



CERTIFICATE

[1] **EU-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use
in potentially explosive atmospheres
Directive 2014/34/EU**

[3] EU-Type Examination Certificate number:

TÜV IT 16 ATEX 048 X

[4] Equipment or Protective System: Solidguard wellglass LED luminaires model BY950P

[5] Manufacturer: Philips Lighting Luminaires (Shanghai) Co., Ltd.

[6] Address: 2F, Building 6, No.1805, Huiyi Highway,
Malu Town, Jiading District, Shanghai, P.R. China

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] TÜV Italia, notified body no. 0948 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this 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

The examination and test results are recorded in confidential report no. R 16 EX 037

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012/A11:2013; EN 60079-1:2014; EN 60079-31:2014

[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 EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:



II 2G Ex db IIC T6 Gb -30°C ≤ Tamb ≤ +45°C
II 2D Ex tb IIIB T80°C Db -30°C ≤ Tamb ≤ +45°C

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Issue date: 22nd August 2016



SGQ N° 049A SSI N° 005G PRD N° 081B
SGAN° 018D ITX N° 001L ISP N° 057E
SCR N° 009F PRS N° 077C LAB N° 0076

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EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition
Agreements



TÜV Italia S.r.l.
Organismo notificato N° 0948

Paolo Marcone

**Industry Service - Real Estate & Infrastructure
Managing Director**

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo.
The internal reference code is 276658.





Italia

[13]

SCHEDULE

[14]

EU-TYPE EXAMINATION CERTIFICATE no. TÜV IT 16 ATEX 048 X

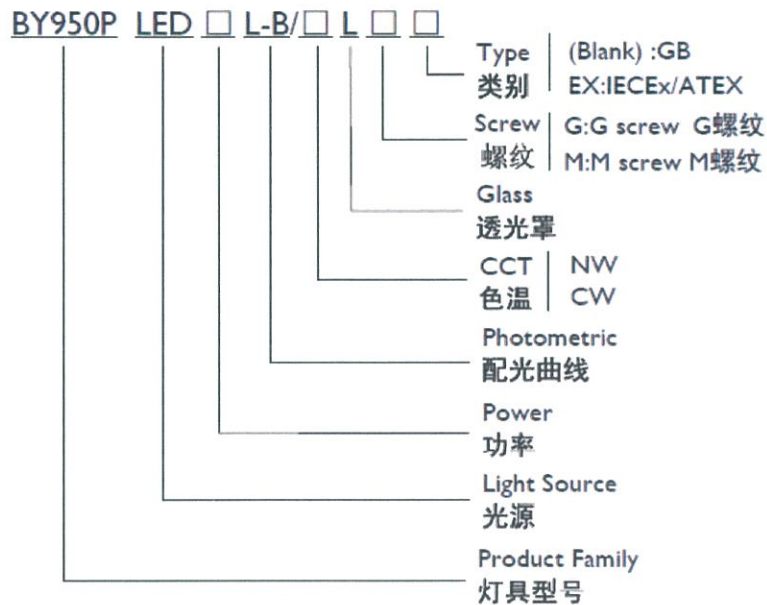
Certificate History

Revision	Description	Report Revision	Issue Date
-	First emission	-	22/08/2016

[15] **Description of equipment**

The BY950P explosion-proof LED luminaire includes a connector chamber, a driver chamber and a LED chamber, all of the three chambers are with type of protection “d” and “tb”. The enclosure of the LED light is composed of a heat sink cemented with a glass and outer ring, a housing body and a cover, the glass is pressed by the outer ring. The wires through the three chambers are encapsulated. The material of the enclosure is cast aluminum. An entry hole with two different types of cable gland is provided in the cover of the connector chamber: one is type M25X1.5 thread, suitable certified cable gland should be installed for it; another one is type G3/4” thread, this kind of cable gland is certified with the whole LED luminaire.

Description code 型号规格含义



Rated characteristics

Enclosure material	Aluminum alloy
Ambient temperature	-30 ... +45°C
Protection degree	IP66

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Rated voltage	220~240V 50/60Hz
Rated power	30W or 50W
Weight	5.6kg

Warning label

WARNING – AFTER DE-ENERGIZING, DELAY 5 MINS BEFORE OPENING

[16] **Report no.** R 16 EX 037

Routine tests

Manufacturer shall carry out a static overpressure test by batch on LED chamber at 0.8MPa for at least 10 seconds.

[17] **Special conditions for safe use**

The flame proof joints cannot be repaired.

The LED chamber cannot be opened.

For the G-thread entry: It can only be used with the cable gland provided together with the equipment. This cable gland may not be replaced by the user and is certified together with the equipment. At final installation, the user must ensure that pulling and twisting is not transmitted to the terminations (e.g. by the use of a clamping device).

The LED lighting may only be mounted in the suspended state (from vertically downward to downward 10°).

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Use fasteners with property class of A2-70 only.

The end user must comply with all specific installation and maintenance requirements specified in the user manual. Maintenance and repair shall comply with EN/IEC 60079-19.

The electrical installation must be installed according the requirements specified in EN/IEC 60079-14 or its national equivalent at the place of installation.

External grounding is always required to be connected to the equipment external earth bolt.

[18] **Essential Health and Safety Requirements**

Assured by compliance with the standards set out in the [9].

[19] **Drawings and Documents** (prot. 276658)

Title:	Description:	Pages:	Rev:	Date:
BY950P-A001	BY950P Solidguard Wellglass	1	A	01/03/2015
BY950P-A002	BY950P Solidguard Wellglass	1	A	01/03/2015
BY950P-C001	Press screw SUS304 BY950P	1	A	01/03/2015
BY950P-C002	Washer SUS304 BY950P	1	A	01/03/2015
BY950P-C003	Sealing ring BY950P	1	A	01/03/2015
BY950P-C004	Cover ZL102 PT BY950P	1	A	01/03/2015
BY950P-C005	Housing ZL102 PT BY950P	1	A	01/03/2015
BY950P-C006	Heat sink ZL102 PT BY950P	1	A	01/03/2015
BY950P-C007	Outer ring ZL102 PT BY950P	1	A	01/03/2015
BY950P-C009	Glass40 BY950P	1	A	01/03/2015
BY950P-C011	Connector BY950P	1	A	21/11/2014
BY950P-C012	Gasket Si-R BY950P	1	A	01/03/2015
BY950P-C013	Mark SUS304 BY950P	1	A	01/03/2015

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BY950P-C014	Mark02 SUS304 BY950P	1	A	01/03/2015
BY950P-C016	Bolt SUS304 BY950P	1	A	01/03/2015
BY950P-C017	End cap Si-R BY950P	1	A	01/03/2015
BY950P-C018	Rubber2 Si-R BY950P	1	A	01/03/2015
BY950P-C019	Plate SGCC PNH BY950P	1	A	01/03/2015
BY950P-C020	Fix for driver PA66 BY950P	1	A	01/03/2015
BY950P-C021	Insulation film 50w BY950P	1	A	01/03/2015
BY950P-C024	Bracket SPCC NPH GRY BY950Z	1	A	01/03/2015
BY950P-C026	Wireguard L SUS304 BY950P	1	A	01/03/2015
BY950P-C027	LED module 30W NW 3020	1	A	01/03/2015
BY950P-C028	LED module 50W NW 3020	1	A	01/03/2015
BY950P-C029	Thermal pad BY950P	1	A	01/03/2015
BY950P-C030	Sealing ring2 Si-R BY950P	1	A	20/05/2015
BY950P-C032	Cover M ZL102 PT BY950P	1	A	01/03/2015
BY950P-M003	User Manual (G3/4")	2	A	n.a.
BY950P-M004	User Manual (M25x1.5)	4	A	n.a.
n.a.	BOM	4	n.a.	n.a.

One copy of all documents is kept in TÜV Italia files.

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