

# LSS



## PowerDim 3K

The *LSS PowerDim 3K* is a thyristor dimmer in a compact shuttle design. Especially in decentralised light system it develops the maximum potential. Full passive cooling on the generously sized ribs and the RDM capabilities make the *PowerDim 3K* to an on-stage dimmer par excellence in the professional theatre and studio operations.

To avoid defects in the *LSS PowerDim 3K* is equipped with safety devices. In addition to permanent overload measurement a constantly running peak test and short-circuit test belongs to it. So damages to the dimmer itself, but also to the lighting system can be avoided.

The *LSS PowerDim 3K* is controlled by DMX512. The control protocol is complemented by the Remote Device Management (RDM) protocol. Thus, configuration and monitoring of the dimmer are available directly at the main console. To increase the reliability, the *PowerDim 3K* features a DMX-hold function. In case of a data loss, the last received data will be held and run.

The *LSS PowerDim 3K* is designed for dimming halogen lamps and all other headlights with incandescent lighting. The *PowerDim 3K* offers 13 dimmer curves and for using halogen lamps it is equipped with a preheat witch is configurable via RDM.

## Technical specifications:

|   |  |
|---|--|
| <b>Power Supply</b>                               | 230V / AC / 50/60Hz  |
| <b>Nominal current</b>                            | Max. 13 A  |
| <b>Minimum load</b>                               | 25W  |
| <b>Hardware connectors and interfaces</b>         | Power: powerCon blue<br>Dimmer output: powerCon black<br>DMX input: 5pin XLR female<br>DMX THRU: 5pin XLR male                                       |
| <b>Protocol</b>                                   | DMX512A (ANSI E1.11)   |
| <b>Power Output</b>                               | 3 kVA  |
| <b>Internal fuse</b>                              | 20 A slow with electronic overload   |
| <b>Internal monitoring</b>                        | <ul style="list-style-type: none"><li>- Load current monitoring</li><li>- Short circuit monitoring</li><li>- Temperature monitoring</li></ul>        |
| <b>Overload limit:</b>                            | 14A (Default setting, manually changeable)   |
| <b>Temperature warnings/<br/>Over temperature</b> | 75°C (167°F)/<br>80°C (176°F) (Default settings, manually changeable)  |
| <b>Settings</b>                                   | <ul style="list-style-type: none"><li>- DMX address</li><li>- 13 dimmer curves</li><li>- Behaviour in case of data loss</li><li>- Pre heat</li></ul> |
| <b>Rise time</b>                                  | ≥ 200µs  |
| <b>Settings via</b>                               | 2 short stroke buttons, 5 hexadecimal rotary switches, RDM   |
| <b>Operation temperature</b>                      | 0° to +50°C (32° to 122°F) in vertical position<br>0° to +40°C (32° to 104°F) in other positions   |
| <b>Weight</b>                                     | 4,4 kg   |
| <b>Dimensions<br/>(W x L x H)</b>                 | 210 x 215 x 100mm  |
| <b>Order number</b>                               | L02001   |