Radion Lighting: Think Practically.

Choosing EcoTech is easy. Every piece of equipment delivers great capability alone or expands in fucntionality as part of smart connected system. Durability, support and upgrade paths define the EcoTech experience. Radion lighting begins with what you need and grows as your tank develops or you upgrade to a larger system.

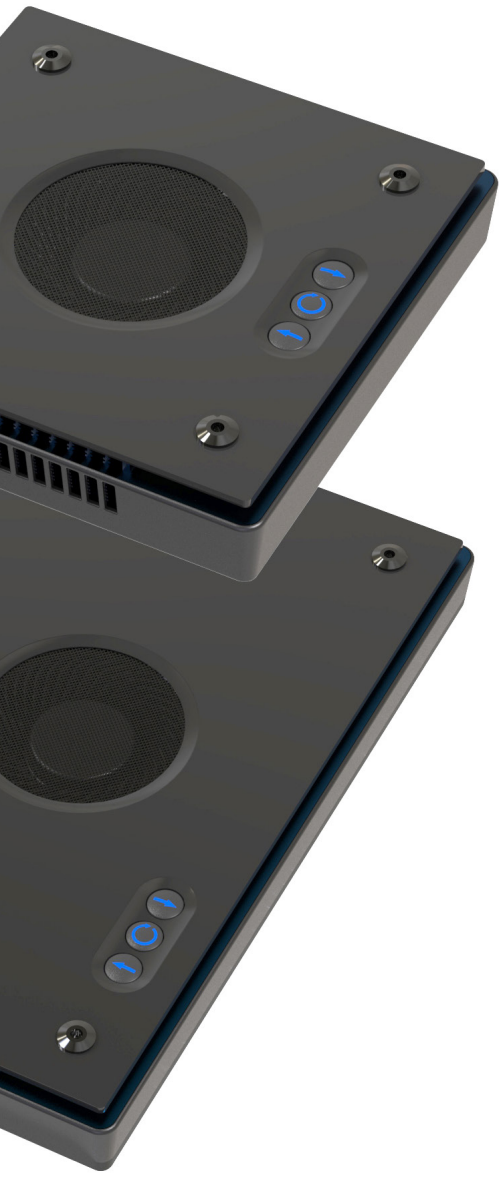
3 Months **12 Months** **24 Months**

When choosing Radion, and all EcoTech equipment, a unique benefit exists to start with what's necessary and only expand as its needed.

- Start with what you need. Equipment can be added incrementally.
- The Reef tank is an evolving environment, requirements will change and increase as it develops.
- Success results from tailoring conditions to match the needs of the biotope.
- Modular, controllable, smart equipment is better because it works easily with changes to aquarium size or needs.

Radion G5

Product Lineup

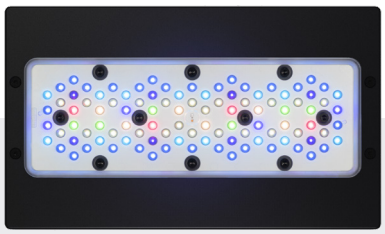


Pro

Powerful. Flexible. Proven.

From Aquaculture to the home aquarium, there is a high likelihood that the coral you know and love has been grown or “colored-up” under a generation of Radion Pros.

Radion XR15 Pro

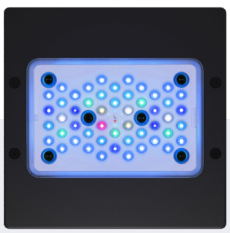


Radion XR30 Pro

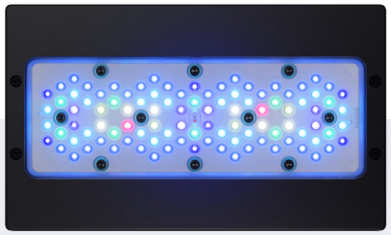
Blue

Put All of Your Power Into Blue

The aquarium light for those who know exactly what they want. The Gen 5 Blue is full-spectrum, but LED selection favors the Blue channels and high output for use with our Corallab AB+ spectrum.



Radion XR15 Blue



Radion XR30 Blue

Radion G5

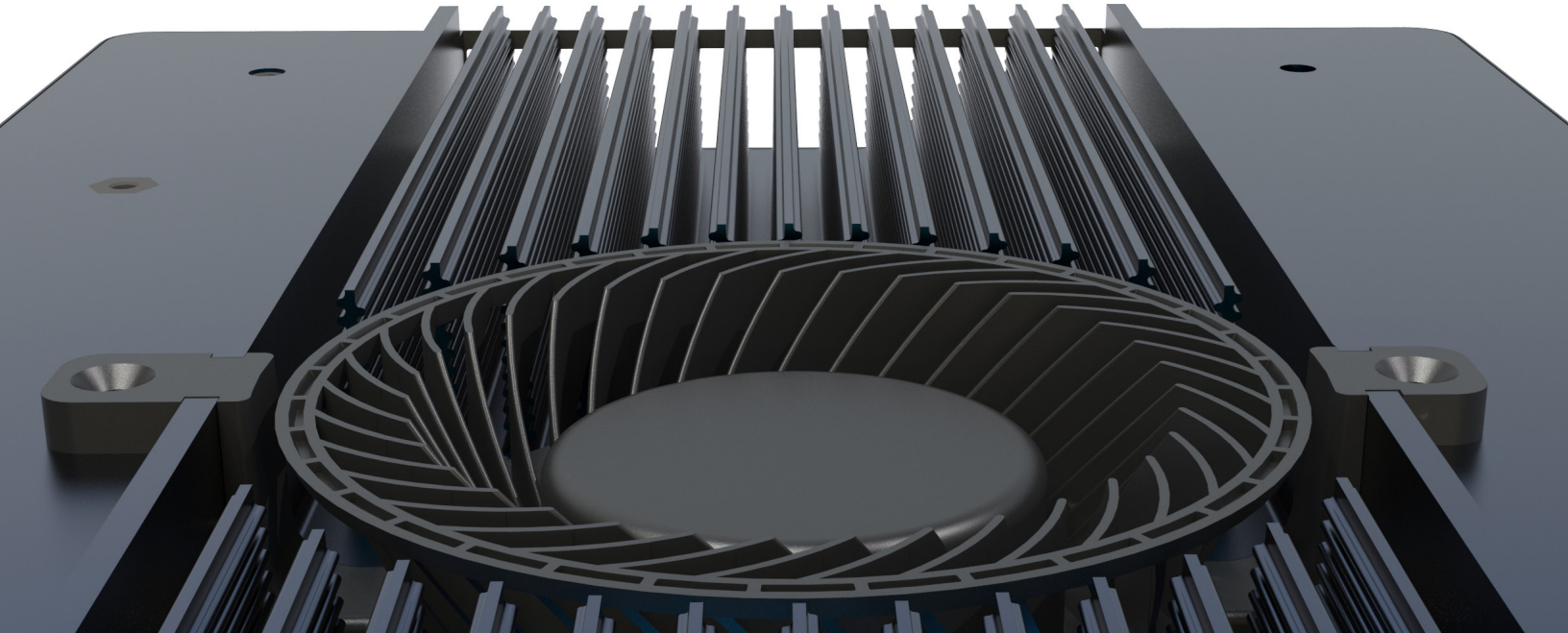
Two Choices

The Radion G5 is a highly evolved lighting system. Previous generations of Radions have lead the industry in control, innovation and successful reef keeping. G5 builds on a proven legacy to deliver the light energy that coral needs with a focus on the aesthetic preference of the reef hobbyist.

The Radion line-up is easily understood. Choosing the right Radion(s) comes down to two simple considerations.

1 **Choose Light Size (for the coral)**
Think: Tank depth and the coral selection (XR15 vs XR30).

2 **Choose Light Color (for you)**
Think: Hobbyist Light Goals (Blue vs. Pro).



1 CHOOSING LIGHT SIZE

XR15 or XR30

Intensity in the coverage area (spread) is the difference between Radion 15 and 30 models. Control channels, spectrum, LED manufacturer and binning are exactly the same. Spread is marginally wider on the 30 than the 15 due to a wider puck. The core difference is therefore the maximum light energy at depth in the aquarium.

Radion XR15

(est. one per 60 gallons)

- Tank is small in size and only needs a single light fixture.
- Tank is shallow (24 inches or less from surface to bottom) Energy at depth is not needed.
- Tank has a lot of rock work and would benefit from multiple/more separate light source locations.
- Tank is dominated by soft or low light corals.
- Budget minded. Start with what's needed and add fixtures over time.

OR

Radion XR30

(est. one per 80 gallons)

- Tank is larger in size (over 100 gallons).
- Tank is deeper (24 inches or more from surface to bottom) energy at depth is desirable.
- Tank is heavily hard coral dominated or will be – and would benefit from intense lighting.
- Planning/Expecting to increase tank size in the future.

2 CHOOSING COLOR PREFERENCE

Pro or Blue

Crazy coral fluorescence or crisp vibrant colors? Set it and forget it or play with your lighting palette?

The Radion G5 lineup avoids traditional lighting compromises by providing the option to have either wide color flexibility or to focus heavily on a proven blue spectrum.

Both members of the lineup are spectrally perfect for coral. That means that the **Aquarist's GOALS** are the best way to decide between Blue and Pro.

Choosing between Blue and Pro is the choice between simplicity and customization.

2 CHOOSING COLOR PREFERENCE

Lighting Goals?

Shared Lighting Goals

Both Blue and the Pro excel:

- Adequate and adjustable output for coral.
- Growth and color maximizing.
- Visually appealing lighting.
- Templates to facilitate successful programming.

Goals Accomplished by the

Radion Blue

- **Easy and Just Works.** The Blue's spectrum is both proven and forgiving. Run all color channels at full and then simply adjust the overall intensity for your tank.
- **Maximum Fluorescence.** You like the neon glow of coral, BLUE delivers like an Ibiza rave.
- **Maximum Output for Your Fixture $.** A strange metric to be sure – but you feel slighted because you are not able to blast blue light with all the available energy the fixture can handle – well the day is finally yours!
- **You Love Blue.** The BLUE produces more BLUE light than any other aquarium light in the history of aquarium lights.

Goals Accomplished by the

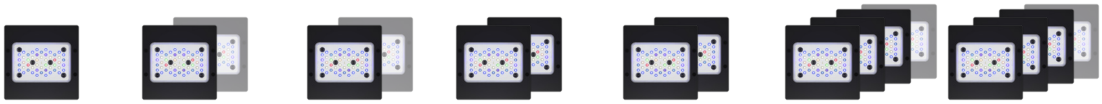
Radion Pro

- **Flexible and Tuneable.** The core spectrum will grow coral but the wide channel selection will let you get where your discerning personal color preference wants to go.
- **Whiter Light.** Shades of white are only available with the PRO.
- **Flourescence and Pigmentation.** The subtle and rainbow colors of SPS are a combination of fluorescence and pigmentation. The PRO is better suited to fine tune what light reflects so that you can see those colors.
- **You Want to Experiment.** Like the Radion PRO before it- the PRO will continue supporting what's new and trending in spectrum and lighting research.
- **Photography:** Greater flexibility to tune lighting for your snapshots.

Recommendations for Densely Populated SPS Tanks

	CUBE	MARINE AIO	MARINE	FRAG	REEF	REEF PRO	PENINSULA
Tank Length	13–17 in 33–43 cm	24–36 in 61–91 cm	18–36 in 46–91 cm	24–48 in 61–122 cm	24–48 in 61–122 cm	55–72 in 140–183 cm	55–72 in 140–183 cm
Tank Width	14–17 in 36–43 cm	20–24 in 51–61 cm	18–20 in 46–51 cm	24 in 61 cm	24 in 61 cm	26 in 66 cm	26 in 66 cm
Tank Height	14–16 in 36–41 cm	12–18 in 30–46 cm	18 in 46 cm	12 in 30 cm	22 in 56 cm	24 in. 61 cm	24 in 61 cm
Tank Volume	10–20 gal 38–76 L	21–67 gal 79–254 L	25–56 gal 95–212 L	30–60 gal 114–227 L	55–110 gal 208–416 L	150–194 gal 568–734 L	150–194 gal 568–734 L

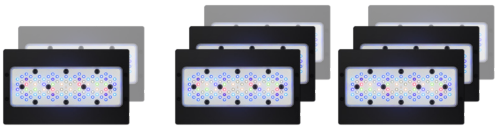
Radion XR15W



Recommended Number of Lights (Start/Full Coral)	1	1/2	1/2	2	2	3/4	3/4
Starting Intensity	30-50%	30-70%	40-70%	30-70%	50-100%	50-100%	50-100%

Radion XR30W

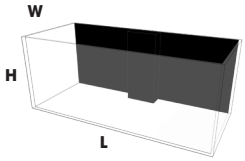
Very generally one XR30 G5 per 80 gallons is a good measure based on 9 inch (RMS) mounting height.



Recommended Number of Lights (Start/Full Coral)	1/2	2/3	2/3
Starting Intensity	40-90%	40-90%	40-100%

Target light levels depend on length of photoperiod, species of coral, flow and other tank parameters. Common SPS corals including (but not all) Acropora, Montipora, Porites, Stylophora, Pocillopora generally prefer high light levels. High light level for a 8 hour peak photoperiod would be a photoperiod PAR in the range of 225-300. PAR measurements are best taken with a PAR meter designed for LED light. More information on lighting is available at www.ecotechmarine.com/corallab. . Acclimation mode is recommended when installing new lighting to gradually increase output of your lighting to your desired ongoing output level.

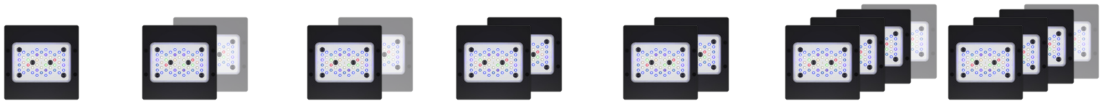
Recommended Mobius™ app templates



Recommendations for LPS & Mixed Reefs

	CUBE	MARINE AIO	MARINE	FRAG	REEF	REEF PRO	PENINSULA
Tank Length	13–17 in 33–43 cm	24-36 in 61–91 cm	18–36 in 46–91 cm	24–48 in 61–122 cm	24–48 in 61–122 cm	55–72 in 140–183 cm	55–72 in 140–183 cm
Tank Width	14–17 in 36–43 cm	20-24 in 51–61 cm	18–20 in 46–51 cm	24 in 61 cm	24 in 61 cm	26 in 66 cm	26 in 66 cm
Tank Height	14–16 in 36–41 cm	12-18 in 30–46 cm	18 in 46 cm	12 in 30 cm	22 in 56 cm	24 in 61 cm	24 in 61 cm
Tank Volume	10–20 gal 38–76 L	21–67 gal 79–254 L	25–56 gal 95–212 L	30–60 gal 114–227 L	55–110 gal 208–416 L	150–194 gal 568–734 L	150–194 gal 568–734 L

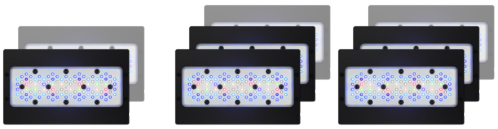
Radion XR15W



Recommended Number of Lights (Start/Full Coral)	1	1/2	1/2	2	2	3/4	3/4
Starting Intensity	30-50%	30-70%	40-70%	30-70%	50-100%	50-100%	50-100%

Radion XR30W

Very generally one XR30 G5 per 80 gallons is a good measure based on 9 inch (RMS) mounting height.



Recommended Number of Lights (Start/Full Coral)	1/2	2/3	2/3
Starting Intensity	40-90%	40-90%	40-100%

Target light levels depend on length of photoperiod, species of coral, flow and other tank parameters. Common LPS corals including (but not all) Mushrooms, Scolymia, Catalaphyllia (Elegance), Euphyllia (Torch, Hammer, Frogspawn) generally prefer medium light levels. Medium light level for a 8 hour peak photoperiod would be a photoperiod PAR in the range of 75-150. PAR measurements are best taken with a PAR meter designed for LED light. More information on lighting is available at www.ecotechmarine.com/corallab. Acclimation mode is recommended when installing new lighting to gradually increase output of your lighting to your desired ongoing output level.

Recommended Mobius™ app templates