



G I G



TYPE EXAMINATION CERTIFICATE

- [1] **TYPE EXAMINATION CERTIFICATE**
- [2] Equipment and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU
- [3] Type examination certificate (voluntary):
KDB 17ATEX0046X **issue 0**
- [4] Equipment:
Pacific LED type WT472C... light fittings
- [5] Manufacturer:
Philips Lighting Poland sp. z o.o.
Oddział w Kętrzynie
- [6] Address:
ul. Chrobrego 8, 11-400 Kętrzyn
Poland
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate.
- [8] Główny Instytut Górnictwa, Certification Body number 1453 in accordance with Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU. The examination and test results are recorded in confidential report **KDB Nr 17.060 [T-7363]**

- [9] Compliance with the Essential Health and Safety Requirements has been met by compliance with:
EN 60079-0:2012 + A11:2013; EN 60079-15:2010;
EN 60079-31:2014

- [10] In case if the sign „X“ is placed after the certificate number, it indicates special conditions for safe use, specified in the schedule to this certificate.
- [11] This type examination certificate relates only to the construction, evaluation and tests of product accordance with Directive 2014/34/EU. The certificate does not include other requirements of the Directive relating to manufacturing process and putting into the market of the equipment or protective device.

- [12] Marking of the equipment shall include:



II 3G Ex nA IIC T5 Gc
II 3D Ex tc IIIC T65°C Dc



KDBEX.eu

mgr inż. Piotr Madej
(Signature)
ATEX Certification
Specialist



KIEROWNIK
Zespołu Certyfikacji Wytobów
KD "BARBARA" Mikołów
(Signature)
dr hab. inż. Krzysztof Czubulski, prof. GIG

Date of issue: **12.06.2017 r.**

Date of English version: **12.06.2017 r.**

Page 1 of 3

Główny Instytut Górnictwa, 40-166 Katowice, Plac Gwarków 1, POLAND, www.gig.eu
(Certification Body-Certification Team-Kopalnia Doświadczalna "Barbara" Mikołów)
Certification Body accredited by PCA, Nr AC038

This certificate may be reproduced only in its entirety with schedule. The next issue of the certificate replaces the earlier editions.
Issue 0 is the initial certification. The document without signatures and seals is invalid.

[13]
[14]

SCHEDULE
Type Examination Certificate
KDB 17ATEX0046X issue 0



[15] Description:

Explosion proof light fittings type Pacific are category 3 equipment. Light fittings have a non-metallic body and lampshade. LED modules are used as a light source.

There are following types of explosion proof light fittings:

WT472C LED35S/840 PSU WB TW1 L1600

1 2 3 4 5 6 7 8

1. WT	Code of the family
2. 472C	Pacific LED for ATEX 2/22
3. LED35S/	LBA SlimP line flux(x100) [lumen] version: 23 to 80
4. 840	LED line color rendering coefficient = 8 / Color temperature (x100) [Kelvin] 30, 40, 50, 65
5. PSU	Power supply unit Type
	PSU - without dimming function
	PSD - with dimming function
6. WB	PSD-CLO -dimming function with Constant Light Output
	Collimator type realized with different optics type
	V -WB - very wide beam
	WB - wide beam
7. TW1	NB - narrow beam
	O - comfort light (opal lenses)
	Wire type connection
8. L1600	TC - over-looping, 3- or 5-poles contact block (TC, TC5)
	TW - 1-or 3-phase through-wiring (TW1/TW3)
	Luminaire length according to number of LED
	L700 - 2 LED PCBs
	L1300 - 4 LED PCBs
	L1600 - 4 LED PCBs 2ft + 2 LED PCBs 1ft



[13]
[14]

SCHEDULE
Type Examination Certificate
KDB 17ATEX0046X issue 0



Following components are used in Pacific light fittings:

- Cable gland type BMD BM-X2, IMQ 13ATEX010X, man. Bimed Lyra;
- Connector type RST20i5, SEV 07 ATEX0110X, man. Wieland;

Technical parameters:

rated voltage:	220V ~ 240V
rated frequency:	50Hz/60Hz
ambient temperature :	-20°C do +45°C
ingress protection IP:	IP66

[16] Test report:

„Sprawozdanie z oceny ATEX” KDB Nr 17.060

[17] Special conditions for safe use:

Ambient temperature range $-25^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$

Body and lampshade are made from non-metallic material - electrostatic discharge danger, cleaning remarks are included in manual

The device meets the requirements for low exposure to mechanical shock according to EN 60079-0

[18] Essential health and safety requirements:

Met by compliance with standards listed below:

EN 60079-0:2012 + A11:2013; EN 60079-15:2010;

EN 60079-31:2014

(PN-EN 60079-0:2013-03 + A11:2014-03; PN-EN 60079-15:2010;

PN-EN 60079-31:2014-10)

Document's history:

- Type Examination Certificate KDB 17ATEX0046X of 12.06.2017 r. initial certification (issue 0).

