



## CASE STUDY: AL AUJAN GROUP WAREHOUSES

### **Pulsar's UniBay : 100% Up Time in Harsh Environment**

### **Kingdom of Bahrain**

*"I wanted to break the mould and show that a well-manufactured product, with the rich history of British engineering and innovation, would prove that LED technology has a place in the harshest of environments"*  
Mr Neelakanta - CEO of Delta Construction

- Back in early 2014, Pulsar was invited to bid for a multi-functional warehouse project in Hidd - a largely industrial area on the north east coast of Bahrain. A warehouse in this location, being beside the sea, has several challenges ranging from high winds and extremely dusty/sandy/salt air conditions, to external temperatures regularly exceeding 45 degrees.
- The client - Al Aujan Group - were building a collection of warehouse units, and the civil, mechanical and electrical works were awarded to Delta Construction. Initial designs by a local consultant were based on using a 400W metal halide solution.
- Contractors and Consultants were concerned about the reliability of the metal halide solution, given the proximity to the sea and harsh environment. This contrasted with the brief to provide a long-lasting, non-intrusive lighting solution, which would minimise the need for regular maintenance.
- Pulsar's 130W Unibay was selected after a very detailed technical evaluation including testing on site. The UniBay was chosen based on its excellent light output, uniformity and distribution, coupled with an industry leading Guarantee in the unlikely event of any mishaps. A CCT of 5000K was chosen along with CRI of 80 to give a clean, crisp and natural white light to the area.
- Order, shipping and installation had to be completed in less than 2 months - before the restricted outdoor summer working hours during the months of July & August came into play. Careful planning and a coordinated effort between all parties ensured the installation was completed on time and the warehouses were ready for inspection and occupation.
- **More than 2 years on, Pulsar's UniBay has 100% uptime (no failures). All the warehouses are operating to maximum potential with the client extremely happy with the final outcome.**

**Project name/Location:** Al Aujan Warehouses at Hidd, Bahrain  
**Distributor:** Genprise Co. W.L.L.  
**Lighting Designer:** SJM Electromechanical Engineering Bureau  
**Installation team:** Delta Construction Company W.L.L.

**Products Used:**  
237 x Eco130 - UniBay



#### **PULSAR LIGHT**

3 Coldhams Business Park, Norman Way, Cambridge CB1 3LH  
www.pulsarlight.com | sales@pulsarlight.com | +44 (0) 1223 403 500

# PULSAR

## AL AUJAN WAREHOUSES

Mr Neelakanta (CEO of Delta Construction) said "In 2014 it was still relatively early days of LED lighting in Bahrain, and people were just getting comfortable about the use of LED for generic indoor lighting, but unsure of it's ability to withstand the high heat and humidity the summers bring.

I wanted to break the mould and show that a well-manufactured product, with the rich history of British engineering and innovation, would prove that LED technology has a place in the harshest of environments, and can be used successfully in a place like this".

### About Pulsar

Our factory and offices are located in Cambridge in England, where we have been manufacturing lighting since 1970. If you would like to visit our showroom, please arrange a time with our sales team by calling our office number on +44 (0) 1223 403 500.

For more information about this project or Pulsar Light of Cambridge Ltd, please contact:

+44 (0) 1223 403 500  
 sales@pulsarlight.com  
 www.pulsarlight.com

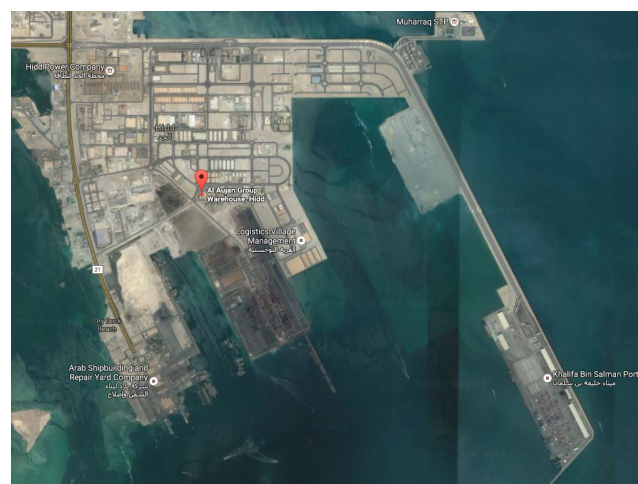
The UNIBAY from Pulsar was designed specifically for small and large scale industrial warehouses, hangars, distribution centres and cold stores.

The UniBay is a reliable and highly efficient fitting drawing just 130W and achieving an efficacy of 120+ lm/W.

The Unibay is an excellent replacement for existing metal halide fittings because of its high efficacy and minimal maintenance requirements - **providing over 22 years of light** (12 hours operation per day) **before reaching L70**.

Additional features and benefits from the UniBay are:

- 130w - 260w providing 15,700 - 31,000 + Lumens
- Multiple fixing options
- 100,000 hours (L70) life time with a 10 Year Guarantee
- Non-distracting flicker-free light
- 6 beam angles
- High quality light with 70, 80 and 95 CRI options
- Reduce electricity consumption by up to 85%



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