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ENEC Certification Body registered under ID # 11.

Validity of ENEC Licences can be checked at www.enec.com

LICENCE

to use the European Mark



Licence No. **80145-007**

Date of issue: Wien, 2016 02 26

OVE the Austrian Electrotechnical Association as signatory to the **"Agreement on the use of a commonly agreed Mark of Conformity for certain electrical equipment complying with European Standards"** hereby grants the right to label the products mentioned hereunder and listed in the Annex with the Mark(s) shown above to the following company

Licenceholder: **Schröder SA**
Rue de Lusambo 67
1190 Brussels
Belgium

Product: **Luminaires for road and street lighting**

Trade Mark: 

Series/Type: **Series SKIDO**

Basis for this given right is the conformity of the products with the requirements of the relevant Standard(s) as listed in the Annex and the fulfilment of articles 8 and 9 of the ENEC-Agreement by the manufacturer. This licence refers to the tested specimen and to all products manufactured strictly identical to the submitted one.

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

Austrian Electrotechnical Association
Head of Testing & Certification

Digitally signed by W. Martin
Email=w.martin@ove.at

Dipl.-Ing. W. Martin



OVE Testing & Certification

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.en.bmfwf.gv.at/accreditation



<i>Hersteller</i> <i>Manufacturer</i>	Tungsram-Schröder Világítási Berendezések Zrt Tópart 2. 2084 Pilisszentiván Hungary
<i>Fertigungsstätte(n)</i> <i>Factory location(s)</i>	TOV Schröder Mukylunetska 46B 46005 Ternopil Ukraine
<i>Typenbezeichnung</i> <i>Type reference</i>	Series SKIDO SKID 6L_700mA CW SKID 6L_1050mA CW
<i>Prüfbericht</i> <i>Test Report</i>	TGM-VA EE 36464 ECS
<i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i>	ÖVE/ÖNORM EN 60598-1:2015-11-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01
<i>Europannorm(en)</i> <i>European Standard(s)</i>	EN 60598-1:2015 EN 60598-2-3:2003 + A1:2011
<i>Ersatz für Zertifikat</i> <i>Superseded licence</i>	--
<i>Anmerkung(en)</i> <i>Remark(s)</i>	--

<i>Nennspannung</i> <i>Rated voltage</i>	AC 100-240 V 50/60 Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1 x 17/23 W
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED Modules
<i>Schutzgrad</i> <i>Degree of protection</i>	IP 65; IK 08
<i>Netzanschluß</i> <i>Supply connection</i>	Screw terminals
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface
<i>Schutzklasse</i> <i>Class of protection</i>	Cl. I
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Luminaires for road and street lighting made of aluminium for installation on a pipe or on a mast arm, with LED module and LED driver. Protector made of polycarbonate.
<i>Zusatzinformation</i> <i>Additional information</i>	LED-Modules tested according to EN 62471:2008 and found within limits of risk group 2 (moderate risk). Distance d = 200mm: RG2 Distance d ≥ 1,27m: RG1 Distance d = 2m (500 Lux): RG0

<i>Bauteil Component</i>	<i>Code Code</i>	<i>Hersteller Manufacturer</i>	<i>Typenbezeichnung Type Reference</i>	<i>Konformitätszeichen Mark(s) of conformity</i>
LED Converter	B	Mean Well Enterprises	PLD-25-1050	ENEC 17
	B	Mean Well Enterprises	PLD-16-700	ENEC 17
Fuse holder	B	Adels-Contact	503 SI	VDE
Fuse	A	Littelfuse	.800; 250V; T 800mA	VDE
Varistor	A	Littelfuse	V275LA40AP (P275L40)	VDE
Terminals	A	Adels-Contact	500...; 450V; 0,75-2,5mm ²	VDE
LED-Module	C	Zollner	00-16-725 (Nichia 219C CW)	TGM-VA EE 36464 SFT-2
Wiring	A	Helukabel	H05VV-F 3G1,5mm ²	VDE

- 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.

Type list

Type	Input current at 230V 50Hz [A]	Luminaire max. power [W]	LED Current [mA]
SKIDO SKID 6L_700mA CW	0,07	15	700
SKIDO SKID 6L_1050mA CW	0,10	23	1050

SKIDO



CARACTERISTICI

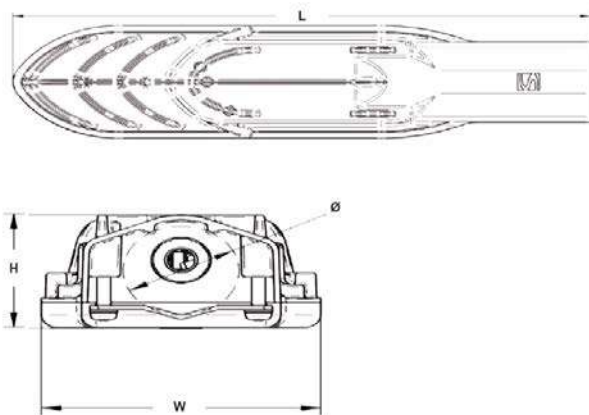
Soluție de iluminat cu LED, eficientă și economică

- Compact și versatil
- Maximizarea economiilor la energie și întreținere
- Lentile integrate, pentru distribuție luminoasă performantă
- ThermiX®, pentru performanță pe termen lung
- Funcționează la temperaturi de la -20° și până la 50°C
- Funcționează la voltaj între: 198-264V
- Ușor de instalat
- Protecție la supratensiuni de 10 kV (opțional)

TIPURI DE APLICAȚII

- căi de circulație urbane și străzi
- străzi rezidențiale
- piețe și zone pietonale
- poduri
- parcuri
- parări
- piste de biciclete
- hale industriale

SCHIȚĂ DIMENSIUNI



DIMENSIUNI ȘI CARACTERISTICI

	SKIDO1 (SKIDO)
Lungime (mm)	395
Lățime (mm)	101
Înălțime (mm)	54
Greutate (kg)**	1
Nivel de etanșeitate*	IP65
Rezistența la impact*	IK07
Clasa electrică*	Clasa I EU
Rezistența aerodinamică (CxS)	0,033 m ²

* Conform normelor IEC-EN60598 și IEC-EN62262

** Greutate medie. Greutatea maximă este +/- 10% , dar, pentru greutatea exactă, în funcție de configurație, vă rugăm să ne contactați.

REZUMAT

CONCEPT

Aparat de iluminat special proiectat pentru funcționarea cu LEDuri

Înălțime de instalare recomandată: între 3 și 6 metri

Pentru disiparea optimă a căldurii, balastul electronic și modulul LED sunt în compartimente separate și sunt alaturate într-o secțiune orizontală

CARCASĂ ȘI FINISAJE

- Carcasa este fabricată din aluminiu turnat sub presiune, vopsit în câmp electrostatic
- Difuzor din policarbonat rezistent la raze UV
- Culoare: gri 7037 din paletarul RAL

INSTALARE

- Fixare laterală cu clemă din oțel inoxidabil, diametru 32042mm, strâns cu 4 șuruburi M8, din oțel inoxidabil
- Livrat cu cablu de ieșire (lungime 0.3m 3G1² sau 3G1.5²), pentru instalare ușoară

UNITATE OPTICĂ

- modul optic LED PCI (placă de circuite integrate), prevăzut cu lentile acrilice și care realizează distribuția luminoasă prin multiplicare
- CRI > 70
- ULOR: 0%

Deprecierea fluxului luminos al LEDurilor

- Flux rezidual pe viață @ Tq=25°C @ 50.000 ore: 700mA: 90%

ELECTRIC

- Clasa I
- Tensiunea de intrare: 230V - 50Hz
- Factorul de putere > 90%, la sarcină maximă
- Protecție la supratensiuni de 4kV minim, opțional 10kV, 10kA

STANDARDE ȘI CERTIFICĂRI

- CE
- ENEC
- LM79-80
- ROHS
- toate măsurările s-au realizat în laborator acreditat ISO17025

OPȚIUNI

- alte culori din paletarele RAL sau AKZO

CONCEPT

1. Thermix® pentru performanță pe termen lung

Managementul termic al LEDurilor este un aspect crucial pentru ca aparatul de iluminat să fie mai fiabil. Pentru maximizarea eficacității și menținerea fluxului în timp, numeroși parametri au fost optimizați:

- compartimentarea termică între LEDuri și accesoriile electrice
- conductibilitatea termică directă, prin reducerea căii dintre sursa de căldură și exterior
- structură îmbunătățită a suprafeței externe, care realizează schimbul termic

DETALII FLUX LUMINOS ȘI PUTERE

Caracteristici pentru LEDuri (5500 K, CRI min. 70) în Alb Rece (CW), la T_q 25° C

Model	Acronim	Temperatura de culoare	Cod de flux	Flux luminos al aparatului (lm)	Puterea aparatului (W)	Eficiența aparatului (lm/W)	Curent (mA)	Flux al surselor LED (lm)	Număr de LEDuri
SKIDO	SKIDO1	CW	001A0	1200	16	75	700	1500	6

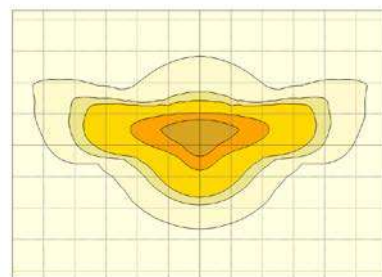
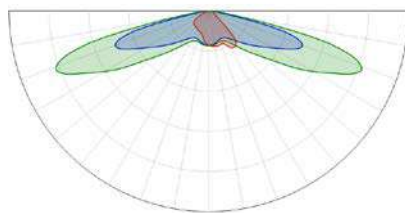
Notă: Fluxul este o medie orientativă putând să varieze în funcție de tipul distribuției luminoase și a difuzorului. Toleranța de flux pentru LEDuri este de $\pm 7\%$ și pentru puterea totală a aparatului de iluminat este de $\pm 5\%$.

Fluxul precis și matricea corespunzătoare pentru fiecare configurație sunt disponibile pe www.schreder.com

DISTRIBUȚII LUMINOASĂ

5122AS

Iluminat stradal



CUM SE CREEAZĂ UN COD DE COMANDĂ VALID?

1 Mergeți în Fișa cu Datele Comenzii și compuneți-vă soluția prin alegerea unui singur cod pentru fiecare coloană, pentru a specifica **ID-UL PRODUSULUI**, **ȚARA** (în care se face instalarea), **BLOCUL OPTIC**, **ECCHIPAREA PLĂCII DE BAZĂ**, **OPȚIUNILE DE CONTROL**, **MONTAJUL** ȘI **CULOAREA**. Puteți selecta mai multe **OPȚIUNI**.

2 Configurați-vă soluția ușor: cele mai multe dintre opțiunile propuse nu au nevoie de niciun fel de informații suplimentare și sunt explicate pe scurt sub cod (consultați notele de subsol, pentru verificarea compatibilității dintre opțiunile selectate).



3 Alegeți codurile pentru **Flux**, **Distribuție Luminoasă** și **Control** prin consultarea informațiilor mai detaliate, incluse în Fișa de Produs.

Flux CODE

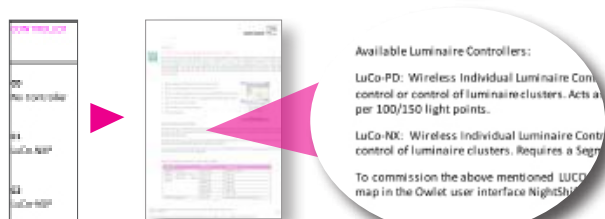
Flux temp.	Flux code	Typical luminare output (lm)	pow. (W)
PRODUCTX NW	001A0	1000	10
PRODUCTX NW	001A1	1400	14
PRODUCTX NW	001A2	1800	19
PRODUCTX NW	002A3	2000	18
PRODUCTX NW	002A4	2700	26
PRODUCTX NW	003A5	3000	

În funcție de opțiunea dumneavoastră privind temperatura de culoare, vă rugăm să consultați tabelul aferent, pentru identificarea **codului de flux** aferent fluxului luminos al aparatului de iluminat solicitat/dorit(*). **Vă rugăm să verificați ID-ul produsului, pentru a vă asigura că fluxul luminos de care aveți nevoie este disponibil pentru dimensiunea pe care ați ales-o.**



Pentru a alege **distribuția luminoasă**, consultați codul din 4 cifre din dreptul curbelor și diagramelor (*). AS= asimetric, SY=simetric, BL= controlul luminii reziduale.

(* Fluxul luminos și matricea aferentă pentru fiecare configurație disponibilă se găsesc pe www.schreder.com



Pentru configurarea soluției optime între caracteristicile de care aveți nevoie și **opțiunile de control**, disponibile, consultați descrierea din Fișa de Produs.

CODURI DE COMANDĂ VALIDE - EXEMPLE

DOAR CU CARACTERISTICI STANDARD

PRODXX - 00 - NW008AH - 5118BL - GL01 - V02D03S3 - C000 - C201 - U4 - A1 - A6 - 0L

ID produs (6 cifre)	Universal (2 cifre)	Temperatura de culoare+ flux (7 cifre)	Tipul distribuției luminoase (6 cifre)	Tipul difuzorului (2 cifre)	Tensiune & clasă electrică + Reducerea fluxului + Protecție electrică (8 cifre)	Tipul cablului de alimentare (4 cifre)	Dispozitiv de control + fotocelulă + senzor (4 cifre)	Montaj (2 cifre)	Opțiuni (2 cifre pentru fiecare)	Culoare RAL (2 cifre)
Codul de țară ISO 3166 (2 cifre)			Distribuție luminoasă personalizată		Tensiune & clasă electrică + Reducerea fluxului + Protecție electrică (8 cifre)	Cablu de alimentare personalizat (4 cifre)	Personalizare control + fotocelulă + senzor (4 cifre)		Opțiuni personalizate (Distribuție luminoasă, reducerea fluxului, cabluri, control, fotocelulă) pentru care veți primi un cod specific (4 cifre pentru fiecare)	Culoare RAL specifică (8 cifre)

PRODXX - AT - NW008AH - CUSTOM - GL04 - V02D04S3 - CJZZ - ZZZZ - U4 - PXXX - DXXX - CXXX - SXXX - TXXX - RAL3005M

CU CERINȚELE PERSONALIZATE

ID	ȚARA	BLOC OPTIC				ACCESORII ELECTRICE				CONTROL [4]			MONTAJ	OPȚIUNI	CULOARE	
ID PRODUS	ȚARA DE INSTALARE [1]	TEMPERAT URA DE CULOARE	COD FLUX [2]	TIPUL DISTRIBU TIEI	DIFUZOR	VOLTAJ & CLASĂ ELECTRICĂ	REDUCEREA FLUXULUI LUMINOS	PROTECȚIE ELECTRICĂ	CABLU DE ALIMENTAR E	TIP CABLU	DISPOZITIVE DE CONTROL	FOTOCELULĂ	SENZOR	MONTAJ	OPȚIUNI [5]	CULOARE
SKIDO1	00 Universal Standard	CW Alb rece	001A0	5122AS	PC03 polycarbonat profilat	V02 230V CLI	D00 Fără reducerea fluxului luminos	S2 4kV + siguranță	CB Lungime cablu 0,3m	3A 3G1²	C0 Fără dispozitiv de control	0 Fără fotocelulă	0 Fără senzor	L1 Fixare laterală	N0 Fără altele	0S RAL 7001 T
	S3 10kV - fără siguranță							CC Lungime cablu 0,5m	3C 3G1.5²	P1 culoare cutie					01 RAL 7037 T	
	S4 10kV + siguranță							CI Lungime cablu 5m	ZZ CABLU PERSONALIZA	AA Etichetare specială					RALxxx M Alte culori mate din paletarul RAL	
										CXXX cabluri personalizabile					RALxxx B Alte culori stralucitoare din	
										LXXX Etichetare personalizată					RALxxx T Alte culori texturizate din	
										FXXX Finisaje - culoare, lac...					ZZ Altă vopsea	
															OXXX Altele	

Comanda dvs.																	
SKIDO1	__	CW	001A0	5122AS	PC03	V02	D00	S_	C_	3_	C0	0	0	L1	NO	__	

Exemple: 0

Notă:

- [1] Vă rugăm să specificați țară unde se face instalarea, pentru a ne asigura că setările specifice țării sunt luate în considerare. Schröder vă va furniza codul care trebuie folosit (00 (standard universal) sau codul ISO al țării).
- [2] Vezi mai multe detalii în tabel: Lumeni și Putere. [3] Vezi mai multe detalii în tabel: Distribuții luminoase.
- [4] Accesoriiile de montaj ale Schröder sunt compatibile cu majoritatea echipamentelor de control disponibile pe piață. Vă rugăm să contactați Schröder pentru mai multe informații.
- [5] Multiple combinații de SELECȚII și VERSIUNI posibile. eg. -A2-AA-P0Z0-D0W0-C0Y0-S0M0-L0H0.
- *Vă rugăm să contactați Schröder, pentru a specifica cerințele. O cerință personalizată trebuie să fie validată de Schröder și poate influența perioada de livrare.

Laboratory Service PHYSICAL TEST REPORT



R-Tech

Rue de Mons 3 – B-4000 Liège – Belgium
Tel.: +32 4 224 71 40 – Fax: +32 4 224 25 90
Member of Schröder Group

Subject: SKIDO 6 led's @ 1,05 A - class I protection

Sample n°: P-E15329

Test purpose: EMC tests according to EN 55015 & EN 61547 Standards

Remarks:

Test request n°: P-D15613

Folder n°: P-F14083

TEST CONDITIONS:

Operator: EMC - ULg

Test Summary

EN 55015 & EN 61547 Standards

Emission

Standard	Limit / Level	Result	
		PASS	FAIL
EN 55015 Conducted Emission 9kHz- 30 MHz		X	
EN 55015 Annex B 30 MHz – 300 MHz		X	

Immunity

Standard	Limit / Level	Result	
		PASS	FAIL
EN 61000-4-5	0.5 to 4 kV M.D. & M.C. Criteria B required	X	

Driver: Mean-Well PLD-25-1050 @ 1050mA

EMC Auxiliaries: Varistor

CONCLUSIONS:

SKIDO 6 led's driven @ 1.05A by Mean Well PLD-25-1050 driver complies with the CISPR/EN 55015 and EN 61547 Standards.

Remark: Surge protection tested OK up to 4 KV for both Common and Differential modes
(Max ULg facilities)

Duplicate to: Mr M. Thijs

LAB 16/09/2015

L. Maghe

//P-15CR613

Laboratory Service PHYSICAL TEST REPORT



R-Tech
Rue de Mons 3 – B-4000 Liège – Belgium
Tel.: +32 4 224 71 40 – Fax: +32 4 224 25 90
Member of Schröder Group

Subject: SKIDO 6 led's

Sample n°: P-E15365

Test purpose: Thermal test evaluation @ 1.05A and 700mA following IEC/EN 60598-1 Std

Remarks:

Test request n°: P-D15544

Folder n°: P-F14083

TEST CONDITIONS:

Operator: CLOSSET Frédéric

Load: 6 led's

Driver: Test 1A: Mean Well PLD-25-1050

Test 700mA: Mean Well PLD-16-700

Tc 70 °C

Measurement device:

Yokogawa TX10: thermal measurement

Yokogawa WT 210: primary EM

Fluke 87: secondary and led's EM

Junction Temperature measurement method

Junction temperature measurement by base temperature measurement and electrical measurement.

$$T_j = T_b + R_{jb} \times P_{led}$$

CONCLUSIONS:

@ 1,05A: Ta (IEC): 35 °C
Tq (IEC): 25 °C

@ 700 mA: Ta (CEI): 50 °C
Tq (CEI): 40 °C

Tq given for driver full load

T° given without wind effect to comply with IEC 62722-2-1

Duplicate to: Mr M. Thijs

LAB 01/07/2015

L. Maghe

A handwritten signature in blue ink, appearing to read "L. Maghe".

//P-15CR544



Test Report issued under the responsibility of:



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

Report Number.: TGM-VA EE 36464 SFT-1
Date of issue 2016-01-21
Total number of pages..... 40

Name of Testing Laboratory preparing the Report.....: Staatliche Versuchsanstalt – TGM
 Elektrotechnik und Elektronik

Applicant's name.....: Schröder SA
Address Rue de Lusambo 67, 1190 Brussels , Belgium

Test specification:

Standard.....: IEC 60598-2-3:2002 (Third Edition) + A1:2011 used in conjunction with IEC 60598-1:2014 (Eighth Edition)
Test procedure CB Scheme , ENEC
Non-standard test method.....: N/A

Test Report Form No.....: IEC60598_2_3J
Test Report Form(s) Originator.....: Intertek Semko AB
Master TRF.....: 2014-09

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General disclaimer:

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Test item description	Luminaire for road and street lighting		
Trade Mark	Schröder 		
Manufacturer	Tungsram-Schreder ZRT Topart 2, 2084 Pilisszentivan-Hungary		
Model/Type reference	SKIDO		
Ratings	100-240V, 50/60Hz, Cl.I, IP65, IK08, Ta 50°C		
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			
☒	CB Testing Laboratory:	Staatliche Versuchsanstalt – TGM Elektrotechnik und Elektronik 	
Testing location/ address		A-1200 Wien, Wexstrasse 19-23	
☐	Associated CB Testing Laboratory:		
Testing location/ address			
Tested by (name, function, signature)		Ing. Jahangir NOORI	
Approved by (name, function, signature) ..		Mag. Thomas THUN	
☐	Testing procedure: TMP/CTF Stage 1:		
Testing location/ address			
Tested by (name, function, signature)			
Approved by (name, function, signature) ..			
☐	Testing procedure: WMT/CTF Stage 2:		
Testing location/ address			
Tested by (name + signature)			
Witnessed by (name, function, signature) . :			
Approved by (name, function, signature) .. :			
☐	Testing procedure: SMT/CTF Stage 3 or 4:		
Testing location/ address			
Tested by (name, function, signature)			
Witnessed by (name, function, signature) . :			
Approved by (name, function, signature) .. :			
Supervised by (name, function, signature) :			

List of Attachments (including a total number of pages in each attachment): EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES see pages 35-36 /40	
Summary of testing: Full test performed on type SKIDO representing also for the other types pictures see pages 37-40	
Tests performed (name of test and test clause): all clause	Testing location: Staatliche Versuchsanstalt – TGM Elektrotechnik und Elektronik A-1200 Wien, Wexstrasse 19-23
Summary of compliance with National Differences: List of countries addressed EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES see pages 35-36 /40 ☒ The product fulfils the requirements of EN 60598-1:2015 and EN 60598-2-3: 2003+A1:2011	

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

SKIDO
 SKID01400-CW002D2-5122AS-PC03-V02D00S4-CC03-C000-L1-N0-0S
 SKID|BL 1050mA|CW|NAR5122|WOPro|WOPro|H32-42|No OC 10|No Dim|
 No CLO|230V 50Hz|CL EU|No PhC|No Se|No Dis|Eq Wa P|Fus|SPD|Wa TS|
 No LSV|No To TC05_H07RN_F_3G1.5
 Ra: 7001T
 LED 23W Ta=50°C
 100-240V 50/60Hz IP65/IP65(OPT) IK08
 013788/3
 E16021/24
 JAN 16


 MADE IN UCRATINE
 EU contact Schneider-ATECH
 Rue de laire 3 - 4000 Lange
 Belgium





Test item particulars.....:	
Classification of installation and use.....: Cl.I	
Supply Connection.....: screw terminal	
Possible test case verdicts:	
- 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)	
Testing.....:	
Date of receipt of test item : 2015-09-14	
Date (s) of performance of tests : cw-41-51/2015	
General remarks:	
Distance d = 200mm: RG2, • Distance d ≥ 1,27m: RG1, • Distance d = „500Lux“ ≈ 2m: RG0	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a ☒ comma / ☐ point is used as the decimal separator.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC60598-2:	
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 :	☐ Yes ☒ Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies)..... : Schreder TOV Vul.Mykulynetska 468, 46000 Ternopil UKRAINE	
General product information: Luminaires for road and street lighting for installation on a pipe or on a mast arm. Body aluminium, protector Polycarbonate. LED Module and LED Driver. Means of connection: screw terminal	
Power ratings ±5% The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 1,27 m is not expected.	

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

3.2 (0)	GENERAL TEST REQUIREMENTS		P
3.2 (0.1)	Information for luminaire design considered	Standard Yes ☒ No ☐	—
3.2 (0.3)	More sections applicable.....	Yes ☐ No ☒	—

3.4 (2)	CLASSIFICATION		P
3.4 (2.2)	Type of protection	Class I	—
3.4 (2.3)	Degree of protection.....	IP 65	—
3.4 (2.4)	Luminaire suitable for direct mounting on normally flammable surfaces	Yes ☒ No ☐	—
3.4 (2.5)	Luminaire for normal use	Yes ☒ No ☐	—
	Luminaire for rough service	Yes ☐ No ☒	—
3.4 (-)	Modes of installation of road or street lighting		—
	a) on a pipe	Yes ☒ No ☐	—
	b) on a mast arm	Yes ☒ No ☒	—
	c) on a post top	Yes ☐ No ☒	—
	d) on span or suspension wires	Yes ☐ No ☒	—
	e) on a wall	Yes ☐ No ☒	—

3.5 (3)	MARKING		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		P
3.5 (3.3.3)	Operating temperature		P
3.5 (3.3.4)	Symbol or warning notice		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		N/A

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
3.5 (3.3.10)	Suitability for use indoors		N/A
3.5 (3.3.11)	Luminaires with remote control		N/A
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		N/A
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	X	P
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
	Cautionary symbol		P
3.5 (3.3.22)	Controllable luminaires, classification of insulation provided		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		P
	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		N/A
	i) Maximum mounting height		P
3.6 (4)	CONSTRUCTION		P
3.6 (4.2)	Components replaceable without difficulty		P

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
3.6 (4.3)	Wireways smooth and free from sharp edges		P
3.6 (4.4)	Lampholders	LED-MODULE	N/A
3.6 (4.4.1)	Integral lampholder		N/A
3.6 (4.4.2)	Wiring connection		P
3.6 (4.4.3)	Lampholder for end-to-end mounting		N/A
3.6 (4.4.4)	Positioning		N/A
	- pressure test (N)		—
	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)		—
	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
3.6 (4.5)	Starter holders		N/A
	Starter holder in luminaires other than class II		N/A
	Starter holder class II construction		N/A
3.6 (4.6)	Terminal blocks		N/A
	Tails		N/A
	Unsecured blocks		N/A
3.6 (4.7)	Terminals and supply connections		P
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		P
3.6 (4.7.3)	Terminals for supply conductors		N/A
3.6 (4.7.3.1)	Welded method and material		N/A
	- stranded or solid conductor		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- spot welding		N/A
	- welding between wires		N/A
	- Type Z attachment		N/A
	- mechanical test according to 15.8.2		N/A
	- electrical test according to 15.9		N/A
	- heat test according to 15.9.2.3 and 15.9.2.4		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		N/A
	- test at 30 N		N/A
3.6 (4.8)	Switches		N/A
	- adequate rating		N/A
	- adequate fixing		N/A
	- polarized supply		N/A
	- compliance with IEC 61058-1 for electronic switches		N/A
3.6 (4.9)	Insulating lining and sleeves		N/A
3.6 (4.9.1)	Retainment		N/A
	Method of fixing		—
3.6 (4.9.2)	Insulated linings and sleeves:		N/A
	Resistant to a temperature > 20 °C to the wire temperature or		N/A
	a) & c) Insulation resistance and electric strength		N/A
	b) Ageing test. Temperature (°C)		N/A
3.6 (4.10)	Double or reinforced insulation		N/A
3.6 (4.10.1)	No contact, mounting surface – accessible metal parts – wiring of basic insulation		N/A
	Safe installation fixed luminaires		N/A
	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:		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- fixed		N/A
	- unable to be replaced; luminaire inoperative		N/A
	- sleeves retained in position		N/A
	- lining in lampholder		N/A
3.6 (4.11)	Electrical connections and current-carrying parts		P
3.6 (4.11.1)	Contact pressure		P
3.6 (4.11.2)	Screws:		P
	- self-tapping screws		N/A
	- thread-cutting screws		N/A
3.6 (4.11.3)	Screw locking:		P
	- spring washer		P
	- 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
3.6 (4.12)	Screws and connections (mechanical) and glands		P
3.6 (4.12.1)	Screws not made of soft metal		P
	Screws of insulating material		N/A
	Torque test: torque (Nm); part..... :	1,8 Nm housing	P
	Torque test: torque (Nm); part..... :	0,5 Nm terminal	P
	Torque test: torque (Nm); part..... :	1,2 Nm earth terminal	P
	Torque test: torque (Nm); part..... :	0,5 Nm LED-Driver	P
	Torque test: torque (Nm); part..... :	1,2 Nm LED-Module	P
	Torque test: torque (Nm); part..... :	1,2 Nm housing	P
3.6 (4.12.2)	Screws with diameter < 3 mm screwed into metal		N/A
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
3.6 (4.13)	Mechanical strength		P
3.6 (4.13.1)	Impact tests:		P
	- fragile parts; energy (Nm)	0,5 Nm	P
	- other parts; energy (Nm)..... :	0,7 Nm	P

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Clause	Requirement + Test		Verdict
	1) live parts		P
	2) linings		P
	3) protection		P
	4) covers		P
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
3.6 (4.14)	Suspensions, fixings and means of adjusting		P
3.6 (4.14.1)	Mechanical load:		P
	A) four times the weight	1,378kg + 4x1,378=6,890kg	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)		—
	Stress in conductors (N/mm ²)		N/A
	Mass (kg) of semi-luminaire		—
	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

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Clause	Requirement + Test	Result - Remark	Verdict
3.6 (4.14.6)	Strain on socket-outlets		N/A
3.6 (4.15)	Flammable materials		P
	- glow-wire test 650°C	See Test Table 3.15 (13.3.2)	P
	- spacing ≥ 30 mm		N/A
	- screen withstanding test of 13.3.1		N/A
	- screen dimensions		N/A
	- no fiercely burning material		P
	- 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
3.6 (4.16)	Luminaires for mounting on normally flammable surfaces		P
	No lamp control gear	(compliance with Section 12)	N/A
3.6 (4.16.1)	Lamp control gear spacing:		P
	- spacing 35 mm		P
	- spacing 10 mm		N/A
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		N/A
3.6 (4.16.3)	Design to satisfy the test of 12.6	(see clause 12.6)	N/A
3.6 (4.17)	Drain holes		N/A
	Clearance at least 5 mm		N/A
3.6 (4.18)	Resistance to corrosion		P
3.6 (4.18.1)	- rust-resistance		P
3.6 (4.18.2)	- season cracking in copper		P
3.6 (4.18.3)	- corrosion of aluminium		P
3.6 (4.19)	Igniters compatible with ballast		N/A
3.6 (4.20)	Rough service vibration		N/A
3.6 (4.21)	Protective shield		N/A

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
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
3.6 (4.24)	Photobiological hazards		P
3.6 (4.24.1)	No excessive UV radiation if tungsten halogen lamps and metal halide lamps (Annex P)	See Test Report MA 39-VFA 2016-0209.01/B2	P
3.6 (4.24.2)	Retinal blue light hazard RG0 with minimum distance "500Lux" 2,0m		P
	Luminaires with E_{thr} :		P
	a) Fixed luminaires		P
	- distance x m, borderline between RG1 and RG2	For RG2 distance 0,2m For RG1 minimum distance 1,27m	P
	- 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
3.6 (4.25)	Mechanical hazard		P
	No sharp point or edges		P
3.6 (4.26)	Short-circuit protection		N/A
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
3.6 (4.27)	Terminal blocks with integrated screwless earthing contacts		N/A
	Test according Annex V		N/A
	Pull test of terminal fixing (20 N)		N/A

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
	After test, resistance < 0,05 Ω		N/A
	Pull test of mechanical connection (50 N)		N/A
	After test, resistance < 0,05 Ω		N/A
	Voltage drop test, resistance < 0,05 Ω		N/A
3.6 (4.28)	Fixing of thermal sensing control		N/A
	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 ($^{\circ}\text{C}$) :		—
	100 cycles between t min and t max		N/A
	Temperature sensing control still in position		N/A
3.6 (4.29)	Luminaires with non-replaceable light source		N/A
	Not possible to replace light source		N/A
	Live part not accessible after parts have been opened by hand or tools		N/A
3.6 (4.30)	Luminaires with non-user replaceable light source		P
	If protective cover provide protection against electric shock and marked with “caution, electric shock risk” symbol:		P
	Minimum two fixing means		P
3.6 (4.31)	Insulation between circuits		P
	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		N/A
3.6 (4.31.1)	SELV circuits		P
	Used SELV source		P
	Voltage $\leq$ ELV		P
	Insulating of SELV circuits from LV supply		N/A
	Insulating of SELV circuits from other non SELV circuits		P
	Insulating of SELV circuits from FELV		N/A
	Insulating of SELV circuits from other SELV circuits		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	SELV circuits insulated from accessible parts according Table X.1		P
	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
3.6 (4.31.2)	FELV circuits		N/A
	Used FELV source		N/A
	Voltage $\leq$ 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
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:		N/A
	- conductive parts are connected together		P
	- test according 7.2.3 of above		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
3.6 (4.32)	Overvoltage protective devices		N/A
	Comply with IEC 61643-11		N/A
	External to controlgear and connected to earth:		N/A
	- only in fixed luminaires		N/A
	- only connected to protective earth		N/A

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
3.6.1 (-)	At least IP X3 or X5 respectively. IP	IP65	P
	Column-integrated luminaires:		P
	- parts below 2,5 m. IP		N/A
	- parts above 2,5 m. IP	IP65	P
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		N/A
3.6.3.1 (-)	Static load test		P
	- drag coefficient.....	1,225kg/m ³	P
	- loaded area (m ²).....	0,0398m ²	P
	- used load (N).....	59,237N	P
	- measured deformation (cm/m)	0,9cm/m	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
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		P
3.6.5.2.1 (-)	Glass covers have high mechanical strength	protector Polycarbonate	P
	Test according IEC 62262 with test apparatus according IEC 60068-2-75 with impact energy of 5J on preconditioned sample	IK08	P
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

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Clause	Requirement + Test	Result - Remark	Verdict
3.6.7 (-)	Compliance with ISO standard or other		N/A
3.6.8 (-)	Doors of column-integrated luminaires:		N/A
	- 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:		N/A
	- 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

3.7 (11)	CREEPAGE DISTANCES AND CLEARANCES		P
3.7 (11.2)	Creepage distances and clearances	See Table 3.7 (11.2)	P
	Working voltage (V)	100-240V	—
	Rated pulse voltage (kV)	2,5 kV	—
	Voltage form	Sinusoidal ☒ Non-sinusoidal ☐	—
	PTI	< 600 ☒ ≥ 600 ☐	—
	Impulse withstand category (Normal category II) (Category III Annex U)	Category II ☒ Category III ☐	—

3.8 (7)	PROVISION FOR EARTHING		P
3.8 (7.2.1 + 7.2.3)	Accessible metal parts		P
	Metal parts in contact with supporting surface		P
	Resistance < 0,5 Ω	< 0,3 Ω	P
	Self-tapping screws used		N/A
	Thread-forming screws		N/A
	Thread-forming screw used in a grove		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		P

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Clause	Requirement + Test	Result - Remark	Verdict
3.8 (7.2.2 + 7.2.3)	Earth continuity in joints, etc.		P
3.8 (7.2.4)	Locking of clamping means		P
	Compliance with 4.7.3		P
	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		P
3.8 (7.2.7)	Electrolytic corrosion of the earth terminal		N/A
3.8 (7.2.8)	Material of earth terminal		P
	Contact surface bare metal		P
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		P
	Length of earth conductor		N/A
3.8.1 (-)	Attachment prevented from rotation		N/A

3.9 (14)	SCREW TERMINALS		P
	Separately approved; component list..... :	(see Annex 1)	P
	Part of the luminaire	(see Annex 3)	N/A

3.9 (15)	SCREWLESS TERMINALS AND ELECTRICAL CONNECTIONS		N/A
	Separately approved; component list..... :	(see Annex 1)	N/A
	Part of the luminaire	(see Annex 4)	N/A

3.10 (5)	EXTERNAL AND INTERNAL WIRING		P
3.10 (5.2)	Supply connection and external wiring		P
3.10 (5.2.1)	Means of connection	screw terminal	P
	Outdoor luminaire has not PVC insulated external wiring if not class III or SELV ≤ 25 V a.c./60 V d.c. or protected from outdoor environment		N/A
3.10 (5.2.2)	Type of cable..... :		N/A
	Nominal cross-sectional area (mm ²)		N/A
	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

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Clause	Requirement + Test	Result - Remark	Verdict
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		N/A
3.10 (5.2.10)	Cord anchorage:		P
	- covering protected from abrasion		P
	- clear how to be effective		P
	- no mechanical or thermal stress		P
	- no tying of cables into knots etc.		P
	- insulating material or lining		P
3.10 (5.2.10.1)	Cord anchorage for type X attachment:		P
	a) at least one part fixed		P
	b) types of cable		P
	c) no damaging of the cable		P
	d) whole cable can be mounted		P
	e) no touching of clamping screws		P
	f) metal screw not directly on cable		P
	g) replacement without special tool		P
	Glands not used as anchorage		P
	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:		P
	- impossible to push cable; unsafe		P
	- pull test: 25 times; pull (N) : 80N		P
	- torque test: torque (Nm) : 0,35 Nm		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- displacement ≤ 2 mm		P
	- no movement of conductors		P
	- no damage of cable or cord		P
	- function independent of electrical connection		P
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
3.10 (5.2.18)	Used plug in accordance with		N/A
	- IEC 60083		N/A
	- other standard		N/A
3.10 (5.3)	Internal wiring		P
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)		P
	Green-yellow for earth only		P
3.10 (5.3.1.1)	Internal wiring connected directly to fixed wiring		N/A
	Cross-sectional area (mm ²)..... : 0,75mm ² and 1,5mm ²		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Insulation thickness		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		P
	Adequate cross-sectional area and insulation thickness		P
3.10 (5.3.1.3)	Double or reinforced insulation for class II		N/A
3.10 (5.3.1.4)	Conductors without insulation		N/A
3.10 (5.3.1.5)	SELV current-carrying parts		P
3.10 (5.3.1.6)	Insulation thickness other than PVC or rubber		N/A
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°		N/A
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		P
	Wire ends tinned: no cold flow		N/A
3.10.1 (-)	Cord anchorage if applicable		P
	- pull test: 25 times; pull (N):	80 N	P
	- torque test: torque (Nm).....:	0,35 Nm	P
3.11 (8)	PROTECTION AGAINST ELECTRIC SHOCK		P
3.11 (8.2.1)	Live parts not accessible		P
	Basic insulated parts not used on the outer surface without appropriate protection		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Basic insulated parts not accessible with standard test finger on portable, settable and adjustable luminaires		P
	Basic insulated parts not accessible with Ø 50 mm probe from outside, other types of luminaires		N/A
	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	LED-Module	P
	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:		N/A
	- basic insulated metal parts not accessible during starter or lamp replacement		N/A
	- 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
	- touch current		N/A
	- no-load voltage.....		N/A
	Other than ordinary luminaire:		N/A
	- nominal voltage		N/A
3.11 (8.2.4)	Portable luminaire have protection independent of supporting surface		N/A
3.11 (8.2.5)	Compliance with the standard test finger or relevant probe		N/A
3.11 (8.2.6)	Covers reliably secured		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.11 (8.2.7)	Discharging of capacitors $\geq 0,5 \mu\text{F}$		N/A
	Portable plug connected luminaire with capacitor		N/A
	Other plug connected luminaire with capacitor		N/A
	Discharge device on or within capacitor		N/A
	Discharge device mounted separately		N/A
3.12 (12)	ENDURANCE TEST AND THERMAL TEST		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		—
3.12 (12.3)	Endurance test:		P
	- mounting-position..... :	Acc. to mounting instruction	—
	- test temperature (°C) :	50°C	—
	- total duration (h) :	240h	—
	- supply voltage: Un factor; calculated voltage (V).... :	1,1 Un 264V	—
	- lamp used..... :	00-16-725 (Nichia 219C CW)	—
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
3.12 (12.4)	Thermal test (normal operation)	(see Annex 2)	P
3.12 (12.5)	Thermal test (abnormal operation)	(see Annex 2)	N/A
3.12 (12.6)	Thermal test (failed lamp control gear condition):		N/A
3.12 (12.6.1)	Through wiring or looping-in wiring loaded by a current of (A) :		—
	- case of abnormal conditions :		—
	- electronic lamp control gear		N/A
	- measured winding temperature (°C): at 1,1 Un :		—
	- measured mounting surface temperature (°C) at 1,1 Un..... :		N/A
	- calculated mounting surface temperature (°C) :		N/A
	- track-mounted luminaires		N/A

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Clause	Requirement + Test		Verdict
3.12 (12.6.2)	Temperature sensing control		N/A
	- case of abnormal conditions		—
	- 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
3.12 (12.7)	Thermal test (failed lamp control gear in plastic luminaires):		N/A
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		—
	Test according to 12.7.1.1:		N/A
	- case of abnormal conditions		—
	- Ballast failure at supply voltage (V)		—
	- 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		—
	- measured winding temperature (°C): at 1,1 Un		—
	- measured temperature of fixing point/exposed part (°C): at 1,1 Un		—
	- calculated temperature of fixing point/exposed part (°C)		—
	Ball-pressure test	See 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		—
	- measured winding temperature (°C): at 1,1 Un		—
	- measured temperature of fixing point/exposed part (°C): at 1,1 Un		—
	- calculated temperature of fixing point/exposed part (°C)		—
	Ball-pressure test	See Table 3.15 (13.2.1)	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.12 (12.7.1.3)	Luminaire with short circuit proof transformers ≤ 10 VA		N/A
	- case of abnormal conditions		—
	- 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 ☐ No ☐	—
	- manual reset cut-out	Yes ☐ No ☐	—
	- auto reset cut-out	Yes ☐ No ☐	—
	- case of abnormal conditions		—
	- highest measured temperature of fixing point/ exposed part (°C):		—
	Ball-pressure test:	See Table 3.15 (13.2.1)	N/A
3.12.1 (-)	Temperature reduction if for outdoor use only		N/A
3.12.2 (-)	(See above)		—
3.12.3 (-)	Glass covers used within the thermal limits declared by the glass manufacturer		N/A

3.13 (9)	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		P
3.13.1 (-)	If IP > IP 20 the order of tests as specified in clause 3.12		P
3.13 (9.2)	Tests for ingress of dust, solid objects and moisture:		—
	- classification according to IP	IP65	—
	- mounting position during test	Acc. to mounting instruction	—
	- fixing screws tightened; torque (Nm)	-	—
	- tests according to clauses	9.2.2 and 9.2.6	—
	- electric strength test afterwards		P
	a) no deposit in dust-proof luminaire		N/A
	b) no talcum in dust-tight luminaire		P
	c) no trace of water on current-carrying parts or on insulation where it could become a hazard		N/A
	d) i) For luminaires without drain holes – no water entry		P
	d) ii) For luminaires with drain holes – no hazardous water entry		N/A
	e) no water in watertight luminaire		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	f) no contact with live parts (IP 2X)		N/A
	f) no entry into enclosure (IP 3X and IP 4X)		N/A
	f) no contact with live parts (IP3X and IP4X)		N/A
	g) no trace of water on part of lamp requiring protection from splashing water		N/A
	h) no damage of protective shield or glass envelope		P
3.13 (9.3)	Humidity test 48 h		P
3.14 (10)	INSULATION RESISTANCE AND ELECTRIC STRENGTH		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		—
	Insulation resistance (MΩ)		—
	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	>2,6 MΩ	P
	- between live parts and mounting surface	>2,6 MΩ	P
	- between live parts and metal parts	>2,6 MΩ	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..... :	>2,6 MΩ	P
	- Insulation bushings as described in Section 5	>2,6 MΩ	P
3.14 (10.2.2)	Electric strength test		P
	Dummy lamp		N/A
	Luminaires with ignitors after 24 h test		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Luminaires with manual ignitors		N/A
	Test voltage (V)		N/A
	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		P
	Other than SELV		P
	- between live parts of different polarity	1480V	P
	- between live parts and mounting surface	1480V	P
	- between live parts and metal parts	1480V	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	1480V	P
3.14 (10.3)	Touch current or protective conductor current (mA) :	0,212mA	P

3.15 (13)	RESISTANCE TO HEAT, FIRE AND TRACKING		P
3.15 (13.2.1)	Ball-pressure test	See Test Table 3.15 (13.2.1)	N/A
3.15 (13.3.1)	Needle-flame test (10 s)	See Test Table 3.15 (13.3.1)	N/A
3.15 (13.3.2)	Glow-wire test (650°C)	See Test Table 3.15 (13.3.2)	P
3.15 (13.4)	Proof tracking test (IEC 60112)	See Test Table 3.15 (13.4)	N/A

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Clause	Requirement + Test	Result - Remark	Verdict

3.7 (11.2)	TABLES: Creepage distances and clearances						P	
Table 11.1	Minimum distances (mm) for a.c. (50/60 Hz) sinusoidal voltages							
RMS working voltage (V) not exceeding		50	150	250	500	750	1000	
Creepage distances								
Required basic insulation, PTI ≥ 600		0,6	0,8	1,5	3	4	5,5	
Measured				>3,25				
Required basic insulation, PTI < 600		1,2	1,6	2,5	5	8	10	
Measured								
Required supplementary insulation PTI ≥ 600		-	0,8	1,5	3	4	5,5	
Measured								
Required supplementary insulation PTI < 600		-	1,6	2,5	5	8	10	
Measured								
Required reinforced insulation		-	3,2	5	6	8	11	
Measured								
Clearances								
Required basic insulation		0,2	0,8	1,5	3	4	5,5	
Measured				>1,95				
Required supplementary insulation		-	0,8	1,5	3	4	5,5	
Measured								
Required reinforced insulation		-	1,6	3	6	8	11	
Measured								
Table 11.2	Minimum distances (mm) for non-sinusoidal pulse voltages						N/A	
Rated pulse voltage (peak kV)		2,0	2,5	3,0	4,0	5,0	6,0	8,0
Required clearances		1,0	1,5	2	3	4	5,5	8
Measured								
Rated pulse voltage (peak kV)		10	12	15	20	25	30	40
Required clearances		11	14	18	25	33	40	60
Measured								
Rated pulse voltage (peak kV)		50	60	80	100	-	-	-
Required clearances		75	90	130	170	-	-	-
Measured								

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Clause	Requirement + Test	Result - Remark	Verdict

3.15 (13.2.1)	TABLE: Ball Pressure Test of Thermoplastics				N/A
Allowed impression diameter (mm) :					—
Object/ Part No./ Material		Manufacturer/ trademark	Test temperature (°C)	Impression diameter (mm)	
Supplementary information:					

3.15 (13.3.1)	TABLE: Needle-flame test (IEC 60695-11-5)				N/A
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict
Supplementary information:					

3.15 (13.3.2)	TABLE: Glow-wire test (IEC 60695-2-11)				P
Glow wire temperature :				650°C	—
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict
protector polycarbonate	schreder	4 s	No	0	P
Any flame or glowing of the sample extinguished within 30 s of withdrawing the glow-wire, and any burning or molten drop did not ignite the underlying parts (Yes/No)..... :					yes
Supplementary information:					

3.15 (13.4)	TABLE: Proof tracking test (IEC 60112)				N/A
Test voltage PTI :				175 V	—
Object/ Part No./ Material	Manufacturer/ trademark	Withstand 50 drops without failure on three places or on three specimens			Verdict
Supplementary information:					

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1		TABLE: Critical components information				P
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Internal wiring	A	Helukabel	H05VV-F	3x1,5 mm ²	EN 50525	VDE
Varistor	A	Littelfuse	V275LA40AP (P275L40)	275V AC, 369V DC tc 85°C	IEC 60950	VDE (116895)
Fuse-	A	Littelfuse	.800	T 800mA , 250V	IEC/EN 60127	VDE
Terminal	A	Adels-Contact	500..	450V 0,75-2,5mm ² T100°C	IEC/EN 60998	VDE
LED converter	B	Mean Well Enterprises Co. Ltd	PLD-25-1050	90-295 VAC 127-417V DC 25,2W tc:70°C Vout:35V	IEC/ EN 61347-2-13	ENEC 17
LED converter	B	Mean Well Enterprises Co. Ltd	PLD-16-700	90-295 VAC 127-417V DC 16,8W tc:70°C Vout:35V	IEC/ EN 61347-2-13	ENEC 17
Fuse-holder for miniature cartridge fuse	B	Adels-Contact	503 SI	400V 1,0-2,5mm ² T100°C	IEC/EN 60127	VDE
LED-Module	C	Zollner Elektronik AG	Nichia 219C CW 00-16-725	Max 1050mA 19,2V	IEC/EN 62031	TGM VA EE 36464 SFT-2
LED	C	Nichia	NVSW219 CT	1050mA RG 2 at 500lux RG0	IEC/EN 62471 IEC /TR 62778	See Test Report MA 39-VFA 2016-0209.01/B2

Supplementary information:

¹⁾ 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

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 2	TABLE: Temperature measurements, thermal tests of Section 12		P				
	Type reference :	SKIDO	—				
	Lamp used..... :	00-16-725 (Nichia 219C CW)	—				
	Lamp control gear used..... :	PLD-25-1050	—				
	Mounting position of luminaire :	mast arm mounting	—				
	Supply wattage (W) :	22,3W	—				
	Supply current (A) :	0,105A	—				
	Calculated power factor..... :	0,92	—				
	Table: measured temperatures corrected for ta = 50 °C:		P				
	- abnormal operating mode :	--	—				
	- test 1: rated voltage..... :	240 V	—				
	- test 2: 1,06 times rated voltage or 1,05 times rated wattage :	1,06Un (254,4V)	—				
	- test 3: Load on wiring to socket-outlet, 1,06 times voltage or 1,05 times wattage :	--	—				
	- test 4: 1,1 times rated voltage or 1,05 times rated wattage :	--	—				
	Through wiring or looping-in wiring loaded by a current of A during the test :	--	—				
Temperature measurements, (°C)							
Part	Ambient	Clause 12.4 – normal				Clause 12.5 – abnormal	
		test 1	test 2	test 3	limit	test 4	limit
LED Driver tc	50°C	65°C	N/A	N/A	70°C	N/A	N/A
Internal wiring	50°C	N/A	61°C	N/A	90°C	N/A	N/A
Internal wiring by LED-Module	50°C	N/A	62°C	N/A	90°C	N/A	N/A
external wiring	50°C	N/A	59°C	N/A	75°C	N/A	N/A
screw terminal	50°C	N/A	59°C	N/A	90°C	N/A	N/A
connector by LED Module	50°C	N/A	61°C	N/A	80°C	N/A	N/A
Supplementary information:							

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Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 3	Screw terminals (part of the luminaire)		N/A
(14)	SCREW TERMINALS		N/A
(14.2)	Type of terminal..... :		—
	Rated current (A)..... :		—
(14.3.2.1)	One or more conductors		N/A
(14.3.2.2)	Special preparation		N/A
(14.3.2.3)	Terminal size		N/A
	Cross-sectional area (mm ²)..... :		—
(14.3.3)	Conductor space (mm)..... :		N/A
(14.4)	Mechanical tests		N/A
(14.4.1)	Minimum distance		N/A
(14.4.2)	Cannot slip out		N/A
(14.4.3)	Special preparation		N/A
(14.4.4)	Nominal diameter of thread (metric ISO thread)..... :	M	N/A
	External wiring		N/A
	No soft metal		N/A
(14.4.5)	Corrosion		N/A
(14.4.6)	Nominal diameter of thread (mm)..... :		N/A
	Torque (Nm)..... :		N/A
(14.4.7)	Between metal surfaces		N/A
	Lug terminal		N/A
	Mantle terminal		N/A
	Pull test; pull (N)..... :		N/A
(14.4.8)	Without undue damage		N/A

ANNEX 4	Screwless terminals (part of the luminaire)		N/A
(15)	SCREWLESS TERMINALS		N/A
(15.2)	Type of terminal..... :		—
	Rated current (A)..... :		—
(15.3.1)	Material		N/A
(15.3.2)	Clamping		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
(15.3.3)	Stop		N/A
(15.3.4)	Unprepared conductors		N/A
(15.3.5)	Pressure on insulating material		N/A
(15.3.6)	Clear connection method		N/A
(15.3.7)	Clamping independently		N/A
(15.3.8)	Fixed in position		N/A
(15.3.10)	Conductor size		N/A
	Type of conductor		N/A
(15.5.1)	Terminals internal wiring		N/A
(15.5.1.1)	Pull test spring-type terminals (4 N, 4 samples)		N/A
(15.5.1.2)	Pull test pin or tab terminals (4 N, 4 samples)		N/A
	Insertion force not exceeding 50 N		N/A
(15.5.1.2)	Permanent connections: pull-off test (20 N)		N/A
(15.5.2)	Electrical tests		N/A
	Voltage drop (mV) after 1 h (4 samples)		N/A
	Voltage drop of two inseparable joints		N/A
	Number of cycles:		—
	Voltage drop (mV) after 10th alt. 25th cycle (4 samples)		N/A
	Voltage drop (mV) after 50th alt. 100th cycle (4 samples)		N/A
	After ageing, voltage drop (mV) after 10th alt. 25th cycle (4 samples)		N/A
	After ageing, voltage drop (mV) after 50th alt. 100th cycle (4 samples)		N/A
(15.6)	Terminals external wiring		N/A
	Terminal size and rating		N/A
(15.6.2.1)	Pull test spring-type terminals or welded connections (4 samples); pull (N)		N/A
	Pull test pin or tab terminals (4 samples); pull (N)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

(15.6.3.1)	TABLE: Contact resistance test										N/A
	Voltage drop (mV) after 1 h										—
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)										N/A	
	Voltage drop of two inseparable joints										N/A
	Voltage drop after 10th alt. 25th cycle										N/A
	Max. allowed voltage drop (mV) :										—
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)										N/A	
	Voltage drop after 50th alt. 100th cycle										N/A
	Max. allowed voltage drop (mV) :										—
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)										N/A	
	Continued ageing: voltage drop after 10th alt. 25th cycle										N/A
	Max. allowed voltage drop (mV) :										—
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)										N/A	
	Continued ageing: voltage drop after 50th alt. 100th cycle										N/A
	Max. allowed voltage drop (mV) :										—
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)										N/A	
										N/A	
Supplementary information:											

+

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60598-2-3 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Luminaires Part 2: Particular requirements Section 3: Luminaires for road and street lighting			
Differences according to: EN 60598-2-3:2003 + A1:2011 used in conjunction with EN 60598-1:2015			
Annex Form No.: EU_GD_IEC60598_2_3J Annex Form Originator: OVE Master Annex Form: 2015-02			
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	CENELEC COMMON MODIFICATIONS (EN)	
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3.5 (3)	MARKING		P
3.5 (3.3.101)	For luminaires not supplied with terminal block: Adequate warning on the package		P

3.6 (4)	CONSTRUCTION		P
3.6 (4.11.6)	Electro-mechanical contact systems		N/A

3.10 (5)	EXTERNAL AND INTERNAL WIRING		P
3.10 (5.2.1)	Connecting leads		P
	- without a means for connection to the supply		N/A
	- terminal block specified		N/A
	- relevant information provided		N/A
	- compliance with 4.6, 4.7.1, 4.7.2, 4.10.1, 11.2, 12 and 13.2 of Part 1		N/A
3.10 (5.2.2)	Cables equal to EN 50525		N/A
	Replace table 5.1 – Supply cord		N/A

3.12 (12)	ENDURANCE TESTS AND THERMAL TESTS		P
3.12 (12.4.2c)	Thermal test (normal operation) see footnote c to table 12.2 relating to unsleeved fixed wiring		P

IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)		N/A
(3.3)	DK: power supply cords of class I luminaires with label		N/A
(4.5.1)	DK: socket-outlets		N/A
(5.2.1)	CY, DK, FI, GB: type of plug		N/A

ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)		N/A
(4 & 5)	FR: Shuttered socket-outlets 10/16A		N/A
	FR: Safety requirements for high buildings (Arrêté du 30 décembre 2011 portant règlement de sécurité pour la construction des immeubles de grande hauteur et leur protection contre les risques d'incendie et de panique; Section VIII; Article GH 48, Eclairage) Glow-wire test for outer parts of luminaires:		N/A
	- 850°C for luminaires in stairways and horizontal travel paths		N/A
	- 650°C for indoor luminaires		N/A
	GB: Requirements according to United Kingdom Building Regulation		N/A

Type List

Type	Input current at 230V 50Hz [A]	Luminaire max. power [W]	LED Current [mA]
SKIDO SKID 6L_700mA CW	0,07	15	700
SKIDO SKID 6L_1050mA CW	0,10	23	1050

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Clause	Requirement + Test	Result - Remark	Verdict



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Clause	Requirement + Test	Result - Remark	Verdict



IEC 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict



TEST REPORT SUMMARY

Report Reference No.	TGM-VA EE 36464 ECS
Date of issue	2016-01-21
Tested by (name + signature)	Ing. J. Noori 
Witnessed by (name + signature)	
Approved by (name + signature)	Mag. Thomas THUN 
Supervised by (name + signature)	
Testing Laboratory	Staatliche Versuchsanstalt – TGM / Elektrotechnik und Elektronik
Address	A-1200 Wien, Wexstrasse 19-23
Testing procedure	☒ ENEC/CCA-TL ☐ IECEE-CBTL ☐ TMP ☐ WMT ☐ SMT
Testing location	As above
Address	
Applicant	Schröder SA
Address	1190 Brussels , Belgium , Rue de Lusambo 67
Manufacturer	Tungsrām-Schröder Világítási Berendezések Zrt Tópart 2
Address	2084 Pilisszentivan HUNGARY
Product	Luminaire for road and street lighting
Model/Type reference	SKIDO
Trademark	Schröder SA
Ratings	100-240V, 50/60Hz, Cl.I, IP65, IK08, Ta 50°C
Certification Scheme	☒ ENEC ☐ CCA ☐ Other: _____
Standard(s)	EN 60598-2-3: 2003+A1:2011 used in conjunction with EN 60598-1:2015
☐ The text of the a.m. European Standard was approved by CENELEC under the Unique Acceptance Procedure and is identical with the corresponding IEC Publication. ☒ The text of the a.m. European Standard was approved by CENELEC with agreed common modifications and is <u>not</u> identical with the corresponding IEC Publication.	
This EN test report consists of the following parts: ☒ IEC TRF No. IEC60598_2_3J... : Report Reference No.....: TGM-VA EE 36464 SFT-1 ☒ CENELEC-Addendum Form No. Report Reference No. or Annex No...: See Test Report EU_GD_ IEC60598_2_3J..... : TGM-VA EE 36464 SFT-1	
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