

## US Coal Mine - Warm-white Light Plant Conversion

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A coal mine in the US approached APS to help solve their lighting dilemma – the high pressure sodium fixtures they were using on their light plant weren't providing a sufficient lumen output, creating dangerous working conditions around the coal stockpile area.

The light plant was fitted with six 1000W high pressure sodium bulbs (HPS), however, it was plagued by light failures and provided a lower light output than was required to create a safe working space around the stockpile.

After considering the mine's main issues and their specific requirements, APS recommended the use of six [280W LED industrial area lights from Vision X's customisable range](#).

The 36,000 lumen area lights offer a dependable and effective LED solution available in a range of beam patterns to suit the application. In this particular case the chosen lights featured a 40 degree beam to provide a greater range than the previous fixtures and increase the safety on site.



Featuring a warm white LED colour temperature of 2800K, the lights were also able to replicate the colour of the HPS fixtures, ensuring they met the dark sky compliance requirements to minimise light pollution on the surrounding area.

The fixture's reduced wattage (280W in comparison to 1000W) and five year warranty will also provide reduced operating costs for the mine by offering greater fuel efficiency and a longer lifespan than the HPS lights.

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

## Vision X 280W Industrial/Structural Area Light



The [280W LED industrial area light by Vision X](#) is a dependable and effective LED solution fitted with advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design for added workplace safety.

This 36,000 Lumen area light is a dependable and effective LED solution for industrial applications, port terminals, cranes, stadiums and stations.

The standard trunnion bracket is suitable for industrial and structural applications, whilst the heavy-duty and stainless steel trunnion bracket is suitable for shovels and draglines where vibration resistance is a key requirement.

### Features

- 60 x XP-LHD (CREE) LEDs
- 36,000 Lumens
- Beam Pattern Options: Spot 10° (SD), Narrow 25° (ND), Medium 40° (MD), Flood 60° (FD), Wide Flood 90° (WD)
- Colour Temperature Options: 5000K, 2800K
- Voltage Options: 90-277V AC, 480V AC (High Voltage)
- 15.6Grms Vibration Rating
- IP68, IP69K IP Ratings
- Weight: 60 lbs (27.5kg) Including TRHD Bracket



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