



TP-300 Torch LED Module Retro-fit Statement

26th September 2011

The TR-30+ and TS-30+ are new LED torch models in the Wolf ATEX Torch range, using the TP-300 Torch LED Module light source. The TR-30+ and TS-30+ torches have been certified ATEX compliant in a variation to ATEX certificate BAS02ATEX2220X.

The purpose of this report is to confirm the suitability of Wolf Safety part number TP-300 Torch LED Module for use as a retro-fit replacement to the TP-404 and TP-402 bulb, plus associated bulbholders, in the T4 bulb versions of the Wolf ATEX Torch range. The following review of EN60079-19: 2011 Equipment repair, overhaul and reclamation, which include aspects of 'alteration and modification', confirms that the Torch LED Module TP-300 is acceptable as a direct replacement for the TP-404 and TP-402 bulb and TP-220/TP-229 bulbholder assembly.

A clause by clause review was carried out. The following sections have been highlighted as relevant to this product:

Clause 4.1 General principles

- Designed as an easy fit direct replacement, can be fitted by the user.
- Instructions are marked on the spares pack supplied with every TP-300.
- It is only possible to fit in one orientation.
- The part number is marked on the TP-300 module.

Clause 6.2.11, 6.4 Additional requirements for "i" (intrinsic safety).

- The battery types specified remain the same.
- The level of safety and approval of the system is maintained which remains the same with Zone 1, IIC gas group and T4 temperature class.

Clause 8. Additional requirements for "e" (increased safety).

- The 'e' enclosure is unaffected by the changes made, thermally the TP-300 Torch LED Module generates the same or less heat than the incandescent bulb light sources it replaces.
- The product instructions state remove bulb TP-402/TP-404 and bulbholder TP-220/TP-229, replace with TP-300 Torch LED Module.

Clause 11. Additional requirements for 't' (dust ignition protection by enclosure).

- The change is internal, with no change to the external temperature class.

Summary

Following a variation to ATEX certificate BAS02ATEX2220X, issued by Baseefa, Wolf Safety Lamp Company has reviewed the EN60079-19: 2011 standard on 'Equipment repair, overhaul and reclamation', and confirms that the TP-300 Torch LED Module is a suitable and safe 'retro-fit' replacement for the TP-402/TP-404 Bulb and TP-220/TP-229 Bulbholder Assembly in any T4 model of the Wolf ATEX Torch (TS-24, TS-24+, TR-24, TR-24+), even though the replacement is not directly referenced on the product approval label. The TP-300 can be retro-fitted by the user to a torch already in service.

NOTE: The TP-300 Torch LED Module may **only** be used in the models specified above, and must **not** be used in any other torch model, including the Wolf TS-26 and TR-26.

The TP-300 module cannot be used in torches manufactured between 06/03 and 02/04 (see date clock on torch bodies).

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