

PROTECTA III

20



Bolted through suspension points
& fully compressed gasket



Easy access to
lamps &
control gear



Quick release mains terminals to ballast
& battery for ease of maintenance

Construction

- Tough glass reinforced polyester body
- Polycarbonate diffuser with high resistance to UV and stress cracking
- Robust hinges and multipoint compressive clamping of diffuser closure
 - EPDM gasket with sealing lip
- Bolted through suspension points for great strength
- IP66/IP67 and deluge tested to DTS-01

Protecta with diffuser opened



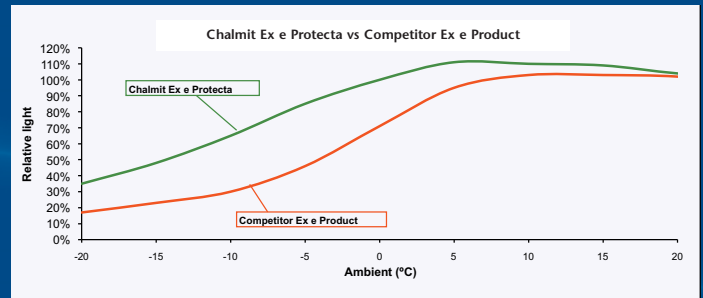
Reverse side of gear tray

Reliability

- Robust electronics with End of Life (EOL) protection to IEC 60079-7 with EOL I and EOL II functionality
- Outstanding electrical immunity to mains disturbances including over-voltage, harmonics and spikes
 - Vibration tested to DNV/Lloyds requirements
- Functional 9 minute self test every 13 days with full discharge and recharge self test every 3 months
 - Comprehensive charge and discharge control management for maximum battery life
 - Continuous monitoring of charge and function with fault indication and diagnosis
- Temperature resistant Ni-Cd battery technology

Performance

- Automatic commissioning of emergency versions
 - Regulated output, light is constant over full supply voltage range
 - Very high electrical efficiency > 92%
- Excellent light output in emergency operation:
 - 18W = 50% of one lamp,
 - 36W = 45% of one lamp (/HEO option)
- Optional 3 hour emergency duration to EN 60598-2-22
 - Rapid recharge to 80% capacity
- Universal Remote Emergency Inhibition can be used with other pre-existing systems

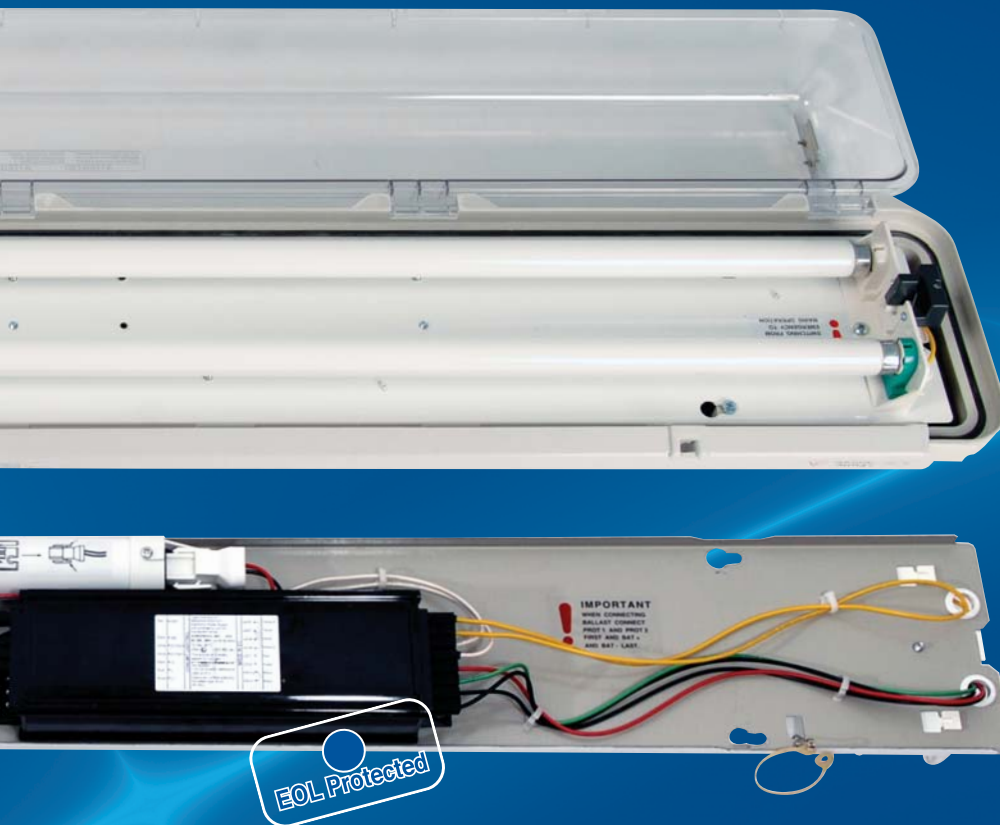


20% greater light output at -20°C compared to other manufacturers

Bi-colour LED indication



Patented automatic lamp de-energisation on opening



Quick release mains terminals



Screwed connection (optional)

Installation and Maintenance

- Standard fixing centres
- All parts mounted on gear tray, can be quickly removed leaving an Ex safe configuration
 - Screwless mains terminals for rapid connection, no need for periodic checks
- Plug and socket battery connection for quick connection guaranteeing correct polarity
 - Can be voltage tested with suitable current limited instruments
- Emergency lamp fault detection before the lamp becomes un-serviceable
 - Self testing of battery capacity with low capacity LED indication
 - Patented automatic lamp de-energisation on opening
- Common spare parts across Ex e fluorescent range (Protecta, Acclaim, Curie Elite)