

RGBW LED RECESSED DOWNLIGHTS V2

24VDC | RGBW | INDOOR + OUTDOOR

Low-profile, high-efficiency recessed fixtures with a dedicated white channel and a smooth diffuser that minimizes visible LED hot spots.



24VDC INPUT	RGBW COLOR ENGINE	1,920 LUMENS MAX	80 CRI RA	IP20/65 ENVIRONMENT	3 YR WARRANTY
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PRODUCT FAMILY

VARIANT	NOMINAL	OUTPUT	CCT	BEAM	RATING	CUTOUT
7 in Indoor	30 W	1,920 lm	3000K	105 deg	IP20	5.70 in
5 in Indoor	12 W	960 lm	3000K	105 deg	IP20	4.13 in
4 in Indoor	8 W	605 lm	3000K	105 deg	IP20	2.95 in
3 in Outdoor*	12 W	960 lm	3000K	38 deg	IP65	2.95 in

*Outdoor variant available with white or black trim. Indoor models are white trim.

DESIGNED FOR FLEXIBLE SYSTEMS

- Smooth diffuser creates a clean, blended color appearance.
- 24V architecture supports longer wire runs with reduced voltage-drop sensitivity.
- All models use a dedicated 3000K white LED.
- Retrofit- or new-construction-ready spring-clip installation.
- Compatible with Axion DMX controls and other 24V RGBW PWM devices.

CONTROLS + APPLICATIONS

CONTROL

24V RGBW PWM via DMX decoder or compatible controller

APPLICATIONS

Residential, hospitality, retail, entertainment, accent and exterior downlighting

PRODUCT PAGE

Scan for live product information and installation details.



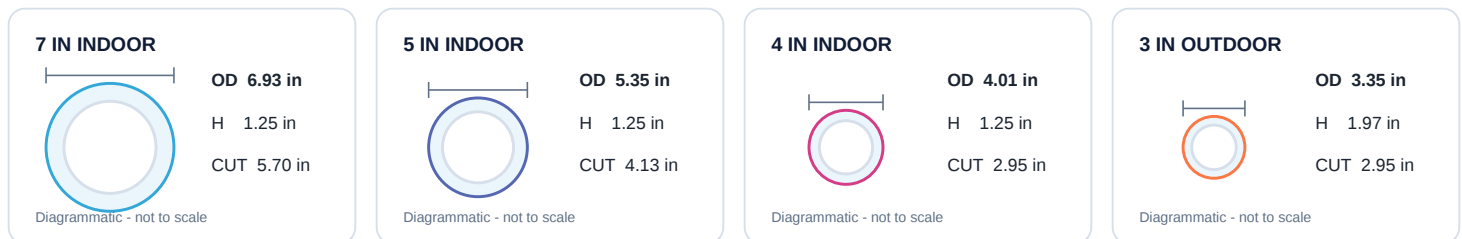
TECHNICAL SPECIFICATIONS

Axion RGBW LED Recessed Downlights V2

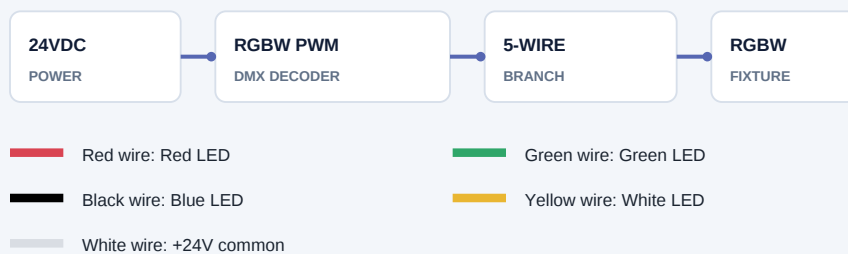
SPECIFICATION	7 IN INDOOR	5 IN INDOOR	4 IN INDOOR	3 IN OUTDOOR
Input voltage	24VDC	24VDC	24VDC	24VDC
Nominal wattage	30 W	12 W	8 W	12 W
Maximum total	37.2 W	19.0 W	12.2 W	19.0 W
Red channel	11.42 W	5.88 W	3.14 W	5.88 W
Green channel	9.82 W	5.16 W	3.07 W	5.16 W
Blue channel	8.23 W	4.20 W	2.90 W	4.20 W
White channel	7.75 W	3.72 W	2.90 W	3.72 W
Delivered output	1,920 lm	960 lm	605 lm	960 lm
White CCT	3000K	3000K	3000K	3000K
Beam angle	105 deg	105 deg	105 deg	38 deg
CRI	Ra 80	Ra 80	Ra 80	Ra 80
Overall size	6.93 x 1.25 in	5.35 x 1.25 in	4.01 x 1.25 in	3.35 x 1.97 in
Cutout diameter	5.70 in	4.13 in	2.95 in	2.95 in
Housing	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Environmental	IP20 / indoor	IP20 / indoor	IP20 / indoor	IP65 / outdoor
Warranty	3 years	3 years	3 years	3 years

Maximum total wattage assumes all RGBW channels are energized concurrently; see power-sizing note below.

DIMENSIONS + CEILING CUTOUTS



WIRING + CONTROL



INSTALLATION ESSENTIALS

- Disconnect the 24V power supply before wiring or servicing.
- Use a compatible 24V RGBW PWM controller; do not connect to a line-voltage dimmer.
- Maintain airflow around the heat sink; do not fully encapsulate the fixture in insulation.
- Bench-test fixtures and wiring before final installation.
- Use equal-length branch runs where practical to reduce voltage-drop and brightness differences.
- Follow all applicable local and national wiring standards.

POWER-SIZING NOTE: Nominal wattage is the intended standard operating draw using a combination of color and/or white channels. Size the power supply and wiring for the maximum total wattage where simultaneous full-output RGBW operation is possible. Driving all channels at once should be limited to short periods to avoid fixture damage. Product data is subject to change.