

EU Declaration of Conformity

The declaration of conformity is issued under the sole responsibility of the manufacturer.

1) Product name and serial range:

Robot Lights SN: OSE_RL_***



Figure 1: Robot lights

1.1) Object of the declaration

Description:

The OSE robot lights provide GPIO controlled directional area lighting for robotic platforms.

Specification:

- 12-24 V power
- 3.3 – 5 V GPIO control
- 300 mA at 12 V
- Mounting for Boston Dynamics Spot payload space

2) Manufactured by:

Osprey Systems Engineering Ltd

3) Declaration:

I hereby declare that the Robot Smart Lights are in conformity with the operation, material content and essential health and safety requirements of the following harmonised legislation:

3.1 - Restriction of Hazardous Substance (RoHS)

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment and all addendums current to the date of issue of this declaration.

3.2 - EMC Directive

Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 harmonising laws across the European Union related to electromagnetic compatibility.

4) Conformity Assessment:

This declaration is made following the Conformity Assessment Procedure contained within the directives [3.1] and [3.2] above. The procedure chosen is Internal Production Control pursuant to Annex II, Module A of Decision No 768/2008/EC of the European Parliament and of the Council of 9 July 2008 on a common framework for the marketing of products.

5) Harmonised Standards:

This declaration is made using the Presumption of Conformity granted to harmonised standards published within the Official Journal of the European Union pursuant to Article R8 of Decision No 768/2008/EC of the European Parliament and of the Council of 9 July 2008 on a common framework for the marketing of products. The following harmonised standards have been applied:

- 5.1) - BS EN IEC 55015:2019+A11:2020
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- 5.2) - BS EN 61547:2009
Equipment for general lighting purposes. EMC immunity requirements
- 5.3) - BS EN 61000-4-2:2009
Electromagnetic compatibility (EMC) - Testing and measurement techniques. Electrostatic discharge immunity test
- 5.4) - BS EN IEC 61000-4-3:2020
Electromagnetic compatibility (EMC) - Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
- 5.5) - RoHS - IEC EN 63000:2018
Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
- 5.6) - Luminaire Standard - IEC 60598-1
General requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1 KV

6) Operation:

This device is designed for use within the EU and United Kingdom.

7) Date of Issue:

31st January 2025

8) Place of Issue:

Osprey Systems Engineering Ltd
Unit 4, Derwent Mills commercial Park
Cockermouth
CA130HT
United Kingdom

9) Signature:

Dr. Benjamin Bird

Managing Director

Osprey Systems Engineering Ltd



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