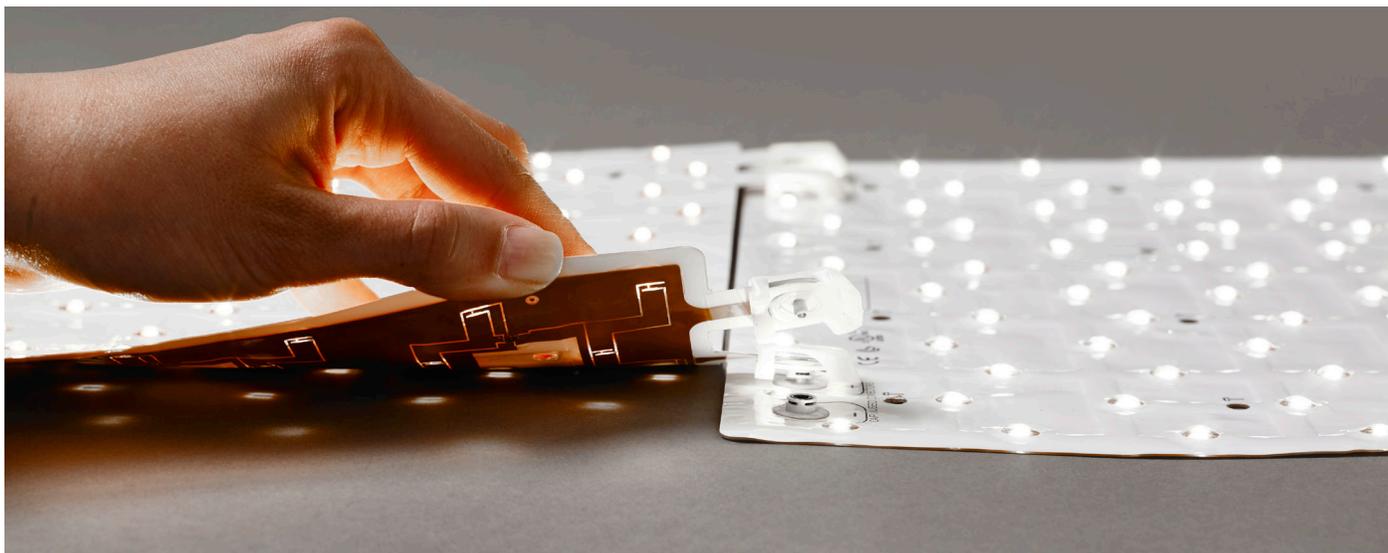


# COOLEGE™

## 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



COOLEGE™

# COOLEGE TILE EXTERIOR

## PHOTOMETRIC HIGHLIGHTS<sup>1</sup>

### 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<sup>2</sup>

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

<sup>1</sup> Photometric files available from [cooledgelighting.com](http://cooledgelighting.com)

<sup>2</sup> Based on LM80 data & TM-21 calculations

Each Cooledge 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

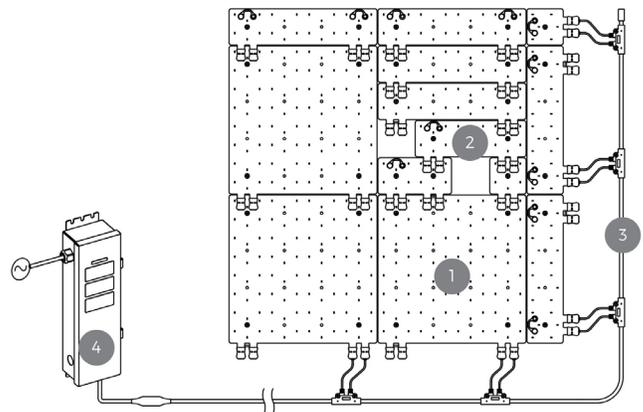
Historically, the adoption use of luminous surfaces for exterior architecture has been limited by a number of challenges including space constraints, installation complexity, minimal scalability, and incomplete ingress protection.

Cooledge 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 Cooledge 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*



UL 2108 Wet Location



EN 60598 Compliant (as a system)



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

[info@cooledgelighting.com](mailto:info@cooledgelighting.com) | [www.cooledgelighting.com](http://www.cooledgelighting.com)

120-13551 Commerce Parkway, Richmond, BC, Canada V6V 2L1 +1 604 273 2665

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