	3 fc
14'	22.7 ft	6 fc	24'	38.9 ft	2 fc

\*at center of beam

**CANDELA TABULATION**



**SPECTRAL DISTRIBUTION CHART: SR8SW/PWR - ALL COLORS**



Nanometer (nm) : 360 nm

**SR8SW/PWR - BLUE (28.8 W, 450 nm)**

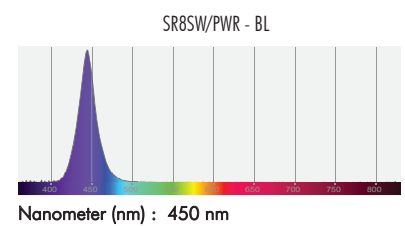
Power:	: 28.8 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 77.5°
Field Angle 10%:	: 113.7°
Nanometer:	: 450 nm
Lm Delivered:	: 110 lm
CBCP:	: 67.0 cd
Power Factor:	: 0.99 pf

**FOOTCANDLE DISTRIBUTION**

Height	Beam Diameter	FC *
1'	1.6 ft	67 fc
2'	3.2 ft	17 fc
3'	4.8 ft	7 fc
4'	6.4 ft	4 fc
5'	8 ft	3 fc

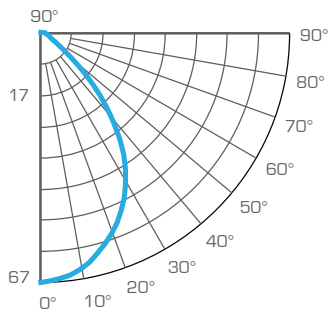
\*at center of beam

**SPECTRAL DISTRIBUTION CHART**



Nanometer (nm) : 450 nm

**CANDELA TABULATION**



**SR8SW/PWR - GREEN (26.9 W, 549 nm)**

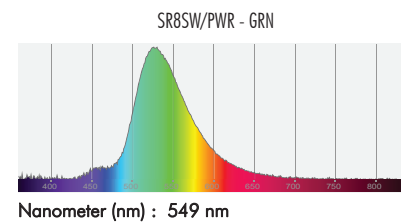
Power:	: 26.9 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 76.9°
Field Angle 10%:	: 112.3°
Nanometer:	: 549 nm
Lm Delivered:	: 821 lm
CBCP:	: 523 cd
Power Factor:	: 0.99 pf

**FOOTCANDLE DISTRIBUTION**

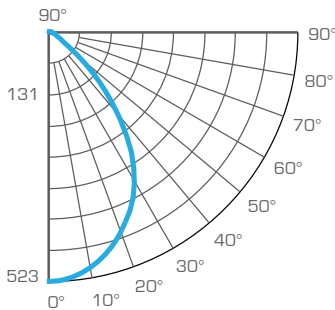
Height	Beam Diameter	FC *
6'	9.5 ft	15 fc
8'	12.7 ft	8 fc
10'	15.9 ft	5 fc
12'	19 ft	4 fc
14'	22.2 ft	3 fc

\*of center of beam

**SPECTRAL DISTRIBUTION CHART**



**CANDELA TABULATION**



**SR8SW/PWR - RED (34.9 W, 618 nm)**

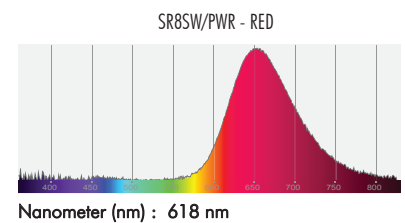
Power:	: 34.9 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 77°
Field Angle 10%:	: 112.3°
Nanometer:	: 618 nm
Lm Delivered:	: 159 lm
CBCP:	: 100 cd
Power Factor:	: 0.99 pf

**FOOTCANDLE DISTRIBUTION**

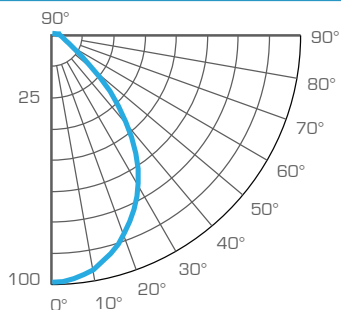
Height	Beam Diameter	FC *
6'	9.5 ft	3 fc
8'	12.7 ft	2 fc
10'	15.9 ft	1 fc
12'	19.1 ft	1 fc
14'	22.3 ft	1 fc

\*of center of beam

**SPECTRAL DISTRIBUTION CHART**



**CANDELA TABULATION**



**SR8SW/PWR - WHITE (29.7 W, 76.6°, 886 nm)**

Model N.:	: SR8SW/PWR-WHT
Power:	: 29.7W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 76.6°
Field Angle 10%:	: 111.2°
CCT (Color Temp):	: 4067 K
CRI Value:	: 83.1
R9 Value:	: 11.4
lm Delivered:	: 884 lm
CBCP:	: 585 cd
Power Factor:	: 0.99

**FOOTCANDLE DISTRIBUTION**

Height	Beam Diameter	FC *	Height	Beam Diameter	FC *
6'	9.5 ft	16 fc	8'	12.6 ft	9 fc
8'	12.6 ft	9 fc	12'	18.9 ft	4 fc
10'	15.8 ft	6 fc	16'	25.3 ft	2 fc
12'	18.9 ft	4 fc	20'	31.6 ft	1 fc
14'	22.1 ft	3 fc	24'	37.9 ft	1 fc

\*at center of beam

\*at center of beam

**CANDELA TABULATION**

