COOLEDGE CE COMPLIANT LED DRIVERS - SPECIFICATIONS

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>REFERENCE TYPE</th>
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<tbody>
<tr>
<td>SPECIFIED BY</td>
<td>QUANTITY</td>
</tr>
<tr>
<td>DATE</td>
<td>NOTE</td>
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</tbody>
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For Luminous Surfaces

INTERIOR DRIVERS

**Purpose:** Cooledge Interior CE Compliant LED Drivers are used to power the following products:
- Cooledge TILE Interior
- Cooledge TILE Tunable White
- Cooledge LINE

**FEATURES**
- 58 VDC Constant Voltage output
- 0/1-10V dimming & CCT tuning
- 2-channel driver incorporates deep dimming to 0.05% light output
- 2-channel driver offers flicker-free dimming at 3000Hz

**CERTIFICATIONS**

CE Compliance
- EN/IEC 60598 (System)
- EN/IEC 55015 (Class B)
- EN/IEC 6157: 2009
- EN/IEC 61000-3-2, 3
- EN/IEC 61347-1
- EN/IEC 61347-2-13
- EN/IEC 61000-4-2,3,4,5,6,8,11 (Class A)

RoHS Compliance
- Yes

**WARRANTY**
5 Year Limited Warranty: Parts and workmanship

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>PSD</th>
<th>000</th>
<th>-</th>
<th>090</th>
<th>-</th>
<th>-</th>
<th>58V</th>
<th>-</th>
<th>010</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT</td>
<td>PSD = Power Supply</td>
<td>- Dimmable</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>POWER</td>
<td>090 = 90W</td>
<td></td>
<td></td>
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<tr>
<td>CHANNELS</td>
<td>1CH = 1 Channel</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>2CH = 2 Channel</td>
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<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>OUTPUT VOLTS</td>
<td>58V</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CONTROL PROTOCOL</td>
<td>010 = 0/1-10V</td>
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Example: EPSD-090-1CH-58V-010

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EXTERIOR DRIVERS

Purpose: Cooledge Exterior CE Compliant LED Drivers are used to power the following products:
- Cooledge TILE Exterior

FEATURES
- 24 VDC Constant Voltage output
- IP65 Rated Enclosure Available

CERTIFICATIONS

WARRANTY
5 Year Limited Warranty:
Parts and workmanship

Category | Built-in Installation Type | Independent Mounting Type
--- | --- | ---
Driver Housing Size (mm) | 241 x 43 x 30 | 241 x 43 x 30
Enclosure Size | Not Applicable | 356 x 127 x 76
Input Frequency (Hz) | 50-60 | 50-60
Nominal Input Voltage Range (VAC) | 120-277 | 120-277
Output Power (W) | 90 | 90
Constant Voltage Output (VDC) | 24 | 24
Efficiency (%) – typical at full load | 89 (240VAC) | 89 (240VAC)
Power Factor – typical at full load | 0.96 (240VAC) | 0.96 (240VAC)
Total Harmonic Distortion (%) – typical at full load | < 15 (240VAC) | < 15 (240VAC)
Max Inrush Current (A) - typical | 8 (240VAC) | 8 (240VAC)
Standard Protection – Overvoltage, Overcurrent, Short Circuit | Yes + Overtemperature (Auto re-set) | Yes + Overtemperature (Auto re-set)
Ingress Protection Rating | Provided by others per IEC 60634 | IP65
Operating Temperature Range (°C) | -40 - 55 °C (within the enclosure) | -20 - 50°C
Storage Temperature Range (°C) | -40 - 70°C | -40 - 70°C
Maximum Case Temperature - Tc (°C) | 85 | Not Applicable
Rated Lifetime (hr) | 50,000 | 50,000
CE Compliance | EN/IEC 55015 (Class B) EN/IEC 61547: 2009 EN/IEC 61000-3-2, 3 EN/IEC 61347-1 EN/IEC 61347-2-13 EN/IEC 61000-4-2,3,4,5,6,8,11 | EN/IEC 60598 (System) EN/IEC 55015 (Class B) EN/IEC 61547: 2009 EN/IEC 61000-3-2, 3 EN/IEC 61347-1 EN/IEC 61347-2-13 EN/IEC 61000-4-2,3,4,5,6,8,11
RoHS Compliance | Yes | Yes

HOW TO ORDER

| PRODUCT          | - 090 - 24V |
--- | --- |
EPSS = Enclosed Power Supply - Static | POWER 090 = 90W |
PSS = Power Supply - Static* | OUTPUT VOLTS 24V |

Example: PSS-090-24V

*Consult Cooledge for dimming options

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