

Case Study: Truck Dump Apron Feeder

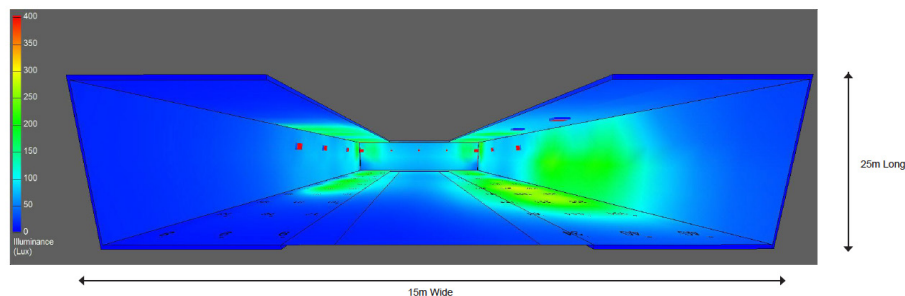
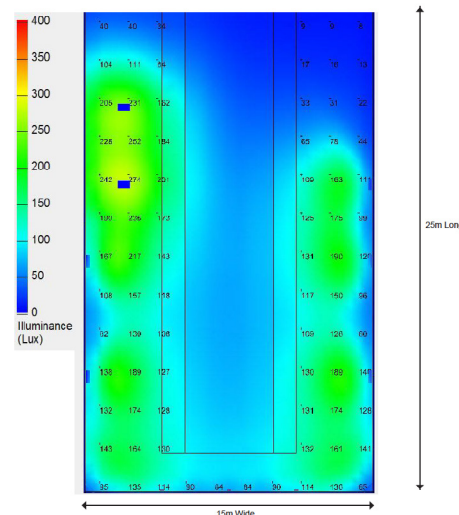
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APS Lighting & Safety were approached to help provide an effective lighting solution for a truck dump apron feeder, which had an area 25m long by 15m wide in a U-shape around the feeder itself.

Originally illuminated by a mish-mash of lighting fixtures of varying wattages (i.e. 80W, 250W, and 400W) and technologies (i.e. Metal Halide, Sodium, etc), there were 14 fixtures mounted along the outer walls with several of these inoperable. For those that were working, the lighting levels were below the standard recommendations for this type of application. Some noticeable issues included: inadequate light readings of 21.23 Lux at the entrance where 2 of the 4 large Metal Halide fixtures were in operation, and poor lighting output along the back wall, which were significantly lower at only 3.59 Lux.

APS proposed a more eco-friendly lighting solution with reduced maintenance costs by replacing all existing fixtures with low-power LED light fixtures. This included 50W LED Junction Box light fixtures for both sides of the apron feeder via roof and wall mounts, and 10W LED Junction Box light fixtures to the back wall.

The aim was to provide sufficient lighting along the feeder walkway area with a minimum level of 25 Lux. With the proposed 50W and 10W LED Junction Box light fixtures, APS had achieved a minimum level of 34.25 Lux at the rear of the feeder and 123.82 Lux along both sides. A huge success for our customer!!



Proposed Lighting Fixtures

Vision X 50W Junction Box Light

The **50W Junction Box Light** fixture by Vision X is ideal for a range of applications on site and comes in a 90 degree wide flood or 180 degree ultra-wide flood beam pattern. Fitted with advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design for added workplace safety, this general area lighting fixture is a dependable and effective LED solution.



[Vision X 50W Junction Box Light](#)

Vision X 10W Junction Box Light

The **10W Junction Box Light** fixture by Vision X is ideal for a range of applications on site and features a 180 degree ultra flood beam pattern. Fitted with advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design for added workplace safety, this junction box light is a dependable and effective LED solution.



[Vision X 10W Junction Box Light](#)



[Contact your local APS representative](#) to discuss how we can tailor a solution to meet your needs.

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