TEST REPORT

Applicant's Name	:	FOSHAN KAICHENG LIGHTING CO., LTD
Address	:	No.16 Xingye West Road, Shishan Town, Nanhai District, Foshan, 528000 Guangdong, P.R. China
Product Name	:	LED floodlight
Trade Mark	:	N/A
Model(s)	:	EK05-EC 30W
Testing Laboratory	:	Shenzhen DACE Testing Technology Co., Ltd.
Address	:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Test Date	:	Jun. 23, 2025 - Nov. 24, 2025
Date of Report	:	Nov. 29, 2025
Report No.	:	DACE251119023RL001

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Revision History Of Report

Version	Description	REPORT No.	Modified information
A0	Original	DACE251119023RL001	None

TEST REPORT

000009845

Reference No.:	DACE251119023RL001
Compiled by (name + signature):	Parker Chen
Approved by (name + signature):	Calvin Chen
Date of issue:	Nov. 29, 2025

Testing laboratory

Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Testing location:	Same as above

Client

Name:	FOSHAN KAICHENG LIGHTING CO., LTD
Address:	No.16 Xingye West Road, Shishan Town, Nanhai District, Foshan, 528000 Guangdong, P.R. China

Test specification

Standard:	EU 2019/2020 EU 2019/2015 EU 2021/340
Test procedure:	COMMISSION REGULATION (EU) 2019/2020 of 1 October 2019 laying down ecodesign requirements for light sources and separate control gears pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulations (EC) No 244/2009, (EC) No 245/2009 and (EU) No 1194/2012
Test Report Form No.:	EU2019A
Master TRF:	2022-10

Test item

Product Name:	LED floodlight
Trade Mark:	N/A
Model(s):	EK05-EC 30W
Manufacturer's name:	FOSHAN KAICHENG LIGHTING CO., LTD
Address:	No.16 Xingye West Road, Shishan Town, Nanhai District, Foshan, 528000 Guangdong, P.R. China

TEST Standard	
Measured parameter	**Reference**
Lumen	IEC62717:2014+A1:2015+A2:2019
Lamp efficacy, luminous efficacy	IEC62717:2014+A1:2015+A2:2019.
Lamp survival factor	IEC62717:2014+A1:2015+A2:2019
Lumen maintenance	IEC62717:2014+A1:2015+A2:2019
Chromaticity coordinates	EN13032-4:2015
Colour consistency	IEC62717:2014+A1:2015+A2:2019
CCT	EN13032-4:2015
CRI	EN13032-4:2015
Lamp dimensions	IEC62717:2014+A1:2015+A2:2019
Dimmability	IEC62717:2014+A1:2015+A2:2019
Beam angle	IEC62717:2014+A1:2015+A2:2019, IEC/TR 61341-2010
Peak intensity	IEC62717:2014+A1:2015+A2:2019, IEC/TR 61341-2010
Cone lumen	L2(AP)005

Test item particulars:	
Model name..... :	EK05-EC 30W
Lighting type..... :	☒ directional ☐ non-directional
Rated voltage and frequency..... :	220-240VAC 50/60Hz
Rated wattage..... :	30W
Lamp cap..... :	N/A
Nominal luminous flux Φ..... :	6500K: 2490lm 4500K: 2590lm 3000K: 2510lm
Useful luminous flux (Φuse) ..... :	6500K: 2241lm 4500K: 2331lm 3000K: 2259lm
Declared ηTM (lm/W)..... :	6500K: 98lm/W 4500K: 101lm/W 3000K: 98lm/W
Declared Colour rendering (CRI)..... :	80
Declared Displacement factor for LED and OLED MLS(DF)..... :	0.90
Declared Lumen maintenance factor for LED and OLE..... :	96.00%
Declared Survival factor for LED and OLED. :	90.00%
Declared colour consistency for LED and OLED ..... :	6
Declared beam angle for DLS..... :	110
Declared lamp life..... :	36000h
Declared color temperature ..... :	6500K/4500K/3000K
Declared Flicker for LED and OLED MLS..... :	1.0
Declared Stroboscopic effect for LED and OLED MLS..... :	0.4
Test case verdicts	
Test case does not apply to the test object... :	N/A
Test item does meet the requirement..... :	P(ass)
Test item does not meet the requirement..... :	F(ail)
Testing	
Date of receipt of test item ..... :	Jun. 23, 2025
Date(s) of performance of test..... :	Jun. 23, 2025 - Nov. 24, 2025

General remarks:

This test report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

"(see remark #)" refers to a remark appended to the report.

"(see appended table)" refers to a table appended to the report.

Appendix I: Test results--Tabel 1: Initial test results: (6500K)

		Test Result				P
Sample No.	Measured voltage(V)	Measured current (mA)	Measured power(W)	Initial Φuse (lm)	Beam angle (°) for DLS	--
1#	AC230	139	30.10	2512	110	--
2#	AC230	139	30.10	2481	109	--
3#	AC230	138	29.88	2485	110	--
4#	AC230	138	29.88	2455	110	--
5#	AC230	139	30.10	2463	110	--
6#	AC230	139	30.10	2523	109	--
7#	AC230	138	29.88	2505	111	--
8#	AC230	139	30.10	2530	110	--
9#	AC230	139	30.10	2528	110	--
10#	AC230	138	29.88	2464	109	--
Average	**AC230**	**139**	**30.01**	**2495**	**110**	**--**
Sample No.	Colour rendering (CRI)	Displacement factor(DF)	Colour consistency	Flicker(Pst LM)	Stroboscopic effect(SVM)	--
1#	82	0.90	5.9	1.0	0.4	--
2#	81	0.90	6.0	1.0	0.4	--
3#	82	0.90	6.0	1.0	0.4	--
4#	82	0.90	6.0	1.0	0.4	--
5#	81	0.90	5.9	1.0	0.4	--
6#	82	0.90	5.9	1.0	0.4	--
7#	82	0.90	6.0	1.0	0.4	--
8#	82	0.90	6.0	1.0	0.4	--
9#	81	0.90	5.9	1.0	0.4	--
10#	82	0.90	6.0	1.0	0.4	--
Average	**82**	**0.90**	**6.0**	**1.0**	**0.4**	**--**
Required	**CRI≥80**	**DF≥XX**	**SDCM≤6**	**Pst LM≤1,0**	**SVM≤0,4**	--

Tabel 2: Initial test results: (6500K)

		Test Result					P
Sample No.	Initial Φuse (lm)	Efficacy factor (F)	CRI factor (R)	Threshold efficacy (η)	End loss factor (L)	Correction factor (C)	Ponmax
1#	2512	0.85	1.01	120	1.5	1.23	32.46
2#	2481	0.85	1.01	120	1.5	1.23	32.08
3#	2485	0.85	1.01	120	1.5	1.23	32.13
4#	2455	0.85	1.01	120	1.5	1.23	31.76
5#	2463	0.85	1.01	120	1.5	1.23	31.86
6#	2523	0.85	1.01	120	1.5	1.23	32.59
7#	2505	0.85	1.01	120	1.5	1.23	32.37
8#	2530	0.85	1.01	120	1.5	1.23	32.68
9#	2528	0.85	1.01	120	1.5	1.23	32.65
10#	2464	0.85	1.01	120	1.5	1.23	31.87
Average	**2495**	**0.85**	**1.01**	**120**	**1.5**	**1.23**	**32.25**
Factor	N/A	☐ 1.00 for NDLS ☒ 0.85 for DLS	☐ 0.65 for CRI≤25, ☒ (CRI+80)/160 for CRI>25	120.0 for LED	1.5 for LED	☐ NDLS & NMLS: 1.00 ☐ NDLS & MLS: 1.08 ☐ DLS & NMLS: 1.15 ☒ DLS & MLS: 1.23	Pon= Cx(L+ Φuse/(Fx η)xR

Tabel 3: Initial test results for Energy efficiency classes: (6500K)

		Test Result				P
Sample No.	Initial Φuse (lm)	Initial Pon(W)	F_{TM}	ηTM (lm/W)	Test Energy efficiency class	Declare Energy efficiency class
1#	2512	30.10	1.176	98	F	F
2#	2481	30.10	1.176	97	F	F
3#	2485	29.88	1.176	98	F	F
4#	2455	29.88	1.176	97	F	F
5#	2463	30.10	1.176	96	F	F
6#	2523	30.10	1.176	99	F	F
7#	2505	29.88	1.176	99	F	F
8#	2530	30.10	1.176	99	F	F
9#	2528	30.10	1.176	99	F	F
10#	2464	29.88	1.176	97	F	F
Average	**2495**	30.01	**1.176**	**98**	**F**	**F**

Energy efficiency class:

A: 210 ≤ ηTM
B: 185 ≤ ηTM < 210
C: 160 ≤ ηTM < 185
D: 135 ≤ ηTM < 160
E: 110 ≤ ηTM < 135
F: 85 ≤ ηTM < 110
G: ηTM < 85

☐ NDLS & MLS: 1.00
☐ NDLS & NMLS: 0.926
☒ DLS & MLS: 1.176
☐ DLS & NMLS: 1.089

ηTM = (Φuse/Pon) × FTM (lm/W).

Appendix I: Test results--Tabel 1: Initial test results: (4500K)

		Test Result				P
Sample No.	Measured voltage(V)	Measured current (mA)	Measured power(W)	Initial Φuse (lm)	Beam angle (°) for DLS	--
1#	AC230	139	30.18	2610	110	--
2#	AC230	139	30.18	2579	109	--
3#	AC230	138	29.96	2583	110	--
4#	AC230	138	29.96	2553	110	--
5#	AC230	139	30.18	2561	110	--
6#	AC230	139	30.18	2621	109	--
7#	AC230	138	29.96	2603	111	--
8#	AC230	139	30.18	2628	110	--
9#	AC230	139	30.18	2626	110	--
10#	AC230	138	29.96	2562	109	--
Average	**AC230**	**139**	**30.09**	**2593**	**110**	**--**
Sample No.	Colour rendering (CRI)	Displacement factor(DF)	Colour consistency	Flicker(Pst LM)	Stroboscopic effect(SVM)	--
1#	84	0.90	5.9	1.0	0.4	--
2#	85	0.90	6.0	1.0	0.4	--
3#	85	0.90	6.0	1.0	0.4	--
4#	84	0.90	6.0	1.0	0.4	--
5#	85	0.90	5.9	1.0	0.4	--
6#	84	0.90	5.9	1.0	0.4	--
7#	86	0.90	6.0	1.0	0.4	--
8#	84	0.90	6.0	1.0	0.4	--
9#	85	0.90	5.9	1.0	0.4	--
10#	84	0.90	6.0	1.0	0.4	--
Average	**85**	**0.90**	**6.0**	**1.0**	**0.4**	**--**
Required	**CRI≥80**	**DF≥XX**	**SDCM≤6**	**Pst LM≤1,0**	**SVM≤0,4**	--

Tabel 2: Initial test results: (4500K)

		Test Result					P
Sample No.	Initial Φuse (lm)	Efficacy factor (F)	CRI factor (R)	Threshold efficacy (η)	End loss factor (L)	Correction factor (C)	Ponmax
1#	2610	0.85	1.03	120	1.5	1.23	34.32
2#	2579	0.85	1.03	120	1.5	1.23	33.93
3#	2583	0.85	1.03	120	1.5	1.23	33.98
4#	2553	0.85	1.03	120	1.5	1.23	33.61
5#	2561	0.85	1.03	120	1.5	1.23	33.71
6#	2621	0.85	1.03	120	1.5	1.23	34.45
7#	2603	0.85	1.04	120	1.5	1.23	34.56
8#	2628	0.85	1.03	120	1.5	1.23	34.54
9#	2626	0.85	1.03	120	1.5	1.23	34.52
10#	2562	0.85	1.03	120	1.5	1.23	33.72
Average	**2593**	**0.85**	**1.03**	**120**	**1.5**	**1.23**	**34.14**
Factor	N/A	☐ 1.00 for NDLS ☒ 0.85 for DLS	☐ 0.65 for CRI≤25, ☒ (CRI+80)/160 for CRI>25	120.0 for LED	1.5 for LED	☐ NDLS & NMLS: 1.00 ☐ NDLS & MLS: 1.08 ☐ DLS & NMLS: 1.15 ☒ DLS & MLS: 1.23	Pon= Cx(L+ Φuse/(Fx η)xR

Tabel 3: Initial test results for Energy efficiency classes: (4500K)

		Test Result				P
Sample No.	Initial Φuse (lm)	Initial Pon(W)	F_{TM}	ηTM (lm/W)	Test Energy efficiency class	Declare Energy efficiency class
1#	2610	30.18	1.176	102	F	F
2#	2579	30.18	1.176	100	F	F
3#	2583	29.96	1.176	101	F	F
4#	2553	29.96	1.176	100	F	F
5#	2561	30.18	1.176	100	F	F
6#	2621	30.18	1.176	102	F	F
7#	2603	29.96	1.176	102	F	F
8#	2628	30.18	1.176	102	F	F
9#	2626	30.18	1.176	102	F	F
10#	2562	29.96	1.176	101	F	F
Average	**2593**	30.09	**1.176**	**101**	**F**	**F**

Energy efficiency class:

A: 210 ≤ ηTM
B: 185 ≤ ηTM < 210
C: 160 ≤ ηTM < 185
D: 135 ≤ ηTM < 160
E: 110 ≤ ηTM < 135
F: 85 ≤ ηTM < 110
G: ηTM < 85

☐ NDLS & MLS: 1.00
☐ NDLS & NMLS: 0.926
☒ DLS & MLS: 1.176
☐ DLS & NMLS: 1.089

ηTM = (Φuse/Pon) × FTM (lm/W).

Appendix I: Test results--Tabel 1: Initial test results: (3000K)

		Test Result				P
Sample No.	Measured voltage(V)	Measured current (mA)	Measured power(W)	Initial Φuse (lm)	Beam angle (°) for DLS	--
1#	AC230	139	30.12	2527	110	--
2#	AC230	139	30.12	2496	109	--
3#	AC230	138	29.91	2500	110	--
4#	AC230	138	29.91	2470	110	--
5#	AC230	139	30.12	2478	110	--
6#	AC230	139	30.12	2538	109	--
7#	AC230	138	29.91	2520	111	--
8#	AC230	139	30.12	2545	110	--
9#	AC230	139	30.12	2543	110	--
10#	AC230	138	29.91	2479	109	--
Average	**AC230**	**139**	**30.04**	**2510**	**110**	**--**
Sample No.	Colour rendering (CRI)	Displacement factor(DF)	Colour consistency	Flicker(Pst LM)	Stroboscopic effect(SVM)	--
1#	82	0.90	5.9	1.0	0.4	--
2#	81	0.90	6.0	1.0	0.4	--
3#	82	0.90	6.0	1.0	0.4	--
4#	82	0.90	6.0	1.0	0.4	--
5#	81	0.90	5.9	1.0	0.4	--
6#	82	0.90	5.9	1.0	0.4	--
7#	82	0.90	6.0	1.0	0.4	--
8#	82	0.90	6.0	1.0	0.4	--
9#	81	0.90	5.9	1.0	0.4	--
10#	82	0.90	6.0	1.0	0.4	--
Average	**82**	**0.90**	**6.0**	**1.0**	**0.4**	**--**
Required	**CRI≥80**	**DF≥XX**	**SDCM≤6**	**Pst LM≤1,0**	**SVM≤0,4**	--

Tabel 2: Initial test results: (3000K)

		Test Result					P
Sample No.	Initial Φuse (lm)	Efficacy factor (F)	CRI factor (R)	Threshold efficacy (η)	End loss factor (L)	Correction factor (C)	Ponmax
1#	2527	0.85	1.01	120	1.5	1.23	32.64
2#	2496	0.85	1.01	120	1.5	1.23	32.26
3#	2500	0.85	1.01	120	1.5	1.23	32.31
4#	2470	0.85	1.01	120	1.5	1.23	31.95
5#	2478	0.85	1.01	120	1.5	1.23	32.04
6#	2538	0.85	1.01	120	1.5	1.23	32.77
7#	2520	0.85	1.01	120	1.5	1.23	32.56
8#	2545	0.85	1.01	120	1.5	1.23	32.86
9#	2543	0.85	1.01	120	1.5	1.23	32.84
10#	2479	0.85	1.01	120	1.5	1.23	32.06
Average	**2510**	**0.85**	**1.01**	**120**	**1.5**	**1.23**	**32.43**
Factor	N/A	☐ 1.00 for NDLS ☒ 0.85 for DLS	☐ 0.65 for CRI≤25, ☒ (CRI+80)/160 for CRI>25	120.0 for LED	1.5 for LED	☐ NDLS & NMLS: 1.00 ☐ NDLS & MLS: 1.08 ☐ DLS & NMLS: 1.15 ☒ DLS & MLS: 1.23	Pon= Cx(L+ Φuse/(Fx η)xR

Tabel 3: Initial test results for Energy efficiency classes: (3000K)

		Test Result				P
Sample No.	Initial Φuse (lm)	Initial Pon(W)	F_{TM}	ηTM (lm/W)	Test Energy efficiency class	Declare Energy efficiency class
1#	2527	30.12	1.176	99	F	F
2#	2496	30.12	1.176	97	F	F
3#	2500	29.91	1.176	98	F	F
4#	2470	29.91	1.176	97	F	F
5#	2478	30.12	1.176	97	F	F
6#	2538	30.12	1.176	99	F	F
7#	2520	29.91	1.176	99	F	F
8#	2545	30.12	1.176	99	F	F
9#	2543	30.12	1.176	99	F	F
10#	2479	29.91	1.176	97	F	F
Average	**2510**	30.04	**1.176**	**98**	**F**	**F**

Energy efficiency class:

A: 210 ≤ ηTM
B: 185 ≤ ηTM < 210
C: 160 ≤ ηTM < 185
D: 135 ≤ ηTM < 160
E: 110 ≤ ηTM < 135
F: 85 ≤ ηTM < 110
G: ηTM < 85

☐ NDLS & MLS: 1.00
☐ NDLS & NMLS: 0.926
☒ DLS & MLS: 1.176
☐ DLS & NMLS: 1.089

ηTM = (Φuse/Pon) × FTM (lm/W).

Table 4: Test results of survival factor and Lumen maintenance: (3000K)

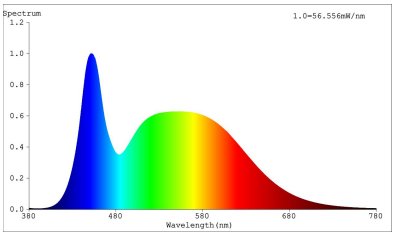
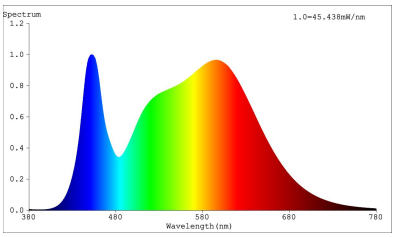
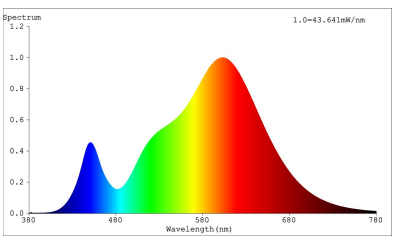
	Test Result			P
Sample No.	Initial Φuse (lm)	3600H Φuse (lm)	XLMF,MIN% at 3600H	survival factor at 3600H
1#	2527	2456	97.19%	No damage
2#	2496	2426	97.20%	No damage
3#	2500	2429	97.16%	No damage
4#	2470	2400	97.17%	No damage
5#	2478	2407	97.13%	No damage
6#	2538	2467	97.20%	No damage
7#	2520	2450	97.22%	No damage
8#	2545	2474	97.21%	No damage
9#	2543	2472	97.21%	No damage
10#	2479	2409	97.18%	No damage
Average	**2510**	**2439**	**97.19%**	**100%**
Required	--	--	**96.00%**	**90%**

Table 5: Test results of No-load power(Pno), Standby power(Psb) and Networked standby power(Pnet) (3000K)

	Test Result			N/A
Sample No.	Pno (W)	Psb (W)	Pnet (W)	
1#	--	--	--	
2#	--	--	--	
3#	--	--	--	
4#	--	--	--	
5#	--	--	--	
6#	--	--	--	
7#	--	--	--	
8#	--	--	--	
9#	--	--	--	
10#	--	--	--	
Average	**--**	**--**	**--**	
Required	**<0.5W**	**<0.5W**	**<0.5W**	

Product information sheet

Supplier's name or trade mark: FOSHAN KAICHENG LIGHTING CO., LTD			
Supplier's address: No.16 Xingye West Road, Shishan Town, Nanhai District, Foshan, 528000 Guangdong, P.R. China			
Model identifier: EK05-EC 30W			
Type of light source:			
Lighting technology used:	☐ CFL ☒ LED ☐ HID ☐ Others:	Non-directional or directional:	☐ NDLS ☒ DLS
Light source cap-type (or other electric interface)	/		
Mains or non-mains:	☒ MLS ☐ NMLS	Connected light source (CLS):	☐ Yes ☒ No
Colour-tuneable light source:	☒ Yes ☐ No	Envelope:	☐ Yes ☒ No
High luminance light source:	☐ Yes ☒ No		
Anti-glare shield:	☐ Yes ☒ No	Dimmable:	☐ Yes ☐ Only with specific dimmers ☒ No
Product parameters			
Parameter	220-240VAC 50/60Hz 30W	Parameter	/
General product parameters:			
Energy consumption in on-mode (kWh/1 000h),rounded up to the nearest integer	30kWh/1000h(6500K) 30kWh/1000h(4500K) 30kWh/1000h(3000K)	Energy efficiency class	F

<table>
<tr><td colspan="2">Useful luminous flux (Φuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)</td><td>2490 in a sphere (6500K)
2590 in a sphere (4500K)
2510 in a sphere (3000K)</td><td>Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set</td><td>6500K/4500K/3000K</td></tr>
<tr><td colspan="2">On-mode power (Pon), expressed in W</td><td>30.0</td><td>Standby power (Psb), expressed in W and rounded to the second decimal</td><td>/</td></tr>
<tr><td colspan="2">Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal</td><td>No Networked standby power</td><td>Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set</td><td>80</td></tr>
<tr><td rowspan="3">Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)</td><td>Height</td><td>110</td><td rowspan="3">Spectral power distribution in the range 250 nm to 800 nm, at full-load</td><td rowspan="3">6500K

4500K

3000K
</td></tr>
<tr><td>Width</td><td>181</td></tr>
<tr><td>Depth</td><td>26</td></tr>
<tr><td colspan="2">Claim of equivalent power</td><td>☐ Yes
☒ —</td><td>If yes, equivalent power (W)</td><td>/</td></tr>
</table>

		Chromaticity coordinates (x and y)	6500K x: 0.312 y: 0.339 4500K x: 0.368 y: 0.368 3000K x: 0.437 y: 0.404
Parameters for directional light sources:			
Peak luminous intensity (cd)	1572	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:			
R9 colour rendering index value	18	Survival factor	90.00%
the lumen maintenance factor	96.00%		
Parameters for LED and OLED mains light sources:			
displacement factor (cos φ1)	0.90	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	/	If yes then replacement claim (W)	/
Flicker metric (Pst LM)	1.0	Stroboscopic effect metric (SVM)	0.4

Remarks:

3. Information requirements

From 1 Sepember 2021 the following information requirements shall apply:

(a) Information to be displayed on the light source itself

For all light sources, except CTLS, LFL, CFLni, other FL, and HID, the value and physical unit of the useful luminous flux (lm) and correlated colour temperature (K) shall be displayed in a legible font on the surface if, after the inclusion of safety-related information, there is sufficient space available for it without unduly obstructing the light emission.

For directional light sources, the beam angle (°) shall also be indicated.

If there is room for only two values, the useful luminous flux and the correlated colour temperature shall be displayed. If there is room for only one value, the useful luminous flux shall be displayed.

(b) Information to be visibly displayed on the packaging

(1) Light source placed on the market, not in a containing product

If a light source is placed on the market, not in a containing product, in a packaging containing information to be visibly displayed at a point-of-sale prior to its purchase, the following information shall be clearly and prominently displayed on the packaging:

(a) the useful luminous flux (Φuse) in a font at least twice as large as the display of the on-mode power (Pon), clearly indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°);

(b) the correlated colour temperature, rounded to the nearest 100 K, also expressed graphically or in words, or the range of correlated colour temperatures that can be set;

(c) the beam angle in degrees (for directional light sources), or the range of beam angles that can be set;

(d) electrical interface details, e.g. cap- or connector-type, type of power supply (e.g. 230 V AC 50 Hz, 12 V DC);

(e) the L70B50 lifetime for LED and OLED light sources, expressed in hours;

(f) the on-mode power (Pon), expressed in W;

(g) the standby power (Psb), expressed in W and rounded to the second decimal. If the value is zero, it may be omitted from the packaging;

(h) the networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal. If the value is zero, it may be omitted from the packaging;

(i) the colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set;

(j) if CRI< 80, and the light source is intended for use in outdoor applications, industrial applications or other applications where lighting standards allow a CRI< 80, a clear indication to this effect. For HID light sources with useful luminous flux > 4 000 lm, this indication is not mandatory;

(k) if the light source is designed for optimum use in non-standard conditions (such as ambient temperature Ta ≠ 25 °C or specific thermal management is necessary): information on those conditions;

(l) a warning if the light source cannot be dimmed or can be dimmed only with specific dimmers or with specific wired or wireless dimming methods. In the latter cases a list of compatible dimmers and/or methods shall be provided on the manufacturer's website;

(m) if the light source contains mercury: a warning of this, including the mercury content in mg rounded to the first decimal place;

(n) if the light source is within the scope of Directive 2012/19/EU, without prejudice to marking obligations pursuant to Article 14(4) of Directive 2012/19/EU, or contains mercury: a warning that it shall not be disposed of as unsorted municipal waste.

Items (a) to (d) shall be displayed on the packaging in the direction meant to face prospective buyer; for other items this is also recommended, if space permits.

For light sources that can be set to emit light with different characteristics, the information shall be reported for the reference control settings. In addition, a range of obtainable values may be indicated.

The information does not need to use the exact wording on the list above. Alternatively, it may be displayed in the form of graphs, drawings or symbols.

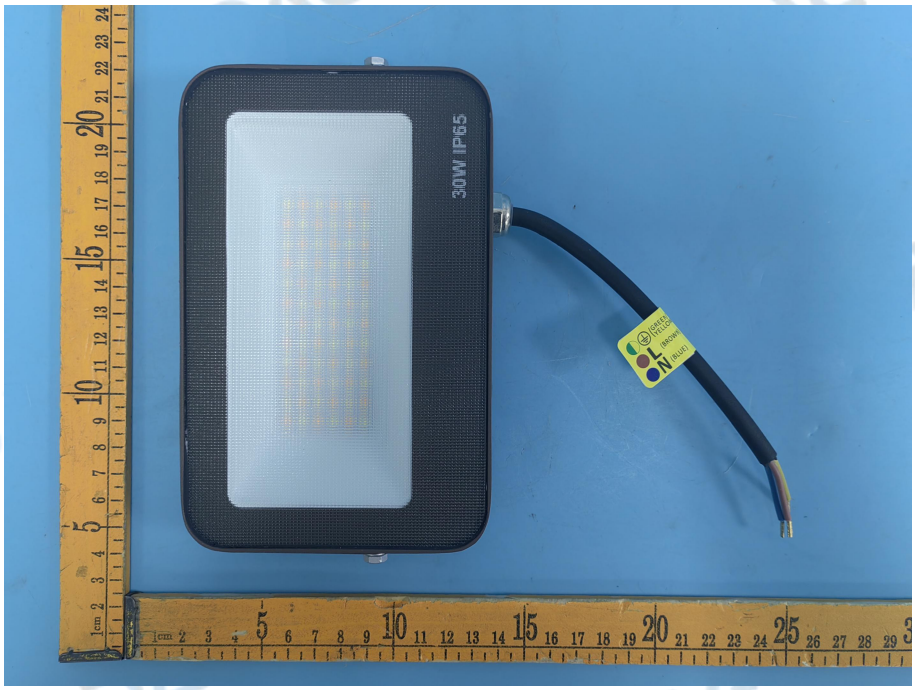
(e) Information for products specified in point 3 of Annex III

For the light sources and separate control gears specified in point 3 of Annex III the intended purpose shall be stated in the technical documentation for compliance assessment as per Article 5 of this Regulation and on all forms of packaging, product information and advertisement, together with an explicit indication that the light source or separate control gear is not intended for use in other applications.

The technical documentation file drawn up for the purposes of conformity assessment, in accordance with Article 5 of this Regulation shall list the technical parameters that make the product design specific to qualify for the exemption.

In particular for light sources indicated in point 3(p) of Annex III it shall be stated: 'This light source is only for use by photo sensitive patients. Use of this light source will lead to increased energy cost compared to an equivalent more energy efficient product.'

Product photos of EUT:

Photo 1	
Photo 2	

*** End of the report ***