

'THE PENHALE STANDARD'



MATERIAL ASSURANCE

Here at Penhale Quantock Ltd, we have been injection moulding thermoplastics for over 30's years, and moulding has been a family industry since the 60's. Our in-depth product selection procedure ensures the materials we use perform to the highest standard. Polymers all perform differently and it is essential we manufacture all products with a compliant material.

WHAT ADVANTAGE DOES THIS GIVE OUR PRODUCT RANGE?

IK10

ECLIPSE

SOLAR

Certified by the Lighting Industry Association, our impact modified polycarbonates diffusers help our products achieve an IK10 impact resistance. The test illustrates the products with stood the 20j force of a 5kg steel pendulum hammer with a 50mm radius. The certification conforms to the below relevant British Standard:

BS EN 62262:2002. Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code).



IP65

ECLIPSE

SOLAR

LUNE

DART ROUND

DART SQUARE

MIDLITE

Certified by the Lighting Industry Association, our products achieve an IP65 ingress protection rating.

IP6X - No ingress of dust; complete protection against contact (dust tight). A vacuum must be applied. Test duration of up to 8 hours based on air flow.

IPX5 - Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.

The certification conforms to the below relevant British Standard:

BS EN 60598-1:2015 Clause 9. Luminaires. General requirements and tests

> IEC 60529



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850 GLOW WIRE

Certified by the Lighting Industry Association, our polycarbonates boast an 850 glow wire rating. This ensures it conforms to the requirements stated in:

BS EN 60598-1:2015 Clause 9. Luminaires. General requirements and tests. The fire hazard safety test measures the ability of a polymer to resist fire and ignition for electrical goods, and the tests are conducted in accordance with the below British Standard:

BS EN 60695-2-11: 2014 (GWEPT) . Luminaires. General requirements and tests.



TP(a) CERTIFICATION

We would like to inform our customers that TP(a) certification is now available across our range upon request! Our tests have been conducted by the Lighting Industry Association.

BS 2782-0-2004 Methods of testing plastics - Annex B



UK MANUFACTURED



The majority of our products are manufactured in the UK. Our bases, diffusers and bezels are injection moulded here in Somerset, and our hinged gear trays and gaskets are manufactured from PQ's bespoke hard tooling.

Unlike others, we offer true 'Made in Britain' products compared to the imported and re-labelled alternatives on the market.

'Made in Britain' means **MADE IN BRITAIN** 

As a company, Penhale Quantock Ltd has been quality assured by the Lighting Industry Association to ensure our production processes and operating procedures conform to industry specific standards. We welcome visits to our factory here in Somerset to see first hand our manufacturing capabilities.

