

COOLEGE™

LIGHTING SYSTEMS



COOLEGE™





TRANSFORMING LIGHT

While LEDs have improved the efficacy, control, and quality of lighting, the technology has not changed the way illumination is designed and delivered. Lighting continues to be confined to the same bulbs and metal boxes the industry has used since its inception.

COOLEGE FUNDAMENTALLY
CHANGES THIS PARADIGM

COOLEDGE REINVENTS THE WAY ILLUMINATION IS DESIGNED AND CONTROLLED BY:

- Transforming light from points and lines to seamless integration into all forms and scale of the built environment
- Delivering glare-free immersive illumination that replicates natural light and provides the optimal platform for tailored environments
- Leveraging the pervasive nature of luminous surfaces to deliver intelligent controls that provide a range of visual, biological, and emotional benefits
- Supporting interactive and connected interfaces that can provide user control of timing, color temperature, room, or situation



White & Case
Davis Carter Scott





Edmunds.com
Foteworks

LUMINOUS SURFACES FOR
ILLUMINATION MUST BE:

SEAMLESS

- UNIFORM
- CONSISTENT
- CONTINUOUS

to blend with the
surrounding architecture
without visual distraction



ADAPTABLE

- CUTTABLE
- FLEXIBLE
- DIMMABLE/TUNABLE

to accommodate parametric forms, shapes, and curves and create a variety of illuminated environments





McGuire Woods

@2016 Francis Dzikowski/Otto

LUMINOUS SURFACES FOR
ILLUMINATION MUST BE:

SCALABLE

- MODULAR
- REPEATABLE
- SIMPLE TO INSTALL

to create illuminated spaces that
are expansive in a way that is
both natural and inviting



INTEGRAL

- THIN
- LIGHTWEIGHT
- NO HEAT SINK REQUIRED

to optimize space and
accommodate new approaches
to architectural design

For more information on the Cooledge advantage,
visit our website www.cooledgelighting.com



Taser

Aaron Leitz Photography

TILE TUNABLE WHITE

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



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



Dim-to-warm option provides smooth dimming along the CCT curve to 0.05% from 3500K to 2200K. Cooledge Control Modules available for 0-10V, DMX, DALI, or wireless (Casambi) control inputs



Incorporates Cooledge's proprietary "C-Tune" technology that simplifies wiring and significantly increases the affordability of tunable white lighting in comparison with static color temperature options



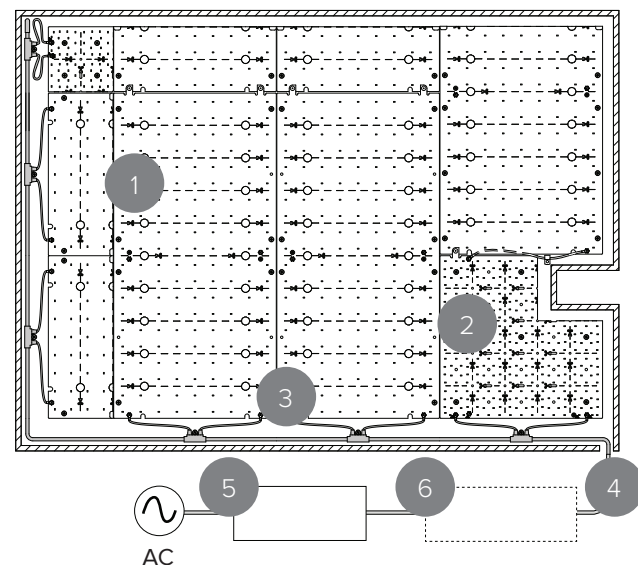
Uniquely suited for installations requiring high CRI such as retail and hospitality



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



SYSTEM OVERVIEW



- 1 TILE Tunable White
- 2 TILE Tunable White Cut-Out Kit (*optional*)
- 3 TILE Tunable White T-cable
- 4 TILE Tunable White Starter Cable
- 5 Power Supply
- 6 Control Module

INCLUDED
TILE Tunable Starter Kit

ALSO AVAILABLE
Extension Cable

AVAILABLE AS FULLY CONFIGURABLE SCALABLE SYSTEM AS WELL AS STANDARD OR CUSTOM LUMINAIRES

TILE INTERIOR

Create luminous ceilings, feature walls, and large graphic displays with Cooledge TILE Interior lighting systems.



Three choices of constant lumen output ensure consistent, highly calibrated illumination



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



Constant voltage electrical architecture is fully scalable without loss of performance or need to reconfigure drivers



Color consistency of typically 2 SDCM between TILES meets stringent requirements for large area installations



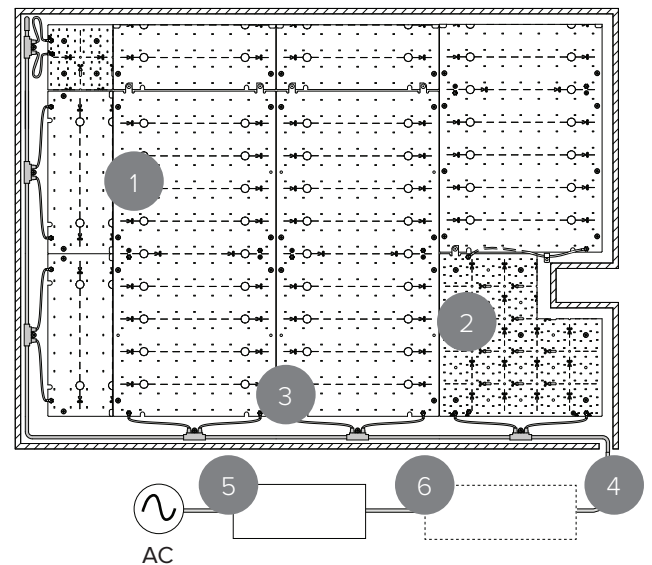
Simple snap connectors make installation fast and easy without the need for special tools and multiple wiring connections



Low setback distances, flexibility, and no requirement for a heat sink enable optimal integration into luminous surfaces



SYSTEM OVERVIEW



- 1 TILE Interior
- 2 TILE Interior Cut-Out Kit *(optional)*
- 3 TILE Interior T-cable
- 4 TILE Interior Starter Cable
- 5 Power Supply
- 6 Control Module

INCLUDED
TILE Interior Starter Kit

ALSO AVAILABLE
Extension Cable

AVAILABLE AS FULLY CONFIGURABLE SCALABLE SYSTEM AS WELL AS STANDARD OR CUSTOM LUMINAIRES

TILE EXTERIOR

Illuminate facades,
canopies, entrances and
large-scale graphics.



The entire TILE Exterior system including light sheets, connectors, cables, and power supplies are minimum IP65 for wet-location environments



TILE Exterior (R2) has successfully passed rigorous testing that includes accelerated lifetime, thermal cycling, and connector corrosion to ensure lifetime reliability



Factory configurable to manage obstacles such as standoffs and conform to shapes or unusual dimensions while maintaining the integrity of every seal



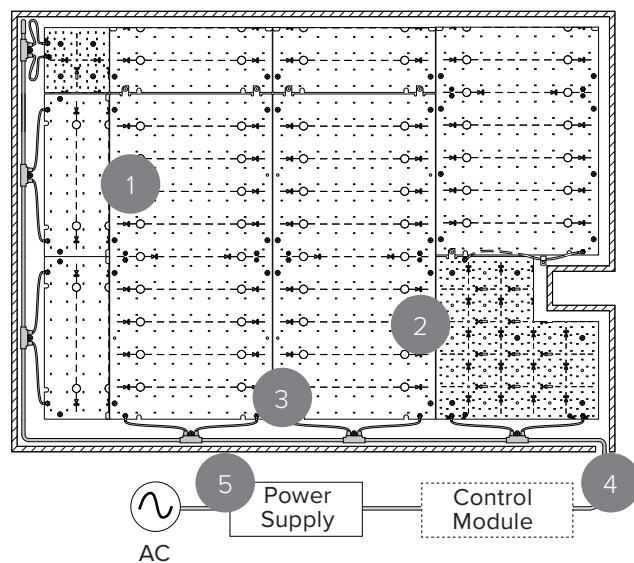
Coolidge's snap connector design maintains the simplicity of tool-less connections unique to our TILE products



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



SYSTEM OVERVIEW



- 1 TILE Exterior R2
- 2 TILE Exterior R2 Cut-out
- 3 TILE T-Cable
- 4 TILE Exterior Starter Kit
- 5 Power and Control

LINE

Create low profile linear accents with Cooledge LINE products.



Available in two widths with 90 CRI light output



The close spacing of LEDs allows for small setback distances (to < 1"/25mm) when used with diffusers delivering high quality illumination where light levels are an important design consideration



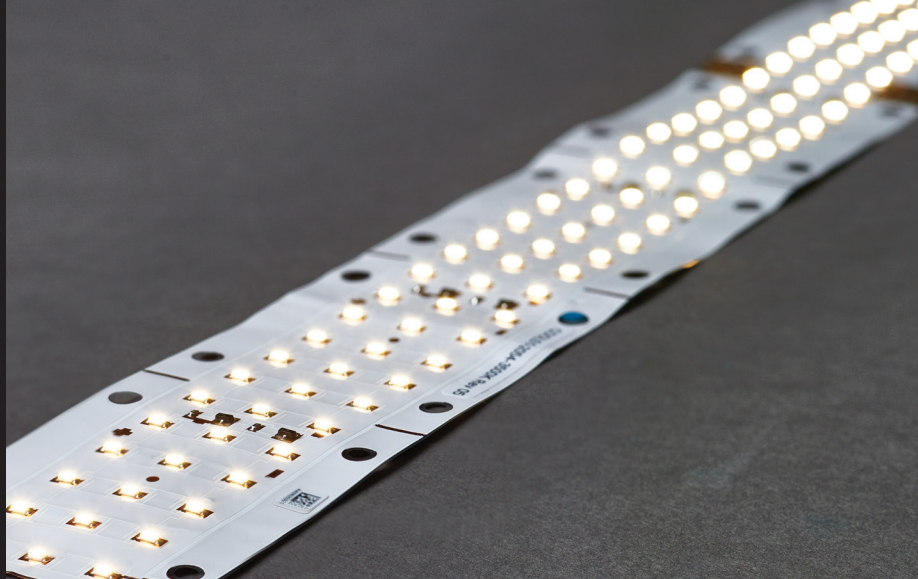
Delivered in standard lengths that can be adapted to field conditions and still meet all of the required performance specifications and reliability needs of each application



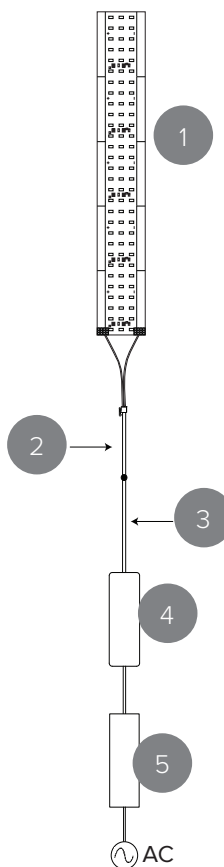
Flexible to conform to curved surfaces and unique geometries



Suitable for mounting directly to common millwork, cove, and slot materials



SYSTEM OVERVIEW



- 1 LINE
- 2 LINE Starter Cable
- 3 LINE Extension Cable (*optional*)
- 4 Control Module
- 5. Power Supply

POWER & CONTROL

Control on the scale of nature enables large luminous surfaces using industry standard protocols.



Interfaces with a full range of industry standard control protocols from simple analog (0-10V), to digital (DALI/DMX), and wireless (Casambi) options



Up to 4 @ 90W output channels enable larger luminous surfaces while reducing the number of line voltage connections required



Incorporates Cooledge's proprietary "C-Tune" technology that simplifies wiring and significantly increases the affordability of tunable white lighting in comparison with static color temperature options



Test mode available for on-site troubleshooting



The Cooledge Control Module is available in Casambi enabled (Bluetooth Low Energy wireless) models for deep dimming, tunable white, or dim-to-warm functionality



A single output for TILE Tunable White products reduces the opportunity for error that results from the multiple connections typically required for tunable white products

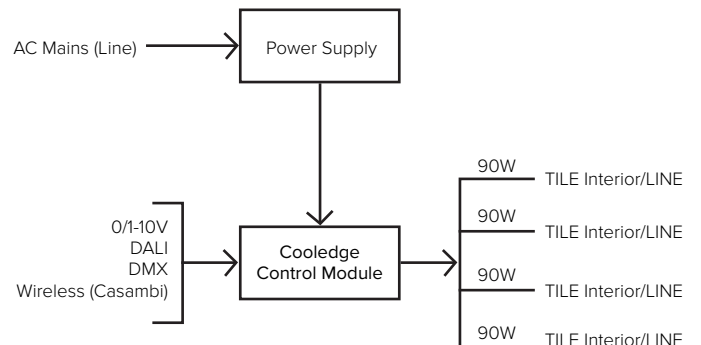


SYSTEM OVERVIEW

Static Color Temperature ("SCT")

Provides 4 @ 90W output with 0.05% deep dimming for:

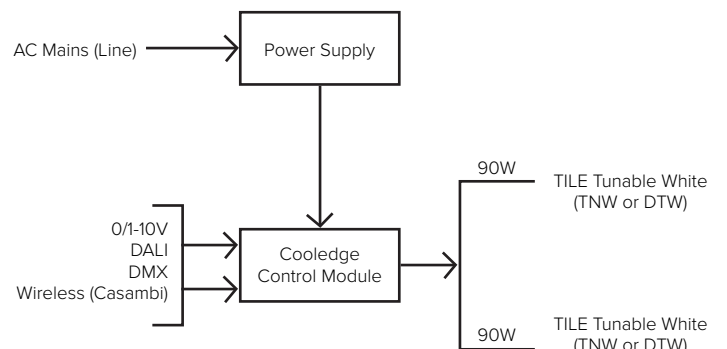
- TILE Interior
- TILE Exterior
- LINE



Dynamic Color Temperature (TNW" = Tunable White; " DTW" = Dim-To-Warm)

Provides 2 @ 90W output for:

- TILE Tunable White
(tunable white and dim-to-warm)





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