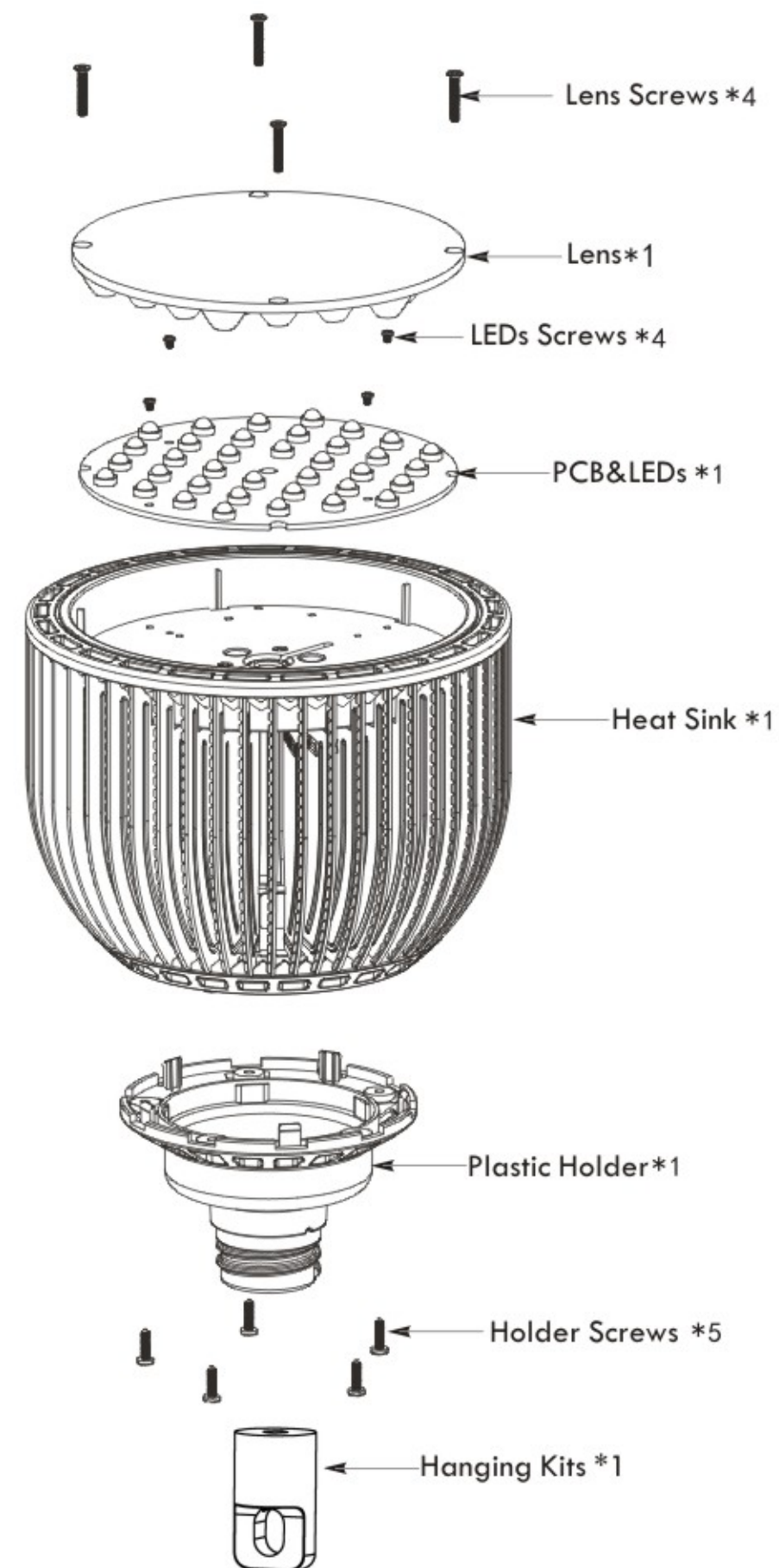




Reef LED Pendant



The Orphek PR72 Reef LED Pendant is a member of the new PR72 family of LED Pendants. Its design goal was to aid hobbyists in growing beautiful corals in smaller aquariums, refugiums, and coral fragment tanks without relying on energy wasting metal halide or low PAR florescent tubes.

The LEDs were selected from the same LED bins used for our PR156XP and Nilus Pendants to duplicate the PUR lighting spectrum which is beneficial and necessary for growing corals, clams, and marine plants. The highly efficient Mean Well LED Drivers used on our PR156XP and DIF series pendants are used here as well, no shortcuts were taken. The PR72 Reef LED Pendant will produce High PAR/PUR levels. A plenty of PAR/PUR for growing all types of corals because the light energy is concentrated on the needed and desirable PUR spectrum while eliminating LEDs that emit non essential wavelengths.

Through Orphek's endless experimentation with LEDs and corals, we have created an affordable LED Pendant for smaller systems or larger shallow systems when multiple units are used. Our diffused lenses and high PAR/PUR levels will allow you to hang the pendant above your aquarium or refugium and still provide enough PAR/PUR to satisfy all corals if placed appropriately in the system.

The PR72 Reef LED Pendant is a plug and play and the dimmable Mean Well LED Driver allows us to configure the PR72 to interface with most digital controllers currently on the market. The pendant includes a cable with an RJ45 connector for direct hook up to an Apex Variable Speed/Dimming Module (VDM). The RJ45 plug can also be removed allowing connection to interface boards with + and - terminals.



The LED make up chart above closely duplicates the ratio of LEDs in our PR156XP Pendant.

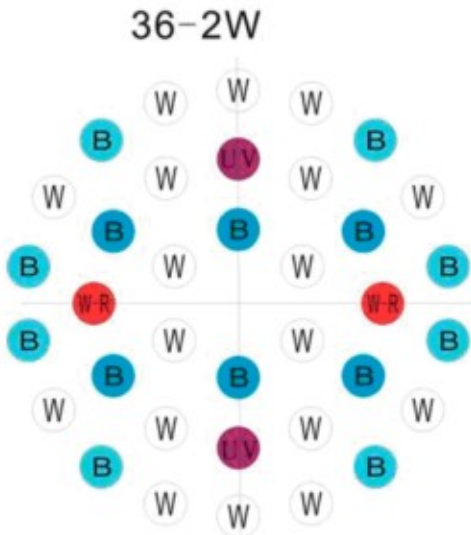
Our one piece fin shaped combination aluminum housing and heat sink rapidly dissipates heat from the LEDs while eliminating excessive heat into your aquarium. The Mean Well LED Driver is remotely located to further minimize heat in the LED housing which helps ensure the LEDs will have a long life span.

Highlights

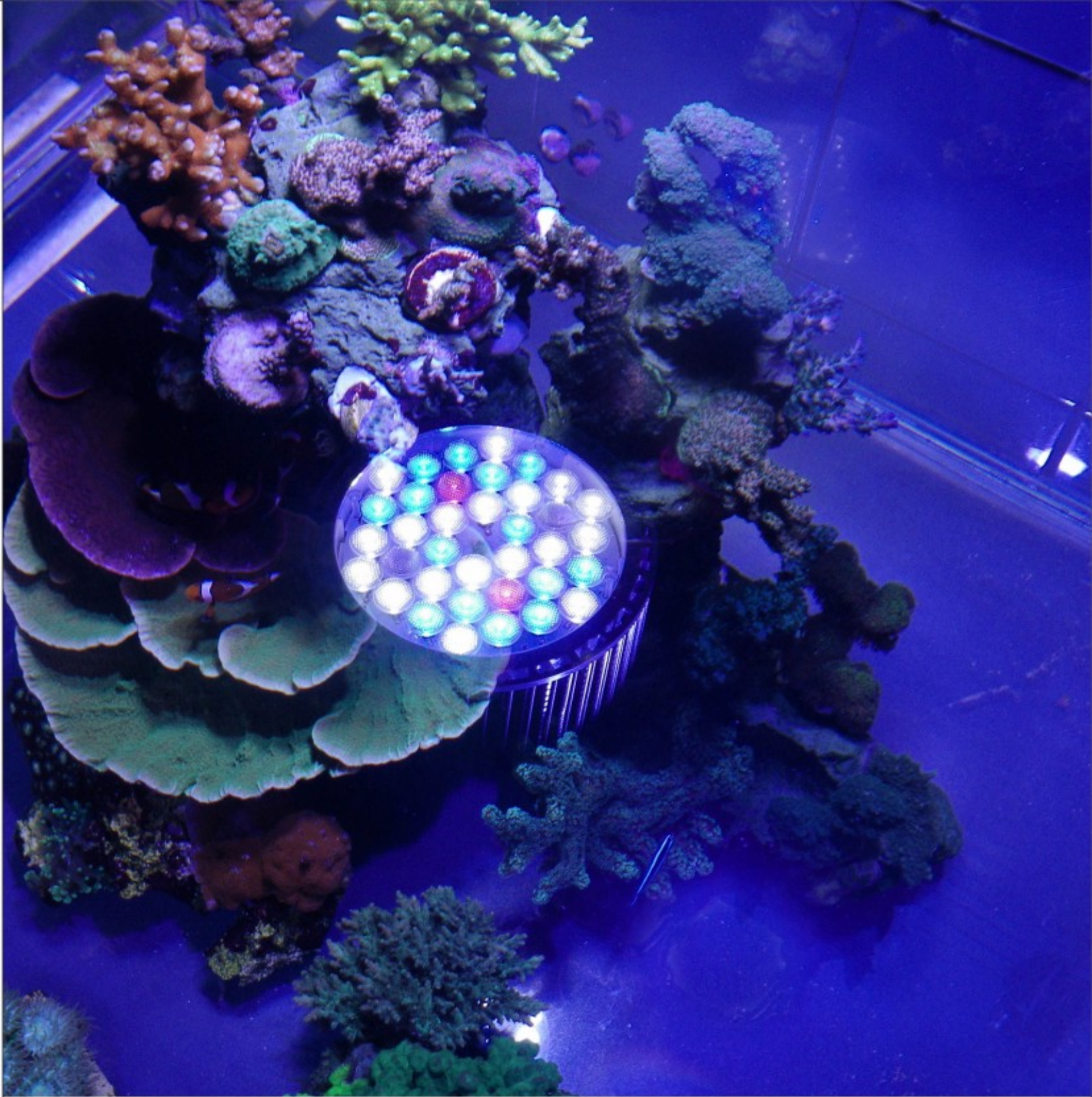
- Highest PAR per watt.
- 36 high power LEDs tuned to the PUR spectrum to provide excellent coral and clam growth.
- Maximizes natural colors of corals and clams.
- Mean Well dimmable driver for improved efficiency and longevity.
- UV and wide spectrum red, white and blue LEDs duplicate the PUR spectrum and giving an 16,000K - 18,000K appearance.
- Replaces energy wasting incandescent, florescent, and metal halide lighting.
- Low energy use, typically 30% - 50% less than other lighting technology
- Aluminum finned heat sink effectively dissipates heat from the LEDs ensuring long life of the electronics.

Specifications

LED Housing
Length: 14.9" (380mm)
Diameter: 6.7" (170mm)
Weight: 2.2 pounds (1 kilogram)



Reef LED Pendant



Cable

Power cable: 70.8 inches (1.8m)

Electrical

Input voltage: 80-264 volts AC
Frequency: 50/60 Hz
Power consumption: 66-70 watts
Power factor: .97
Power supply: Mean Well LED Driver
Dimming capability: Yes, with Apex, Reefkeeper, and other digital controllers.

Lens

Orphek 60 degree lens Can be removed for wider coverage

LEDs

36 x 3 watt LEDs at ~2watt

LED Make up

18 - White 14,000K- 16,000K
14 - Blue 450nm - 460nm
2 - UV/Violet 410-430nm
2 - Orphek Wide spectrum red