

COOLEDGE™

TILE TUNABLE WHITE

Replicate natural light both in scale & through dynamic changes in color temperature and light level



Unique system design provides constant lumen output at all CCTs in the range 2700K-5700K and at all dimming levels.

- Cooledge TILE Tunable White delivers the desired lumen output at all CCT's within the tunable range AND can be dimmed without changing the CCT
- Many tunable white systems simply add the light emitted from warm CCT LEDs to that of cool LEDs to obtain a range of CCTs between the two. Using this method, the quantity of light fluctuates, with more light available at the midpoint between the CCTs and less at the ends of the tunable range. More advanced products overcome this issue by dimming the warm and cool LEDs separately to provide constant output, but this method is restricted to a single light output level meaning that CCT tuning and dimming cannot be done simultaneously.

Dim-To-Warm

- A dim-to-warm option provides smooth dimming along the CCT curve to 0.1% in the range 3500K to 2200K.

Compatible with Industry Standard Controls

- Compatible with Cooledge 0/1-10V control modules
- DMX, DALI, and wireless (Casambi) compatible with optional protocol converters

Cut-to-fit means systems are adaptable to any size installation and can accommodate obstacles and shapes.

- The Cooledge TILE Tunable White system includes components designed to adapt to on-site changes and accommodate unexpected obstacles that are a common occurrence during construction
- Alternative rigid products are typically custom configured for specific site conditions and cannot be cut or changed without impacting performance

LFI 2017 Innovation Award Winner



COOLEDGE™

Light as a building material

COOLEDGE TILE TUNABLE WHITE

PHOTOMETRIC HIGHLIGHTS¹

LUMEN OUTPUT

600/300/150 lm/sqft or 6450/3225/1600 lm/sqm

CORRELATED COLOR TEMPERATURE (CCT)

Tunable white: 2700K-5700K

Dim-to-warm: 3500K-2200K

COLOR RENDERING

CRI > 90 (except 2200K, CRI 88)

COLOR UNIFORMITY

Typical 2 SDCM

LUMEN MAINTENANCE²

L80 = 75,000hr (based on LM-80 & TM-21 calculations)

¹ Photometric files available from cooledgelighting.com

² Based on LM80 data & TM-21 calculations

A proprietary process that measures flux, color uniformity, and color rendering ensures that Cooledge TILE Interior light emitting sheets meet stringent specifications for optical performance.

ADAPTIVE LIGHTING FOR IMMERSIVE ENVIRONMENTS

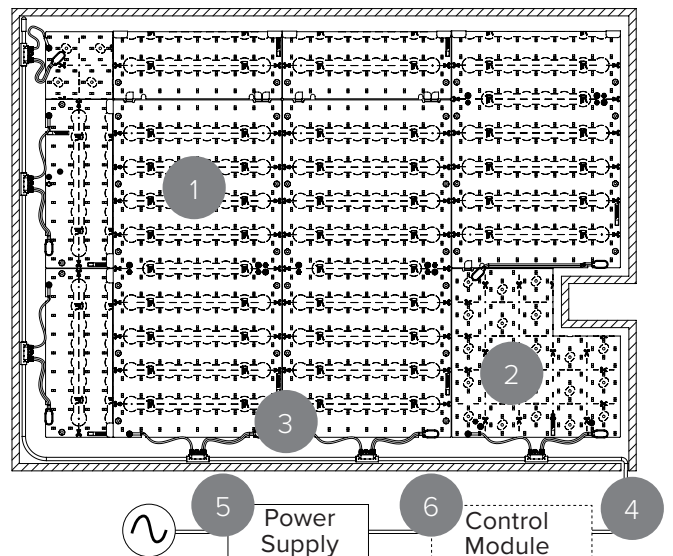
Cooledge TILE Tunable White systems provide a single dimmable and tunable system to deliver illumination that can replicate the many benefits of natural light and dynamically set the mood for any interior space.

With TILE Tunable White it is possible emulate daylight both in scale and through dynamic changes in color temperature for lighting that adapts to changing needs and delivers an immersive experience.



TILE TUNABLE WHITE SYSTEM OVERVIEW

- 1 TILE Tunable White**
Flexible light emitting sheet
- 2 TILE Tunable White Cut-out Kit (optional)**
Cut-to-fit TILE and wiring for corners
- 3 TILE Tunable White T-cable (required)**
Connects the first TILE in each run to the Starter Cable
- 4 TILE Tunable White Starter Cable (required)**
Connects the Control Module to the T-Cable
- 5 Power Supply (required)**
Converts AC mains (line) power to low voltage (58VDC) power
- 6 Control Module (required)**
Receives input control signals using industry standard control protocols to allow dimming and CCT tuning on up to 2 @ 90W channels



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