prebit LIGHTING

EB108 RW



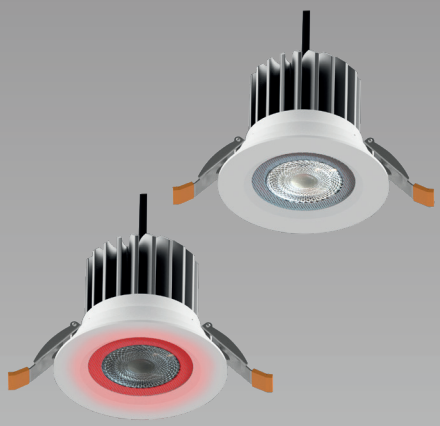


Driven by Metstrade
DAME DESIGN AWARDS
35 YEARS
NOMINATED

Professional light for day and night operation

Light that adapts to you

EB108 RW Professional light for day and night operation



The Challenge: Lighting for Day and Night

In demanding marine environments such as wheelhouses and crew areas, lighting must meet very different requirements throughout the day. High-quality white light provides excellent visibility and orientation, while carefully controlled red light helps preserve the crew's night vision during nighttime operations.

Traditionally, these functions have required separate white and red luminaires. This means additional ceiling cut-outs, cabling and installation work, while also compromising a clean and consistent ceiling design. Drawing on its extensive experience in marine lighting, prebit developed the EB108 RW to combine both functions in a single, elegant recessed luminaire.

The Innovation: Two Lighting Functions, One Luminaire

The true innovation of the EB108 RW lies not simply in combining white and red light, but in integrating two fundamentally different lighting functions into one compact, high-performance recessed luminaire. A powerful central white-light module is surrounded by a dedicated ring of red LEDs, creating a distinctive yet architecturally discreet design.

A specially laser-engraved acrylic diffuser and an interchangeable optical system allow both lighting functions to coexist within a single fitting. The result is a technically sophisticated solution that reduces installation complexity, eliminates the need for a second luminaire and gives yacht designers greater freedom to create clean, consistent ceiling layouts. Developed and manufactured in Germany for wheelhouses, bridges and crew areas.

Features & Technical Specifications

- Integrated white and red LED lighting
- White-light output up to 2,000 lm
- Red-light output up to 120 lm
- White-light colour temperatures: 2700 K, 3000 K or 4000 K
- Colour rendering index up to CRI 98
- Interchangeable optics: 18°, 24°, 36°, 60° and 80°
- Distinctive red LED ring with laser-engraved acrylic diffuser
- Dimmable white and red light
- Project-specific configurations available

Key Advantages

- Two lighting functions in a single recessed luminaire
- Reduced installation time and material costs
- Fewer ceiling cut-outs and less cabling
- Powerful white light for demanding onboard applications
- Red illumination to help preserve night vision
- Precise light distribution for different mounting heights and applications
- Excellent colour accuracy and visual comfort
- Clean, consistent ceiling design
- Flexible adaptation to individual yacht projects

Industriestr. 21
D-53359 Rheinbach
☎ +49 2226 89228-0
@ info@prebit.de

www.prebit.de

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