

## DESCRIPTION

specialtyLED's RGBWRD recessed downlight features an extremely thin design which provides even illumination with no visible hot spots or shadows. Unlike standard solid white LED downlights, color-changing downlights have a wide variety of installation options including setting a mood in a restaurant or school, adding rolling color in a coffee shop, or being a colorful backdrop in a bar. These colorful downlights are extremely versatile in their uses and are only limited by your imagination. New construction applications only.

## SPECIFICATIONS

### Construction:

- Available in 4", 6", 8" and 11" configurations
- Die-cast aluminum frame with white finish

### Optics/LEDs:

- Polycarbonate diffuser
- SMD2835 RGBW Epistar chips, gold wire, low light decay:
  - R: 620-630nm
  - G: 520-525nm
  - B: 460-470nm
  - W: 2700K-6500K CCT
- CRI ≥80
- Beam angle: 170°

### Electrical:

- Input 24VDC (Purchase with either D-JB or RF accessory for 120VAC input)
- 2W to 20W depending on color

### Available Accessories:

- STICK-KE2: Indoor 1024 channel DMX controller, controls up to six units on a single address. See [STICK-KE2](#) spec for more information
- POWER4M: 6VDC, 0.65A Power adapter for STICK-KE2
- LE-DC4CH: Bluetooth RGBW Fixture Controller 4 Channels. Must be mounted to D-JB junction box. Provides standalone control via LiteLogic app to create static color scenes, light level dimming and schedules. See [LE-DC4CH](#) spec for more information
- RF: LED control/driver combination with hand held remote
- D-JB: Addressable decoder with driver to connect to a building DMX, includes junction box

### Testing & Compliance:

- IP40 Rated
- Operating temperatures: -20°C to 50°C (-4°F to 122°F)

### Installation:

- Suitable for new construction applications only

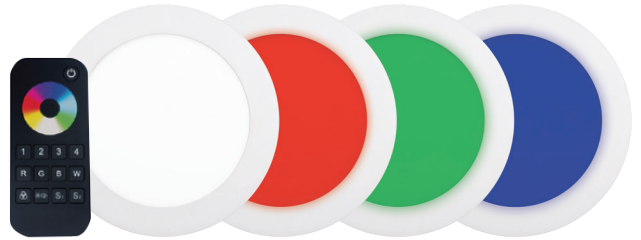
### Warranty:

- Five year limited warranty (Terms and Conditions Apply)

# RGBWRD Series

## RGB and Tunable White LED Recessed Downlight

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
Accessories: \_\_\_\_\_  
Job Name: \_\_\_\_\_ Type: \_\_\_\_\_



Hand Held Remote,  
Includes Driver (RF)



Decoder/Driver Combination Accessory  
Includes J-Box (D-JB)



Sping Clips for  
Easy Installation



Specs at a Glance		* Nominal Wattage		
Configuration	RGBWRD4	RGBWRD6	RGBWRD8	RGBWRD11
White Wattage*	6W	10W	15W	20W
RGB Wattage*	2W (each color)	3W (each color)	5W (each color)	6W (each color)
CCT (K)	R: 620-630nm G: 520-525nm B: 460-470nm W: 2700K-6500K CCT			
Efficacy (LPW)	75			
CRI	≥80			
Input Voltage	24VDC (Purchase with either D-JB or RF accessory for 120VAC input)			
Certifications	UL Listed, IP40 Rated			
Operating Temp	-20°C to 50°C (-4°F to 122°F)			
Warranty	5 Years			

Note: Environment and application will affect performance. Typical values and 25°C used for testing. Specifications subject to change without notice.

ORDERING INFORMATION (Example: RGBWRD8)

Model	Description
RGBWRD4	LED RGB+W Recessed Downlight, 4" Diameter, Red/Green/Blue w/ Tunable White LEDs (2700K - 6500K), 24VDC (Purchase with either D-JB or RF accessory for 120VAC input)
RGBWRD6	LED RGB+W Recessed Downlight, 6" Diameter, Red/Green/Blue w/ Tunable White LEDs (2700K - 6500K), 24VDC (Purchase with either D-JB or RF accessory for 120VAC input)
RGBWRD8	LED RGB+W Recessed Downlight, 8" Diameter, Red/Green/Blue w/ Tunable White LEDs (2700K - 6500K), 24VDC (Purchase with either D-JB or RF accessory for 120VAC input)
RGBWRD11	LED RGB+W Recessed Downlight, 11" Diameter, Red/Green/Blue w/ Tunable White LEDs (2700K - 6500K), 24VDC (Purchase with either D-JB or RF accessory for 120VAC input)

	<b>LiteLogic Accessories<sup>1</sup></b> (Field Installed)
	<b>LE-DC4CH<sup>4</sup></b> = Bluetooth RGBW fixture controller, four channels
	<b>Accessories<sup>1</sup></b> (Field installed)
	D-JB <sup>2</sup> = Addressable Decoder With Driver (120VAC Input) To Connect To A Building DMX, Includes Junction Box
	RF = LED Control/Driver Combination (120VAC Input) With Hand Held Remote
	<b>DMX4-RGB-WHEEL</b> = DMX512, Multi Zone, Touch Panel Controller. 5AX4CH, 24VDC, (Requires DMX4-JBOX for Mounting)
	DMX4-JBOX = Type 86 Junction Box for the DMX4-RGB-Wheel Controller
<b>Notes</b>	<b>STICK-KE2<sup>3</sup></b> = Ribbon Flex, DMX Controller Keypad, Black (Requires POWER4M)
<sup>1</sup> Order as separate line item	<b>POWER4M</b> = 6VDC, 0.65A Power Adapter for STICK-KE2
<sup>2</sup> Does not include RF remote and controller	
<sup>3</sup> Must be ordered with the POWER4M power adapter	
<sup>4</sup> Must be ordered with D-JB accessory - existing controller in power supply box needs to be disconnected (Not compatible with RF accessory/box)	

FIXTURE CONTROLLER DETAILS (LE-DC4CH LiteLogic Accessory)

Model	Maximum Number of Fixtures per Controller
RGBWRD4	10
RGBWRD6	6
RGBWRD8	3
RGBWRD11	2

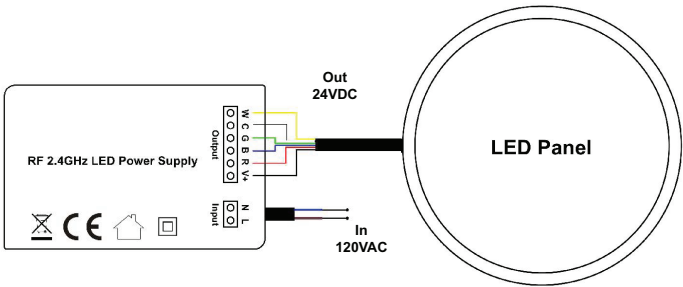


SEE APP FOR  
CONTROLLER SETTINGS

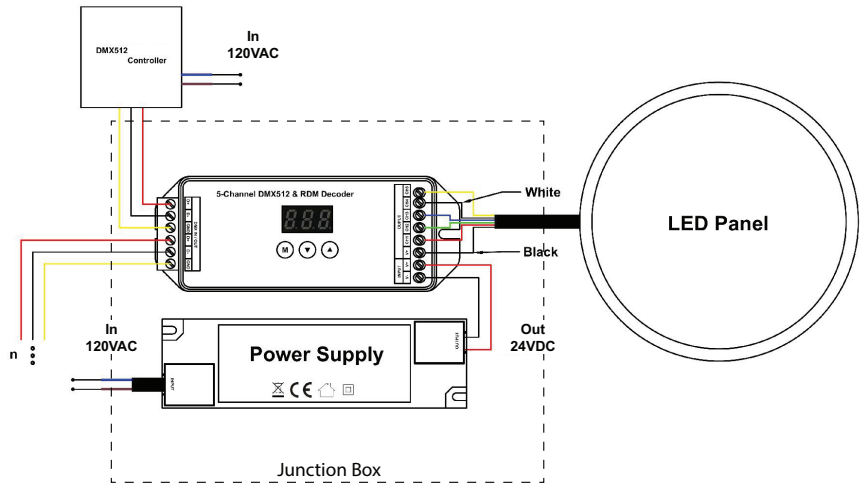
For a complete list of **LiteLogic** compatible products, [click here](#).



WIRING DIAGRAM (RF Accessory)

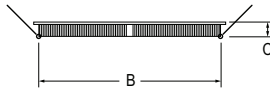
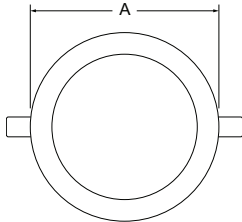


WIRING DIAGRAM (D-JB Accessory)



DIMENSIONS

Model	Trim Diameter (A)	Inside Diameter (B)	Depth (C)
RGBWRD4	4.72"	4.13"	0.472"
RGBWRD6	6.69"	6.10"	0.472"
RGBWRD8	8.85"	8.07"	0.472"
RGBWRD11	11.81"	11.02"	0.472"



Specifications are subject to change without notice.  
Installation must be performed in accordance with  
Barron Lighting Group installation instructions.