



DIALIGHT=LONGEVITY

At Dialight, we fully understand the harsh environments that our customers depend on our fixtures to illuminate each day. That's why our fixtures are engineered, designed and tested specifically for longevity in these conditions and most offer our industry-leading 10 year warranty, giving you peace of mind by reducing/eliminating the need for maintenance over the lifespan of the Dialight fixture. No more costs for man hours, lifts, replacement parts, etc. while improving your Sustainability and Safety!

POWER SUPPLY RELIABILITY

- State-of-the-art in-house design and manufacturing – 100% guarantee for reliability and longevity over 10-year warranty
- Efficient resonant power conversion topology – up to 95% efficient resulting in less thermal stress on electrical components
- Critical components with high temperature and high voltage ratings – on average up to 125°C and 800V
- Fully potted and factory sealed/encapsulated electronics – protection from adverse threats, such as harsh environmental and climatic conditions, corrosive chemical aggression, vibrations, dust, exposure to heat and fire

FIXTURE TESTING

- Mean Time Before Failure (MTBF) of 300+ years with an annual failure rate of less than 0.3% expected
- Tested in Dialight lab through ALT (accelerated life testing) scheme to simulate 140,000 hours with observed failure rate less than expected – this is equivalent to 24/7 service life of over 15 years
- HALT (highly accelerated life testing) for any change in design or alternate components – continuous guarantee of reliability over the design life cycle
- 100% burn-in at factory settings – dynamic mode or HASS (highly accelerated stress screening)
- Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
- Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only
- Housing is tested to be <0.4% copper-free aluminum with a salt spray tested, superior dual coat finish, sealed polyester topcoat and chemical resistant epoxy primer
- A minimum of 100 tests are carried out on all products internally & externally, including accelerated life testing
- Additional Testing – Chemical, Over-Voltage, Pressure Decay and more...

WARRANTY

- Industry-leading, 10 year warranty approved for the National Lighting Bureau's (NLB) Trusted Warranty program based on 5 Key Criteria:
 - Formal Warranty Process
 - Warranty Language
 - Length of Business/Warranty Insurance
 - Technical Evaluation
 - Claims Review Evaluation

