



Big Chill Distribution

A simple lighting solution for a complex lighting project

Big Chill Distribution Ltd is a nationwide chilled & frozen transport company operating 24/7. The lighting solution for their brand new distribution facility in East Tamaki had a unique set of challenging requirements.

Challenges

A top quality light fitting made from highly reliable materials and components suitable for a food storage environment was required for this project. Similarly the light fitting had to accommodate a wide range of operating temperatures, specifically an extremely low operating temperature of -24°C for the freezer store. With mounting heights of between 7m and 14m high, the light fitting had to provide high illuminance levels and uniformities both horizontally on the floor and vertically on the storage racks. An average maintained illuminance level of 300 Lux horizontally at 1m above floor level to the freezer and chiller storage areas had to be achieved with minimal glare and maximum visual comfort. The light fitting had to be easy to install with no major penetrations allowed into the insulated ceiling material.

Solutions

Pracht are a medium sized, family owned German lighting company breaking new ground with brilliantly simple, innovative light fittings for special applications. Pracht had the optimal solution for this unique lighting project.

The Pracht 'Apollo N LED' light fittings supplied can operate down to -25°C and were delivered to site pre-wired with a special low temperature rated supply flex. Constructed from 'Prachtopal', a low glare diffusing material which is impact resistant and designed specifically for food storage environments. Fully sealed to IP65 using short, age-resistant silicone seals and carries a factory backed 5-year warranty ensuring piece of mind for Big Chill. The stainless steel clip system allowed for fast and easy installation on site with two simple mounting clips.

Key Benefits

- **Low operating temperature**
- **High lux levels**
- **Quality construction**
- **Easy installation**



Project Title

- Big Chill Distribution

Client

-Big Chill Distribution Ltd

Developer

-Goodman (NZ) Ltd

Architect

- Eclipse Architecture Ltd

Electrical Consultant

- Electrical Consulting Services Ltd (ECS)

Advanced Lighting Specialist

- Antony Collett MIES

Project Completion Date

- December 2016

Applications

- Warehouse/Factory

Product

- Pracht Apollo N LED Prachtopal Surface Mount LED Luminaires (4000k)
- 191x 2x65 Watt Narrow Beam Optic
- 163x 2x56 Watt Medium Beam Optic

Product Warranties

Light Fittings – Manufacturer's
Warranty of 5 years

