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 50W
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.	:	DACE251119024RL001

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Revision History Of Report

Version	Description	REPORT No.	Modified information
A0	Original	DACE251119024RL001	None

TEST REPORT

000009844

Reference No.:	DACE251119024RL001
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 50W
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 50W
Lighting type..... :	☒ directional ☐ non-directional
Rated voltage and frequency..... :	220-240VAC 50/60Hz
Rated wattage..... :	50W
Lamp cap..... :	N/A
Nominal luminous flux Φ.....:	6500K: 4090lm 4500K: 4590lm 3000K: 3890lm
Useful luminous flux (Φuse) ..... :	6500K: 3632lm 4500K: 4076lm 3000K: 3454lm
Declared ηTM (lm/W)..... :	6500K: 100lm/W 4500K: 108lm/W 3000K: 96lm/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	223	48.16	4089	110	--
2#	AC230	223	48.16	4038	109	--
3#	AC230	222	47.94	4176	110	--
4#	AC230	222	47.94	4032	110	--
5#	AC230	223	48.16	4040	110	--
6#	AC230	223	48.16	4160	109	--
7#	AC230	222	47.94	4082	111	--
8#	AC230	223	48.16	4167	110	--
9#	AC230	223	48.16	4155	110	--
10#	AC230	222	47.94	4041	109	--
Average	**AC230**	**223**	**48.07**	**4098**	**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#	4089	0.85	1.01	120	1.5	1.23	51.67
2#	4038	0.85	1.01	120	1.5	1.23	51.04
3#	4176	0.85	1.01	120	1.5	1.23	52.72
4#	4032	0.85	1.01	120	1.5	1.23	50.97
5#	4040	0.85	1.01	120	1.5	1.23	51.07
6#	4160	0.85	1.01	120	1.5	1.23	52.53
7#	4082	0.85	1.01	120	1.5	1.23	51.58
8#	4167	0.85	1.01	120	1.5	1.23	52.62
9#	4155	0.85	1.01	120	1.5	1.23	52.47
10#	4041	0.85	1.01	120	1.5	1.23	51.08
Average	**4098**	**0.85**	**1.01**	**120**	**1.5**	**1.23**	**51.77**
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#	4089	48.16	1.176	100	F	F
2#	4038	48.16	1.176	99	F	F
3#	4176	47.94	1.176	102	F	F
4#	4032	47.94	1.176	99	F	F
5#	4040	48.16	1.176	99	F	F
6#	4160	48.16	1.176	102	F	F
7#	4082	47.94	1.176	100	F	F
8#	4167	48.16	1.176	102	F	F
9#	4155	48.16	1.176	101	F	F
10#	4041	47.94	1.176	99	F	F
Average	**4098**	48.07	**1.176**	**100**	**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	232	50.10	4587	110	--
2#	AC230	232	50.16	4536	109	--
3#	AC230	231	49.94	4674	110	--
4#	AC230	231	49.94	4530	110	--
5#	AC230	232	50.16	4538	110	--
6#	AC230	232	50.16	4658	109	--
7#	AC230	231	49.94	4580	111	--
8#	AC230	232	50.16	4665	110	--
9#	AC230	232	50.16	4653	110	--
10#	AC230	231	49.94	4539	109	--
Average	**AC230**	**232**	**50.07**	**4596**	**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#	4587	0.85	1.03	120	1.5	1.23	58.87
2#	4536	0.85	1.03	120	1.5	1.23	58.24
3#	4674	0.85	1.03	120	1.5	1.23	59.95
4#	4530	0.85	1.03	120	1.5	1.23	58.17
5#	4538	0.85	1.03	120	1.5	1.23	58.26
6#	4658	0.85	1.03	120	1.5	1.23	59.76
7#	4580	0.85	1.04	120	1.5	1.23	59.36
8#	4665	0.85	1.03	120	1.5	1.23	59.84
9#	4653	0.85	1.03	120	1.5	1.23	59.69
10#	4539	0.85	1.03	120	1.5	1.23	58.28
Average	**4596**	**0.85**	**1.03**	**120**	**1.5**	**1.23**	**59.04**
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#	4587	50.10	1.176	108	F	F
2#	4536	50.16	1.176	106	F	F
3#	4674	49.94	1.176	110	F	F
4#	4530	49.94	1.176	107	F	F
5#	4538	50.16	1.176	106	F	F
6#	4658	50.16	1.176	109	F	F
7#	4580	49.94	1.176	108	F	F
8#	4665	50.16	1.176	109	F	F
9#	4653	50.16	1.176	109	F	F
10#	4539	49.94	1.176	107	F	F
Average	**4596**	50.07	**1.176**	**108**	**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	222	47.95	3882	110	--
2#	AC230	222	47.95	3831	109	--
3#	AC230	221	47.73	3969	110	--
4#	AC230	221	47.73	3825	110	--
5#	AC230	222	47.95	3833	110	--
6#	AC230	222	47.95	3953	109	--
7#	AC230	221	47.73	3875	111	--
8#	AC230	222	47.95	3960	110	--
9#	AC230	222	47.95	3948	110	--
10#	AC230	221	47.63	3834	109	--
Average	**AC230**	**222**	**47.85**	**3891**	**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#	3882	0.85	1.01	120	1.5	1.23	49.14
2#	3831	0.85	1.01	120	1.5	1.23	48.52
3#	3969	0.85	1.01	120	1.5	1.23	50.20
4#	3825	0.85	1.01	120	1.5	1.23	48.45
5#	3833	0.85	1.01	120	1.5	1.23	48.55
6#	3953	0.85	1.01	120	1.5	1.23	50.01
7#	3875	0.85	1.01	120	1.5	1.23	49.06
8#	3960	0.85	1.01	120	1.5	1.23	50.09
9#	3948	0.85	1.01	120	1.5	1.23	49.95
10#	3834	0.85	1.01	120	1.5	1.23	48.56
Average	**3891**	**0.85**	**1.01**	**120**	**1.5**	**1.23**	**49.25**
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: (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#	3882	47.95	1.176	95	F	F
2#	3831	47.95	1.176	94	F	F
3#	3969	47.73	1.176	98	F	F
4#	3825	47.73	1.176	94	F	F
5#	3833	47.95	1.176	94	F	F
6#	3953	47.95	1.176	97	F	F
7#	3875	47.73	1.176	95	F	F
8#	3960	47.95	1.176	97	F	F
9#	3948	47.95	1.176	97	F	F
10#	3834	47.63	1.176	95	F	F
Average	**3891**	47.85	**1.176**	**96**	**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)

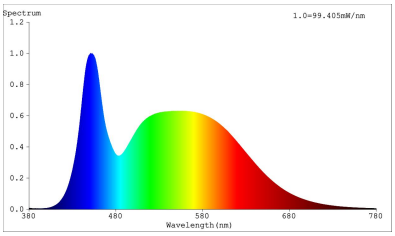
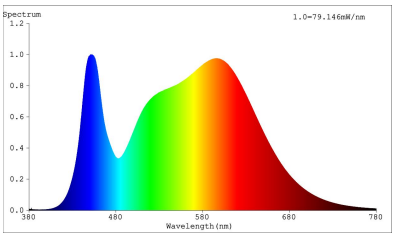
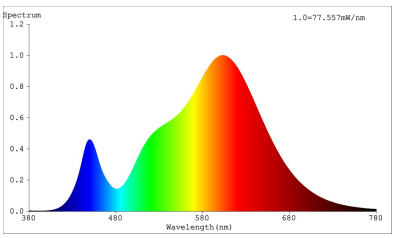
	Test Result			P
Sample No.	Initial Φuse (lm)	3600H Φuse (lm)	XLMF,MIN% at 3600H	survival factor at 3600H
1#	3882	3771	97.14%	No damage
2#	3831	3721	97.13%	No damage
3#	3969	3858	97.20%	No damage
4#	3825	3715	97.12%	No damage
5#	3833	3722	97.10%	No damage
6#	3953	3842	97.19%	No damage
7#	3875	3765	97.16%	No damage
8#	3960	3849	97.20%	No damage
9#	3948	3837	97.19%	No damage
10#	3834	3724	97.13%	No damage
Average	**3891**	**3780**	**97.16%**	**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 50W			
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 50W	Parameter	/
General product parameters:			
Energy consumption in on-mode (kWh/1 000h),rounded up to the nearest integer	48kWh/1000h(6500K) 50kWh/1000h(4500K) 48kWh/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>4090 in a sphere (6500K)
4590 in a sphere (4500K)
3890 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>50.0</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>135</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>202</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: 0.314 y: 0.341 4500K x: 0.369 y: 0.370 3000K x: 0.438 y: 0.406
Parameters for directional light sources:			
Peak luminous intensity (cd)	2501	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.

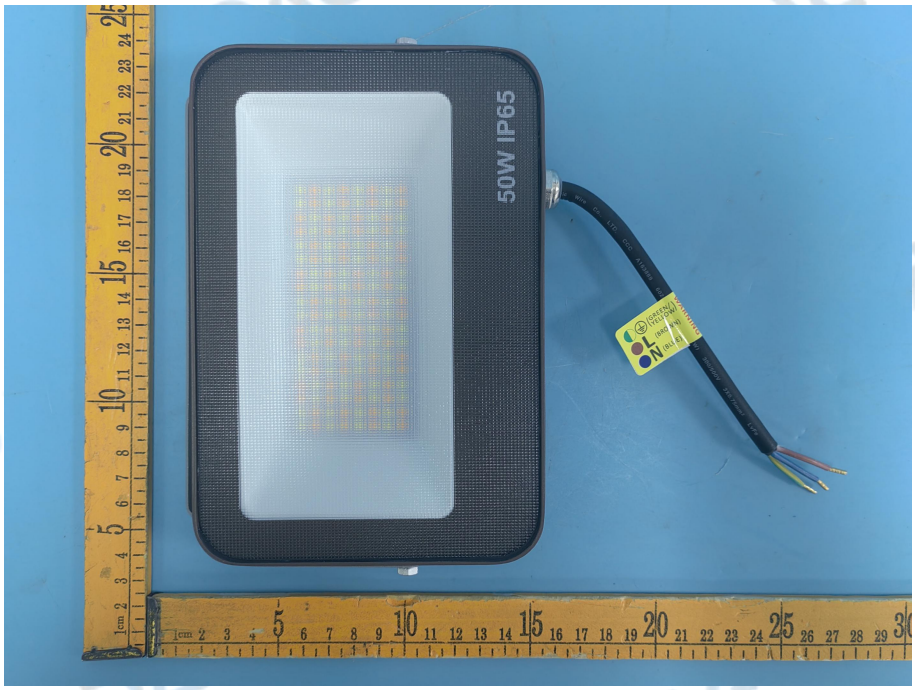
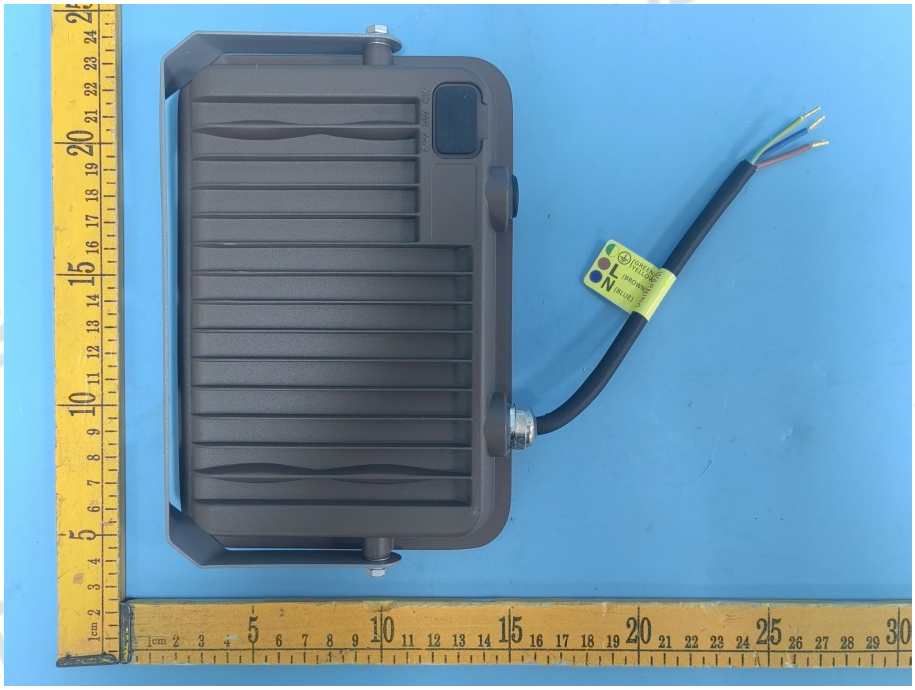
(e) Information for products specified in point 3 of Annex III

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 ***