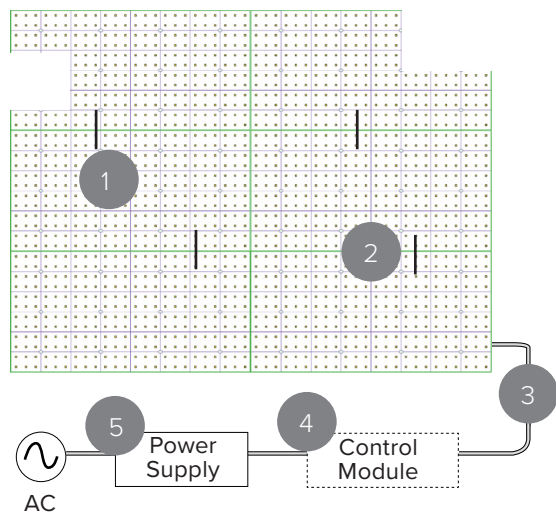




COOLEDGE TILE W+RGB - SPECIFICATIONS

| | | | |
|--------------|--|----------------|--|
| PROJECT | | REFERENCE TYPE | |
| SPECIFIED BY | | QUANTITY | |
| DATE | | NOTE | |

SYSTEM OVERVIEW



Superior quality white illumination that can be fine-tuned to your exact requirements with the ability to add dynamic colors.

| | |
|---|----------------------------------|
| 1 | W+RGB TILE |
| 2 | Jumper Cable |
| 3 | Starter Cable (6.6'/2.0m length) |
| 4 | Control Module |
| 5 | Power Supply |

SPECIFICATION

cUL Listed lighting system inclusive of flexible light emitting sheets, connectors, low voltage cables, and power & controls. Light output uniformity from the system must be at least +/-10% across the total illuminated area post-installation. The lighting system must have a Color Rendering index (CRI) ≥ 90 at all CCTs between 3000K-5700K and for all dimming levels. Electrical connections between cables and light emitting sheets must be tool-less and allow more than one connect/disconnect iteration. System must be configurable on-site and include the capability to accommodate obstacles, angles, and curves. System warranty is a minimum of 5 years.

GENERAL

| | |
|---------------------------------|---|
| Location | Indoor, dry location only |
| Operating Temp. | -20-+60°C (-4-+140°F) |
| Storage Temp. | -20-+70°C (-4-+158°F) |
| Input Voltage (to power supply) | 120-277 VAC |
| Operating Voltage | 24 VDC |
| Electrical Connections | Tool-less plug connectors |
| Mounting Surface | Non-conductive* (eg. drywall, plywood, etc) |

*Mounting to a conductive surface may void warranty. Please contact Cooledge if this is required.

FEATURES

- Exceptional light quality for general illumination
- Enables the ability to select tunable white CCT values with superior CRI and R9 values
- Cooledge Control Modules accept DMX and Casambi (wireless) for full color control
- 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
- Low setback distances, flexibility, and no requirement for a heat sink enable optimal integration with luminous surfaces

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Cooledge Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

PHOTOMETRICS

| Color | CCT/Wavelength (K/nm) | Luminous Flux (lm/sqft) | CRI | Voltage (DC V) | Power (W/sqft) |
|---------|-----------------------|-------------------------|-----|----------------|----------------|
| Red | 620-630 | 152 | -- | 24 | 5.8 |
| Green | 510-530 | 482 | -- | | 5.8 |
| Blue | 460-470 | 114 | -- | | 5.8 |
| White | 3500K | 510 | 90 | | 5.8 |
| W+R+G+B | N/A | 1265 | -- | | 23.0 |

TUNABLE WHITE CHARACTERISTICS

| Nominal CCT | CRI | R9 |
|-------------|-----|----|
| 2700K | 80 | 51 |
| 3000K | 90 | 79 |
| 3500K | 95 | 95 |
| 4000K | 95 | 97 |
| 5000K | 93 | 96 |
| 5700K | 91 | 88 |

CERTIFICATIONS



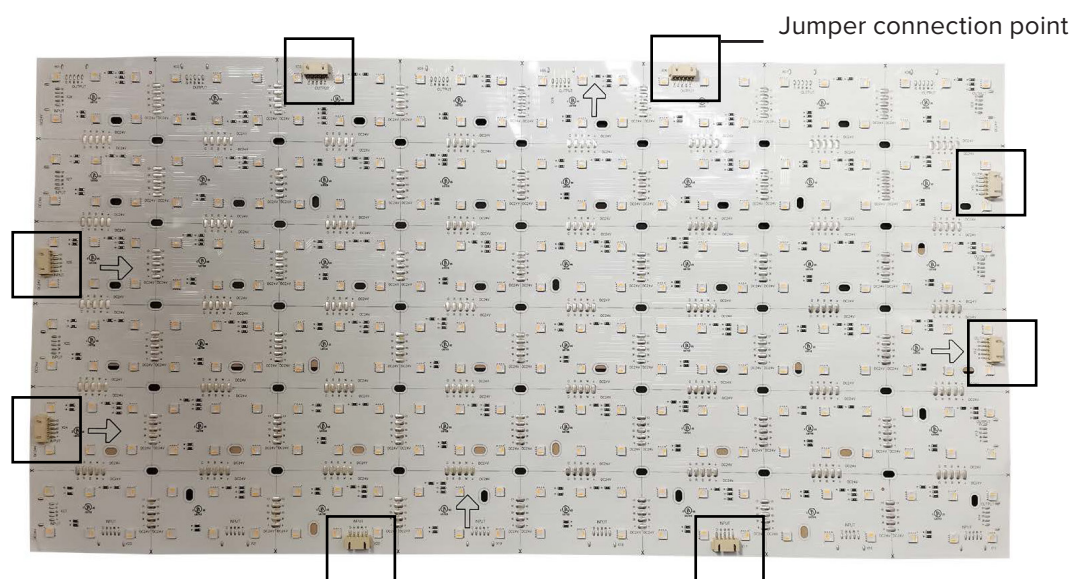
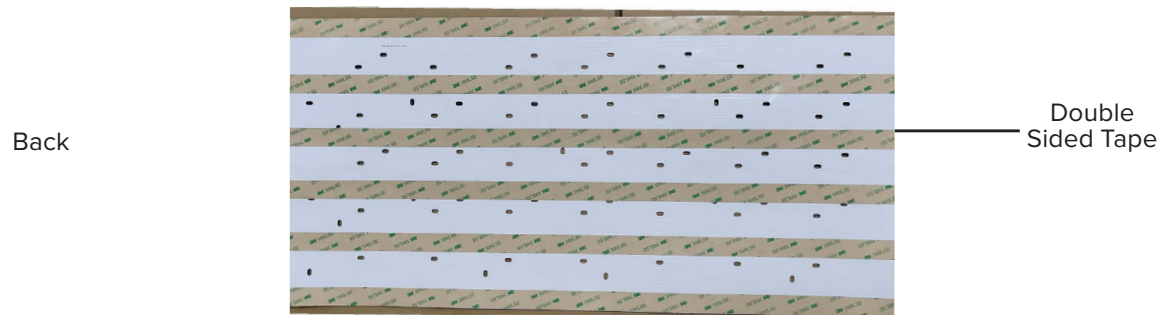
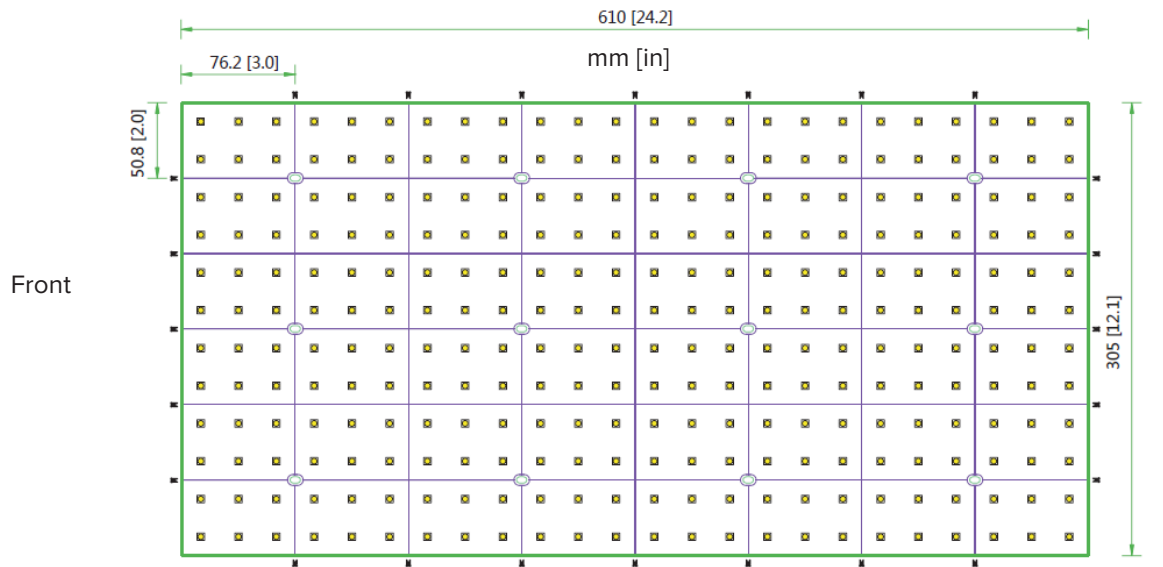
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WARRANTY



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

DIMENSIONS



POWER AND CONTROL

Additional specifications for the power supplies and Cooledge Control Modules for W+RGB are available in the following document:

- Power and Control Specifications (cUL Listed)

POWER SUPPLIES (24V)

Purpose: Convert AC main (line) power to safe, low voltage DC power.

| Order Code | # Controller Channels | Certification | Enclosure |
|--------------|-----------------------|---------------|-----------|
| EPSS-400-24V | 4 | cUL Listed | Yes |

COOLEDGE CONTROL MODULES (24V)

Purpose: Receives 24VDC power from the power supply and converts it to max. 90W per channel of controlled output to drive W+RGB sheets. Also receives input control from one of 2 protocol options to control color and dimming levels. These are cUL Listed and CE Compliant.

| Order Code | Function | Protocols |
|------------------|----------|--------------------|
| CTR-WRGB-DMX-24V | W+RGB | DMX |
| CTR-WRGB-CAS-24V | W+RGB | Casambi (Wireless) |

HOW TO ORDER

| Order Code | Description |
|------------------|--|
| TILE-WRGB-35-R1 | Cooledge TILE W+RGB (12" x 24"/305mm x 610mm), 3500K White, 24VDC |
| TCBL-WRGB-JMP | Jumper cable; connection between TILE W+RGB sheets |
| TACC-WRGB-STR-K | Starter cable (6.6'/2.0m length); connection between Control Module and TILE W+RGB |
| CTR-WRGB-DMX-24V | Cooledge Control Module, DMX input, 24V |
| CTR-WRGB-CAS-24V | Cooledge Control Module, Casambi (Wireless) input, 24V |
| EPSS-400W-24V | 400W Power Supply, 24 VDC output |