

WHY LIGHTING MATTERS IN HYDROGEN APPLICATIONS

Hydrogen is rapidly emerging as a clean energy source, fueling global investment in production and storage. But its extreme flammability, with an ignition threshold as low as 0.02 millijoules, makes safety critical.

“Even an invisible spark or static electricity discharge from a human body (in dry conditions) may have enough energy to cause ignition.”¹

- U.S. Department of Energy

That’s why every component, including lighting, must be engineered to prevent ignition and meet the highest safety standards for hazardous locations.



HAZARDS FOUND IN HYDROGEN ENVIRONMENTS



Noisy, Complex Heavy Machinery



Physical Hazards, Such as Slips, Falls, and Moving Objects



Chemical Vapors, Dust, and Debris



Flammable and Explosive Environments



High Heat and High Vibration



Arc Flash

LIGHTING SOLUTIONS CERTIFIED FOR DEMANDING HYDROGEN APPLICATIONS

When choosing an industrial LED lighting partner, consider how products are built and tested. Dialight is a global leader in industrial LED lighting with millions of fixtures installed. Most are backed by a 10-year warranty and designed specifically for harsh environments, including hydrogen applications.



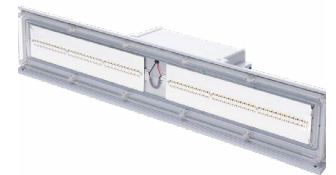
LED HIGH BAY



LED AREA LIGHT



LED FLOODLIGHT



LED LINEAR



LED STREETLIGHT



Contact a Dialight representative to learn which products carry ratings for hydrogen applications
¹ *Hydrogen Properties (Module 1)*, U.S. Department of Energy, *Hydrogen Safety Training for First Responders*.
https://www1.eere.energy.gov/hydrogenandfuelcells/tech_validation/pdfs/fcm01r0.pdf

CLICK FIXTURES OR SCAN QR CODE FOR MORE INFORMATION

Dialight
www.dialight.com