



Test Report issued under the responsibility of:  
PL-3 Łukasiewicz - IMiF PREDOM Division

**TEST REPORT**  
**IEC 60598-2-3**  
**Luminaires**  
**Part 2: Particular requirements**  
**Section 3: Luminaires for road and street lighting**

**Report Number**..... : **Z7-3/108/B/20/M1**

**Date of issue**..... : Original Report Reference No. Z7-3/108/B/20 + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. 1 Z7-3/108/B/1/20): 17.11.2020  
Amendment No. 1 Report Reference Z7-3/108/B/20/M1 + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. Z7-3/108/B/1/20/M1) : 19.07.2021  
Amendment No. 2 Report Reference Z7-3/108/B/20/M2 + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. Z7-3/108/B/1/20/M2) : 13.03.2023

**Total number of pages** ..... : Original Report Reference No. Z7-3/108/B/20: 38 pages + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. 1 Z7-3/108/B/1/20- 1 page)  
Amendment No. 1 Report Reference Z7-3/107/B/20/M1: 40 pages + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. Z7-3/108/B/1/20/M1- 1 page)  
Amendment No. 2 Report Reference Z7-3/107/B/20/M2: 42 pages + Attachment No. 1 (EU Group Differences and National Differences Report Reference No. Z7-3/108/B/1/20/M2- 1 page)

**Name of Testing Laboratory preparing the Report**..... : Łukasiewicz - IMiF PREDOM Division  
02-255 Warszawa, ul. Krakowiaków 53, Poland

**Applicant's name** ..... : Signify Poland Sp. z o.o.  
**Address**..... : 64-920 Piła, ul. Kossaka 150, Poland

**Test specification:**

**Standard** ..... : IEC 60598-2-3:2002, AMD1:2011 used in conjunction with IEC 60598-1:2014, AMD1:2017

**Test procedure**..... : CB Scheme

**Non-standard test method** ..... : N/A

**Test Report Form No.** ..... : IEC60598\_2\_3L  
**Test Report Form(s) Originator** ..... : Intertek Semko AB  
**Master TRF** ..... : Dated 2018-03-09

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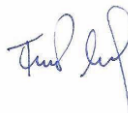
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<b>Test item description</b> ..... :	Luminaires for urban, road and street lighting	
<b>Trade Mark</b> ..... :	Philips	
<b>Manufacturer</b> .....	Signify Poland Sp. z o.o 64-920 Piła, ul. Kossaka 150 O/Kętrzyn 11-400 Kętrzyn, ul. Chrobrego 8, Poland	
<b>Model/Type reference</b> ..... :	TownGuide family, BDP001...II..., BDP002...II..., BDP100...II..., BDP101...II..., BDP102...II..., BDP103...II..., BDP104...II... and BDP105...II...- series	
<b>Ratings</b> ..... :	220 - 240V; 50/60Hz; IP 66; IK10, cl. II	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	IMiF PREDOM Division
<b>Testing location/ address</b> .....		02-255 Warszawa, ul. Krakowiaków 53, Poland
<b>Tested by (name, function, signature)</b> ..... :		K.Lisowski 
<b>Approved by (name, function, signature)</b> .. :		T. Małyska 
<b>Supervised by (name, function, signature)</b> :		F. Walczak 
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> ..... :		
<b>Approved by (name, function, signature)</b> .. :		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name + signature)</b> ..... :		
<b>Witnessed by (name, function, signature)</b> . :		
<b>Approved by (name, function, signature)</b> .. :		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> ..... :		
<b>Witnessed by (name, function, signature)</b> . :		
<b>Approved by (name, function, signature)</b> .. :		
<b>Supervised by (name, function, signature)</b> :		

**List of Attachments (including a total number of pages in each attachment):**

-Attachment No. 1 ( Report Reference No. Z7-3/108/B/1/20/M2 – 1 page)

**Summary of testing: Tests Result – Positive**

*According to ISO / IEC Guide 98-4 for the assessment of compliance of the measurement result with the requirements, criterion B was chosen. 50% risk of incorrect assessment decision belongs to the customer and 50% risk of incorrect assessment belongs to the laboratory.*

**Tests performed (name of test and test clause):**

IEC 60598-2-3:2002, AMD1:2011 used in conjunction with IEC 60598-1:2014, AMD1:2017  
- clauses: 3.2(0), 3.4(2), 3.5(3), 3.6(4), 3.8(7), 3.10(5), 3.11(8), 3.12(12) and 3.14(10).

**Testing location:**




Łukasiewicz - IMiF PREDOM Division  
02-255 Warszawa, ul. Krakowiaków 53, Poland

**Summary of compliance with National Differences:**

- Attachment No. 1 ( Report Reference No. Z7-3/108/B/1/20/M2 – 1 page)

**The product fulfils the requirements of EN 60598-2-3:2003 + A1:2011 used in conjunction with EN 60598-1:2015 + A1:2018**

**Copy of marking plate:**

	<b>TownGuide</b>	<b>999999999985</b>
		<b>P.O. 919999999</b>
		<b>Made in Poland</b>
<b>BDP102 LED35/740 II DS PCC GR SRG10 48P</b>		
<b>~220...240V 50/60Hz 22.5W PF:0.97</b>		
<b>Ta50°C IP66 IK10 440mA</b>		
		
<b>Signify, I.B.R.5.10461,5600 VB,NL</b>	<b>A164.919999999.0014 22W13</b>	

<b>Test item particulars</b> ..... : Luminaires for road and street lighting	
<b>Classification of installation and use</b> ..... : Normal	
<b>Supply Connection</b> ..... : Mains connector ..... :	
<b>Possible test case verdicts:</b> - test case does not apply to the test object ..... : N/A - test object does meet the requirement ..... : P (Pass) - test object does not meet the requirement ..... : F (Fail)	
<b>Testing</b> ..... :	
<b>Date of receipt of test item</b> ..... : 20.01.2023	
<b>Date (s) of performance of tests</b> ..... : 20.01.2023 – 13.03.2023	
<b>General remarks:</b>	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.  <b>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</b>  <b>Clause numbers between brackets refer to clauses in IEC 60598-1</b>	
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC 02:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided .....	<input type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>Not applicable</b>
<b>When differences exist; they shall be identified in the General product information section.</b>	
<b>Name and address of factory (ies)</b> ..... : Signify Poland Sp. z o.o. 64-920 Piła, ul. Kossaka 150 O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland	

**General product information:**

In the original Test Report Ref. No. Z7-3/108/B/20 dated 17.11.2020, luminaires for road and street lighting TownGuide family, BDP001...II..., BDP002...II..., BDP100...II..., BDP101...II..., BDP102...II..., BDP103...II..., BDP104...II... and BDP105...II...- series have been evaluated.

**Amendment No. 1 to Test Report Ref. No. Z7-3/108/B/20 dated 17.11.2020:**

**The original Test Report ref. No. Z7-3/108/B/20 dated 17.11.2020 was modified on 19.07.2021.**

Scope of modifications of this Test Report:

1. Rated temperature  $t_a$  changed to:

$t_a$	-40...+35°C – For luminaires not equipped with GPRS antenna, RF Antenna, Photocell and EasyAir Sensor -30...+35°C – For luminaires equipped with GPRS antenna, RF Antenna, EasyAir Sensor but without Photocell -20...+35°C – For luminaires equipped with Photocell.
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## 2. New components have been added:

LLC7450/00 RF NODE ZHAGA DC 868MHZ LG  
 LLC7451/00 RF NODE ZHAGA DC 868MHZ DG  
 LLC7852/00 CT NODE ZHAGA DC EU4VF LG  
 LLC7853/00 CT NODE ZHAGA DC EU4VF DG  
 NSS-10/230-C4-WD  
 Xi LP 110W 0.2-0.7A S1 230V C133 sXt  
 Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt  
 Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt  
 Xi FP 22W 0.3-1.0A SNLDAE 230V C123 sXt  
 Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt  
 Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt  
 Xi SR 22W 0.2-0.7A SNEMP 230V C133 SXT  
 Xi SR 75W 0.2-0.7A SNEMP 230V C150 SXT  
 Xi SR 75W 0.3-1.0A SNEMP 230V C150 SXT

## 3. Choice sheet have been modified.

old:

**2. LW10**

- LightWave (GPRS) option
- LW10: telemanagement option with 10 years contract
- LW5: telemanagement option with 5 years contract
- LWFP: telemanagement option without contract
- LW1: telemanagement option with 1 year contract
- LCCO: telemanagement option with signed service contract

new:

**2. LW10**

- LightWave (GPRS) option
- LW10: telemanagement option with 10 years contract
- LW5: telemanagement option with 5 years contract
- LW1: telemanagement option with 1 years contract
- LWCO: telemanagement option with contract
- LWFP: telemanagement option without contract

old:

**4. 730/740/827/830/840/850**

- LED engine version/color – Warm White 3000K, CRI >70 [730], Neutral White 4000K, CRI >70 [740], Gold White 2700K, CRI >80 [827], Warm White 3000K, CRI >80 [830], Neutral White 4000K, CRI >80 [840], Cold White 5000K, CRI >80 [850]

new:

**4. 730/740/827/830/840/850**

- LED engine version/color – Warm White WW 2700K, 3000K, CRI>80  
Neutral White NW 4000K, CRI>70, CRI>80  
Cold White CW 5000K, CRI>80

old:

**5. II**

- Safety Class II

new:

**5. II**

- Safety Class II - description not exist for class I

old:

- 8. SI/ALU/BK/GR/GR-10714** - Standard colour - Silver Ral 9006, Aluminium Ral 9007, Black Ral 9005, Grey Ral 7035, Philips Ult Dark Grey GR-10714
- 8. xxxx/xx-xxxx** - RAL Colour, Colour Choice AKZO

new:

- 8. SI/ALU/BK/GR/GR-10714/ xxxx/xx-xxxx** - Standard colour - Silver Ral 9006, Aluminium Ral 9007, Black Ral 9005, Grey Ral 7035, Philips Ult Dark Grey GR-10714, RAL Colour, Colour Choice AKZO

old:

- 10. SRG10** - Surge protective device: SRG10, SDM10

new:

- 10. SRG10** - STDE - add. resistors;for non conductive pole  
 SRG10 - Surge protection level 10kV (differential and common mode)  
 SDM10 - Surge protection level 10kV (differential mode, no SPD GND connected))  
 SRG10E - SRG10+ESD (add. resistors;for non conductive pole)  
 SDM10E - SDM10+ESD (non conductive pole, no SPD GND connected)

old:

- 11. CLO** - Constant lumen output
- 11. DDF1/DDF2/DDF3/DDF27** - DynaDimmer with fixed presets version
- 11. LS-6/LS-8/CM4** - DynaDimmer with fixed presets version / Lumistep 6/8 hours 50% Coded mains
- 11. CLO-DDF1/CLO-DDF2/CLO-DDF3/CLO-DDF27** - CLO + DynaDimmer with fixed presets version
- 11. CLO-LS-6/CLO-LS-8/CLO-CM4** - CLO + DynaDimmer with fixed presets version / Lumistep 6/8 Hours 50% +Coded mains
- 11. D4** - Dimming via SDU01H
- 11. D7** - Dimming via external communication 1-10Vdc
- 11. D9** - Dimming via external communication DALI
- 11. D11/12** - Dimming via line switch
- 11. D13** - Mains dimming (Ampdim)
- 11. RF** - Radio frequency regulation
- 11. D18** - DynaDimmer integrated in drive
- 11. D28** - Dimming via coded mains voltage

new:

- 11. DDF1** - DDF1/DDF2/DDF3/DDF27 DynaDimmer with fixed presets version  
 CLO Constant lumen output,  
 LS-6/LS-8/CM4 DynaDimmer with fixed presets version / Lumistep 6/8 hours 50% Coded mains  
 CLO-DDF1/CLO-DDF2/CLO-DDF3/CLO-DDF27 CLO + DynaDimmer with fixed presets version  
 CLO-LS-6/CLO-LS-8/CLO-CM4 CLO + DynaDimmer with fixed presets version / Lumistep 6/8 Hours 50% CLO + Coded mains,  
 D4 Dimming via SDU01H, D7 Dimming via external communication 1-1 D90Vd  
 0Vdc, D9 Dimming via external communication DALI,  
 D11/12 Dimming via line switch, D13 Mains dimming (Ampdim),  
 RF Radio frequency regulatio, D18 DynaDimmer integrated in drive, D28 DynaDimmer integrated in drive, BL2 Louver BL2 – Sharp baclight cut-off,

old:

- 13. **CTG-DGR, CTG-35-DGR, CTG-50-DGR, CTG-70-DGR** - Light Wave colour controls - Dark Gray, Photo Cell option–35,50,70lux
- 13. **CTG-LGR, CTG-35-LGR, CTG-50-LGR, CTG-70-LGR** - Light Wave colour controls - Light Gray, Photo Cell option–35,50,70lux
- 13. **P1-7** - Nema socket for photocell
- 13. **SRT** - Top sensor:  
SRT, CTGO-DGR, CTGO-35-DGR, CTGO-55-DGR, CTGO-70-DGR, CTGO-LGR, CTGO-35-LGR, CTGO-55-LGR, CTGO-70-LGR, CTGO-AC-DGR, CTGO-AC-LGR, PZO-20, P1-5, P1-7, P1, CTG-DGR, CTG-35-DGR, CTG-55-DGR, CTG-70-DGR, CTG-LGR, CTG-35-LGR, CTG-55-LGR, CTG-70-LGR, EZR, P1-5-CP, P1-7-CP, CTGN-LGR, CTGN-35-LGR, CTGN-55-LGR, CTGN-70-LGR, CTGN-AC-LGR, P1-CP, PSC, PSC-35, PSC-55, PSC-70

new:

- 13. **CTG-DGR** - **CTG-DGR, CTG-35-DGR, CTG-50-DGR, CTG-70-DGR** Light Wave colour controls - Dark Gray, PhotoCell option–35,50,70lux
- CTG-LGR, CTG-35-LGR, CTG-50-LGR, CTG-70-LGR** Light Wave colour controls - Light Gray, PhotoCell option–35,50,70lux, **P1/P1-7** Nema socket for photocell, **SRT** Top Sensor
- IACZ-4-xxx InterAct City Connect app- LightWave different programing options (programable)
- IACZ-RF-xxx InterAct City RF

old:

- 14. **C10K-3...C4K-3, C10K-5...C4K-5** - POWER CABLE H07 RN-F 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H07 RN-F 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H07 RN-F 3X2,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-F 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-F 3X2,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-F 3X2,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-FP 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-FP 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-FP 3X2,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 RR-F 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 RR-F 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H07 BQ-F 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H07 BQ-F 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-U 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-U 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE RTR 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE RTR 5X1,5MM<sup>2</sup> – 10M – 4M
- POWER CABLE FQQ 300/500V 3X1,5MM<sup>2</sup> – 10M - 4M

new:

- 14. **10** - **C10K-3...C4K-3, C10K-5...C4K-5**
- POWER CABLE H07 RN-F 3X1,5MM<sup>2</sup> – 10M - 4M,
- POWER CABLE H07 RN-F 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H07 RN-F 3X2,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-F 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-F 3X2,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-F 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-FP 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-FP 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-FP 3X2,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 RR-F 3X1,5MM<sup>2</sup> – 10M - 4M

- POWER CABLE H05 RR-F 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H07 BQ-F 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H07 BQ-F 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-U 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE H05 VV-U 5X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE RTR 3X1,5MM<sup>2</sup> – 10M - 4M
- POWER CABLE RTR 5X1,5MM<sup>2</sup> – 10M – 4M
- POWER CABLE FQQ 300/500V 3X1,5MM<sup>2</sup> – 10M - 4M

old:

- 15. - Cable finish - Standard ( no cable insulated )
- 15. Q Gray wire and black wire insulated
- 15. F Gray wire insulated

new:

- 15. Q Cable finish - Standard ( no cable insulated ),
- Q Gray wire and black wire insulated
- F Gray wire insulated

4. List of system configuration have been modified.

**Amendment No. 2 to Test Report Ref. No. Z7-3/108/B/20 dated 17.11.2020:  
The original Test Report ref. No. Z7-3/108/B/20 dated 17.11.2020 was modified on 13.03.2023.**

Scope of modifications of this Test Report:

1. Choice sheet have been modified:

old:

- 13. CTG-DGR - **CTG-DGR, CTG-35-DGR, CTG-50-DGR, CTG-70-DGR** Light Wave colour controls - Dark Gray, PhotoCell option–35,50,70lux  
**CTG-LGR, CTG-35-LGR, CTG-50-LGR, CTG-70-LGR** Light Wave colour controls - Light Gray, PhotoCell option–35,50,70lux, **P1/P1-7** Nema socket for photocell, **SRT** Top Sensor  
IACZ-4-xxx InterAct City Connect app- LightWave different programing options (programable)  
IACZ-RF-xxx InterAct City RF

new:

- 13. CTG-DGR - **CTG-DGR, CTG-35-DGR, CTG-50-DGR, CTG-70-DGR** Light Wave colour controls - Dark Gray, PhotoCell option–35,50,70lux  
**CTG-LGR, CTG-35-LGR, CTG-50-LGR, CTG-70-LGR** Light Wave colour controls - Light Gray, PhotoCell option–35,50,70lux, **P1/P1-CP/P1-5/P1-5-CP/P1-7-CP/P1-5-5/P1-5-5-CP/P1-7-5/P1-7-5-CP/P1-7-7/P1-7-7-CP** - Nema socket for photocell, **SRT** Top Sensor  
IACZ-4-xxx InterAct City Connect app- LightWave different programing options (programable)  
IACZ-RF-xxx InterAct City RF

2. New components have been added:

Electronic led driver:

- Xi LP 40W 0.2-0.7A S1 230V C123 sXt
- Xi LP 110W 0.2-0.7A S1 230V C133 sXt
- Xi BP 40W 0.2-0.7A S 230V C123 sXt
- Xi BP 110W 0.2-0.7A S 230V C133 sXt

PCB LED:

- PCBA MIDH1.1 16x14 16 MP22H1 730 0.4
- PCBA MIDH1.1 16x14 16 MP22H1 740 0.4
- PCBA MIDH1.1 16x14 16 MP22H1 827 0.4
- PCBA MIDH1.1 16x14 16 MP22H1 830 0.4
- PCBA MIDH1.1 16x14 16 MP22H1 840 0.4

Connector:

- Nema socket 7 PIN Class II 2213899-4
- Nema socket 7 PIN CON CS 5P F H 2213899-3

Surge Protective Device:

- SPD NSS-10/230-C4-PP



### 3. List of system configuration and component list have been modified.

After review of the luminaires documentation, the additional tests for cl. 3.2(0), 3.4(2), 3.5(3), 3.6(4), 3.8(7), 3.10(5), 3.11(8), 3.12(12), 3.14(10) and 3.15(13) according to IEC 60598-2-3:2002+AMD1:2011 used in conjunction with IEC 60598-1:2014 + AMD1:2017 were considered necessary.

Also the tests related to differences derive from EN 60598-2-3:2003 +A1:2011 used in conjunction with EN 60598-1:2015 + A1:2018 were considered necessary (see Attachment No.1 to this Test Report No. Z7-3/108/B/1/20/M2).

General product information:	
Name and address of the license holder:	Signify Poland sp. z o.o. O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Address of the factory:	Signify Poland sp. z o.o. O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn, Poland
Name of product:	Luminaires for urban, road and street lighting
Type (model):	TownGuide family, BDP001...II..., BDP002...II..., BDP100...II..., BDP101...II..., BDP102...II..., BDP103...II..., BDP104...II... and BDP105...II...- series
Trade mark :	PHILIPS
Technical data:	
rated voltage	220-240V
rated current	See below
rated frequency	50/60Hz
number of lamps	32 - 128 LEDs
type of lamp	LED
protection against electric shock	class II
degree of protection	IP 66; IK10
classification of the luminaires, with respect to the supporting material	normal
mains connections	connector
ta	-40...+35°C – For luminaires not equipped with GPRS antenna, RF Antenna, Photocell and EasyAir Sensor -30...+35°C – For luminaires equipped with GPRS antenna, RF Antenna, EasyAir Sensor but without Photocell -20...+35°C – For luminaires equipped with Photocell.

### List of the luminaires

#### Choice sheet of the luminaires TownGuide...II... - series:

##### Example:

BDP101 LW10 ECO70/840 II DS PCF 7045 MSP SRG10 DDF1 BL2 CTG-DGR 10 B 62P

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Designations used on the marking of luminaries:

- |   |  |
|---|--|
| 1. BDP001,BDP002,BDP100,BDP101,BDP102, BDP103,BDP104,BDP105 | - Code of the series   |
| 2. LW10   | - LightWave (GPRS) option<br>LW10: telemanagement option with 10 years contract<br>LW5: telemanagement option with 5 years contract<br>LW1: telemanagement option with 1 years contract<br>LWCO: telemanagement option with contract<br>LWFP: telemanagement option without contract |
| 3. ECO70/GRN70/LED20  | - LED engine flux(x100) [lumen]<br>range: from ECO20 to ECO120 and<br>range: from GRN12 to GRN70<br>range: from LED12 to LED120  |
| 4. 730/740/827/830/840/850                                  | - LED engine version/color –<br>Warm White WW 2700K, 3000K, CRI>80<br>Neutral White NW 4000K, CRI>70, CRI>80<br>Cold White CW 5000K, CRI>80  |
| 5. II   | - Safety Class II - description not exist for class I  |
| 6. DS/DN/DM/DW/DRW  | - Optic DS, DN, DM, DW, DRW – Road and symmetrical distribution  |
| 7. PCC/PCF/PCTR   | - Bowl PCC/PCF/PCTR-Clear bowl/Frosted bowl 10%/Frosted bowl 5%  |
| 8. SI/ALU/BK/GR/GR-10714/ xxxx/xx-xxxx                      | - Standard colour - Silver Ral 9006, Aluminium Ral 9007, Black Ral 9005, Grey Ral 7035, Philips Ult Dark Grey GR-10714, RAL Colour, Colour Choice AKZO   |
| 9. MSP  | - Marine salt protected coating  |
| 10. SRG10   | - STDE - add. resistors;for non conductive pole<br>SRG10 - Surge protection level 10kV (differential and common mode)  |

	SDM10 - Surge protection level 10kV (differential mode, no SPD GND connected)) SRG10E - SRG10+ESD (add. resistors;for non conductive pole) SDM10E - SDM10+ESD (non conductive pole, no SPD GND connected)
<b>11. DDF1</b>	- DDF1/DDF2/DDF3/DDF27 DynaDimmer with fixed presets version CLO Constant lumen output, LS-6/LS-8/CM4 DynaDimmer with fixed presets version / Lumistep 6/8 hours 50% Coded mains CLO-DDF1/CLO-DDF2/CLO-DDF3/CLO-DDF27 CLO + DynaDimmer with fixed presets version CLO-LS-6/CLO-LS-8/CLO-CM4 CLO + DynaDimmer with fixed presets version / Lumistep 6/8 Hours 50% CLO + Coded mains, D4 Dimming via SDU01H, D7 Dimming via external communication 1-1 D90Vd  0Vdc, D9 Dimming via external communication DALI, D11/12 Dimming via line switch, D13 Mains dimming (Ampdim), RF Radio frequency regulatio, D18 DynaDimmer integrated in drive, D28 DynaDimmer integrated in drive, BL2 Louver BL2 – Sharp baclight cut-off,
<b>12. BL2</b>	- Louver BL2 – Sharp baclight cut-off
<b>13. CTG-DGR</b>	- <b>CTG-DGR, CTG-35-DGR, CTG-50-DGR, CTG-70-DGR</b> Light Wave colour controls - Dark Gray, PhotoCell option–35,50,70lux <b>CTG-LGR, CTG-35-LGR, CTG-50-LGR, CTG-70-LGR</b> Light Wave colour controls - Light Gray, PhotoCell option–35,50,70lux, <b>P1/P1-CP/P1-5/P1-5-CP/P1-7-CP/P1-5-5/P1-5-5-CP/P1-7-5/P1-7-5-CP/P1-7-7/P1-7-7-CP</b> - Nema socket for photocell, <b>SRT</b> Top Sensor IACZ-4-xxx InterAct City Connect app- LightWave different programing options (programmable) IACZ-RF-xxx InterAct City RF
<b>14. 10</b>	- <b>C10K-3...C4K-3, C10K-5...C4K-5</b> - POWER CABLE H07 RN-F 3X1,5MM <sup>2</sup> – 10M - 4M, - POWER CABLE H07 RN-F 5X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H07 RN-F 3X2,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-F 3X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-F 3X2,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-F 3X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-FP 3X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-FP 5X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-FP 3X2,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 RR-F 3X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 RR-F 5X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H07 BQ-F 3X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H07 BQ-F 5X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-U 3X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE H05 VV-U 5X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE RTR 3X1,5MM <sup>2</sup> – 10M - 4M - POWER CABLE RTR 5X1,5MM <sup>2</sup> – 10M – 4M - POWER CABLE FQQ 300/500V 3X1,5MM <sup>2</sup> – 10M - 4M
<b>15. Q</b>	- Cable finish - Standard ( no cable insulated ), - Q Gray wire and black wire insulated - F Gray wire insulated
<b>16. 62P/76P/48P/90P</b>	- Type of spigot



BDP10xLED40 (4000lm)	PCBA MIDH1.1 16x14 16 MP18H2 730 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 827 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 830 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 840 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 740 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 730 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 827 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 830 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 840 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 740 0.4 - 4 pcs	Xi FP 100W 0.2-0.7A SNLDAE 230V C165 sXt Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt Xi LP 110W 0.2-0.7A S1 230V C133 sXt Xi BP 110W 0.2-0.7A S 230V C133 sXt	max.0,7 A
BDP10xLED50 (5000lm)	PCBA MIDH1.1 16x14 16 MP18H2 730 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 827 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 830 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 840 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP18H2 740 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 730 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 827 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 830 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 840 0.4 - 4 pcs PCBA MIDH1.1 16x14 16 MP22H1 740 0.4 - 4 pcs	Xi FP 100W 0.2-0.7A SNLDAE 230V C165 sXt Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt Xi LP 110W 0.2-0.7A S1 230V C133 sXt Xi BP 110W 0.2-0.7A S 230V C133 sXt	max.0,7 A
BDP10xLED60-LED70 (6000lm-7000lm)	PCBA MIDH1.1 16x14 16 MP18H2 730 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 827 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 830 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 840 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 740 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 730 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 827 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 830 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 840 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 740 0.4 - 6 pcs	Xi FP 100W 0.2-0.7A SNLDAE 230V C165 sXt Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt Xi LP 110W 0.2-0.7A S1 230V C133 sXt Xi BP 110W 0.2-0.7A S 230V C133 sXt	max.0,7 A
BDP10xLED80-LED90 (8000lm-9000lm)	PCBA MIDH1.1 16x14 16 MP18H2 730 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 827 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 830 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 840 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 740 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 730 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 827 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 830 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 840 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 740 0.4 - 6 pcs	Xi FP 100W 0.2-0.7A SNLDAE 230V C165 sXt Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt Xi LP 110W 0.2-0.7A S1 230V C133 sXt Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt Xi BP 110W 0.2-0.7A S 230V C133 sXt	max.0,7 A max.1 A
BDP10xLED100 (10000lm)	PCBA MIDH1.1 16x14 16 MP18H2 730 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 827 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 830 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 840 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP18H2 740 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 730 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 827 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 830 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 840 0.4 - 6 pcs PCBA MIDH1.1 16x14 16 MP22H1 740 0.4 - 6 pcs	Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt Xi BP 110W 0.2-0.7A S 230V C133 sXt	max.1 A
BDP10xLED110 -LED120 (10000lm-12000lm)	PCBA MIDH1.1 16x14 16 MP18H2 730 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP18H2 827 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP18H2 830 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP18H2 840 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP18H2 740 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP22H1 730 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP22H1 827 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP22H1 830 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP22H1 840 0.4 - 8 pcs PCBA MIDH1.1 16x14 16 MP22H1 740 0.4 - 8 pcs	Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt Xi BP 110W 0.2-0.7A S 230V C133 sXt	max.1 A

After review of technical documentation, model series, characteristic of particular models, differences between models, technical parameters, class of luminaires, IP code, light sources, components, etc., luminaire for urban, road and street lighting TownGuide BDP102 LED35/740 II DS PCC GR SRG10 48P has been tested as representative of all models of luminaires.

Tests were performed for worst power supply parameters of the product.

**IEC 60598-2-3**

Clause	Requirement + Test	Result - Remark	Verdict
<b>3.2 (0)</b>	<b>GENERAL TEST REQUIREMENTS</b>		P
3.2 (0.3)	More sections applicable .....	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Section/s:	—
3.2 (0.5)	Components	(see Annex 1)	—
<b>3.2 (0.7)</b>	<b>Information for luminaire design in light sources standards</b>		—
3.2 (0.7.2)	Light source safety standard .....	EN 62031	—
	Luminaire design in the light source safety standard		P

<b>3.4 (2)</b>	<b>CLASSIFICATION OF LUMINAIRES</b>		P
3.4 (2.2)	Type of protection .....	Class II	P
3.4 (2.3)	Degree of protection .....	IP66	—
3.4 (2.4)	Luminaire suitable for direct mounting on normally flammable surfaces .....	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
3.4 (2.5)	Luminaire for normal use .....	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
	Luminaire for rough service .....	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
3.4 (-)	Modes of installation of road or street lighting		—
	a) on a pipe	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	b) on a mast arm	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	c) on a post top	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	—
	d) on span or suspension wires	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	e) on a wall	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—

<b>3.5 (3)</b>	<b>MARKING</b>		P
3.5 (3.2)	Mandatory markings		P
	Position of the marking		P
	Format of symbols/text		P
3.5 (3.3)	Additional information		P
	Language of instructions		P
3.5 (3.3.1)	Combination luminaires		N/A
3.5 (3.3.2)	Nominal frequency in Hz	50/60Hz	P
3.5 (3.3.3)	Operating temperature		P
3.5 (3.3.5)	Wiring diagram		P
3.5 (3.3.6)	Special conditions		N/A
3.5 (3.3.7)	Metal halide lamp luminaire – warning		N/A
3.5 (3.3.8)	Limitation for semi-luminaires		N/A
3.5 (3.3.9)	Power factor and supply current		P
3.5 (3.3.10)	Suitability for use indoors		N/A
3.5 (3.3.11)	Luminaires with remote control		N/A

<b>IEC 60598-2-3</b>			
Clause	Requirement + Test	Result - Remark	Verdict
3.5 (3.3.12)	Clip-mounted luminaire – warning		N/A
3.5 (3.3.13)	Specifications of protective shields		N/A
3.5 (3.3.14)	Symbol for nature of supply		P
3.5 (3.3.15)	Rated current of socket outlet		N/A
3.5 (3.3.16)	Rough service luminaire		N/A
3.5 (3.3.17)	Mounting instruction for type Y, type Z and some type X attachments		N/A
3.5 (3.3.18)	Non-ordinary luminaires with PVC cable		N/A
3.5 (3.3.19)	Protective conductor current in instruction if applicable		N/A
3.5 (3.3.20)	Provided with information if not intended to be mounted within arm's reach		N/A
3.5 (3.3.21)	Non-replaceable and non-user replaceable light sources information provided		P
3.5 (3.3.22)	Controllable luminaires, classification of insulation provided		P
3.5 (3.3.23)	Luminaire without controlgear provided with necessary information for selection of appropriate component		N/A
3.5 (3.3.24)	If not supplied with terminal block, information on the packaging		N/A
3.5 (3.4)	Test with water		P
	Test with hexane		P
	Legible after test		P
	Label attached		P
3.5 (-)	Additional information in instruction leaflet		P
	a) Design attitude		P
	b) Weight		P
	c) Overall dimensions		P
	d) Maximum projected area if applicable		N/A
	e) Cross-sectional area of wires if applicable		P
	f) Suitability for indoors use		N/A
	g) Dimensions of the compartment		N/A
	h) Torque setting to be applied to bolts or screws		P
	i) Maximum mounting height		P

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
<b>3.6 (4)</b>	<b>CONSTRUCTION</b>		<b>P</b>
3.6 (4.2)	Components replaceable without difficulty		P
3.6 (4.3)	Wireways smooth and free from sharp edges		P
<b>3.6 (4.4)</b>	<b>Lampholders</b>		<b>N/A</b>
3.6 (4.4.1)	Integral lampholder		N/A
3.6 (4.4.2)	Wiring connection		N/A
3.6 (4.4.3)	Lampholder for end-to-end mounting		N/A
3.6 (4.4.4)	Positioning		N/A
	- pressure test (N) .....	N/A	—
	After test the lampholder comply with relevant standard sheets and show no damage		N/A
	After test on single-capped lampholder the lampholder have not moved from its position and show no permanent deformation		N/A
	- bending test (N) .....	N/A	—
	After test the lampholder have not moved from its position and show no permanent deformation		N/A
3.6 (4.4.5)	Peak pulse voltage		N/A
3.6 (4.4.6)	Centre contact		N/A
3.6 (4.4.7)	Parts in rough service luminaires resistant to tracking		N/A
3.6 (4.4.8)	Lamp connectors		N/A
3.6 (4.4.9)	Caps and bases correctly used		N/A
3.6 (4.4.10)	Light source for lampholder or connection according IEC 60061 not connected another way		N/A
<b>3.6 (4.5)</b>	<b>Starter holders</b>		<b>N/A</b>
	Starter holder in luminaires other than class II		N/A
	Starter holder class II construction		N/A
<b>3.6 (4.6)</b>	<b>Terminal blocks</b>		<b>N/A</b>
	Tails		N/A
	Unsecured blocks		N/A
<b>3.6 (4.7)</b>	<b>Terminals and supply connections</b>		<b>P</b>
3.6 (4.7.1)	Contact to metal parts		P
3.6 (4.7.2)	Test 8 mm live conductor		P
	Test 8 mm earth conductor		N/A
3.6 (4.7.3)	Terminals for supply conductors		P
3.6 (4.7.3.1)	Welded method and material		N/A
	- stranded or solid conductor		N/A
	- spot welding		N/A
	- welding between wires		N/A



<b>IEC 60598-2-3</b>			
Clause	Requirement + Test	Result - Remark	Verdict
	- Type Z attachment		N/A
	- mechanical test according to 15.6.2		N/A
	- electrical test according to 15.6.3		N/A
	- heat test according to 15.6.3.2.3 and 15.6.3.2.4		N/A
3.6 (4.7.4)	Terminals other than supply connection		P
3.6 (4.7.5)	Heat-resistant wiring/sleeves		N/A
3.6 (4.7.6)	Multi-pole plug		P
	- test at 30 N		P
<b>3.6 (4.8)</b>	<b>Switches</b>		<b>N/A</b>
	- adequate rating		N/A
	- adequate fixing		N/A
	- polarized supply		N/A
	- compliance with IEC 61058-1 for electronic switches		N/A
<b>3.6 (4.9)</b>	<b>Insulating lining and sleeves</b>		<b>P</b>
3.6 (4.9.1)	Retainment		N/A
	Method of fixing..... :		N/A
3.6 (4.9.2)	Insulated linings and sleeves:		P
	Resistant to a temperature > 20 °C to the wire temperature or		P
	a) & c) Insulation resistance and electric strength		N/A
	b) Ageing test. Temperature (°C)..... :		N/A
<b>3.6 (4.10)</b>	<b>Double or reinforced insulation</b>		<b>P</b>
3.6 (4.10.1)	No contact, mounting surface – accessible metal parts – wiring of basic insulation		P
	Safe installation fixed luminaires		P
	Capacitors and switches		N/A
	Interference suppression capacitors according to IEC 60384-14		N/A
3.6 (4.10.2)	Assembly gaps:		N/A
	- not coincidental		N/A
	- no straight access with test probe		N/A
3.6 (4.10.3)	Retainment of insulation:		P
	- fixed		P
	- unable to be replaced; luminaire inoperative		N/A
	- sleeves retained in position		P
	- lining in lampholder		N/A

## IEC 60598-2-3

Clause	Requirement + Test	Result - Remark	Verdict
3.6 (4.10.4)	Protective impedance device		P
	Double or reinforced insulation bridged by appropriate and at least two resistors or two Y2 capacitors or one Y1 capacitor		P
	Y1 or Y2 capacitors comply with IEC 60384-14		N/A
	Resistors comply with test (a) in 14.1 of IEC 60065		P
<b>3.6 (4.11)</b>	<b>Electrical connections and current-carrying parts</b>		<b>P</b>
3.6 (4.11.1)	Contact pressure		P
3.6 (4.11.2)	Screws:		P
	- self-tapping screws		N/A
	- thread-cutting screws		P
3.6 (4.11.3)	Screw locking:		N/A
	- spring washer		N/A
	- rivets		N/A
3.6 (4.11.4)	Material of current-carrying parts		P
3.6 (4.11.5)	No contact to wood or mounting surface		N/A
3.6 (4.11.6)	Electro-mechanical contact systems		N/A
<b>3.6 (4.12)</b>	<b>Screws and connections (mechanical) and glands</b>		<b>P</b>
3.6 (4.12.1)	Screws not made of soft metal		P
	Screws of insulating material		N/A
	Torque test: torque (Nm); part ..... : driver, LED module, cover (plastic) – 1,2Nm		P
	Torque test: torque (Nm); part ..... :		N/A
	Torque test: torque (Nm); part ..... :		N/A
3.6 (4.12.2)	Screws with diameter < 3 mm screwed into metal		P
3.6 (4.12.4)	Locked connections:		N/A
	- fixed arms; torque (Nm) ..... :		N/A
	- lampholder; torque (Nm)..... :		N/A
	- push-button switches; torque 0,8 Nm ..... :		N/A
3.6 (4.12.5)	Screwed glands; force (Nm) ..... :		N/A
<b>3.6 (4.13)</b>	<b>Mechanical strength</b>		<b>P</b>
3.6 (4.13.1)	Impact tests:		
	- fragile parts; energy (Nm) ..... : 0,5Nm		P
	- other parts; energy (Nm)..... : 0,70Nm		P
	1) live parts		P
	2) linings		N/A
	3) protection		P
	4) covers		P

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
3.6 (4.13.2)	Metal parts have adequate mechanical strength		N/A
3.6 (4.13.3)	Straight test finger		P
3.6 (4.13.4)	Rough service luminaires		N/A
	- IP54 or higher		N/A
	a) fixed		N/A
	b) hand-held		N/A
	c) delivered with a stand		N/A
	d) for temporary installations and suitable for mounting on a stand		N/A
3.6 (4.13.6)	Tumbling barrel		N/A
<b>3.6 (4.14)</b>	<b>Suspensions, fixings and means of adjusting</b>		<b>P</b>
3.6 (4.14.1)	Mechanical load:		P
	A) four times the weight		P
	B) torque 2,5 Nm		P
	C) bracket arm; bending moment (Nm) ..... :		N/A
	D) load track-mounted luminaires		N/A
	E) clip-mounted luminaires, glass-shelve. Thickness (mm) ..... :		N/A
	Metal rod. diameter (mm) ..... :		N/A
	Fixed luminaire or independent control gear without fixing devices		N/A
3.6 (4.14.2)	Load to flexible cables		N/A
	Mass (kg) ..... : N/A		—
	Stress in conductors (N/mm <sup>2</sup> ) ..... :		N/A
	Mass (kg) of semi-luminaire ..... :		N/A
	Bending moment (Nm) of semi-luminaire ..... :		N/A
3.6 (4.14.3)	Adjusting devices:		N/A
	- flexing test; number of cycles ..... :		N/A
	- strands broken ..... :		N/A
	- electric strength test afterwards		N/A
3.6 (4.14.4)	Telescopic tubes: cords not fixed to tube; no strain on conductors		N/A
3.6 (4.14.5)	Guide pulleys		N/A
3.6 (4.14.6)	Strain on socket-outlets		N/A
<b>3.6 (4.15)</b>	<b>Flammable materials</b>		<b>P</b>
	- glow-wire test 650°C ..... : See Test Table 3.15 (13.3.2)		N/A
	- spacing ≥30 mm		N/A
	- screen withstanding test of 13.3.1		N/A
	- screen dimensions		N/A
	- no fiercely burning material		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- thermal protection		N/A
	- electronic circuits exempted		N/A
3.6 (4.15.2)	Luminaires made of thermoplastic material with lamp control gear		N/A
	a) construction		N/A
	b) temperature sensing control		N/A
	c) surface temperature		N/A
<b>3.6 (4.16)</b>	<b>Luminaires for mounting on normally flammable surfaces</b>		<b>P</b>
	No lamp control gear..... :	(compliance with Section 12)	N/A
	Provided with adaptor for a track meet the requirements for direct mounting on normally flammable surfaces		P
3.6 (4.16.1)	Lamp control gear spacing:		P
	- spacing 35 mm		N/A
	- spacing 10 mm		P
3.6 (4.16.2)	Thermal protection:		P
	- in lamp control gear		P
	- external		N/A
	- fixed position		N/A
	- temperature marked lamp control gear		P
3.6 (4.16.3)	Design to satisfy the test of 12.6	(see clause 12.6)	N/A
<b>3.6 (4.17)</b>	<b>Drain holes</b>		<b>N/A</b>
	Clearance at least 5 mm		N/A
<b>3.6 (4.18)</b>	<b>Resistance to corrosion</b>		<b>P</b>
3.6 (4.18.1)	- rust-resistance		N/A
3.6 (4.18.2)	- season cracking in copper		P
3.6 (4.18.3)	- corrosion of aluminium		N/A
3.6 (4.19)	Igniters compatible with ballast		N/A
3.6 (4.20)	Rough service vibration		N/A
<b>3.6 (4.21)</b>	<b>Protective shield</b>		<b>N/A</b>
3.6 (4.21.1)	Shield fitted if tungsten halogen lamps or metal halide lamps		N/A
	Shield of glass if tungsten halogen lamps		N/A
3.6 (4.21.2)	Particles from a shattering lamp not impair safety		N/A
3.6 (4.21.3)	No direct path		N/A
3.6 (4.21.4)	Impact test on shield		N/A
	Glow-wire test on lamp compartment ..... :	See Test Table 3.15 (13.3.2)	N/A
3.6 (4.22)	Attachments to lamps not cause overheating or damage		N/A
3.6 (4.23)	Semi-luminaires comply Class II		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
<b>3.6 (4.24)</b>	<b>Photobiological hazards</b>		<b>P</b>
3.6 (4.24.1)	No excessive UV radiation if tungsten halogen lamps and metal halide lamps (Annex P)		N/A
3.6 (4.24.2)	Retinal blue light hazard		P
	Class of risk group assessed according to IEC/TR 62778 .....	Risk Group 0 – RG0	—
	Luminaires with $E_{thr}$ :		N/A
	a) Fixed luminaires		N/A
	- distance x m, borderline between RG1 and RG2.. :		N/A
	- marking and instruction according 3.2.23		N/A
	b) Portable and handheld luminaires		N/A
	- marking according 3.2.23 if RG1 exceeded at 200 mm according to IEC/TR 62778		N/A
	Portable luminaires for children IEC 60598-2-10 and Mains socket outlet nightlights IEC 60598-2-12 not exceed RG1 at 200 mm according to IEC/62778		N/A
<b>3.6 (4.25)</b>	<b>Mechanical hazard</b>		<b>P</b>
	No sharp point or edges		P
<b>3.6 (4.26)</b>	<b>Short-circuit protection</b>		<b>N/A</b>
3.6 (4.26.1)	Adequate means of uninsulated accessible SELV parts		N/A
3.6 (4.26.2)	Short-circuit test with test chain according 4.26.3		N/A
	Test chain not melt through		N/A
	Test sample not exceed values of Table 12.1 and 12.2		N/A
<b>3.6 (4.27)</b>	<b>Terminal blocks with integrated screwless earthing contacts</b>		<b>N/A</b>
	Test according Annex V		N/A
	Pull test of terminal fixing (20 N)		N/A
	After test, resistance < 0,05 $\Omega$		N/A
	Pull test of mechanical connection (50 N)		N/A
	After test, resistance < 0,05 $\Omega$		N/A
	Voltage drop test, resistance < 0,05 $\Omega$		N/A
<b>3.6 (4.28)</b>	<b>Fixing of thermal sensing control</b>		<b>N/A</b>
	Not plug-in or easily replaceable type		N/A
	Reliably kept in position		N/A
	No adhesive fixing if UV radiations from a lamp can degrade the fixing		N/A
	Not outside the luminaire enclosure		N/A
	Test of adhesive fixing:		N/A
	Max. temperature on adhesive material ( $^{\circ}\text{C}$ ) .....	N/A	—
	100 cycles between t min and t max		N/A
	Temperature sensing control still in position		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
<b>3.6 (4.29)</b>	<b>Luminaires with non-replaceable light source</b>		<b>N/A</b>
	Not possible to replace light source		N/A
	Live part not accessible after parts have been opened by hand or tools		N/A
<b>3.6 (4.30)</b>	<b>Luminaires with non-user replaceable light source</b>		<b>P</b>
	If protective cover provide protection against electric shock and marked with "caution, electric shock risk" symbol:		P
	Minimum two fixing means		P
<b>3.6 (4.31)</b>	<b>Insulation between circuits</b>		<b>P</b>
	Circuits insulated from LV supply fulfil requirements according 4.31.1 – 4.31.3		P
	Controllable luminaires requiring same level of insulation for all components, the insulation between control terminals and LV supply fulfil requirements according 4.31.1 – 4.31.3		P
<b>3.6 (4.31.1)</b>	<b>SELV circuits</b>		<b>N/A</b>
	Used SELV source		N/A
	Voltage ≤ ELV		N/A
	Insulating of SELV circuits from LV supply		N/A
	Insulating of SELV circuits from other non SELV circuits		N/A
	Insulating of SELV circuits from FELV		N/A
	Insulating of SELV circuits from other SELV circuits		N/A
	SELV circuits insulated from accessible parts according Table X.1		N/A
	Plugs not able to enter socket-outlets of other voltage systems		N/A
	Socket outlets does not admit plugs of other voltage systems		N/A
	Plugs and socket-outlets does not have protective conductor contact		N/A
<b>3.6 (4.31.2)</b>	<b>FELV circuits</b>		<b>N/A</b>
	Used FELV source		N/A
	Voltage ≤ ELV		N/A
	Insulating of FELV circuits from LV supply		N/A
	FELV circuits insulated from accessible parts according Table X.1		N/A
	Plugs not able to enter socket-outlets of other voltage systems		N/A
	Socket outlets does not admit plugs of other voltage systems		N/A
	Socket-outlets does not have protective conductor contact		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.6 (4.31.3)	Other circuits		P
	Other circuits insulated from accessible parts according Table X.1		P
	Class II construction with equipotential bonding for protection against indirect contacts with live parts:		P
	- conductive parts are connected together		P
	- test according 7.2.3		P
	- conductive part not cause an electric shock in case of an insulation fault		P
	- equipotential bonding in master/slave applications		N/A
	- master luminaire provided with terminal for accessible conductive parts of slave luminaires		N/A
	- slave luminaire constructed as class I		N/A
<b>3.6 (4.32)</b>	<b>Overvoltage protective devices</b>		<b>P</b>
	Comply with IEC 61643-11		P
	External to controlgear and connected to earth:		N/A
	- only in fixed luminaires		N/A
	- only connected to protective earth		N/A
3.6.1 (-)	At least IP X3 or X5 respectively. IP .....	IP66	P
	Column-integrated luminaires:		N/A
	- parts below 2,5 m. IP .....		N/A
	- parts above 2,5 m. IP .....		N/A
3.6.2 (-)	Suspension on span wires		N/A
3.6.3 (-)	Means for attaching the luminaire or external parts to its support appropriate to the weight		P
3.6.3.1 (-)	Static load test		P
	- drag coefficient .....	1,2	P
	- loaded area (m <sup>2</sup> ) .....	0,088m <sup>2</sup>	P
	- used load (N) .....	131	P
	- measured deformation (cm/m) .....	0	P
	- no rotation		P
3.6.4 (-)	Adjustable lampholders		N/A
3.6.5 (-)	Luminaires installed above 5 m, glass covers shall be:		N/A
	a) glass that fractures into small pieces (test according to 3.6.5.1), or		N/A
	b) glass having a high impact shock resistance (test according to 3.6.5.2), or		N/A
	c) protected by any means to retain glass fragments		N/A
	For tunnel luminaires 3.6.5.1 apply		N/A
	Method of protection declared by the manufacturer		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.6.5.1 (-)	Protection by the use of glass that fractures into small pieces		N/A
	- number of particles is more than 40 .....		N/A
3.6.5.2 (-)	Protection by the use of high impact resistant glass		N/A
3.6.5.2.1 (-)	Glass covers have high mechanical strength		N/A
	Test according IEC 62262 with test apparatus according IEC 60068-2-75 with impact energy of 5J on preconditioned sample		N/A
3.6.5.2.2 (-)	Glass covers not break into large pieces		N/A
	- test according 3.6.5.1, number of particles is more than 20 .....		N/A
3.6.6 (-)	Connection compartment of column-integrated luminaire		N/A
	- provides adequate space		N/A
	- means for attachment		N/A
	- means for attachment of metal corrosion-resistant		N/A
3.6.7 (-)	Compliance with ISO standard or other .....		N/A
3.6.8 (-)	Doors of column-integrated luminaires:		
	- corrosion-resistant		N/A
	- opening only possible for an authorized person		N/A
	- impact test 5 Nm		N/A
	- sample show no damage		N/A
3.6.9 (-)	Column-integrated luminaire:		
	- dimension of the cable entry slot (mm).....		N/A
	- cable path from the slot to the connection compartment (mm) .....		N/A
	- cable path free from obstruction that might cause abrasion of the cable		N/A

<b>3.8 (7)</b>	<b>PROVISION FOR EARTHING</b>		N/A
3.8 (7.2.1 + 7.2.3)	Accessible metal parts		N/A
	Metal parts in contact with supporting surface		N/A
	Resistance < 0,5 $\Omega$ .....		N/A
	Self-tapping screws used		N/A
	Thread-forming screws		N/A
	Thread-forming screw used in a groove		N/A
	Earth makes contact first		N/A
	Terminal blocks with integrated screwless earthing contacts tested according Annex V		N/A
	Protective earthing of the luminaire not via built-in control gear		N/A
3.8 (7.2.2 + 7.2.3)	Earth continuity in joints, etc.		N/A
3.8 (7.2.4)	Locking of clamping means		N/A



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Clause	Requirement + Test	Result - Remark	Verdict
	Compliance with 4.7.3		N/A
	Terminal blocks with integrated screwless earthing contacts tested according Annex V		N/A
3.8 (7.2.5)	Earth terminal integral part of connector socket		N/A
3.8 (7.2.6)	Earth terminal adjacent to mains terminals		N/A
3.8 (7.2.7)	Electrolytic corrosion of the earth terminal		N/A
3.8 (7.2.8)	Material of earth terminal		N/A
	Contact surface bare metal		N/A
3.8 (7.2.10)	Class II luminaire for looping-in		N/A
	Double or reinforced insulation to functional earth		N/A
3.8 (7.2.11)	Earthing core coloured green-yellow		N/A
	Length of earth conductor		N/A
3.8.1 (-)	Attachment prevented from rotation		N/A

<b>3.10 (5)</b>	<b>EXTERNAL AND INTERNAL WIRING</b>		<b>P</b>
<b>3.10 (5.2)</b>	<b>Supply connection and external wiring</b>		<b>P</b>
3.10 (5.2.1)	Means of connection .....	Mains connector	P
	Outdoor luminaire has not PVC insulated external wiring if not class III or SELV $\leq 25$ V a.c./60 V d.c. or protected from outdoor environment		N/A
3.10 (5.2.2)	Type of cable.....	See Annex 1	P
	Nominal cross-sectional area (mm <sup>2</sup> ) .....	2,5 mm <sup>2</sup>	P
	Cables equal to IEC 60227 or IEC 60245		N/A
3.10 (5.2.3)	Type of attachment, X, Y or Z		N/A
3.10 (5.2.5)	Type Z not connected to screws		N/A
3.10 (5.2.6)	Cable entries:		P
	- suitable for introduction		P
	- adequate degree of protection		P
3.10 (5.2.7)	Cable entries through rigid material have rounded edges		P
3.10 (5.2.8)	Insulating bushings:		N/A
	- suitably fixed		N/A
	- material in bushings		N/A
	- material not likely to deteriorate		N/A
	- tubes or guards made of insulating material		N/A
3.10 (5.2.9)	Locking of screwed bushings		P
3.10 (5.2.10)	Cord anchorage:		N/A
	- covering protected from abrasion		N/A
	- clear how to be effective		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- no mechanical or thermal stress		N/A
	- no tying of cables into knots etc.		N/A
	- insulating material or lining		N/A
3.10 (5.2.10.1)	Cord anchorage for type X attachment:		N/A
	a) at least one part fixed		N/A
	b) types of cable		N/A
	c) no damaging of the cable		N/A
	d) whole cable can be mounted		N/A
	e) no touching of clamping screws		N/A
	f) metal screw not directly on cable		N/A
	g) replacement without special tool		N/A
	Glands not used as anchorage		N/A
	Labyrinth type anchorages		N/A
3.10 (5.2.10.2)	Adequate cord anchorage for type Y and type Z attachment		N/A
3.10 (5.2.10.3)	Tests:		N/A
	- impossible to push cable; unsafe		N/A
	- pull test: 25 times; pull (N) .....		N/A
	- torque test: torque (Nm).....		N/A
	- displacement $\leq 2$ mm		N/A
	- no movement of conductors		N/A
	- no damage of cable or cord		N/A
	- function independent of electrical connection		N/A
3.10 (5.2.11)	External wiring passing into luminaire		N/A
3.10 (5.2.12)	Looping-in terminals		N/A
3.10 (5.2.13)	Wire ends not tinned		N/A
	Wire ends tinned: no cold flow		N/A
3.10 (5.2.14)	Mains plug same protection		N/A
	Class III luminaire plug		N/A
	No unsafe compatibility		N/A
3.10 (5.2.16)	Appliance inlets (IEC 60320)		N/A
	Installation couplers (IEC 61535)		N/A
	Other appliance inlet or connector according relevant IEC standard		N/A
3.10 (5.2.17)	No standardized interconnecting cables properly assembled		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.10 (5.2.18)	Used plug in accordance with		N/A
	- IEC 60083		N/A
	- other standard		N/A
<b>3.10 (5.3)</b>	<b>Internal wiring</b>		<b>P</b>
3.10 (5.3.1)	Internal wiring of suitable size and type		P
	Through wiring		N/A
	- not delivered/ mounting instruction		N/A
	- factory assembled		N/A
	- socket outlet loaded (A) .....		N/A
	- temperatures.....	(see Annex 2)	N/A
	Green-yellow for earth only		N/A
3.10 (5.3.1.1)	Internal wiring connected directly to fixed wiring		P
	Cross-sectional area (mm <sup>2</sup> ) .....	0,75	P
	Insulation thickness (mm) .....	min. 0.5	P
	Extra insulation added where necessary		N/A
3.10 (5.3.1.2)	Internal wiring connected to fixed wiring via internal current-limiting device		N/A
	Cross-sectional area (mm <sup>2</sup> ) .....		N/A
3.10 (5.3.1.3)	Double or reinforced insulation for class II		P
3.10 (5.3.1.4)	Conductors without insulation		N/A
3.10 (5.3.1.5)	SELV current-carrying parts		N/A
3.10 (5.3.1.6)	Insulation thickness other than PVC or rubber		P
3.10 (5.3.2)	Sharp edges etc.		P
	No moving parts of switches etc.		N/A
	Joints, raising/lowering devices		N/A
	Telescopic tubes etc.		N/A
	No twisting over 360°		P
3.10 (5.3.3)	Insulating bushings:		N/A
	- suitable fixed		N/A
	- material in bushings		N/A
	- material not likely to deteriorate		N/A
	- cables with protective sheath		N/A
3.10 (5.3.4)	Joints and junctions effectively insulated		N/A
3.10 (5.3.5)	Strain on internal wiring		N/A
3.10 (5.3.6)	Wire carriers		N/A
3.10 (5.3.7)	Wire ends not tinned		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Wire ends tinned: no cold flow		N/A
<b>3.10 (5.4)</b>	<b>Test to determine suitability of conductors having a reduced cross-sectional area</b>		N/A
	Under test the temperature of the luminaire wiring insulation not exceed the limits stated in Table 12.2	(see Annex 2)	N/A
	No damage to luminaire wiring after test		N/A
3.10.1 (-)	Cord anchorage if applicable		N/A
	- pull test: 25 times; pull (N) .....		N/A
	- torque test: torque (Nm).....		N/A

<b>3.11 (8)</b>	<b>PROTECTION AGAINST ELECTRIC SHOCK</b>		P
3.11 (8.2.1)	Live parts not accessible		P
	Basic insulated parts not used on the outer surface without appropriate protection		N/A
	Basic insulated parts not accessible with standard test finger on portable, settable and adjustable luminaires		N/A
	Basic insulated parts not accessible with Ø 50 mm probe from outside, other types of luminaires		P
	Lamp and starterholders in portable and adjustable luminaires comply with double or reinforced insulation requirements		N/A
	Basic insulation only accessible under lamp or starter replacement		N/A
	Protection in any position		P
	Double-ended tungsten filament lamp		N/A
	Insulation lacquer not reliable		N/A
	Double-ended high-pressure discharge lamp		N/A
	Relevant warning according to 3.2.18 fitted to the luminaire		N/A
3.11 (8.2.2)	Portable luminaire adjusted in most unfavourable position		N/A
3.11 (8.2.3.a)	Class II luminaire:		P
	- basic insulated metal parts not accessible during starter or lamp replacement		P
	- basic insulation not accessible other than during starter or lamp replacement		N/A
	- glass protective shields not used as supplementary insulation		N/A
3.11 (8.2.3.b)	BC lampholder of metal in class I luminaires shall be earthed		N/A
3.11 (8.2.3.c)	SELV circuits with exposed current carrying parts:		N/A
	Ordinary luminaire:		N/A
	- voltage under load (V) .....		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- no-load voltage (V) .....		N/A
	- touch current if applicable (mA) .....		N/A
	One conductive part insulated if required		N/A
	Other than ordinary luminaire:		N/A
	- nominal voltage (V) .....		N/A
	Class III luminaire only for connection to SELV		N/A
	Class III luminaire not provided with means for protective earthing		N/A
3.11 (8.2.4)	Portable luminaire has protection independent of supporting surface		N/A
3.11 (8.2.5)	Compliance with the standard test finger or relevant probe		P
3.11 (8.2.6)	Covers reliably secured		P
3.11 (8.2.7)	Luminaire other than below with capacitor > 0,5 $\mu$ F not exceed 50 V 1 min after disconnection		N/A
	Portable luminaire with capacitor > 0,1 $\mu$ F (0.25) not exceed 34 V 1 s after disconnection		N/A
	Other luminaires with capacitor > 0,1 $\mu$ F (0.25) with plug and track adaptors not exceed 60 V 5 s after disconnection		N/A

<b>3.12 (12)</b>	<b>ENDURANCE TEST AND THERMAL TEST</b>		P
3.12.2 (-)	If IP > IP 20 relevant test of (12.4), (12.5) and (12.6) after (9.2) before (9.3) specified in 3.13		—
<b>3.12 (12.2)</b>	<b>Selection of lamps and ballasts</b>		—
	Lamp used according Annex B	(Lamp used see Annex 2)	—
	Controlgear if separate and not supplied	(Controlgear used see Annex 2)	—
<b>3.12 (12.3)</b>	<b>Endurance test</b>		<b>P</b>
	a) mounting-position .....	Normal	—
	b) test temperature ( $^{\circ}$ C) .....	60	—
	c) total duration (h) .....	240	—
	d) supply voltage (V) .....	264	—
	d) if not equipped with controlgear, constant voltage/current (V) or (A) .....	N/A	—
	e) luminaire ceases to operate		—
3.12 (12.3.2)	After endurance test:		P
	- no part unserviceable		P
	- luminaire not unsafe		P
	- no damage to track system		N/A
	- marking legible		P
	- no cracks, deformation etc.		P
<b>3.12 (12.4)</b>	<b>Thermal test (normal operation)</b>	(see Annex 2)	P
<b>3.12 (12.5)</b>	<b>Thermal test (abnormal operation)</b>	(see Annex 2)	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
<b>3.12 (12.6)</b>	<b>Thermal test (failed lamp control gear condition):</b>		<b>N/A</b>
3.12 (12.6.1)	Through wiring or looping-in wiring loaded by a current of (A) .....	N/A	—
	- case of abnormal conditions .....	N/A	—
	- electronic lamp control gear		N/A
	- measured winding temperature (°C): at 1,1 Un ....	N/A	—
	- measured mounting surface temperature (°C) at 1,1 Un .....		N/A
	- calculated mounting surface temperature (°C) .....		N/A
	- track-mounted luminaires		N/A
3.12 (12.6.2)	Temperature sensing control		N/A
	- case of abnormal conditions .....	N/A	—
	- thermal link		N/A
	- manual reset cut-out		N/A
	- auto reset cut-out		N/A
	- measured mounting surface temperature (°C) .....		N/A
	- track-mounted luminaires		N/A
<b>3.12 (12.7)</b>	<b>Thermal test (failed lamp control gear in plastic luminaires):</b>		<b>N/A</b>
3.12 (12.7.1)	Luminaire without temperature sensing control		N/A
3.12 (12.7.1.1)	Luminaire with fluorescent lamp ≤ 70W		N/A
	Test method 12.7.1.1 or Annex W .....	N/A	—
	Test according to 12.7.1.1:		N/A
	- case of abnormal conditions .....	N/A	—
	- Ballast failure at supply voltage (V) .....	N/A	—
	- Components retained in place after the test		N/A
	- Test with standard test finger after the test		N/A
	Test according to Annex W:		N/A
	- case of abnormal conditions .....	N/A	—
	- measured winding temperature (°C): at 1,1 Un.....	N/A	—
	- measured temperature of fixing point/exposed part (°C): at 1,1 Un .....	N/A	—
	- calculated temperature of fixing point/exposed part (°C).....	N/A	—
	Ball-pressure test .....	See Test Table 3.15 (13.2.1)	N/A
3.12 (12.7.1.2)	Luminaire with discharge lamp, fluorescent lamp > 70W, transformer > 10 VA		N/A
	- case of abnormal conditions .....	N/A	—
	- measured winding temperature (°C): at 1,1 Un.....	N/A	—
	- measured temperature of fixing point/exposed part (°C): at 1,1 Un .....	N/A	—

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Clause	Requirement + Test	Result - Remark	Verdict
	- calculated temperature of fixing point/exposed part (°C)..... :	N/A	—
	Ball-pressure test..... :	See Test Table 3.15 (13.2.1)	N/A
3.12 (12.7.1.3)	Luminaire with short circuit proof transformers ≤ 10 VA		N/A
	- case of abnormal conditions..... :	N/A	—
	- Components retained in place after the test		N/A
	- Test with standard test finger after the test		N/A
3.12 (12.7.2)	Luminaire with temperature sensing control		N/A
	- thermal link..... :	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	- manual reset cut-out..... :	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	- auto reset cut-out..... :	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	—
	- case of abnormal conditions..... :	N/A	—
	- highest measured temperature of fixing point/exposed part (°C):..... :	N/A	—
	Ball-pressure test:..... :	See Test Table 3.15 (13.2.1)	N/A
3.12.1 (-)	Temperature reduction if for outdoor use only		P
3.12.2 (-)	(See above)		—
3.12.3 (-)	Glass covers used within the thermal limits declared by the glass manufacturer		N/A

<b>3.14 (10)</b>	<b>INSULATION RESISTANCE AND ELECTRIC STRENGTH</b>		P
3.14 (10.2.1)	Insulation resistance test		P
	Cable or cord covered by metal foil or replaced by a metal rod of mm Ø..... :	Metal foil	—
	Insulation resistance (MΩ)..... :	>10MΩ	—
	SELV		N/A
	- between current-carrying parts of different polarity :		N/A
	- between current-carrying parts and mounting surface..... :		N/A
	- between current-carrying parts and metal parts of the luminaire..... :		N/A
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts..... :		N/A
	- Insulation bushings as described in Section 5..... :		N/A
	Other than SELV		P
	- between live parts of different polarity..... :	>10MΩ	P
	- between live parts and mounting surface..... :	>10MΩ	P
	- between live parts and metal parts..... :	>10MΩ	P
	- between live parts of different polarity through action of a switch..... :		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts .....	>10MΩ	P
	- Insulation bushings as described in Section 5 .....		N/A
3.14 (10.2.2)	Electric strength test		P
	Dummy lamp		N/A
	Luminaires with ignitors after 24 h test		N/A
	Luminaires with manual ignitors		N/A
	Test voltage (V) .....	See below	P
	SELV		N/A
	- between current-carrying parts of different polarity :		N/A
	- between current-carrying parts and mounting surface .....		N/A
	- between current-carrying parts and metal parts of the luminaire.....		N/A
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts .....		N/A
	- Insulation bushings as described in Section 5 .....		N/A
	Other than SELV		P
	- between live parts of different polarity .....	1480V	P
	- between live parts and mounting surface .....	2960V	P
	- between live parts and metal parts .....	2960V	P
	- between live parts of different polarity through action of a switch .....		N/A
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts .....	1480V	P
	- Insulation bushings as described in Section 5 .....		N/A
3.14 (10.3)	Touch current or protective conductor current (mA):	0,3mA	P



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Clause	Requirement + Test			Result - Remark	Verdict	
<b>ANNEX 1</b>	<b>TABLE: Critical components information</b>					<b>P</b>
Object / part No.	Co de	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
GPRS antenna	A	PHILIPS	LLC7270 CityTouch OLC COM SR DG	15-24V, DC, Ta: -40...+60°C	EN61347	ENEC
GPRS antenna	A	PHILIPS	LLC7271 CityTouch OLC COM SR LG	15-24V, DC, Ta: -40...+60°C	EN61347	ENEC
GPRS antenna	A	PHILIPS	LLC7280 CityTouch Nema SR	15-24V, DC, switching 100 480VAC; Ta: -40...+70°C	EN61347	ENEC
GPRS antenna	A	PHILIPS	LLC7251 CityTouch LG	15-24V, DC -30°C...+60°C	EN61347	ENEC
GPRS antenna	A	PHILIPS	LLC7250 CityTouch DG	15-24V, DC -30°C...+60°C	EN61347	ENEC
Antenna	A	PHILIPS	LLC7305/00 STARSENSE WIRELESS LS	220-240V, 50-60Hz, Ta=-30...+65°C, Tc80°C	EN61347-2-11	ENEC
Antenna	A	PHILIPS	LLC7303/00 STARSENSE WIRELESS 1-10V/DALI LS	220-240V, 50-60Hz, Ta=-30...+65°C, Tc=80°C	EN 61347-2-11	ENEC
RF Antenna	A	Philips	LLC7450/00 RF NODE ZHAGA DC 868MHZ LG	220-240V, 50-60Hz, Ta: -40...+70°C	EN61347-2-11	ENEC05
RF Antenna	A	Philips	LLC7451/00 RF NODE ZHAGA DC 868MHZ DG	220-240V, 50-60Hz, Ta: -40...+70°C	EN61347-2-11	ENEC05
GPRS antenna	A	Philips	LLC7852/00 CT NODE ZHAGA DC EU4VF LG	15-24V, DC, Ta: -40...+60°C	EN61347	ENEC05
GPRS antenna	A	Philips	LLC7853/00 CT NODE ZHAGA DC EU4VF DG	15-24V, DC, Ta: -40...+60°C	EN61347	ENEC05
Connector	B	Tyco electronics	Nema socket 7 PIN Class II 2213899-4	Max15A, max 480V	EN 61984:2009	UL
Connector	B	Tyco electronics	Nema socket 7 PIN CON CS 5P F H 2213899-3	Max15A, max 480V	EN 61984:2009	UL
Photocell	B	Zodion	Precision Halo F6365-001	16V DC, IP66, Ta -20°C/+80°C	EN 61347-2-11 EN 61347-1	Tested and accepted by ITE PREDOM DIVISION report no. Z7-2/020/B/20
Photocell	B	Zodion	SS12C 70lux	-20°C...+75°C, 198-264V	EN 61347-2-11	EUROFINS
Photocell	B	Zodion	SS12C 55lux	-20°C...+75°C, 198-264V	EN 61347-2-11	EUROFINS
Photocell	B	Zodion	SS12C 35lux	-20°C...+75°C, 198-264V	EN 61347-2-11	EUROFINS
Photocell	B	Philips	EASYAIR SNO110	21.6...26.4 VDC, ta -30...+50°C	EN 61347-2-11	CB
Photocell	B	Legrand	MOT SR FDP-301SR-L2-TG	12-20 VDC, 16 mA	EN 60730-1	UL
Photocell	B	Legrand	MOT SR FDP-301SR-L7-TG	12-20 VDC, 16 mA	EN 60730-1	UL
PCB LED	B	Philips	PCBA TGA 16 NICH W830 2 200 H	400mA, 53V	EN62031	LCIE
PCB LED	B	Philips	PCBA TGA 16 NICH W840 2 200 H	400mA, 53V	EN62031	LCIE
PCB LED	B	Philips	PCBA TGA 16 NICH W757 2 200 H	400mA, 53V	EN62031	LCIE
PCB LED	B	Philips	PCBA TGA 16 NICH W827 2 200 H	400mA, 53V	EN62031	LCIE
PCB LED	B	Philips	PCBA TGA 16 NICH W740 2 200 H	400mA, 53V	EN62031	LCIE
PCB LED	B	Philips	PCBA MIDH1.1 24x24 MP18H2 830 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 24x24 MP18H2 740 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 24x24 MP18H2 730 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 24x24 MP18H2 827 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 24x24 MP18H2 840 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 16x14 16 MP22H1 730 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 16x14 16 MP22H1 740 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 16x14 16 MP22H1 827 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 16x14 16 MP22H1 830 0.4	0,4A Tc=85°C	EN62031	UL
PCB LED	B	Philips	PCBA MIDH1.1 16x14 16 MP22H1 840 0.4	0,4A Tc=85°C	EN62031	UL
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xi FP 40W 0.2-0.7A SNLCDAE 230V S175 sXt	220 - 240V 50...60 Hz 0.2-0.7A Tc=85 °C	EN 61347-1 EN 61347-2-13	ENEC

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Clause	Requirement + Test			Result - Remark	Verdict	
<b>ANNEX 1</b>	<b>TABLE: Critical components information</b>				<b>P</b>	
Object / part No.	Co de	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 150W 0.2 – 0.35A Prog+GL-H sXt	120 - 277V, 0.35A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xi FP 110W 0.3-1.0A NLD 230V C150 sXt	220-240V 50...60 Hz 0.3-1A Tc=90 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 100W 0.7A Prog+GL-Z sXt	120 - 277V, 0.7A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xi FP 100W 0.2-0.7A SNLDAE 230V C165 sXt	220-240V 50...60 Hz 0.2-0.7A Tc=85 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 40W 0.7A Prog+GL-J sXt	120 - 277V, 0.7A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xi FP 40W 0.2-0.7A SNLDA S175 230V sXt	220-240V 50...60 Hz 0.2-0.7A Tc=85 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS N.A. Advance	Xitanium 75W 0.7A AOCM 1-10V GL-Y sXt	120 - 277V, 0.7A, Tc=80 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi SR 40W 0,2-0,7A SNEMP 230V C150 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 100W 0,2-0,7A SNEMP 230V C150 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi SR 1100W 0,2-0,7A SNEMP 230V C150 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi SR 110W 0,2-0,7A SNEMP 230V C150 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi LP 40W 0.2-0.7A S1 230V C123 sXt	220-240VAC; 0,2-0,7A; 50/60Hz Tc=85 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi LP 110W 0.2-0.7A S1 230V C133 sXt	220-240VAC; 0,2-0,7A; 50/60Hz Tc=90 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi BP 40W 0.2-0.7A S 230V C123 sXt	220-240VAC; 0,2-0,7A; 50/60Hz Tc=85 °C	EN 61347-1 EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi BP 110W 0.2-0.7A S 230V C133 sXt	220-240VAC; 0,2-0,7A; 50/60Hz Tc=85 °C	EN 61347-1 EN 61347-2-13	ENEC
Terminal block	A	Tridonic	SLK5 OF	0,5-2,5mm <sup>2</sup> , 450V, continuous working temp.85°C,	EN60988-1 EN60988-2-2	ENEC
Terminal block	A	Tridonic	SLK5 SKII	0,5-2,5mm <sup>2</sup> , 300V, 24A, continuous working temp.85°C,	EN60988-1 EN60988-2-2	ENEC
Terminal block	A	BJB	46.411.1211	0,5-2,5mm <sup>2</sup> , 16A/450V	EN61984	ENEC
Terminal block	B	BJB	460.411.7000.50	0,5-mm <sup>2</sup> , 16A/450V	EN60988-1 EN60988-2-2	EAC CQC
Surge Protective Device	B	CPT CIRPROTEC	NSS-10/230-D-LCF-P	Imax 10kA In 5kA Un 230V (50/60Hz) Uoc 10kV Uc(L1-L2/PE) 420V Uc(L1-L2) 320V Temperature range: -40°C to 80°C	EN 61643-11	CB
Surge Protective Device	B	CPT CIRPROTEC	NSB-10/230-C3-DD	Imax 10kA In 5kA Un 230V (50/60Hz) Uoc 10kV Uc(L1-L2/PE) 420V Uc(L1-L2) 320V Temperature range: -40°C to 80°C	EN 61643-11	CB

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Clause	Requirement + Test			Result - Remark	Verdict	
ANNEX 1	TABLE: Critical components information					P
Object / part No.	Co de	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Surge Protective Device	B	CPT CIRPROTEC	SPD NSS-10/230-C2-WD	I <sub>max</sub> 10kA I <sub>n</sub> 5kA U <sub>n</sub> 230V (50/60Hz) U <sub>oc</sub> 10kV U <sub>c</sub> (L1-L2/PE) 420V U <sub>c</sub> (L1-L2) 320V Temp.range: -40°C to 80°C	EN 61643-11	CB
Surge Protective Device	B	CPT CIRPROTEC	NSS-10/230-C4-WD	I <sub>max</sub> 10kA I <sub>n</sub> 5kA U <sub>n</sub> 230V (50/60Hz) U <sub>oc</sub> 10kV U <sub>c</sub> (L1-L2/PE) 420V U <sub>c</sub> (L1-L2) 320V Temp. range: -40°C to 80°C	EN 61643-11	CB
Surge Protective Device	A	CIRPROTEC	SPD NSS-10/230-C4-PP	I <sub>max</sub> 10kA U <sub>oc</sub> 10kV I <sub>n</sub> 5kA	EN:61643-11	ENEC05
Dimming	A	PHILIPS	SDU01H	220 - 240V, 50/60 Hz, T <sub>c</sub> =85 °C	EN 61347-2-11 EN 61347-2-3	ENEC
Cable for mains	B	PECSO CAVI SRL	H05VV-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-11	VDE
Cable for mains	B	PECSO CAVI SRL	H05VV-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 300/500V	EN 50525-2-11	VDE
Cable for mains	B	PECSO CAVI SRL	H05RR-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-21, IEC 60245-4	VDE
Cable for mains	B	nkt	H05VV-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-11	EZU
Cable for mains	B	nkt	H05VV-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 300/500V	EN 50525-2-11	EZU
Cable for mains	B	nkt	H05VV-U 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	DIN VDE 0250-204	VDE
Cable for mains	B	XBK	H05VV-U 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	DIN VDE 0250-204	VDE
Cable for mains	A	Nexans	H07RN-F 5G1/3G1	1mm <sup>2</sup> , 450/750V	EN 50525-2-21	HAR
Cable for mains	A	Nexans	H07RN-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 450/750V	EN 50525-2-21	HAR
Cable for mains	A	Nexans	H07RN-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 450/750V	EN 50525-2-21	HAR
Cable for mains	A	La Triventa Cavi SPA	H07RN-F 5G1/3G1	1mm <sup>2</sup> , 450/750V	IEC 60245-4 EN 50525-2-21	HAR
Cable for mains	A	La Triventa Cavi SPA	H07RN-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 450/750V	IEC 60245-4	HAR
Cable for mains	A	La Triventa Cavi SPA	H07RN-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 450/750V	IEC 60245-4	HAR
Cable for mains	B	HELUKABEL	H07RN-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 450/750V	IEC 60245-3	VDE
Cable for mains	A	General Cavi SPA	H07BQ-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 450/750V	EN 50525-2-21	HAR
Cable for mains	B	Elpar	H07RN-F 5G1/3G1	1mm <sup>2</sup> , 450/750V	EN 60228	VDE
Cable for mains	B	Elpar	H07RN-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 450/750V	EN 60228	VDE
Cable for mains	B	Elpar	H07RN-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 450/750V	EN 60228	VDE
Cable for mains	B	Elpar	H05VV-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-11	VDE
Cable for mains	B	Elpar	H05VV-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 300/500V	EN 50525-2-11 IEC 60227-5	VDE
Cable for mains	B	Elpar	H07RN-F 3G2,5	2,5mm <sup>2</sup> , 450/750V	EN 60228	VDE
Cable for mains	A	ElettroBrescia	H07RN-F 5G1/3G1	1mm <sup>2</sup> , 450/750V	EN 50525-2-21	HAR
Cable for mains	A	ElettroBrescia	H07RN-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 450/750V	EN 50525-2-21	HAR
Cable for mains	A	ElettroBrescia	H07RN-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 450/750V	EN 50525-2-21	HAR
Cable for mains	A	ElettroBrescia	H05VV-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-11	HAR
Cable for mains	B	ElettroBrescia	H05VV-F 5G2,5/3G2,5	2,5mm <sup>2</sup> , 300/500V	EN 50525-2-11	VDE
Cable for mains	B	ElettroBrescia	H05RR-F 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-21	VDE
Cable for mains	B	CMK Cabo	H05VV-FP 5G1,5/3G1,5	1,5mm <sup>2</sup> , 300/500V	BS6004	BASEC
Cable for mains	B	CMK Cabo	H05VV-FP 3G2,5	2,5mm <sup>2</sup> , 300/500V	BS6004	BASEC
Cable for mains	B	Draka	XVB-F2-Cca 3G1,5/4G1,5	1,5mm <sup>2</sup> , 0,6/1 kV Cca-s3,d2,a3	HD 604 EN 50575 EN 13501-6	DEKRA
Mains connector	B	Colosio	Connector M123NM/4 male LNE1	Up to 4mm <sup>2</sup> , 32A/400V, T=125°C	EN 61984	IMQ
Mains connector	B	Colosio	Connector M123NM/5 male LNE12	Up to 4mm <sup>2</sup> , 32A/400V, T=125°C	EN 61984	IMQ
Mains connector	B	Colosio	Connector M123NF/3-P female LNE	Up to 4mm <sup>2</sup> , 32A/400V, T=125°C	EN 61984	IMQ
Mains connector	B	Colosio	Connector M123NF/4 female LNE1	Up to 4mm <sup>2</sup> , 32A/400V, T=125°C	EN 61984	IMQ
Mains connector	B	Colosio	Connector M123NF/5 female LNE12	Up to 4mm <sup>2</sup> , 32A/400V, T=125°C	EN 61984	IMQ
Connector	A	Tyco electronics	2213858-1 SR connector	1,5A, 30V (typical 24V)	IEC 60598	ENEC
Terminal block	B	BJB	46.411.7000.50	0,5-1mm <sup>2</sup> 16A/450V	EN60998-1 EN60998-2-2	EAC CQC

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Clause	Requirement + Test		Result - Remark	Verdict		
<b>ANNEX 1</b>	<b>TABLE: Critical components information</b>			<b>P</b>		
Object / part No.	Co de	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Wire	B	NKT Cables	H05 V2-U 1x0,75mm <sup>2</sup> Black	0,75mm <sup>2</sup> , 300/500V	EN 60598-2-3	VDE
Wire	B	NKT Cables	H05 V2-U 1x0,75mm <sup>2</sup> White	0,75mm <sup>2</sup> , 300/500V	EN 60598-2-3	VDE
Wire	B	NKT Cables	H05 V2-U 1x0,75mm <sup>2</sup> Green-yellow	0,75mm <sup>2</sup> , 300/500V	EN 60598-2-3	VDE
Wire	A	Omerin	H05 SS-K 1x1,5mm <sup>2</sup> White	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-41	HAR
Wire	A	Omerin	H05 SS-K 1x1,5mm <sup>2</sup> Black	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-41	HAR
Wire	A	Omerin	H05 SS-K 1x1,5mm <sup>2</sup> Y/G	1,5mm <sup>2</sup> , 300/500V	EN 50525-2-41	HAR
Wire	B	Omerin	R6Y6YS	0,75mm <sup>2</sup> , 300/500V	DIN57250-106	VDE
Bleeder Resistor	B	Plati	VRW68	10MΩ, 10kV, insulation 700V, 165°C	IEC 60065	VDE
Terminal block	B	BJB	46.411.7000.50	0,5-1mm <sup>2</sup> , 16A/450V	EN 60998-1, EN 60998-2-2	EAC CQC
Wire	B	OMERIN	R6Y6YS	0,75mm <sup>2</sup> , 300/500V	DIN57250-106	VDE
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 110W 0.2-0.7A SNLDAE 230V C133	220-240VAC; 0,2-0,7A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi SR 40W 0.2-0.7A SNEMP 230V C133 sXt	220-240VAC; 0,2-0,7A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt	220-240VAC; 0,2-0,7A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 40W 0.2-0.7A SNLDAE S175 230V	220-240VAC; 0,2-0,7A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi LP 110W 0.2-0.7A S1 230V C133 sXt	220-240VAC; 0,2-0,7A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 22W 0.3-1.0A SNLDAE 230V C123 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	XI SR 22W 0.2-0.7A SNEMP 230V C133 SXT	220-240VAC; 0,2-0,7A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	XI SR 75W 0.2-0.7A SNEMP 230V C150 SXT	220-240VAC; 0,2-0,7A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05
Electronic led driver	A	PHILIPS LIGHTING ELECTRONICS	XI SR 75W 0.3-1.0A SNEMP 230V C150 SXT	220-240VAC; 0,3-1,0A; 50/60Hz	EN 61347-1, EN 61347-2-13	ENEC05

Supplementary information:  
<sup>1)</sup> Provided evidence ensures the agreed level of compliance. See OD-CB2039.  
The codes above have the following meaning:  
A - The component is replaceable with another one, also certified, with equivalent characteristics  
B - The component is replaceable if authorised by the test house  
C - Integrated component tested together with the appliance  
D - Alternative component

## IEC 60598-2-3

Clause	Requirement + Test	Result - Remark	Verdict				
<b>ANNEX 2</b>	<b>TABLE: Thermal tests of Section 12</b>		<b>P</b>				
	Type reference .....	BDP102 LED35/740 II DS PCC GR SRG10 48P	—				
	Lamp used .....	PCBA MIDH1.1 24x24 MP18H2 740 0.4 x4	—				
	Lamp control gear used .....	Xi LP 40W 0.2-0.7A S1 230V C133 sXt	—				
	Mounting position of luminaire .....	on a post top	—				
	Supply wattage (W).....	22,7W	—				
	Supply current (A) .....	0,1A	—				
	Temperatures in test 1 - 4 below are corrected for ta (°C) .....	50°C	—				
	- abnormal operating mode .....	N/A	—				
1.12 (12.4)	- test 1: rated voltage .....	N/A	—				
	- test 2: 1,06 times rated voltage or 1,05 times rated wattage or 1,1 times constant voltage/current .....	254,4V; 50Hz	—				
	- test 3: Load on wiring to socket-outlet, 1,06 times voltage or 1,05 times wattage .....	N/A	—				
	Through wiring or looping-in wiring loaded by a current of A during the test .....	N/A	—				
1.12 (12.5)	- test 4: 1,1 times rated voltage or 1,05 times rated wattage or 1,1 times constant voltage/current .....	N/A	—				
<b>Temperature measurements, (°C)</b>							
Part	Ambient	Cl. 12.4 – normal				Cl. 12.5 – abnormal	
		test 1	test 2	test 3	limit	test 4	limit
Driver <small>Xi LP 40W 0.2-0.7A S1 230V C133 sXt</small>	50,0	N/A	76,2	N/A	85	N/A	N/A
LED module <small>PCBA MIDH1.1 24x24 MP18H2 740 0.4</small>	50,0	N/A	59,7	N/A	85	N/A	N/A
Internal wiring	50,0	N/A	51,2	N/A	90	N/A	N/A
Mains connector <small>Connector M123NM/5</small>	50,0	N/A	51,3	N/A	125	N/A	N/A
Terminal block <small>SLK5 SKII</small>	50,0	N/A	57,3	N/A	85	N/A	N/A
Surge Protective Device <small>SPD NSS-10/230-C4-PP</small>	50,0	N/A	57,4	N/A	80	N/A	N/A
Supplementary information: The luminaire has been tested on 50 and 60 Hz. The table chose the worst case.							

**List of test equipment used: N/A**

A completed list of used test equipment shall be provided in the Test Reports when a Customer's Testing Facility according to CTF stage 1 or CTF stage 2 procedure has been used. Other forms with a different layout but containing corresponding information are also acceptable.

Note: This page may be removed when CTF stage 1 CTF stage 2 are not used. See also clause 4.8 in OD 2020 for more details.

<b>Clause</b>	<b>Measurement / testing</b>	<b>Testing / measuring equipment / material used, (Equipment ID)</b>	<b>Range used</b>	<b>Last Calibration date</b>	<b>Calibration due date</b>

Photos

