COOLEEDGE™
TILE EXTERIOR

Illuminate facades, canopies, entrance portals, and large-scale graphics.

The entire TILE Exterior system is rated for wet location environments.

- Each component of the Cooledge TILE Exterior system has a minimum IP65 rating; however, simply passing a single, short water test is merely the starting point. Cooledge has designed and tested TILE Exterior to meet real-world application requirements for creating luminous surfaces in exterior environments.
- Products that claim IP65 or wet location capability often do not include all of the components required for operation or do not carry the required level of certification to support this claim.

Moisture resistant snap connectors maintain the simplicity of tool-less connections unique to Cooledge TILE products.

- Proprietary IP65 connectors incorporate an innovative ergonomic cover that facilitates easy installation.

Constant lumen output and high color consistency ensure seamless illumination through exterior surface materials.

- Available in 600lm & 300lm versions with a typical 2 SDCM color uniformity that enables setback distances low enough to fit within the available space associated with the standoffs and supports for commonly used exterior diffuser materials.

“True-Temp” optics ensure minimal CCT shift from the rated color temperature of the LEDs.

- Cooledge TILE Exterior incorporates unique True-Temp optics that introduce an air gap between the LEDs and the protective materials to ensure the TILE Exterior maintains the strict color uniformity specifications that are a feature of all Cooledge products.
- Other flexible exterior products are often coated or encapsulated with materials that cause the CCT to shift and can reduce color uniformity due to variations in the thickness of the coating material.

Field configurable to manage obstacles such as standoffs and conform to shapes and unusual dimensions where necessary.

- Modular TILE Exterior Fit segments connect to full-sized TILEs and/or to each other without the need for cutting and re-sealing on-site.
COOLEDGE TILE EXTERIOR

PHOTOMETRIC HIGHLIGHTS

LUMEN OUTPUT
600lm or 300lm per TILE (constant for all CCTs)
Equivalent to 600/300 lm/sqft or 6450/3225 lm/sqm

CORRELATED COLOR TEMPERATURE (CCT)
2700K, 3000K, 3500K, 4000K, 5700K

COLOR RENDERING
CRI > 80

COLOR UNIFORMITY
Typical 2 SDCM

LUMEN MAINTENANCE
L80 = 50,000hr (based on LM-80 & TM-21 calculations)

Each Cooleedge TILE Exterior light emitting sheet is scanned using a proprietary process that measures the flux, color uniformity, and Color Rendering Index (CRI) to ensure that it meets stringent specifications for optical performance.

ILLUMINATION FOR LUMINOUS SURFACES

Historically, the adoption use of luminous surfaces for exterior architecture has been limited by a number of challenges including space constraints, installation complexity, minimal scalability, and incomplete ingress protection.

Cooleedge TILE Exterior brings the optimal combination of features to mitigate these challenges and enable seamless large scale luminous surface applications across a myriad of outdoor applications. By combining a thin, flexible form factor with simple and modular configurability for large area scalability, this system level wet location product offers Cooleedge quality illumination within exterior facades, canopies, entrance portals, and public spaces.

TILE EXTERIOR SYSTEM OVERVIEW

1 TILE Exterior
Wet location rated flexible light emitting sheet

2 TILE Exterior Fit (1, 2, 3, or 4)
TILE segments used to fit around obstacles or fill in areas at the edges of layouts

3 TILE Exterior Starter Cable
Wet location cable connects LED Driver to TILEs with simple snap connectors

4 LED Driver
Supplies up to 90W of 24VDC power for system

5 Year Limited Warranty: Parts and workmanship when used with a Cooleedge approved power supply.

UL 2108 Wet Location  EN 60598 Compliant (as a system)

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