Type Examination Certificate

1. **TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3. **Type Examination Certificate Number: ITS10ATEX27129 Issue 1**

4. **Product:** Eflare Compact Warning Beacon 250, 350, 280 magenta, 280 / 290, 700 magenta, 700, 800, 800 BASt, 800 aviation, 500/600 series

5. **Manufacturer:** Eflare Corporation Pty Limited

6. **Address:** Suite 4, 750 Blackburn Road, Clayton Victoria, 3168, Australia

7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

   In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificate referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. New issues of such Type Examination Certificates, and Supplementary Certificates to such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

   The examination and test results are recorded in confidential Intertek Report Intertek Report 103083761CHE-001 Dated: June 2017.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013 and EN 60079-11:2012 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This Type Examination Certificate relates only to the design of the specified product and not to specific items subsequently manufactured.

12. The marking of the product shall include the following:

    II 3 G Ex ic IIC T4 Gc

    -20°C ≤ Ta ≤ +55°C

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P Moss
Certification Officer
13th July 2017

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13. Description of Equipment or Protective System

The Eflare Compact Warning Beacon is a battery-operated beacon device with options for different colours and whether the beacon flashes or is continuously lit.
The apparatus is fully self-contained in a cylindrical moulded yellow plastic enclosure, the batteries are removed from the bottom by a screw on cap, the beacon is turned on and off by rotating the top clear lens moulding that actuates a switch controlling power to the device. Sealing is achieved by O rings installed in the main body moulding for the bottom cap and the top rotating clear lens.
The Eflare Compact Warning Beacon may also optionally be inserted into a moulded rubber mounting base that holds the Beacon in an upright position on a level surface.
The following models have been covered by this certificate:

350 Series Beacons
LED Colours Available: Red or Amber
Unit Prefixed with Letters EF.
Units are single colour flash.
500/600 Series Beacons
LED Colours Available: Red, Amber, Blue, Green, White in either single or combination
Prefix Notes;
1. All beacons are manufactured as standard with HZ as a prefix e.g. HZ510R or EF as a prefix e.g. EF512A.
2. Units with and LS prefix have an additional photocell P/N SFH603P fitted at position PD2 e.g. LS510R
3. Units with a TF prefix have an additional 3 x Torch LED P/N TKP17 fitted in position LD14-LD16 e.g. TF510R
4. Units with an AV prefix have an additional 3 x Torch LED P/N TKP17 fitted in position LD14-LD16 e.g. AV610W but are programmed to either all flash (inc torch LED's), all steady on (inc torch LED's) or torch only.

Note: Connections are not used.
Part No Function Definitions;
1. 510 = Flash Only – 8 LED
2. 512 = Flash Only – 16 LED
3. 513 = 180 or 360 deg Flash – 8 LED
4. 520 = Steady On – 8 LED
5. 521 = Steady On One Colour OR Second Colour – 16 LED
6. 522 = Steady On – 16 LED
7. 530 = Dual Flash Beacon – 8 LED
8. 532 = Dual Flash Beacon – 16 LED
9. 550 = Steady on Different Colours Either Side – 16 LED
10. 610 = Flash or Steady On – 8 LED
11. 612 = Flash or Steady On – 16 LED
12. Letter(s) at the end denotes LED col

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700 Series Beacons
Led Colours Available: Red, Amber, Blue, Green, White in either single or combination
Prefix Notes;
1. All beacons are manufactured as standard with AT as a prefix e.g. AT700R
2. Units with and LS prefix have an additional photocell P/N SFH603P fitted at position PD2... e.g. LS700R
3. Units with a TF prefix have an additional 3 x Torch LED P/N TKP17 fitted in position LD14 – LD16 e.g. TF700R
Part No Function Definitions;
1. 700 = Flash or Steady On
2. 710 = Flash Only
3. 713 = 180 or 360 deg Flash
4. 720 = Steady On Only
5. 723 = 180 or 360 deg Steady On
6. 730 = Dual Flash Beacon
7. Letter(s) at the end denotes LED colour

800 Series beacons
Led Colours Available: Red, Amber, Blue, Green, White in either single or combination
Prefix Notes;
1. All beacons are manufactured as standard with AT as a prefix e.g. AT800R
2. Units with and LS prefix have an additional photocell P/N SFH603P fitted at position PD2 e.g. LS800R
3. Units with a TF prefix have an additional 3 x Torch LED P/N TKP17L51WC2 fitted in position LD14-LD16 e.g. TF800R
Part No Function Definitions;
1. 800 = Flash or Steady On
2. 810 = Flash Only
3. 811 = Flash One Colour OR Second Colour
4. 813 = 180 or 360 deg Flash
5. 814 = Flash With Choice of 3 Colours
6. 815 = Flash – Full or Half Bright
7. 820 = Steady On Only
8. 821 = Steady On One Colour OR Second Colour
9. 823 = 180 or 360 deg Steady On
10. 824 = Steady On With Choice of 3 Colours
11. 825 = Steady On – Full or Half Bright
12. 830 = Dual Flash Beacon
13. 850 = Steady on Different Colours Either Side
14. Letter(s) at the end denotes LED col

EN800 BASt Series Beacons
LED Colours Available: Red or Amber
Unit Prefixed with Letters EN.
Units are single colour and can be flash, steady on or torch (or combination)

800 Aviation Series Beacons
Led Colours Available: Red, Amber, Blue, Green, White in either single or combination
Unit Prefixed with Letters AV.
Units are single colour and can be flash, steady on or torch (or combination)

14. Report Number

Intertek Report Ref: 103083761CHE-001 Dated: June 2017

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15. Conditions of Certification

(a). Specific Conditions of Safe Use

- None.

(b). Conditions of Manufacture

- None.

16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) affected by this variation have been identified and assessed in Intertek Report Ref: 103083761CHE-001 Dated: June 2017

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
250 Series BOM	250 Series BOM	007	2016-09-16
PCB TF250B PLCC2 Bottom Layer	PCBD05 TF250B 06AUG15	05	2015-08-06
PCB TF250B PLCC2 Bottom Overlay	PCBD05 TF250B 06AUG15	05	2015-08-06
PCB TF250B PLCC2 Top Layer	PCBD05 TF250B 06AUG15	05	2015-08-06
PCB TF250B PLCC2 Top Overlay	PCBD05 TF250B 06AUG15	05	2015-08-06
PCB TF250R PLCC2 Bottom Layer	PCBD05 TF250R 06AUG15	05	2015-08-06
PCB TF250R PLCC2 Bottom Overlay	PCBD05 TF250R 06AUG15	05	2015-08-06
PCB TF250R PLCC2 Top Layer	PCBD05 TF250R 06AUG15	05	2015-08-06
PCB TF250R PLCC2 Top Overlay	PCBD05 TF250R 06AUG15	05	2015-08-06
TF250B Schematic	SCHD05 TF250B 06AUG15	5	2015-08-06
TF250R Schematic	SCHD05 TF250R 06AUG15	5	2015-08-06
Development Bill of Material for 280 MAG Series Units	280 Series BOM	004	2016-08-26
PCB TF280M PLCC4 Bottom Layer	PCBD11 TF280M 04Apr14	11	2014-04-04
PCB TF280M PLCC4 Bottom Overlay	PCBD11 TF280M 04Apr14	11	2014-04-04
PCB TF280M PLCC4 Top Layer	PCBD11 TF280M 04Apr14	11	2014-04-04
PCB TF280M PLCC4 Top Overlay	PCBD11 TF280M 04Apr14	11	2014-04-04
TF280MAG Schematic	SCHD01 TF280MAG 31Jul14	01	2015-08-06
280 & 290 Series SOM	280 & 290 Series SOM	D18	2016-08-24
PCB TF2808 PLCC4 Bottom Layer	PCBD11 TF2808 21MAY15	11	2015-05-21
PCB TF2808 PLCC4 Bottom Overlay	PCBD11 TF2808 21MAY15	11	2015-05-21
PCB TF2808 PLCC4 Top Layer	PCBD11 TF2808 21MAY15	11	2015-05-21
PCB TF2808 PLCC4 Top Overlay	PCBD11 TF2808 21MAY15	11	2015-05-21
PCB TF2808 PLCC2 Bottom Layer	PCBD11 TF2808 24MAY15	11	2015-05-24
PCB TF2808 PLCC2 Bottom Overlay	PCBD11 TF2808 24MAY15	11	2015-05-24
PCB TF2808 PLCC2 Top Layer	PCBD11 TF2808 24MAY15	11	2015-05-24
PCB TF2808 PLCC2 Top Overlay	PCBD11 TF2808 24MAY15	11	2015-05-24
PCB TF280R PLCC4 Bottom Layer	PCBD11 TF280R 20MAY15	11	2015-05-20
PCB TF280R PLCC4 Bottom Overlay	PCBD11 TF280R 20MAY15	11	2015-05-20
PCB TF280R PLCC4 Top Layer	PCBD11 TF280R 20MAY15	11	2015-05-20
PCB TF280R PLCC4 Top Overlay	PCBD11 TF280R 20MAY15	11	2015-05-20
PCB TF280R PLCC2 Bottom Layer	PCBD11 TF280R 23MAY15	11	2015-05-23
PCB TF280R PLCC2 Bottom Overlay	PCBD11 TF280R 23MAY15	11	2015-05-23

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Title:	Drawing No.:	Rev. Level:	Date:
PCB TF280R PLCC2 Top Layer	PCBD11 TF280R 23MAY15	11	2015-05-23
PCB TF280R PLCC2 Top Overlay	PCBD11 TF280R 23MAY15	11	2015-05-23
PCB TF280RB PLCC4 Bottom Layer	PCBD11 TF280RB 19MAY15	11	2015-05-19
PCB TF280RB PLCC4 Bottom Overlay	PCBD11 TF280RB 19MAY15	11	2015-05-19
PCB TF280RB PLCC4 Top Layer	PCBD11 TF280RB 19MAY15	11	2015-05-19
PCB TF280RB PLCC4 Top Overlay	PCBD11 TF280RB 19MAY15	11	2015-05-19
PCB TF280RB PLCC2 Bottom Layer	PCBD11 TF280RB 22MAY15	11	2015-05-22
PCB TF280RB PLCC2 Bottom Overlay	PCBD11 TF280RB 22MAY15	11	2015-05-22
PCB TF280RB PLCC2 Top Layer	PCBD11 TF280RB 22MAY15	11	2015-05-22
PCB TF280RB PLCC2 Top Overlay	PCBD11 TF280RB 22MAY15	11	2015-05-22
Schematic AT2808 TF2808 LS2808	SCHD02 TF2808 21MAY15	2	2015-05-21
Schematic AT280R TF280R LS280R	SCHD02 TF280R 20MAY15	2	2015-05-20
Schematic AT280RB TF280RB LS280RB	SCHD02_TF280RB_19MAY15	2	2015-05-19
700 Series SOM	700 Series SOM	D19	2016-10-14
PCB 700 PLCC4 Bottom Layer	PCBD08 TF700 02MAY16	08	2016-05-02
PCB 700 PLCC4 Bottom Overlay	PCBD08 TF700 02MAY16	08	2016-05-02
PCB 700 PLCC4 Top Layer	PCBD08 TF700 02MAY16	08	2016-05-02
PCB 700 PLCC4 Top Overlay	PCBD08 TF700 02MAY16	08	2016-05-02
PCB 700 PLCC2 Bottom Layer	PCBD08 TF700 03MAY16	08	2016-05-03
PCB 700 PLCC2 Bottom Overlay	PCBD08 TF700 03MAY16	08	2016-05-03
PCB 700 PLCC2 Top Layer	PC8D08 TF700 03MAY16	08	2016-05-03
PCB 700 PLCC2 Top Overlay	PCBD08 TF700 03MAY16	08	2016-05-03
Schematic AT700 TF700 LS700	SCHD06 TF700 18AUG16	6	2016-08-18
700M Series SOM	700M Series SOM	D04	2016-10-14
PCB 700M PLCC4 Bottom Layer	PC8D08 EF700M 10MAY16	08	2016-05-10
PCB 700M PLCC4 Bottom Overlay	PC8D08 EF700M 10MAY16	08	2016-05-10
PCB 700M PLCC4 Top Layer	PCBD08 EF700M 10MAY16	08	2016-05-10
PCB 700M PLCC4 Top Overlay	PCBD08 EF700M 1OMAY16	08	2016-05-10
Schematic EF700M	SCHD02 EF700M 1OMAY16	2	2016-05-10
800 Series SOM	800 Series SOM	D09	2016-11-03
EF800 PCB PLCC4 Bottom Layer	PCBD06 800 03MAY16	06	2016-05-03
EF800 PCB PLCC4 Bottom Overlay	PCBD06 800 03MAY16	06	2016-05-03
EF800 PCB PLCC4 Top Layer	PCBD06 800 03MAY16	06	2016-05-03
EF800 PCB PLCC4 Top Overlay	PCBD06 800 03MAY16	06	2016-05-03
EF800 PCB PLCC2 Bottom Layer	PCBD07 800 04MAY16	07	2016-05-04
EF800 PCB PLCC2 Bottom Overlay	PCBD07 800 04MAY16	07	2016-05-04
EF800 PCB PLCC2 Top Layer	PCBD07 800 04MAY16	07	2016-05-04
EF800 PCB PLCC2 Top Overlay	PCBD07 800 04MAY16	07	2016-05-04
Schematic TF800	SCHD08 TF800 09SEP16	8	2016-09-09
Eflare Warning Label	EEFL001A-0	8	2017-02-09
Eflare Operating Instruction Manual	INS01-10MAR17	INS01	2017-03-10

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18. Details of Certificate changes Issue 1

- Update to the latest standard EN 60079-0:2012+A11:2013 and EN 60079-11:2012.
- Inclusion of additional models as detailed in the description.
- Change of Address.

Original certificate ITS10ATEX27129 issued 7 October 2010