coloronix®
COLORFUL ARCHITECTURAL ILLUMINATION
RGBW.COM

SR49LED71
4"x 9" RGBW RECESSED WALL WASH
DMX/BLUETOOTH

CATALOG NO. _____

TYPE _____

PROJECT _____

APPLICATION

For the use of wall wash or accent lighting. To install as recessed in ceilings. Belongs to C70 series family. Perfect for applications desiring a dynamic color changing effect. Recommended for retail, modern residential, hospitality and entertainment installations.
Miniature downlight recommended for low to medium height ceilings. RGBW design allows fine-tuned pastel colors and saturated hues without sacrificing illumination brightness.

ELECTRICAL

Power Input:
Direct 120V-240V AC input comes standard. Available with 24DC or 120V-277V options. 0.15A Max.
See ordering guide below.

Power Input Connection:
Direct Line Voltage hard-wired inside electrical junction box. Standard knock-out conduit entries with multiple sizes for through wiring.

Power Consumption:
0.1-40W.
(Stand-by wattage not included).

PHYSICAL

Environment:
IC rated for direct contact with loose insulation.

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

Housing Finish:
Painted black to eliminate stray light leaks.

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

Temperature Rating: 0°F - 120°F Ambient.

12¼"

4¾"

8"

Ceiling Opening : 9³⁄₁₆" x 5"

COLOR DETAILS

DirectDMX Color Control:
Color controlled with USITT DMX512A Standard Protocol to work with Coloronix or 3rd Party DMX Systems such as the Color Kinetics® iPlayer 3. On board Dip Switches inside the Data Enabler allow selecting of DMX addresses between 1-512 in a given DMX universe. DMX Data fed to housing via standard RJ45 connectors. Data Input/Output ports allow daisy-chaining of DMX Signal.

Wireless Bluetooth Control:
Bluetooth control via wireless data enabler. Call up standard colors or shows. One Bluetooth enabler per zone. Each fixture is indivudually controlled.

Color Mixing:
Using InternaMix™ 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.
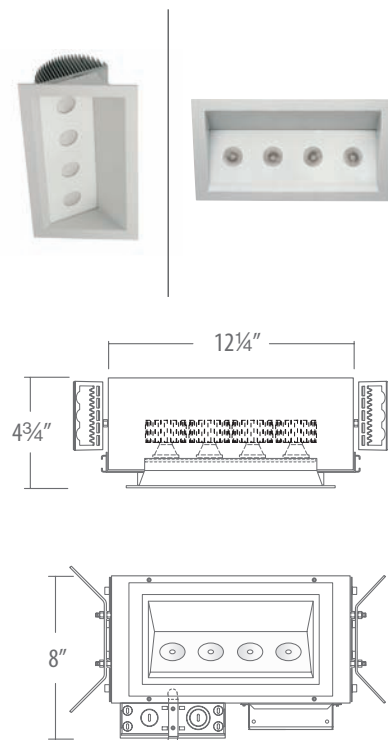
Dimming:
Smooth and flicker-free dimming of all colors down to 1% using Patented Color Mixing and Dimming technologies developed at Philips Color Kinetics®

Static Color Available:
All Std. Colors, Consult Factory.

LED Die Colors:
Red (620-635nm)   Blue (450-465nm)
Green (520-535nm)   Neutral White (4000k)

COMPATIBILITY

Accessories:
SWR2RJ45-BK-72: 72" RJ45 Extension
PCL002:   RJ45 DMX Terminator
SDEBT-24VRGBW-400:   200W 4-Channel

PCL003:   DMX RJ45/Terminal Block Coupler
PCL004:   RJ45 Coupler
   HB24:   T-Bar/Wood Joist Hanger Bars

SAFETY

ETL Listed Complies to UL1598 and ANSI/UL 8750.
Damp Location Rated.
IP62 Protection.

ORDERING

▶ example: SH49LDC70RGBWV024/SR49LED71W

HOUSING	CONTROL	POWER INPUT	FINISH
SH49LDC70RGBW	**Blank** : DMX **-WALIB** : Wireless Bluetooth	**Blank** : 120V-240V AC **V024** : 24V DC **V277** : 120V-277V AC	**/SR49LED71W**: White

Licensed by:
PHILIPS
sense and simplicity

COLORONIX®
COLORFUL ARCHITECTURAL ILLUMINATION
RGBW.COM

SR49LED71

LED 4"x 9" WALL WASH LUMINAIRE
WITH DIFFUSE REFLECTORS
AND PRISMATIC FROSTED FLAT PLASTIC LENS

TEST INFORMATION

REPORT LAB/NO.   : LIGHTING SCIENCES/28873
Number of Array   : (4) Four LED arrays
Luminaire Output   : 1050 LMS
Color Temperature : 4000K
Driver Information : (1) Coloronix 40 Watt Driver
operating at 120V AC and 43.0 Watts.

ZONAL LUMEN AND PERCENTAGES

ZONE	LUMENS	%LUMINAIRE
0 - 30	388.74	37.14
0 - 40	681.5	64.98
0 - 60	985.34	93.86
0 - 90	1049.91	100.00
90 -120	0	35.02
90 -130	0	6.14
90 -150	0	0.00
90 -180	0	100.00
0 -180	1049.91	100.00

RECOMMENDED CEILING INSTALLATION

CEILING HEIGHT	SPACING	DISTANCE FROM WALL
8'	6' OC	27"
10'	7' OC	39"

INTENSITY (CANDLEPOWER) DATA

ALONG 0°				SIDE 45.0°				ACROSS 90°°			
ANGLE	INTENSITY	ANGLE	INTENSITY	ANGLE	INTENSITY	ANGLE	INTENSITY	ANGLE	INTENSITY	ANGLE	INTENSITY
0.0	234.0	50.0	90.0	0.0	234.0	50.0	372.0	0.0	234.0	50.0	372.0
5.0	234.0	55.0	72.0	5.0	336.0	55.0	234.0	5.0	366.0	55.0	210.0
10.0	228.0	60.0	54.0	10.0	468.0	60.0	144.0	10.0	642.0	60.0	132.0
15.0	216.0	65.0	42.0	15.0	618.0	65.0	96.0	15.0	1086.0	65.0	90.0
20.0	204.0	70.0	30.0	20.0	786.0	70.0	66.0	20.0	1560.0	70.0	0.0
25.0	186.0	75.0	12.0	25.0	894.0	75.0	24.0	25.0	1890.0	75.0	0.0
30.0	162.0	80.0	6.0	30.0	912.0	80.0	0.0	30.0	1962.0	80.0	0.0
35.0	150.0	85.0	0.0	35.0	846.0	85.0	0.0	35.0	1662.0	85.0	0.0
40.0	138.0	90.0	0.0	40.0	690.0	90.0	0.0	40.0	1104.0	90.0	0.0
45.0	108.0			45.0	510.0			45.0	666.0		

CANDLEPOWER DISTRIBUTION