METROLIGHT
LIGHT FORWARD

product compatibility:

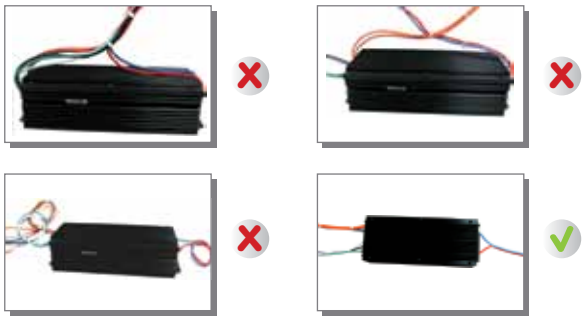
# EMC: SmartHID™ 100-450W Ballast Integrated with Fixture

| Test | Description | SmartHID™ 100-450W Ballast Integrated with Fixture* |
|---|---|---|
| FCC Conducted Emissions | FCC Title 47 Part 18 C (non consumer) | ✓ |
| FCC Radiated Emissions | FCC Title 47 Part 18 C (non consumer) | ✓ |
| CE Conducted Emissions | EN 55015: 2006 + Amendment A1: 2007 | ✓ |
| CE Radiated Disturbances Magnetic Component | EN 55015:2006 + Amendment A1: 2007 | ✓ |
| CE Radiated Disturbances Electric Component | EN 55015:2006 + Amendment A1: 2007 | ✓ |
| CE Harmonic Emissions | EN61000-3-2:2006 | ✓ |
| EMC Immunity | EN61547 | ✓ |

* Test was performed and certified on specific fixtures using a filter and does not necessary apply to every fixture. Test was undertaken at an externally approved lab

IMPORTANT: It is essential that the following points are adhered to:

- Input wires should be as short as possible with no loops
- Output wires should be as short as possible with no loops
- Ensure ground connections are secure
- Avoid crossing output and input wires
- Avoid crossing power and the communication & control wires
- Ensure that input, output and control & communication wires are in separate harnesses
- Ensure that the control & communication wire shields are grounded



*If necessary, add an EMC line filter such as the SCHAFFNER 2020-6-06 or similar and place the output wires in a grounded shielded sleeve

Please Note: The fixture characteristic and the wiring method significantly influence the EMC test results of a fixture and, according to regulations, it is the responsibility of the fixture supplier/OEM to ensure that the fixture abides by the EMC test regulations.

**If you require further information and/or assistance, please contact your local Metrolight distributor.**

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