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 200W
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.	:	DACE251119027RL001

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Revision History Of Report

Version	Description	REPORT No.	Modified information
A0	Original	DACE251119027RL001	None

TEST REPORT

000009841

Reference No.:	DACE251119027RL001
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 200W
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 200W
Lighting type..... :	☒ directional ☐ non-directional
Rated voltage and frequency..... :	220-240VAC 50/60Hz
Rated wattage..... :	200W
Lamp cap..... :	N/A
Nominal luminous flux Φ..... :	6500K: 16260lm 4500K: 17100lm 3000K: 16250lm
Useful luminous flux (Φuse) ..... :	6500K: 14162lm 4500K: 14894lm 3000K: 14154lm
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	906	195.40	16258	110	--
2#	AC230	906	195.40	16207	109	--
3#	AC230	905	195.18	16345	110	--
4#	AC230	905	195.18	16201	110	--
5#	AC230	906	195.40	16209	110	--
6#	AC230	906	195.40	16329	109	--
7#	AC230	905	195.18	16251	111	--
8#	AC230	906	195.40	16336	110	--
9#	AC230	906	195.40	16324	110	--
10#	AC230	905	195.18	16210	109	--
Average	**AC230**	**906**	**195.31**	**16267**	**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#	16258	0.85	1.01	120	1.5	1.23	199.88
2#	16207	0.85	1.01	120	1.5	1.23	199.26
3#	16345	0.85	1.01	120	1.5	1.23	200.94
4#	16201	0.85	1.01	120	1.5	1.23	199.18
5#	16209	0.85	1.01	120	1.5	1.23	199.28
6#	16329	0.85	1.01	120	1.5	1.23	200.74
7#	16251	0.85	1.01	120	1.5	1.23	199.79
8#	16336	0.85	1.01	120	1.5	1.23	200.83
9#	16324	0.85	1.01	120	1.5	1.23	200.68
10#	16210	0.85	1.01	120	1.5	1.23	199.29
Average	**16267**	**0.85**	**1.01**	**120**	**1.5**	**1.23**	**199.99**
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#	16258	195.40	1.176	98	F	F
2#	16207	195.40	1.176	98	F	F
3#	16345	195.18	1.176	98	F	F
4#	16201	195.18	1.176	98	F	F
5#	16209	195.40	1.176	98	F	F
6#	16329	195.40	1.176	98	F	F
7#	16251	195.18	1.176	98	F	F
8#	16336	195.40	1.176	98	F	F
9#	16324	195.40	1.176	98	F	F
10#	16210	195.18	1.176	98	F	F
Average	**16267**	195.31	**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	925	200.03	17094	110	--
2#	AC230	925	200.03	17043	109	--
3#	AC230	924	199.81	17181	110	--
4#	AC230	924	199.81	17037	110	--
5#	AC230	925	200.03	17045	110	--
6#	AC230	925	200.03	17165	109	--
7#	AC230	924	199.81	17087	111	--
8#	AC230	925	200.03	17172	110	--
9#	AC230	925	200.03	17160	110	--
10#	AC230	924	199.81	17046	109	--
Average	**AC230**	**925**	**199.94**	**17103**	**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#	17094	0.85	1.03	120	1.5	1.23	214.22
2#	17043	0.85	1.03	120	1.5	1.23	213.58
3#	17181	0.85	1.03	120	1.5	1.23	215.30
4#	17037	0.85	1.03	120	1.5	1.23	213.51
5#	17045	0.85	1.03	120	1.5	1.23	213.61
6#	17165	0.85	1.03	120	1.5	1.23	215.10
7#	17087	0.85	1.04	120	1.5	1.23	216.21
8#	17172	0.85	1.03	120	1.5	1.23	215.19
9#	17160	0.85	1.03	120	1.5	1.23	215.04
10#	17046	0.85	1.03	120	1.5	1.23	213.62
Average	**17103**	**0.85**	**1.03**	**120**	**1.5**	**1.23**	**214.54**
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#	17094	200.03	1.176	100	F	F
2#	17043	200.03	1.176	100	F	F
3#	17181	199.81	1.176	101	F	F
4#	17037	199.81	1.176	100	F	F
5#	17045	200.03	1.176	100	F	F
6#	17165	200.03	1.176	101	F	F
7#	17087	199.81	1.176	101	F	F
8#	17172	200.03	1.176	101	F	F
9#	17160	200.03	1.176	101	F	F
10#	17046	199.81	1.176	100	F	F
Average	**17103**	199.94	**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	905	195.10	16241	110	--
2#	AC230	905	195.10	16190	109	--
3#	AC230	904	194.88	16328	110	--
4#	AC230	904	194.88	16184	110	--
5#	AC230	905	195.10	16192	110	--
6#	AC230	905	195.10	16312	109	--
7#	AC230	904	194.88	16234	111	--
8#	AC230	905	195.10	16319	110	--
9#	AC230	905	195.10	16307	110	--
10#	AC230	904	194.88	16193	109	--
Average	**AC230**	**905**	**195.01**	**16250**	**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#	16241	0.85	1.01	120	1.5	1.23	199.67
2#	16190	0.85	1.01	120	1.5	1.23	199.05
3#	16328	0.85	1.01	120	1.5	1.23	200.73
4#	16184	0.85	1.01	120	1.5	1.23	198.98
5#	16192	0.85	1.01	120	1.5	1.23	199.07
6#	16312	0.85	1.01	120	1.5	1.23	200.53
7#	16234	0.85	1.01	120	1.5	1.23	199.58
8#	16319	0.85	1.01	120	1.5	1.23	200.62
9#	16307	0.85	1.01	120	1.5	1.23	200.47
10#	16193	0.85	1.01	120	1.5	1.23	199.08
Average	**16250**	**0.85**	**1.01**	**120**	**1.5**	**1.23**	**199.78**
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#	16241	195.10	1.176	98	F	F
2#	16190	195.10	1.176	98	F	F
3#	16328	194.88	1.176	99	F	F
4#	16184	194.88	1.176	98	F	F
5#	16192	195.10	1.176	98	F	F
6#	16312	195.10	1.176	98	F	F
7#	16234	194.88	1.176	98	F	F
8#	16319	195.10	1.176	98	F	F
9#	16307	195.10	1.176	98	F	F
10#	16193	194.88	1.176	98	F	F
Average	**16250**	195.01	**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).

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

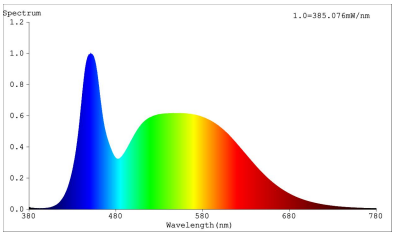
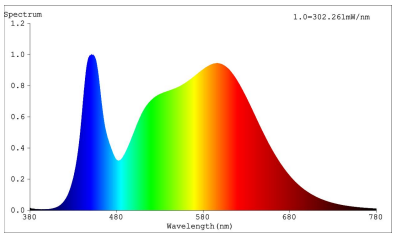
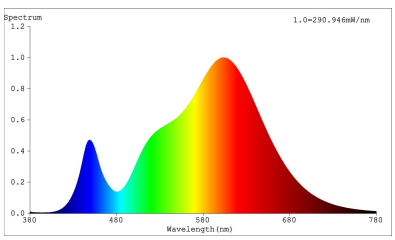
	Test Result			P
Sample No.	Initial Φuse (lm)	3600H Φuse (lm)	XLMF,MIN% at 3600H	survival factor at 3600H
1#	16241	15760	97.04%	No damage
2#	16190	15710	97.04%	No damage
3#	16328	15847	97.05%	No damage
4#	16184	15704	97.03%	No damage
5#	16192	15711	97.03%	No damage
6#	16312	15831	97.05%	No damage
7#	16234	15754	97.04%	No damage
8#	16319	15838	97.05%	No damage
9#	16307	15826	97.05%	No damage
10#	16193	15713	97.04%	No damage
Average	**16250**	**15769**	**97.04%**	**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 200W			
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 200W	Parameter	/
General product parameters:			
Energy consumption in on-mode (kWh/1 000h),rounded up to the nearest integer	196kWh/1000h(6500K) 200kWh/1000h(4500K) 195kWh/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>16260 in a sphere (6500K)
17100 in a sphere (4500K)
16250 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>200.0</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>254</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>390</td></tr>
<tr><td>Depth</td><td>34</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: 0.313 y: 0.340 4500K x: 0.367 y: 0.369 3000K x: 0.437 y: 0.406
Parameters for directional light sources:			
Peak luminous intensity (cd)	6649	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	19	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.

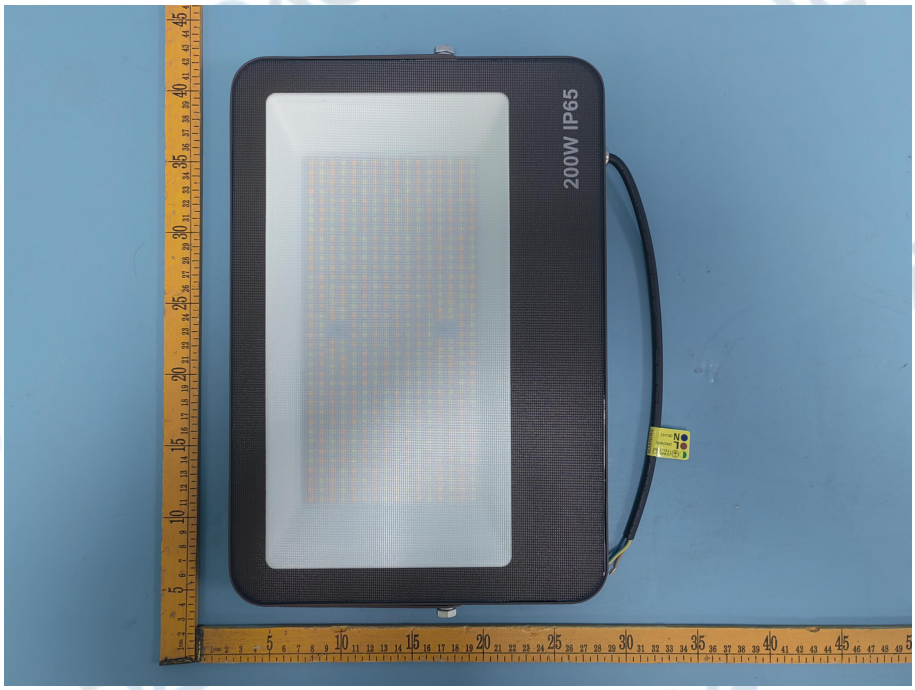
(e) Information for products specified in point 3 of Annex III

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 ***