



PHILIPS

CoralCare



It's more than light, **because it's more than an aquarium**

Innovative LED lighting designed to achieve
an optimal balance between coral growth
and natural reef appearance.

Specifications



Specifications

- 190W
- 220-240V
- 50-60 Hz
- Dimmable
- IP65
- 10 kg

Based on user experience tests with aquaria depths up to 90cm:

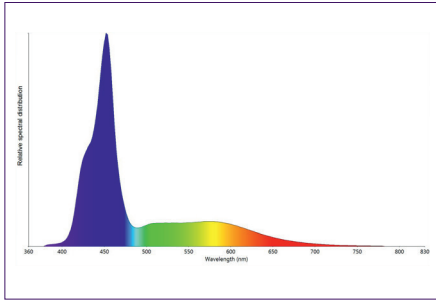
- Surface coverage (normal) 100 x 80cm
- Surface coverage (extreme) 80 x 60cm

After 1 hour stabilization time

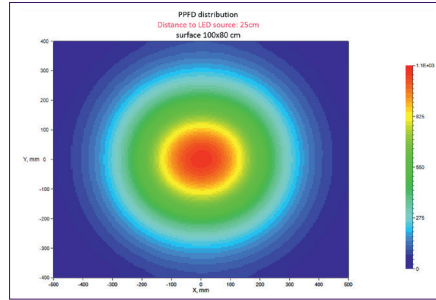
| | |
|-----------|---|
| LED brand | Lumileds |
| LED # | 104 |
| LED type | 40 x Luxeon TX 6500K/70 |
| | 32 x Luxeon T Royal Blue |
| | 16 x Luxeon UV 420nm |
| | 8 x Luxeon Rebel Cyan |
| | 8 x Luxeon Rebel Phosphor Converted Amber |
| | Customized kitting & binning process to ensure color consistency & wide spectral distribution |
| Channel 1 | 32 x Luxeon T Royal Blue |
| | 16 x Luxeon UV 420nm |
| Channel 2 | 40 x Luxeon TX 6500K/70 |
| | 8 x Luxeon Rebel Cyan |
| | 8 x Luxeon Rebel Phosphor Converted Amber |

| | |
|-------------------------------|----------------------------|
| Maximum current channel 1 - 2 | 600mA |
| Luminous flux | 9313 Lm |
| Irradiance | 58.77W optical power |
| Color temperature | 6500K up to saturated blue |
| Input power | 187.18W |
| WPE (system) | 31,40% |
| 100% Light output color point | X=0.218 - Y=0.146 |

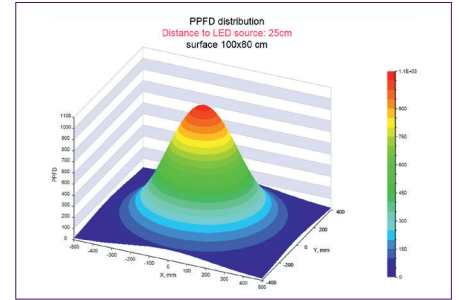
Spectral and Light distribution



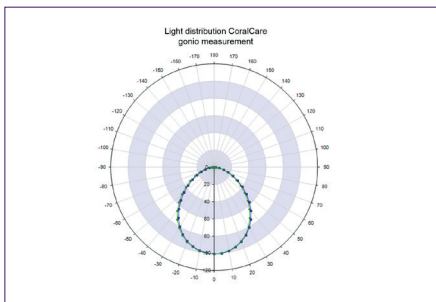
Spectral distribution



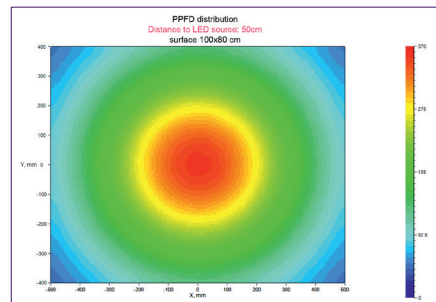
PPFD distribution 2D 25cm



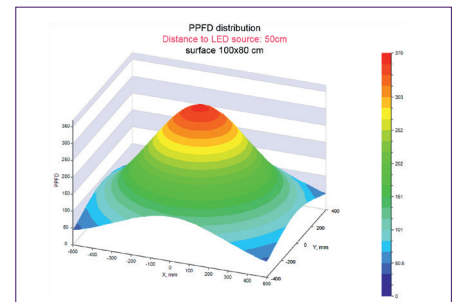
PPFD distribution 3D 25cm



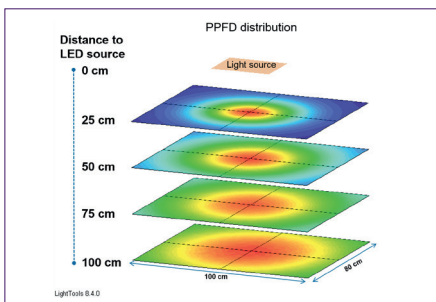
Gonio Light distribution



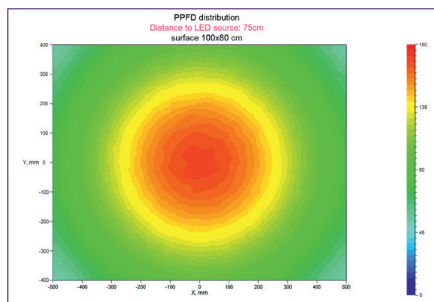
PPFD distribution 2D 50cm



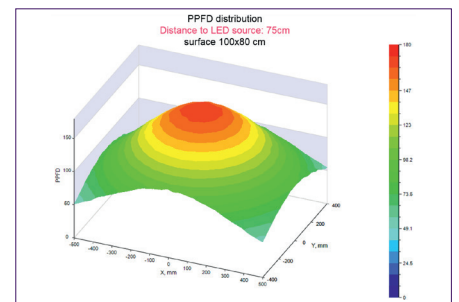
PPFD distribution 3D 50cm



PPFD distribution



PPFD distribution 2D 75cm



PPFD distribution 3D 75cm

