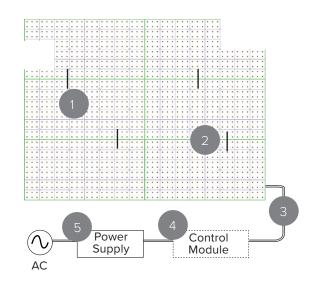
## COOLEDGE TILE W+RGB - SPECIFICATIONS



PROJECT	REFERENCE TYPE	
SPECIFIED BY	QUANTITY	
DATE	NOTE	

### SYSTEM OVERVIEW



## 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

Cooledge Lighting Inc. 110-13551 Commerce Parkway Richmond, BC V6V 2L1 Canada O +1 604 273 2665 F +1 604 273 2660 T +1 844 455 4448 W cooledgelighting.com 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.

Superior quality white illumination that can be finetuned 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

CE Compliant 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.

### PHOTOMETRICS

Color	CCT/Wavelength (K/nm)	Luminous Flux (Im/m²)	CRI	Voltage (DC V)	Power (W/m²)
Red	620-630	1635			61.9
Green	510-530	5190			61.9
Blue	460-470	1225		24	61.9
White	3500K	5490	90		61.9
W+R+G+B	N/A	13,610			247.5

# 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





# RoHS

# WARRANTY

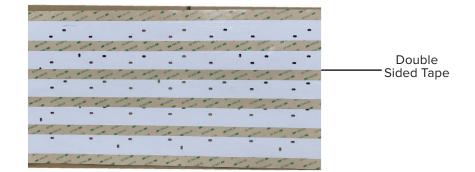


5 Year Limited Warranty: Parts and workmanship when used with a Cooledge approved power supply.

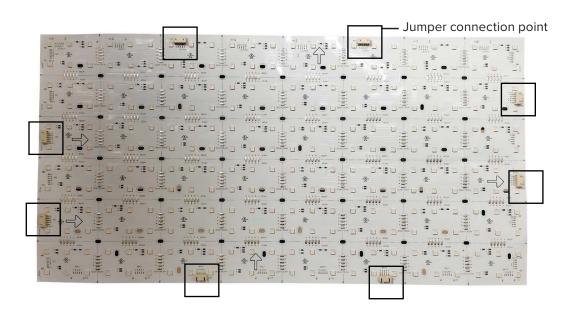


### DIMENSIONS

	-										610	[24.2]										_	4
	7	6.2 [	3.0]	ł						l	mm	[in]											
	•			•	•		۰		N ED														1 T
	۵	۵			۵	۵	۵	۵		۵	۵	۵	۵	۵		۵	۵	۵	۵				-
	Ø									۵													
	۵	۵		۵	۵	۵	۵	۵	۵	۵			۵					۵	۵	۵	۵		-
Front	۵			۵		۵			۵			۵						۵			۵		
:		٥	•			۵	۵	•						•						•			<b>1</b> [12.1]
	۵	۵				۵	۵						۵					۲					305 [
:		۵				٥	٥		۵						۵								-
	۵	۵		۵	۵	۵	۵	۵	۵	۵		۵	۵		۵	۵	۵	۵	۵	۵	۵	۵	
:		۵		•		۵		•				۵		•									*
	۵	۵		۵	۵	۵	۵		۵	۵		۵	۵	۵		۵	۵	۵	۵	۵		۵	
	۵	٥		۵	٠		٥			۵			٥	۵		٥	۵			۵			J 1



Back



COOLEDGE<sup>™</sup> Light as a building material

COOLEDGE™

Light as a building material

## 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 (CE Compliant)

### 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	CE Compliant	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-400-24V	400W Power Supply, 24 VDC output