



## COOLEDGE CUL LISTED LED DRIVERS - SPECIFICATIONS

PROJECT		REFERENCE TYPE	
SPECIFIED BY		QUANTITY	
DATE		NOTE	For Luminous Surfaces

### INTERIOR DRIVERS

**Purpose:** Cooledge Interior cUL Listed LED Drivers are used to power the following products:

- Cooledge TILE Interior
- Cooledge TILE Tunable White
- Cooledge LINE

### FEATURES

- 58 VDC Constant Voltage output
- 0-10V dimming & CCT tuning
- 2-channel driver incorporates deep dimming to 0.05% light output
- 2-channel driver offers flicker-free dimming at 3000Hz

### CERTIFICATIONS



**RoHS**

### WARRANTY



5 Year Limited Warranty:  
Parts and workmanship.

Category	1-Channel (Dimming)	2-Channel (Dimming + Tuning)
Enclosure Size (in)	11 x 4 x 3	11 x 4 x 3
Input Frequency (Hz)	47-63	47-63
Nominal Input Voltage Range (VAC)	120-277	120-277
Output Power (W)	90W	90W
Constant Voltage Output (VDC)	58	58
Efficiency (%) - typical at full load	89% (120V) 92% (277V)	87% (120V) 90% (277V)
Power Factor - full load	0.998	0.998
Total Harmonic Distortion (%) - full load	<10	<10
Start time at full load (sec) - typical	1.0	1.0
Max Inrush Current	NEMA 410-2015	NEMA 410-2015
Max Leakage Current (MIU)	0.5	0.5
Standard Protection - Overvoltage, Overcurrent, Short Circuit	Yes + Overtemperature	Yes
Dimming Control Protocol*	0-10V*	0-10V*
Dimming Range (%)	1-100	0.05-100
Dimming Frequency (Hz)	2000	3000
Maximum Control Current (Source)*	2mA	2mA
# Input Control Conductors (Class 2)	2 (20-22 AWG)	4 (20-22 AWG)
Ingress Protection Rating	Dry location	Dry location
Humidity (%) – max. relative, non-condensing	90	90
Operating Temperature Range (°C/°F)	0 - 40°C 32 - 104°F	0 - 40°C 32 - 104°F
Storage Temperature Range (°C/°F)	20 - 70°C -4 - 158°F	20 - 70°C -4 - 158°F
Rated Lifetime (hr)	70,000	70,000
UL Certification	cUL Listed	cUL Listed
FCC Rating – FCC 47, Part 15	Class A	Class A
ANSI Standards	ANSI/IEEE C62.41 cat A	ANSI/IEEE C62.41 cat A
RoHS Compliance	Yes	Yes

\*Compliant with IEC Standard 60929 Annex E (Ballasts)

### HOW TO ORDER

EPSD	-	090	-	58V	-	010
<u>PRODUCT</u> EPSD = Enclosed Power Supply - Dimmable		<u>POWER</u> 090 = 90W		<u>CHANNELS</u> 1CH = 1 Channel 2CH = 2 Channel		<u>OUTPUT VOLTS</u> 58V
						<u>CONTROL PROTOCOL</u> 010 = 0-10V

Example: EPSP-090-1CH-58V-010

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.



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### EXTERIOR DRIVERS

**Purpose:** Cooledge Exterior cUL Listed LED Drivers are used to power the following products:

- Cooledge TILE Exterior

### FEATURES

- 24 VDC Constant Voltage output
- IP65 Rated Enclosure included

### CERTIFICATIONS



**RoHS**

### WARRANTY



5 Year Limited Warranty:  
Parts and workmanship .

Enclosure Size (in)	14 x 5 x 3
Input Frequency (Hz)	47-63
Nominal Input Voltage Range (VAC)	120-277
Output Power (W)	90W
Constant Voltage Output (VDC)	24
Efficiency (%) - typical at full load	88% (120V)
Power Factor - full load	0.93
Total Harmonic Distortion (%) - full load	<20
Max Inrush Current (A)	12
Ingress Protection Rating (enclosure)	IP65
Standard Protection - Overvoltage, Overcurrent, Short Circuit	Yes + Overtemperature
Rated Lifetime (hr)	50,000
Operating Temperature Range (°C/°F)	-20 - 50°C -4 - 122°F
Storage Temperature Range (°C/°F)	-40 - 70°C -40 - 158°F
UL Certification	cUL Wet Location Listed (UL2108)
FCC Rating – FCC 47, Part 15	Class B
RoHS Compliance	Yes

### HOW TO ORDER

EPSS	-	090	-	24V
<u>PRODUCT</u> EPSS = Enclosed Power Supply - Static*		<u>POWER</u> 090 = 90W		<u>OUTPUT VOLTS</u> 24V

Example: EPSS-090-24V

\*Consult Cooledge for dimming options

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