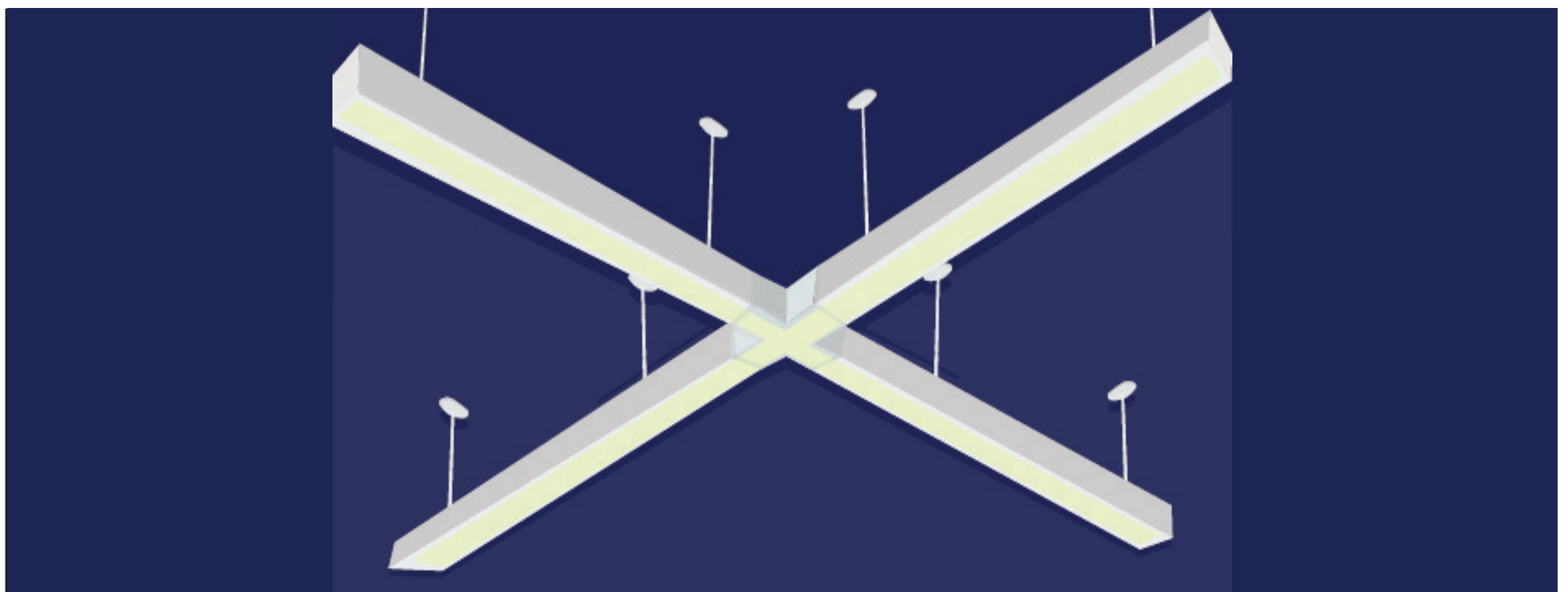


OVERVIEW:

Lighting is a complicated concept that most people often have a hard time grasping all of its components. Understanding basic lighting ideas and terms are very crucial when selecting the right luminaire for your application.

KEY LIGHTING TERMS:



LUMENS

Measures the light output from a luminaire.

WATTAGE

Amount of power required for the luminaire to produce the lumen output.

EFFICACY

Measures how well the light source produces visible light and it is calculated by lumens per watt.

VOLTAGE

Pressure from an electrical circuit's power source that pushes current through a conducting loop enabling them to power devices

COLOUR RENDERING INDEX (CRI)

Measurement of the quality of how colours look under a light source.

COLOUR TEMPERATURE

Describes a light's appearance from a light source.

LIGHT DISTRIBUTION

Projected pattern that a fixture will disperse onto a surface.

CERTIFICATIONS



DLC

Utility based initiative that focuses on distribution, colour and longevity.

UL

To assure specific product performance and safety. There are three main UL markings, dry locations, damp locations and wet locations.

- **Dry Location:**
Typically used indoors and above-ground rooms, such as bedrooms, kitchens, offices, retail stores.
- **Damp Location:**
Regularly exposed to moisture and condensation.
- **Wet Location:**
Can be installed anywhere and has minimal limitations dealing with liquid.

ETL

Products have been tested to set safety standards which includes anything from safety to health and environmental benefits.

IP

Level of protection for the luminaire against outside bodies like debris, dirt and different forms of liquid

HAZARDOUS LOCATIONS (UL884)

Classified by the likelihood of an ignitable concentration of combustible material being present

NEMA 4X

Standards to justify the environment that the electrical fixture can be used in and are mainly applied to fixed electrical enclosures.

BE SURE TO CHECK OUT THE THREE PART BLOG SERIES TO LIGHTING 101

[KEY LIGHTING TERMS YOU NEED TO KNOW](#)

[KEY CERTIFICATIONS TO LOOK FOR](#)

[COMMONLY ASKED QUESTIONS ABOUT LED LIGHTS](#)