Optotronic control interfaces operate on the principle of pulse width modulation and are used on the secondary side of the power supply unit, i.e. wired between the power supply and iLight’s Plexineon fixtures. In pulse width modulation, the power supply to the fixtures is interrupted at a specific frequency. This permits individual adjustment of the required light output. In this context, the high frequency provides flicker-free lighting. Pulse width modulation technology guarantees a linear dimming characteristic for the eye at maximum dimming speed without any color shift from the fixture.

### Ordering Information

**Ordering Number:**
- 65-DIM01-001-00 Osram Single Channel Dimmer (OT DIM)
- 65-DIM02-001-00 Osram RGB Dimmer (OTRGBDIM)

### Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Nominal Input Voltage (VDC)</th>
<th>Max. Input Current (A)</th>
<th>Control Voltage (VDC)</th>
<th>Max. Output Power per Channel (W)</th>
<th>Max. Output Power (W)</th>
<th>Max. Output Current per Channel (A)</th>
<th>Output Frequency (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT DIM</td>
<td>10.5 24</td>
<td>5.3 5.3</td>
<td>1-10VDC 1-10VDC</td>
<td>0-52.5 0-120</td>
<td>52.5 120</td>
<td>2.5 2.5</td>
<td>135</td>
</tr>
<tr>
<td>OTRGBDIM</td>
<td>10.5 24</td>
<td>6 6</td>
<td>1-10VDC 1-10VDC</td>
<td>0-21 0-48</td>
<td>60 140</td>
<td>2 2</td>
<td>350</td>
</tr>
</tbody>
</table>

### Dimensions:
- 6.77” L X 1.65” W X 0.79” H
- 172mm L X 42mm W X 20mm H

### Lead Lengths:
- Non-ledged
WIRING REQUIREMENTS:
INPUT, LOAD, AND CONTROL WIRES:
USE 16 TO 18AWG SOLID OR STRANDED WIRE

POWER SUPPLY UNIT

LED MODULES

OT

OT DIM

1-10VDC
<0.6mA

10-24VDC

INPUT OTDIM 10-24VDC 1-10VDC <0.6mA

POWER SUPPLY UNIT

LED MODULES

OTRGBDIM

10-24VDC

+ R
+ G
+ B

1-10VDC
<0.6mA

1-10V CONTROLLERS OR THREE 100K POTENOMETERS