

TEST REPORT IEC 60 598-2-5 / EN 60 598-2-5 Luminaires Part 2: Particular requirements Section Five – Floodlights	
Report reference No.....	WUX250730003S01
Tested by (+ signature).....	Rust He
Approved by (+ signature).....	Tony Bi
Date of issue.....	August 18, 2025
Testing laboratory.....	Shenzhen Wuxiang Testing (Group) Co., Ltd.
Address.....	Building B, Xinbaosheng, No.233, Xixiang Street, Bao' an District, Shenzhen, China.
Applicant.....	FOSHAN JIN HAOTAI LIGHTING ACCESSORIES CO.,LTD
Address.....	Datong Industrial Zone,Qiaobai Road,Xiqiao Town,Nanhai District,Foshan City,Guangdong Province,China
Manufacturer.....	FOSHAN JIN HAOTAI LIGHTING ACCESSORIES CO.,LTD
Address.....	Datong Industrial Zone,Qiaobai Road,Xiqiao Town,Nanhai District,Foshan City,Guangdong Province,China
Factory	FOSHAN JIN HAOTAI LIGHTING ACCESSORIES CO.,LTD
Address.....	Datong Industrial Zone,Qiaobai Road,Xiqiao Town,Nanhai District,Foshan City,Guangdong Province,China
Standard.....	EN IEC 60598-2-5:2015 used in conjunction with EN IEC 60598-1:2021+A11:2022
Test Report Form No.....	EN 60 598-2-5
TRF modified by.....	SBD
Master TRF.....	N/A
Test procedure	SBD
Procedure deviation.....	None
Non-standard test method.....	None
National deviations.....	None
Number of pages (Report).....	29
Number of pages (Attachments).....	5 Pages of Annex I: Photo Documentation



Type of test object..... :	Spot Light
Trademark..... :	N/A
Model and/or type reference..... :	TL0380, TL0390, TL03100, TL0565, TL0575, TL0585
Rating(s)..... :	220-240V

Test item particulars:	
Protection class	Class II
Protection against moisture	/
Supply construction	Plug
Operation mode	Continuous

Possible test case verdicts:	
- test case does not apply to the test object..... :	N/A(Not applicable)
- test object does meet the requirement..... :	P(Pass)
- test object does not meet the requirement..... :	F(Fail)

Testing	
Date of receipt of test item	August 04, 2025
Date(s) of performance of test	August 04, 2025 to August 14, 2025

Attachments:

General remarks:
"(see remark #)" refers to a remark appended to the report.
"(see appended table)" refers to a table appended to the report.
Throughout this report a comma is used as the decimal separator.
The test results presented in this report relate only to the object tested.
This report shall not be reproduced except in full without the written approval of the testing laboratory.
National deviation from Saudi Arab have been taken into account.

General descriptions:

Spot Light, TL0380, TL0390, TL03100, TL0565, TL0575, TL0585
220V-240V

Copy of marking plate:

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****Modified History****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	August 14, 2025	Rust He
Revision 2.0	All test data refer to the original report WUX250730003S. Report information on the applicant, manufacturer and factory.	August 18, 2025	Rust He

5.1 (0)	SCOPE	
5.1 (0.1)	More sections applicable..... : Yes [] No [x]	—

5.4 (2)	CLASSIFICATION	
5.4 (2.2)	Type of protection..... : Class II	—
5.4 (2.3)	Degree of protection..... : /	—
5.4 (2.4)	Portable or handheld luminaire : No	—
	Fixed luminaire suitable for normally flammable surfaces..... : Yes	—
	Fixed luminaire suitable for non-combustible materials only : No	—
5.4 (2.5)	Luminaire for normal use : Yes	—
	Luminaire for rough service : No	—

5.5 (3)	MARKING		P
5.5 (3.2)	Mandatory markings	Please refer to the rating label	P
	Position of the marking	On main part	P
	Format of symbols/text		P
5.5 (3.3)	Additional information		P
	Language of instructions	English	P
5.5 (3.3.1)	Combination luminaries		N/A
5.5 (3.3.2)	Nominal frequency in Hz	50 Hz	N/A
5.5 (3.3.3)	Operating temperature		N/A
5.5 (3.3.4)	Symbol or warning notice		N/A
5.5 (3.3.5)	Wiring diagram		N/A
5.5 (3.3.6)	Special conditions		N/A
5.5 (3.3.7)	Metal halide lamp luminaire – warning		N/A
5.5 (3.3.8)	Limitation for semi-luminaires	No such luminaries	N/A
5.5 (3.3.9)	Power factor and supply current		N/A
5.5 (3.3.10)	Suitability for use indoors		N/A
5.5 (3.3.11)	Luminaires with remote control	No using remote control gear	N/A
5.5 (3.3.12)	Clip-mounted luminaire - warning	Luminaries not for clip-mounted	N/A
5.5 (3.3.13)	Specifications of protective shields		N/A
5.5 (3.3.14)	Symbol for nature of supply	~	P

5.5 (3.3.15)	Rated current of socket outlet	No socket outlet incorporated in the luminaire	N/A
5.5 (3.3.16)	Rough service luminaire		N/A
5.5 (3.3.17)	Mounting instruction for type Y, type Z and some type X attachments	Type Y	P
4.5 (3.3.18)	Non-ordinary luminaires with PVC cable	Not provided with PVC non-detachable cable	P
5.5 (3.4)	Test with water	Rubbing with water for 15 s	P
	Test with hexane	Rubbing with petroleum spirit for 15 s	P
	Legible after test	Still legible	P
	Label attached	No curling	P

5.6 (4)	CONSTRUCTION		P
5.6.1 (-)	At least IPX3	IPX4	P
5.6.2 (-)	Lampholder brackets		P
5.6.3 (-)	Adjusting means	Not provided alternative size of lamps or light centre position	N/A
5.6.4 (-)	Controlling components		P
5.6.5 (-)	Fixing device	Mounting height>3m	N/A
	Wind force test		P
5.6.6 (-)	Locking system	Positioned by bolt	P
5.6.7 (-)	Vibration resistance		P
5.6.8 (-)	Glass cover		P
5.6 (4.2)	Components replaceable without difficulty	Lamp bulb can be replaced easily.	P
5.6 (4.3)	Wireways smooth and free from sharp edges		P
5.6 (4.4)	Lampholders		P
5.6 (4.4.1)	Integral lampholder		N/A
5.6 (4.4.2)	Wiring connection		N/A
5.6 (4.4.3)	Lampholder for end-to-end mounting		N/A
5.6 (4.4.4)	Positioning		N/A
5.6 (4.4.5)	Peak pulse voltage		N/A
5.6 (4.4.6)	Centre contact		N/A
5.6 (4.4.7)	Rough service luminaires		N/A
5.6 (4.4.8)	Lamp connectors		N/A
5.6 (4.5)	Starter holders		N/A

	Starter holder in luminaires other than class II		N/A
	Starter holder class II construction		N/A
5.6 (4.6)	Terminal blocks		P
	Tails		N/A
	Unsecured blocks		N/A
5.6 (4.7)	Terminals and supply connections		P
5.6 (4.7.1)	Contact to metal parts	Floodlight not intend to adjust frequently	P
5.6 (4.7.2)	Test 8 mm live conductor		P
	Test 8 mm earth conductor		P
5.6 (4.7.3)	Terminals for supply conductors		P
5.6 (4.7.4)	Terminals other than supply connection		N/A
5.6 (4.7.5)	Heat-resistant wiring/sleeves		P
5.6 (4.7.6)	Multi-pole plug		N/A
5.6 (4.8)	Switches:	no switch	N/A
	- adequate rating		N/A
	- adequate fixing		N/A
	- polarized supply		N/A
5.6 (4.9)	Insulating lining and sleeves		P
5.6 (4.9.1)	Retainment		P
	Method of fixing.....:	Limit position of two ends of tubing	P
5.6 (4.9.2)	Insulated linings and sleeves	class I luminarire	N/A
	a) & c) Insulation resistance and electric strength	N/A	N/A
	b) Ageing test. Temperature (°C).....:	N/A	N/A
5.6 (4.10)	Insulation of Class II luminaries		P
5.6 (4.10.1)	No contact, mounting surface – accessible metal parts - wiring of basic insulation		P
	Safe installation fixed luminaires		P
	Capacitors		N/A
	Interference suppression capacitors according to IEC 60384-14		N/A
5.6 (4.10.2)	Assembly gaps:		N/A
	- not coincidental		N/A
	- no straight access with test probe		N/A
5.6 (4.10.3)	Retainment of insulation:		N/A

	- fixed		N/A
	- unable to be replaced; luminaire inoperative		N/A
	- sleeves retained in position		N/A
	- lining in lampholder		N/A
5.6 (4.11)	Electrical connections		P
5.6 (4.11.1)	Contact pressure		P
5.6 (4.11.2)	Screws:		P
	- self-tapping screws		N/A
	- thread-cutting screws		N/A
	- at least two self-tapping screws		N/A
5.6 (4.11.3)	Screw locking:		P
	- spring washer		P
	- rivets		N/A
5.6 (4.11.4)	Material of current-carrying parts		P
5.6 (4.11.5)	No contact to wood		P
5.6 (4.11.6)	Electro-mechanical contact systems		N/A
5.6 (4.12)	Mechanical connections and glands		P
5.6 (4.12.1)	Screws not made of soft metal		P
	Screws of insulating material		P
	Torque test: torque (Nm); part..... : 2,0Nm;screw for mounting lamp cover		P
	Torque test: torque (Nm); part..... : 0,5Nm;screw for fixing cord anchorage		P
	Torque test: torque (Nm); part..... : 0,8Nm, screw for fixing wiring compartment cover		P
5.6 (4.12.2)	Screws with diameter < 3 mm screwed into metal	No this screws.	N/A
5.6 (4.12.4)	Locked connections:		P
	- fixed arms; torque (Nm)..... : No using fixed arm		N/A
	- lampholder; torque (Nm)..... :		N/A
	- push-button switches; torque 0,8 Nm..... :		N/A
5.6 (4.12.5)	Screwed glands; force (N)..... : Diameter: 19.4mm; 20Nm		P

5.6 (4.13)	Mechanical strength		P
5.6 (4.13.1)	Impact tests:		P
	- fragile parts; energy (Nm).....:		N/A
	- other parts; energy (Nm)..... :	Lamp base; 0,70 Nm	P
	1) live parts		P
	2) linings		P
	3) protection		P
	4) covers		P
5.6 (4.13.3)	Straight test finger		P
5.6 (4.13.4)	Rough service luminaires		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
5.6 (4.13.6)	Tumbling barrel	No transformer and ballast	N/A
5.6 (4.14)	Suspensions and adjusting devices		P
5.6 (4.14.1)	Mechanical load:		
	A) four times the weight		P
	B) torque 2,5 Nm		P
	C) bracket arm; bending moment (Nm).....:	1,0Nm; 1 min	P
	D) load track-mounted luminaires		N/A
	E) clip-mounted luminaires, glass-shelve. Thickness (mm).....:		N/A
	metal rod. Diameter (mm).....:		N/A
5.6 (4.14.2)	Load to flexible cables		N/A
	Mass (kg).....:		N/A
	Stress in conductors (N/mm ²).....:		N/A
5.6 (4.14.3)	Adjusting devices:		
	- flexing test; number of cycles..... :	Adjustable arm; 45 cycles	P
	- strands broken		P
	- electric strength test afterwards		P

5.6 (4.14.4)	Telescopic tubes: cords not fixed to tube; no strain on conductors		N/A
5.6 (4.14.5)	Guide pulleys		N/A
5.6 (4.14.6)	Strain on socket-outlets	Not plug-ballast/transformers or mains socket-outlet-mounted luminaires	N/A
5.6 (4.15)	Flammable materials:		P
	- glow-wire test 650 °C	Wiring compartment cover; Wiring compartment; Gland; Gasket of lamp cover; rubber washer; terminal block.	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
5.6 (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
5.6 (4.16)	Luminaires marked with F-symbol		P
	No lamp control gear	(compliance with Section 12)	P
5.6 (4.16.1)	Lamp control gear spacing:		N/A
	- spacing 35 mm		N/A
	- spacing 10 mm		N/A
5.6 (4.16.2)	Thermal protection:		N/A
	- in lamp control gear		N/A
	- external		N/A
	- fixed position		N/A
	- temperature marked lamp control gear		N/A
5.6 (4.16.3)	"F" curve measured	(see 12.6)	N/A
5.6 (4.17)	Drain holes		N/A
	Clearance at least 5 mm		N/A
5.6 (4.18)	Resistance to corrosion:		P

5.6 (4.18.1)	- rust-resistance		P
5.6 (4.18.2)	- season cracking in copper		N/A
5.6 (4.18.3)	- corrosion of aluminium	Lamp reflector	P
5.6 (4.19)	Ignitors compatible with ballast	No using ignitor	N/A
5.6 (4.20)	Rough service vibration		N/A
5.6 (4.21)	Protective shield:		P
5.6 (4.21.1)	Shield fitted		P
5.6 (4.21.2)	Particles from a shattering lamp not impair safety		P
5.6 (4.21.3)	No direct path		P
5.6 (4.21.4)	Impact test on shield		N/A
	Glow-wire test on lamp compartment		P
5.6 (4.22)	Attachments to lamps	No attachment to lamp provided	P
5.6 (4.23)	Semi-luminaires comply class II	Not semi-luminaires	N/A
5.6 (4.24)	UV radiation, metal halide lamps		P
5.6 (4.25)	No sharp point or edges		P
5.6 (4.26)	Short-circuit protection:		N/A
5.6 (4.26.1)	Uninsulated accessible SELV parts		N/A
5.6 (4.26.2)	Short-circuit test		N/A
5.6 (4.26.3)	Test chain according to IEC 61032		N/A

5.7 (11)	CREEPAGE DISTANCES AND CLEARANCES		—
	Working voltage (V)..... :	100-240V	—
	Voltage form	Sinusoidal [X] Non-sinusoidal []	—
	PTI	< 600 [X] ≥ 600 []	—
	Rated pulse voltage (kV)..... :	N/A	—
	(1) Current-carrying parts of different polarity: cr (mm); cl (mm)..... :	Different polarity at terminal block: Cr/Cl: 0.5mm/10,5mm Limited: 2,5/mm1,7mm	P

	(2) Current-carrying parts and accessible parts: cr (mm); cl (mm)..... :	B/W live part in terminal block and accessible parts: Cr: 10,5mm/Cl: 10,5mm Limited: 2,5mm/1,7mm B/W live part in lamphoder and accessible parts: Cr: 9,3mm/Cl: 8,2mm Limited: 2,5mm/1,7mm	P
	(3) Parts becoming live due to breakdown of basic insulation and metal parts: cr (mm); cl (mm)..... :		N/A
	(4) Outer surface of cable where it is clamped and metal parts: cr (mm); cl (mm)..... :		N/A
	(5) Current-carrying parts of switches and metal parts, after removal of insulation: cr (mm); cl (mm)..... :		N/A
	(6) Current-carrying parts and supporting surface: cr (mm); cl (mm)..... :	Same as above (2)	P

5.8 (7)	PROVISION FOR EARTHING		P
5.8 (7.2.1 + 7.2.3)	Accessible metal parts		P
	Metal parts in contact with supporting surface		P
	Resistance < 0,5 Ω	Max.: 0,044 Ω	P
	Two self-tapping screws used	Not use self-tapping screws	N/A
	Thread-forming screws	Not usesuch screws	N/A
	Connector earthing first	Not use connection device	N/A
5.8 (7.2.2 + 7.2.3)	Earth continuity in joints etc.		P
5.8 (7.2.4)	Locking of clamping means	Resillend parts in pillar screw terminal	P
	Compliance with 4.7.3		P
5.8 (7.2.5)	Earth terminal integral part of connector socket	Not provided connector socket	N/A
5.8 (7.2.6)	Earth terminal adjacent to mains terminals		N/A
5.8 (7.2.7)	Electrolytic corrosion of the earth terminal		N/A
5.8 (7.2.8)	Material of earth terminal		N/A
	Contact surface bare metal		N/A
5.8 (7.2.10)	Class II luminaire for looping-in	Class II luminaire	P
5.8 (7.2.11)	Earthing core coloured green-yellow		N/A
	Length of earth conductor		N/A

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

5.9 (15)	SCREWLESS TERMINALS		P
	Separately approved; component list	(see Annex 1)	P
	Part of the luminaire	(see Annex 4)	N/A

5.10 (5)	1.1 EXTERNAL AND INTERNAL WIRING		P
5.10 (5.2)	Supply connection and external wiring		P
5.10 (5.2.1)	Means of connection..... :	Non-detachable flexible cables or cords	P
5.10 (5.2.2)	Type of cable..... :	H05RN-F	P
	Nominal cross-sectional area (mm ²)..... :	1,0 mm ²	P
5.10 (5.2.3)	Type of attachment, X, Y or Z	X attachment	P
5.10 (5.2.5)	Type Z not connected to screws		N/A
5.10 (5.2.6)	Cable entries:		P
	- suitable for introduction		P
	- adequate degree of protection		P
5.10 (5.2.7)	Cable entries through rigid material have rounded edges		P
5.10 (5.2.8)	Insulating bushings:		N/A
	- suitably fixed		N/A
	- material in bushings		N/A
	- tubes or guards made of insulating material		N/A
5.10 (5.2.9)	Locking of screwed bushings		P
5.10 (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
5.10 (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	Philip drivers	P
	Glands not used as anchorage		P
	Labyrinth type anchorages		N/A
5.10 (5.2.10.2)	Adequate cord anchorage for type Y and type Z attachment		N/A
5.10 (5.2.10.3)	Tests:		P
	- impossible to push cable; unsafe		P
	- pull test: 25 times; pull (N).....:	60N	P
	- torque test: torque (Nm).....:	0,15 Nm	P
	- displacement ≤ 2 mm		P
	- no movement of conductors		P
	- no damage of cable or cord		P
5.10 (5.2.11)	External wiring passing into luminaire	External wiring not pass into the luminaire	N/A
5.10 (5.2.12)	Looping- in terminals		N/A
5.10 (5.2.13)	Wire ends not tinned		P
	Wire ends tinned: no cold flow		N/A
5.10 (5.2.14)	Mains plug same protection		P
	Class III luminaire plug		N/A
5.10 (5.2.15)	Colour code low voltage		N/A
5.10 (5.2.16)	Appliance inlets (IEC 60320)		P
	Appliance couplers of class II type		P
5.10 (5.3)	Internal wiring		—
5.10 (5.3.1)	Internal wiring of suitable size and type		—

	Through wiring		—
	- 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		P
5.10 (5.3.1.1)	Internal wiring connected directly to fixed wiring		—
	Cross-sectional area (mm ²).....:	0,81 mm ² (18 AWG)	—
	Insulation thickness	0,5mm ²	—
	Extra insulation added where necessary		P
5.10 (5.3.1.2)	Internal wiring connected to fixed wiring via internal current-limiting device		N/A
	Adequate cross-sectional area and insulation thickness		N/A
5.10 (5.3.1.3)	Double or reinforced insulation for class II		P
5.10 (5.3.1.4)	Conductors without insulation		N/A
5.10 (5.3.1.5)	SELV current-carrying parts		P
5.10 (5.3.1.6)	Insulation thickness other than PVC or rubber		N/A
5.10 (5.3.2)	Sharp edges etc.		P
	No moving parts of switches etc.		N/A
	Joints, raising/lowering devices		P
	Telescopic tubes etc.		N/A
	No twisting over 360°		P
5.10 (5.3.3)	Openings		N/A
	Bushings not removable		N/A
	Bushings in sharp openings		N/A
	Cables with protective sheath		N/A
5.10 (5.3.4)	Joints and junctions effectively insulated		N/A
5.10 (5.3.5)	Strain on internal wiring		N/A
5.10 (5.3.6)	Wire carriers		N/A
5.10 (5.3.7)	Wire ends not tinned		P
	Wire ends tinned: no cold flow		N/A

5.11 (8)	PROTECTION AGAINST ELECTRIC SHOCK		—
5.11 (8.2.1)	Live parts not accessible		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
5.11 (8.2.2)	Portable luminaire adjusted in most unfavourable position		N/A
5.11 (8.2.3)	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		P
	- glass protective shields not used as supplementary insulation		N/A
	Class I luminaire with BC lampholder		N/A
5.11 (8.2.4)	Portable luminaire:		N/A
	- protection independent of supporting surface		N/A
	- terminal block completely covered		N/A
5.11 (8.2.6)	Covers reliably secured		P
5.11 (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

5.12 (12)	ENDURANCE TEST AND THERMAL TEST		—
5.12 (12.3)	Endurance test:		
	- mounting- position.....:	Mounted in vertical wall surface according installation instruction sheet	—
	- test temperature (°C).....:	35°C	—
	- total duration (h).....:	240 h	—
	- supply voltage: Un factor; calculated voltage (V)	241.5V	—

	- lamp used.....:		—
5.12 (12.3.2)	After endurance test:		
	- no part unserviceable		P
	- luminaire not unsafe		P
	- no damage to track system		P
	- marking legible		P
	- no cracks, deformation etc.		P
5.12 (12.4)	Thermal test (normal operation)	(see Annex 2)	P
5.12.1 (-)	Temperature reduction		-
5.12 (12.5)	Thermal test (abnormal operation)	(see Annex 2)	N/A
5.12 (12.6)	Thermal test (failed lamp control gear condition):		N/A
5.12 (12.6.1)	- 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
5.12 (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
5.12 (12.7)	Thermal test (failed lamp control gear in plastic luminaires):		N/A
	- case of abnormal conditions.....:		—
5.12 (12.7.1)	- measured winding temperature (°C) at 1,1 Un. :		—
	- measured temperature of fixing point/ exposed part (°C) at 1,1 Un.....:		N/A
	- calculated temperature of fixing point/ exposed part (°C)		N/A
5.12 (12.7.2)	Temperature sensing control		N/A

	- thermal link		N/A
	- manual reset cut-out		N/A
	- auto reset cut-out		N/A
	- measured temperature of fixing point/ exposed part (°C)		N/A

5.13 (9)	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		P
5.13 (9.2)	Tests for ingress of dust, solid objects and moisture:		P
	- classification according to IP		—
	- mounting position during test.....	As normal use, placed in most favourable position.	—
	- fixing screws tightened; torque (Nm).....	Screw for fixing glass, M5; 1,3Nm Screw for fixing wiring compartment cover; 0,8Nm	—
	- tests according to clauses.....		—
	- electric strength test afterwards		P
	a) no deposit in dust-proof luminaire		N/A
	b) no talcum in dust-tight luminaire		N/A
	c) no trace of water on current-carrying parts or where it could become a hazard		P
	d) i) For luminaires without drain holes – no water entry		P
	d) ii) For luminaires with drain holes – no hazardous water entry	Luminaire without drain holes	N/A
	e) no water in watertight luminaire		N/A
	f) no contact with live parts (IP 2X)		N/A
	f) no entry into enclosure (IP 3X and IP 4X)		P
5.13 (9.3)	Humidity test 48 h	25°C; 93%	P

5.14 (10)	INSULATION RESISTANCE AND ELECTRIC STRENGTH		P
5.14 (10.2.1)	Insulation resistance test		P
	Insulation resistance (MΩ):		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
	Other than SELV:		P
	- between live parts of different polarity..... :	2x10 ³ MΩ (limit: 2MΩ)	P
	- between live parts and mounting surface..... :	8x10 ³ MΩ (limit: 2MΩ)	P
	- between live parts and metal parts..... :	4x10 ³ MΩ (limit: 2MΩ)	P
	- between live parts of different polarity through action of a switch..... :		N/A
5.14 (10.2.2)	Electric strength test		P
	Dummy lamp	<i>Not using dummy lamp</i>	N/A
	Luminaires with ignitors after 24 h test	Luminaires without ignitors	N/A
	Luminaires with manual ignitors		N/A
	Test voltage (V):		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
	Other than SELV:		P
	- between live parts of different polarity..... :	1460V, 1 min	P
	- between live parts and mounting surface..... :	1460V, 1 min	P
	- between live parts and metal parts..... :	1460V, 1 min	P
	- between live parts of different polarity through action of a switch..... :		N/A
5.14 (10.3.1)	Leakage current (mA)..... :	Between each pole of the supply source and the body of the luminaire: ≤0,05 mA(limit: 0,5 mA)	P

5.15 (13)	RESISTANCE TO HEAT, FIRE AND TRACKING		P
5.15 (13.2.1)	Ball-pressure test:		P
	- part tested; temperature (°C)..... :	Wiring compartment; 130.5°C	P
	- part tested; temperature (°C)..... :	Wiring compartment cover; 130.5°C	P
	- part tested; temperature (°C)..... :	Approved plug; 125°C	

	- part tested; temperature (°C).....:	Approved terminal block; 135°C	P
	- part tested; temperature (°C).....:	Wiring compartment; 75°C	P
	- part tested; temperature (°C).....:	Wiring compartment cover; 75°C	P
5.15 (13.3.1)	Needle flame test (10 s):		P
	- part tested.....:	Approved plug	N/A
5.15 (13.3.2)	Glow-wire test (650°C):		P
	- part tested.....:	Wiring compartment	P
	- part tested.....:	Wiring compartment cover	N/A
5.15 (13.4.1)	Tracking test: part tested.....:		N/A

	COMMON MODIFICATIONS		
(3.3.101 + 5.2.1)	For luminaires connected by tails, information about terminal block	Terminal block provided	N/A
(5.2.2)	Cables equal to HD 21 S2 or HD 22 S2	H05RN-F	P
(5.2.15)	Colour code low voltage		N/A

ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS		
(2.2)	Class 0 not accepted	Not class 0 luminaires	P
(3.3)	DK: power supply cord with label		N/A
	IT: warning label on Class 0 luminaire		N/A
(4.5.1)	DK: socket-outlets		N/A
(4.5.1)	FR: socket-outlets		N/A
(5.2.1)	DK, FI, SE, GB: type of plug		P

ZC	1.2 ANNEX ZC, NATIONAL DEVIATIONS		P
(13.3)	DK: Needle flame test or glow-wire test 750°C for luminaires in access routes		N/A
(13.3)	GB: Requirements according to United Kingdom Building Regulation		N/A
(13.3.2)	FR: Glow-wire test 850°C alt. 750°C for luminaires in premises open to public and workers		N/A

		ANNEX 1: components					N/A				
object/part No.	Code	manufacturer/ trademark		type/model	technical data	standard		Mark(s) of conformity			
No.	mark of conformity		No.	mark of conformity		No.	Mark of conformity		No.	mark of conformity	
1			2	VDE		3	SEV		4	ÖVE	
5	DEMKO		6	SEMKO		7	NEMKO		8	FIMKO	
9	BSI		10	UL		11	CSA		12	LCIE	
13	IMQ		14	BNL		15	CEBEC		16	KEMA	
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											

ANNEX 2: temperature measurements, thermal tests of Section 12			P
Type reference.....	:	Spot Light	—
Lamp used.....	:		—
Lamp control gear used.....	:	N/A	—
Mounting position of luminaire.....	:	As in normal use	—
Supply wattage (W).....	:		—
Supply current (A).....	:		—
Calculated power factor.....	:	N/A	—
Table: measured temperatures corrected for $t_a = 25\text{ °C}$:			
- abnormal operating mode.....	:	N/A	—
- test 1: rated voltage.....	:	N/A	—
- test 2: 1,06 times rated voltage or 1,05 times rated wattage.....	:	1, 05 times rated wattage; 252.0V	—
- test 3: Load on wiring to socket-outlet, 1,06 times voltage or 1,05 times wattage.....	:	N/A	—
- test 4: 1,1 times rated voltage or 1,05 times rated wattage.....	:	N/A	—

Temperature (°C) of part	clause 12.4 – normal				clause 12.5 – abnormal	
	test 1	test 2	test 3	limits	test 4	limit
Plug	N/A	38,0	N/A	75	N/A	N/A
Wire near plug	N/A	35,5	N/A	90	N/A	N/A
Terminal block	N/A	100,4	N/A	110	N/A	N/A
Wire near terminal block	N/A	85,0	N/A	90	N/A	N/A
Bifurcation	N/A	88,7	N/A	90	N/A	N/A
Internal wire	N/A	80,6	N/A	90	N/A	N/A
Inner surface of wiring compartment	N/A	105,5	N/A	120	N/A	N/A
Lampholder contact	N/A	205,0	N/A	250	N/A	N/A
Lampholder lead wire	N/A	167,9	N/A	180	N/A	N/A
Earthing connection wire	N/A	59,9	N/A	180	N/A	N/A
Power Cord at anchorage	N/A	51,2	N/A	75	N/A	N/A
Terminal for fixing earthing	N/A	193,4	N/A	250	N/A	N/A
Lighting surface (Object lighted by floodlight; D=0,5mm)	N/A	87,1	N/A	90	N/A	N/A
Ambient	N/A	-	N/A	-	N/A	N/A
Mounting surface of flood light fixing	N/A	55,2	N/A	90	N/A	N/A
Mounting surface on top of flood light	N/A	31,2	N/A	90	N/A	N/A
Mounting surface where beam is (D=0,7m)	N/A	57,8	N/A	90	N/A	N/A

	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)..... :		N/A
(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) :		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
(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
(15.5.2)	Permanent connections: pull-off test (20 N)		N/A
(15.6)	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
(15.7)	Terminals external wiring										N/A
	Terminal size and rating										N/A
(15.8.1)	Pull test spring-type terminals (4 samples); pull (N)										N/A
	Pull test pin or tab terminals (4 samples); pull (N)										N/A
(15.9)	Contact resistance test										N/A
	Voltage drop (mV) after 1 h										N/A
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)											
	Voltage drop of two inseparable joints										
	Voltage drop after 10th alt. 25th cycle										
	Max. allowed voltage drop (mV).....:									—	
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)											
	Voltage drop after 50th alt. 100th cycle										
	Max. allowed voltage drop (mV).....:									—	
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)											
	Continued ageing: voltage drop after 10th alt. 25th cycle										
	Max. allowed voltage drop (mV).....:									—	
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)											
	Continued ageing: voltage drop after 50th alt. 100th cycle										
	Max. allowed voltage drop (mV).....:									—	
terminal	1	2	3	4	5	6	7	8	9	10	
voltage drop (mV)											

Photo Documentation

Type of equipment, model: Spot Light, TL0380, TL0390, TL03100, TL0565, TL0575, TL0585

Details of: Spot Light, TL0380

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0380

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0390

View:

☒ general

☐ front

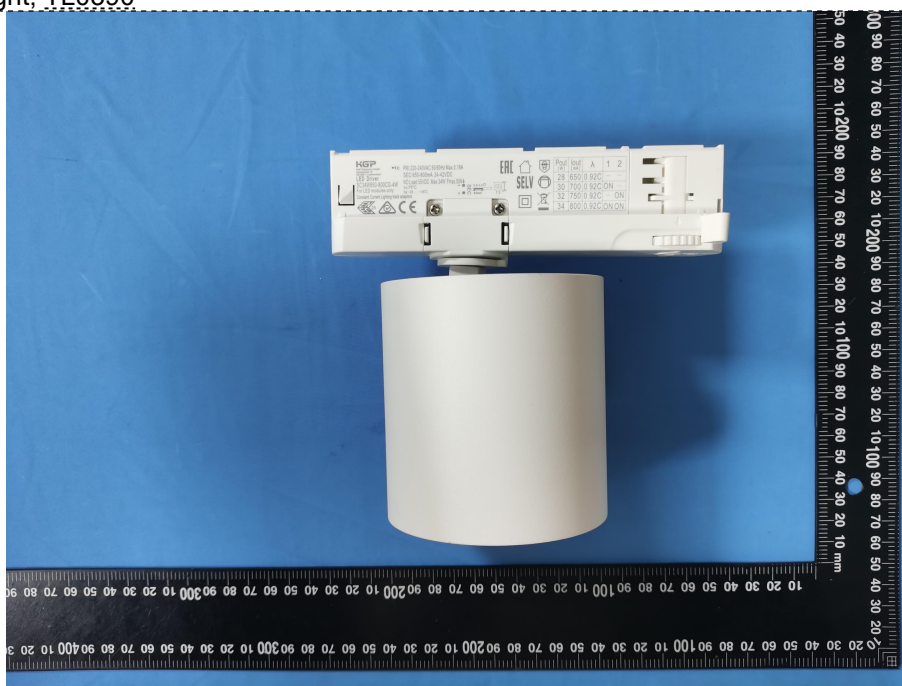
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0390

View:

☒ general

☐ front

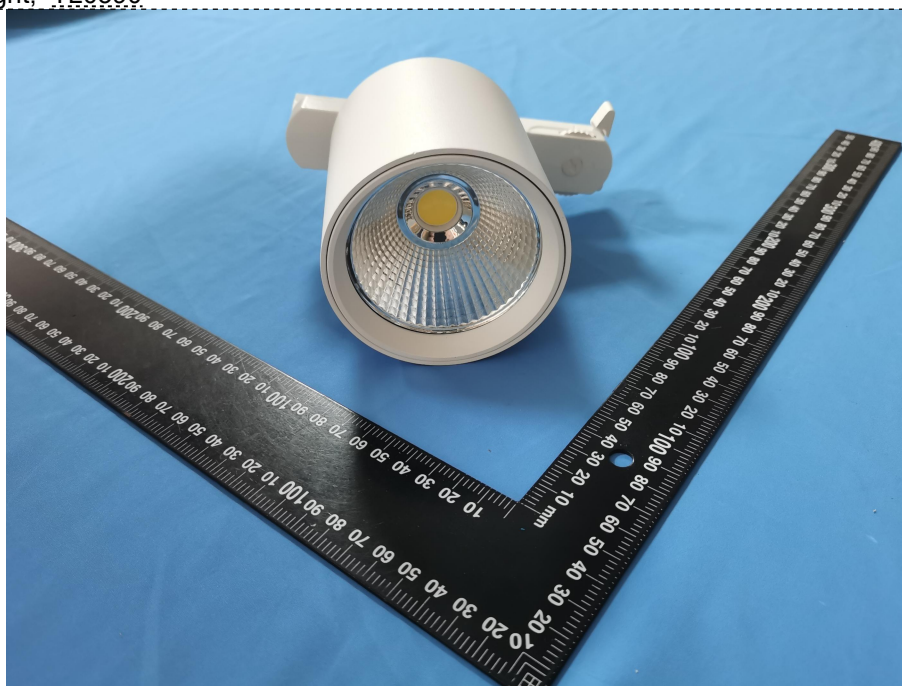
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL03100

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL03100

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0565

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0565

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0575

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0575

View:

☒ general

☐ front

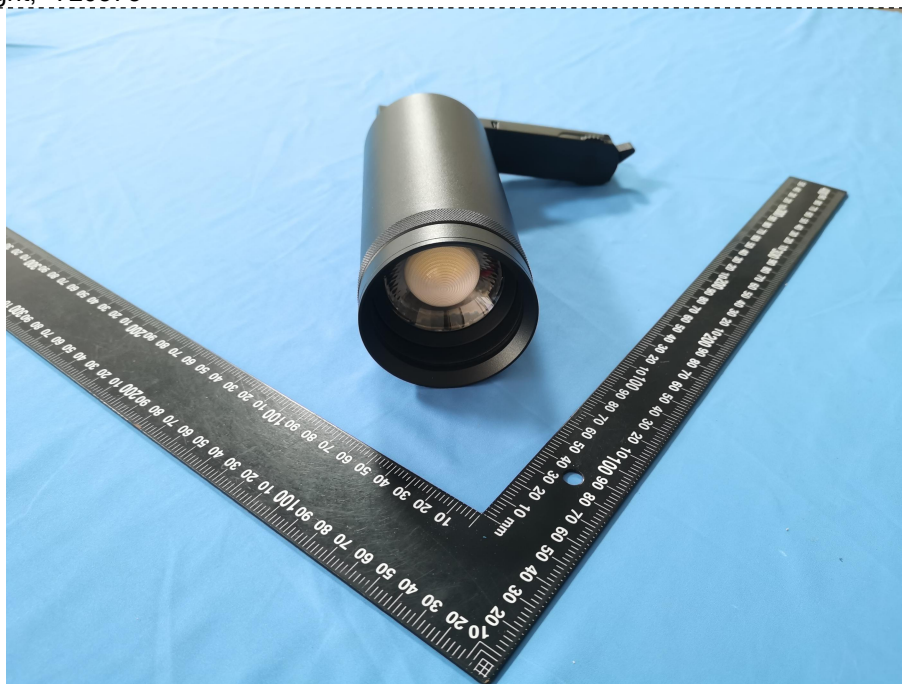
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0585

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Spot Light, TL0585

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



--- End of Test Report ---