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3C

1.1 3C

3C China Compulsory Certification

1.2 3C

CCC		10	3C
1001			GB/T 7000.1-2023 GB/T 7000.201-2023 GB/T 7000.202-2023 GB/T 7000.204-2023 GB/T 17743 EMC
1002	/	LED / LED	GB 19510.1 GB 19510.14 LED GB/T 17743 EMC

① 36V 3C ② LED 1002 ③ CCC LED LED 2015
9 1 CCC

1.3 2026 CCC

2026 7 2026 110 2026 12 1
CCC

- CCC
- CCC
- CCC
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- 2026 47% 7

1.4 3C

1.	BOM	3-5	CQC
2.		5-10	
3.	+EMC	15-25	GB/T 7000
4.		1-2 +5-10	
5.	CCC	5-10	5
6.	1	1	/

1.5 3C

- CCC 5 /
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	GB/T 7000.1-2008	GB/T 7000.1-2023	2026 12 31	
			2027 3 31	
	GB/T 7000.201-2008	GB/T 7000.201-2023		
	GB/T 7000.202-2008	GB/T 7000.202-2023		
	GB/T 7000.204-2008	GB/T 7000.204-2023		

1.6

CCC / /		5%-20%	
/ CCC		/	
	《》		
CCC	《》2026.12.1		
		/	

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3C	3C	3C	CMA

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			/
	GB/T 7000.1-2023		+
	GB/T 7000.201/202/204		
(EMC)	GB/T 17 743		EMC
(IP)	GB/T 4208	IP65 / IP54	
	GB/T 30 131.2	RG0	
	GB/T 9468		
	GB 30 255-2026 / GB 37 478-2025	(lm/W) ≤2.5W	+
	GB/T 33 721	PstLM<1.0 <5%	
	GB/T 33 721	6000 ≤10% ≥95%	
	GB 26 572-2025	/ / / 10	

2.3 3C

	3C CCC	
		/
	CQC +	CMA
/	CCC 5	
	+ + 3-8 /	0.5-3 /
	3C	3C

2.4

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GB/T 50 034-2024			2024	
GB 30 255-2026	LED		2027-09-01	LED /
GB 37 478-2025	LED		2026-06-01	/ LED
GB/T 7000.1-2023	1		2024	
GB/T 7000.201-2023	2-1		2024	
GB/T 7000.202-2023	2-2		2024	
GB/T 7000.204-2023	2-4		2024	
GB/T 17 743				EMC
GB 26 572-2025			2026	
GB 40 070-2021			2022-03-01	/
GB/T 9473-2022			2024-01-01	
GB/T 4208	IP			

3.2 GB/T 50034-2024《》

2024 8 1		GB/T 50 034-2024	
(Ra)	≥60	Ra≥80	Ra≥90
(UGR)		UGR≤22	
(PstLM)		PstLM<1.0	
		6000 ≤10% ≥95%	
(U0)	≥0.4	U0≥0.6	
(LPD)			
		4000K-5000K	(>6500K)

" " " " LED —

3.3 GB 30255-2026《LED 》

2026 2 27	2027 9 1	GB 30 255-2019	LED	LED
• ①	LED /	LED	LED / /	LED
• ②	3	10-20 lm/W		
• ③		≤2.5W		
• ④	Ra≥90 /Ra≥80		10 lm/W	

LED

		1 (lm/W)	2 (lm/W)	3 () (lm/W)
≤100W	<3500K	155	130	85
≤100W	≥3500K	165	140	95
>100W	<3500K	170	145	100
>100W	≥3500K	180	155	110

Ra≥80 LED 10 lm/W 100 lm/W 180 lm/W
80% 100-130 lm/W 2027

3.4 GB 37478-2025《LED》

2025 5 30 2026 6 1 GB 37478-2019

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2026-06-01	
2026-06-01	CQC
2027-05-31	
2027-05-31	
2027-09-01	

3.5 GB/T 7000.1-2023《1》

GB/T 7000 3C 2023 2008
2026 12 31 2027 3 31

3.6

/	/			
GB 37478-2025 LED	2025-05-30 2026-06-01	2028-06-01 2	GB 37478-2019	
GB 30255-2026 LED	2026-02-27 2027-09-01	2029-09-01 2	2019/2025	
GB/T 7000.1-2023	2023 2024	2027-03-31		
GB 26572-2025	2026	—	—	
2026	2026-07 2026-12-01	—	—	

2026	2026-04-30	2		
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“ ”



中国国家强制性产品认证证书

证书编号: 2026011001893358

认证委托人名称及地址
山东科明光电科技有限公司
淄博市周村区兴鲁大道 999 号

生产者名称及地址
山东科明光电科技有限公司
淄博市周村区兴鲁大道 999 号

生产企业名称及地址
山东科明光电科技有限公司
山东省淄博市周村区兴鲁大道 999 号

产品名称和系列、型号、规格
固定式 LED 灯具 (LED 天棚灯, 吊式, LED 模块用交流电子控制装置, 不可调光, I 类, IP65, 适宜直接安装在普通可燃材料表面, ta: 45℃)
见附录: 220V~ 50Hz.

产品标准和技术要求
GB 17625.1-2022/GB/T 17743-2021/GB/T 7000.1-2023/GB/T 7000.201-2023
上述产品符合《强制性产品认证实施规则 照明电器》(CNCA-C10-01:2014)的要求, 特此认证。

发证日期: 2026 年 09 月 07 日 有效期至: 2031 年 09 月 06 日
证书信息和有效性可扫描下方二维码或登录发证机构网站查验,
也可在认监委网站 (www.cnca.gov.cn) 查询。



签发: 

 中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE

中国质量认证中心有限公司
北京市丰台区南四环西路188号9区5号楼 100070 电话: +86 10 83886666

http://www.cqc.com.cn

Building 5, Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P.R.China

Tel: +86 10 83886666



CERTIFICATE FOR
CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2026011001893358

NAME AND ADDRESS OF THE APPLICANT
Shandong Komee Optoelectronics Technology Co., Ltd.
No.999, Xinglu Avenue, Zhoucun District, Zibo City, Shandong Province, P.R.China

NAME AND ADDRESS OF THE MANUFACTURER
Shandong Komee Optoelectronics Technology Co., Ltd.
No.999, Xinglu Avenue, Zhoucun District, Zibo City, Shandong Province, P.R.China

NAME AND LOCATION OF THE FACTORY
Shandong Komee Optoelectronics Technology Co., Ltd.
No.999, Xinglu Avenue, Zhoucun District, Zibo City, Shandong Province, P.R.China

PRODUCT NAME, MODEL AND SPECIFICATION
Fixed Luminaires For LED Modules (Suspended Mounted, A.C. Supplied Electronic Controlgear For LED Modules, Non-dimmable, Class I, IP65, Suitable For Direct Mounting On Normally Flammable Material Surfaces, ta:45℃)
See Appendix : 220V ~ 50Hz.

STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS
GB 17625.1-2022/GB/T 17743-2021/GB/T 7000.1-2023/GB/T 7000.201-2023
This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification (REJ'No. CNCA-C10-01:2014).

Valid from: Sep.07,2026 Valid until: Sep.06,2031

The certificate information and validity could be checked by scanning the QR code below or logging in to the website of the issuing authority, or on the website of the CNCA (www.cnca.gov.cn).

Accredited by China National Accreditation Service for Conformity Assessment CNAS C001-P



SIGNATURE: 

 中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE

CHINA QUALITY CERTIFICATION CENTRE CO., LTD.

http://www.cqc.com.cn

Building 5, Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P.R.China

Tel: +86 10 83886666



中国国家强制性产品认证证书

证书编号: 2026011001893358

证书附页: 第 1 页 共 1 页

序号	型号	规格
1	HOP-18-50	50W (220×0.227W/LED 模块)
2	H5-G0-50	50W (220×0.227W/LED 模块)
3	HOP-18-60	60W (220×0.273W/LED 模块)
4	H5-G0-60	60W (220×0.273W/LED 模块)
5	HOP-18-70	70W (297×0.236W/LED 模块)
6	H5-G0-70	70W (297×0.236W/LED 模块)
7	HOP-18-80	80W (297×0.269W/LED 模块)
8	H5-G0-80	80W (297×0.269W/LED 模块)
9	HOP-18-100	100W (346×0.289W/LED 模块)
10	H5-G0-100	100W (346×0.289W/LED 模块)
11	HOP-18-120	120W (346×0.347W/LED 模块)
12	H5-G0-120	120W (346×0.347W/LED 模块)
13	HOP-18-150	150W (876×0.172W/LED 模块)
14	H5-G0-150	150W (876×0.172W/LED 模块)
15	HOP-18-160	160W (876×0.182W/LED 模块)
16	H5-G0-200	160W (876×0.182W/LED 模块)
17	HOP-18-180	180W (876×0.205W/LED 模块)
18	H5-G0-250	180W (876×0.205W/LED 模块)
19	HOP-18-200	200W (876×0.228W/LED 模块)
20	H5-G0-300	200W (876×0.228W/LED 模块)

输入: 220V~ 50Hz.

本页为证书附页, 应与证书主页同时使用。

 中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE

中国质量认证中心有限公司
北京市丰台区南四环西路188号9区5号楼 100070 电话: +86 10 83886666

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Tel: +86 10 83886666



CERTIFICATE FOR
CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2026011001893358

Appendix : Page 1 of 1

序号	型号	规格
1	HOP-18-50	50W (220×0.227W/LED 模块)
2	H5-G0-50	50W (220×0.227W/LED 模块)
3	HOP-18-60	60W (220×0.273W/LED 模块)
4	H5-G0-60	60W (220×0.273W/LED 模块)
5	HOP-18-70	70W (297×0.236W/LED 模块)
6	H5-G0-70	70W (297×0.236W/LED 模块)
7	HOP-18-80	80W (297×0.269W/LED 模块)
8	H5-G0-80	80W (297×0.269W/LED 模块)
9	HOP-18-100	100W (346×0.289W/LED 模块)
10	H5-G0-100	100W (346×0.289W/LED 模块)
11	HOP-18-120	120W (346×0.347W/LED 模块)
12	H5-G0-120	120W (346×0.347W/LED 模块)
13	HOP-18-150	150W (876×0.172W/LED 模块)
14	H5-G0-150	150W (876×0.172W/LED 模块)
15	HOP-18-160	160W (876×0.182W/LED 模块)
16	H5-G0-200	160W (876×0.182W/LED 模块)
17	HOP-18-180	180W (876×0.205W/LED 模块)
18	H5-G0-250	180W (876×0.205W/LED 模块)
19	HOP-18-200	200W (876×0.228W/LED 模块)
20	H5-G0-300	200W (876×0.228W/LED 模块)

输入: 220V~ 50Hz.

This page is attached to the certificate and should be used at the same time as the certificate page.

 中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE

CHINA QUALITY CERTIFICATION CENTRE CO., LTD.

http://www.cqc.com.cn

Building 5, Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P.R.China

Tel: +86 10 83886666

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lm/W

4.2 2026

2026	4	30	2026	LED	LED	7
LED	GB 37 478-2025	2026-06-01	2028-06-01	2020		
	GB 30 255-2026	2027-09-01	2029-09-01	2020/2025		

LED				
	GB 19044		—	
	GB 19043		—	
LED	GB 38 450-2019	2021-01-01	—	

2026 6 1 / LED 2028 6 1 2027 9 1 / LED 2029 9 1

5

4.3

LED / GB 30255-2026

		1 (lm/W)	2 (lm/W)	3 () (lm/W)	
≤100W	<3500K	155	130	85	Ra≥80 10lm/W
≤100W	≥3500K	165	140	95	Ra≥80 10lm/W
>100W	<3500K	170	145	100	Ra≥80 10lm/W
>100W	≥3500K	180	155	110	Ra≥80 10lm/W

- LED ≤2.5W
- 10-20 lm/W
-

4.4

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4.5

- ① www.energylabel.com.cn ——" "
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https://cx.cnca.cn

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www.energylabel.com.cn

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				CMA
		cx.cnca.cn	→	CMA
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	/	12315
	/ / CMA	CMA
	/	CCC
CCC	CCC / CCC	2026.12.1 12315

6.1

	GB/T 50034-2024		
(Ra)	Ra≥80 / Ra≥90		
(UGR)	UGR≤22		
(PstLM)	PstLM<1.0		<3%
	6000h≥95% ≤10%	LED	≤85℃
(U0)	U0≥0.6		1.2:1~1.5:1
(LPD)			≥150 lm/W
	4000K-5000K		>6500K
(IP)	/ IP65+ IP54+	/ /	
(THDi)	≤15%	LED	
(PF)	≥0.95	LED	PF

6.2

			/	(lx)	
≤4m	LED /	120°	1.5:1	200-300	IP54+
4-8m	LED	120°	1.2:1-1.5:1	200-500	/
8-12m	LED /	90°	1.2:1	200-300	
12-15m	LED	60°	1.0:1-1.2:1	200-300	
>15m	LED	60°	≤1.0:1	150-200	IES LM-80

6.3

GB 50034	≥200lx	300-500lx	≥750lx	100-150lx	50lx	200-300lx
300-500lx	≥	10%				
GB 50034-2013		HOP		GB/T 50034-2024	2024-08-01	Uo≥0.7

HOP

50W 3-8m 80W 8-10m 120W 10-15m 200W 15-25m

		(HOP)	(lx)	· Ra	/
/ / / /	8-25 m	80W 8-10m 120W 10-15m 200W 15-25m	200	0.75m / Ra60	UGR≤22 U _o ≥0.40 IP65
≥0.1mm / / /	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	300	0.75m / Ra60	UGR≤22 U _o ≥0.60
/ ·0.1mm	3-10 m	50W 3-8m 80W 8-10m	500	0.75m / Ra60	1-3 UGR≤19 U _o ≥0.70
/	4-10 m	50W 3-8m 80W 8-10m	200-300	0.75m / Ra60	
/ /	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	50-100	/ Ra60	120W
/ /	3-6 m	50W 3-8m	500-750	0.75m / Ra80	Ra ≥80 50W

		(HOP)	(lx)	· Ra	/
	8-25 m	80W 8-10m 120W 10-15m 200W 15-25m	200	0.75m / Ra80	· UGR≤25 U _o ≥0.60
	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	300	0.75m / Ra80	· UGR≤25 U _o ≥0.60
/	3-10 m	50W 3-8m 80W 8-10m	500	0.75m / Ra80	· UGR≤22 U _o ≥0.70
/	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	200	0.75m / Ra60	
/ /	4-10 m	50W 3-8m 80W 8-10m	300	0.75m / Ra60	U _o ≥0.60
	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	300	0.75m / Ra60	

		(HOP)	(lx)	· Ra	/
/ /	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	200	0.75m / Ra40	IP65+ UGR≤22
/	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	300	0.75m / Ra60	(Ex tb) 300 lx

					UGR≤22
/	3-10 m	50W 3-8m 80W 8-10m	300	0.75m Ra60	/
/	8-25 m	80W 8-10m 120W 10-15m 200W 15-25m	200	0.75m Ra40	+
/	4-20 m	50W 3-8m 80W 8-10m 120W 10-15m 200W 15-25m	300	0.75m Ra60	(IP66) 300 lx UGR≤22
/	6-15 m	80W 8-10m 120W 10-15m	100	1.0m Ra20	50 lx 100 lx GB/T 50034-2024

GB/T 50034-2024 5.4.1

/

		(HOP)	(lx)	· Ra	/
· /	8-25 m	80W 8-10m 120W 10-15m 200W 15-25m	150	0.75m Ra60	U _o ≥0.60
·	6-15 m	80W 8-10m 120W 10-15m	100	/ Ra20	IP65
· /	4-10 m	50W 3-8m 80W 8-10m	300	0.75m Ra80	/ U _o ≥0.60
·	6-15 m	80W 8-10m 120W 10-15m	100	/ Ra20	
· /	3-6 m	50W 3-8m	500	0.75m Ra80	· Ra ≥80
/	3-8 m	50W 3-8m	100-150	1.0m / Ra60	

		(HOP)	(lx)	· Ra	/
/	10-25 m	120W 10-15m 200W 15-25m	200	0.75m Ra80	· UGR≤25 U _o ≥0.60
	6-15 m	80W 8-10m 120W 10-15m	300	0.75m Ra80	· UGR≤25 U _o ≥0.60
/	3-10 m	50W 3-8m 80W 8-10m	500	0.75m Ra80	UGR≤22 U _o ≥0.70
/	4-15 m	50W 3-8m 80W 8-10m	200	0.75m Ra60	

		120W 10-15m			
	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	300	0.75m / Ra80	IP65
/	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	50-100	/ Ra60	

		(HOP)	(lx)	· Ra	/
/ /	8-25 m	120W 10-15m 200W 15-25m	50	1.0m / Ra20	· U _o ≥0.40
	8-15 m	80W 8-10m 120W 10-15m	100	1.0m / Ra60	· U _o ≥0.60 ≥50lx
/ /	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	200	1.0m / Ra80	· ≥50lx
/	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	100-150	/ Ra60	
/	3-8 m	50W 3-8m	300	0.75m / Ra80	

UGR ≤22 ≤19 U_o ≥0.7 ≥0.8 HOP 50/80/120/200W 3-25m

6.4

/ / / / / HOP
GB/T 50 034-2024 2024-08-01 GB 50 034-2013
U_o≥0.7

HOP 50W 3-8m 80W 8-10m 120W 10-15m 200W 15-25m

/

/ ≥60℃≥70℃+

		(HOP)	(lx)	· Ra	/
· /	8-25 m	80W 8-10m 120W 10-15m 200W 15-25m	200	0.75m / Ra60	≥60℃
· /	6-15 m	80W 8-10m 120W 10-15m	200	0.75m / Ra60	+
· /	6-15 m	80W 8-10m 120W 10-15m	150	0.75m / Ra60	
/	6-15 m	80W 8-10m	100	/ Ra20	+ IP65 +

		120W 10-15m			
· /	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	200	0.75m / Ra60	
/	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	50-100	/ Ra60	

/

IP65

IP66/IP69K

/

+

		(HOP)	(lx)	· Ra	/
· /	4-10 m	50W 3-8m 80W 8-10m	300	0.75m / Ra60	IP65/IP66
· /	3-8 m	50W 3-8m	300-500	0.75m / Ra80	IP66/IP69K Ra≥80
· /	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	100	/ Ra60	IP65
/	3-8 m	50W 3-8m	50-75	/ Ra60	IP65
/	3-8 m	50W 3-8m	200	0.75m / Ra60	-30°C
· /	3-10 m	50W 3-8m 80W 8-10m	300	0.75m / Ra80	IP66

IP5X/6X

Ex tb / Ex tD

		(HOP)	(lx)	· Ra	/
· /	4-10 m	50W 3-8m 80W 8-10m	300	0.75m / Ra60	IP6X
· /	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	100	1.0m / Ra60	IP6X
· /	8-15 m	80W 8-10m 120W 10-15m	100	1.0m / Ra60	
· /	8-25 m	80W 8-10m 120W 10-15m 200W 15-25m	100-200	/ Ra60	+
·	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	200	0.75m / Ra60	IP6X

• /	4–10 m	50W 3–8m 80W 8–10m	300	0.75m / Ra60	
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/ IP65

		(HOP)	(lx)	• Ra	/
•	4–10 m	50W 3–8m 80W 8–10m	300	0.75m / Ra60	IP65
•	4–12 m	50W 3–8m 80W 8–10m 120W 10–15m	300	0.75m / Ra80	+ IP65
• /	3–8 m	50W 3–8m	300–500	0.75m / Ra80	IP66
/	4–10 m	50W 3–8m 80W 8–10m	300	0.75m / Ra60	+ IP65
/	4–12 m	50W 3–8m 80W 8–10m 120W 10–15m	200	0.75m / Ra60	
/	4–10 m	50W 3–8m 80W 8–10m	200–300	0.75m / Ra60	IP65

/ /

/

		(HOP)	(lx)	• Ra	/
• /	4–10 m	50W 3–8m 80W 8–10m	200–300	0.75m / Ra60	/
•	6–15 m	80W 8–10m 120W 10–15m	200	0.75m / Ra60	+
• /	8–25 m	80W 8–10m 120W 10–15m 200W 15–25m	100–200	/ Ra60	+
/	4–12 m	50W 3–8m 80W 8–10m 120W 10–15m	100	/ Ra60	
/	8–25 m	80W 8–10m 120W 10–15m 200W 15–25m	50–100	/ Ra60	
/	4–12 m	50W 3–8m 80W 8–10m 120W 10–15m	100	/ Ra60	

		(HOP)	(lx)	· Ra	/
· /	4-10 m	50W 3-8m 80W 8-10m	300	0.75m / Ra80	316 / IP66
/	4-15 m	50W 3-8m 80W 8-10m 120W 10-15m	200-300	0.75m / Ra60	IP66
/ /	4-12 m	50W 3-8m 80W 8-10m 120W 10-15m	100	/ Ra60	+
/	8-15 m	80W 8-10m 120W 10-15m	100	1.0m / Ra60	316/
· /	4-10 m	50W 3-8m 80W 8-10m	300	0.75m / Ra80	IP66
/	4-10 m	50W 3-8m 80W 8-10m	300	0.75m / Ra80	IP66

UGR ≤22 ≤19

Uo ≥0.7 ≥0.8

HOP 50/80/120/200W

3-25m

GB/T 50 034-2024 GB 50 034-2013

6.5

Ra/CRI

Ra=100 Ra≥80 / Ra≥90

UGR

UGR UGR≤22

PstLM

LED PstLM<1.0 LED PWM 3%

6000 ≥95% ≤10% — 10℃ LED

IP

IP 0-6 0-9 / IP65+ + IP67+ IP68

6.6

		(GB/T 50034-2024 + GB 30255-2026)	
1	~100 lm/W	180 lm/W >100W,≥3500K	80%

			LED +
3	~85 lm/W	110 lm/W >100W,≥3500K	<110 lm/W 2027
	≥60	≥80	LED Ra≥90
		UGR≤22	/
		PstLM<1.0	<3%
		6000h≥95%	+ ≤85℃
		≤2.5W	
	IP54	/ IP65+	

-
- <110 lm/W 2027
- UGR
-
- CCC

" " " "

7.1

" " 3C

2026-06-01	GB 37478-2025 / LED	/
2026-12-01	CCC	/
2026-12-31	GB/T 7000.1-2023	
2027-03-31	3C	
2027-09-01	GB 30255-2026 LED	<110lm/W
2029-09-01		

100-120 lm/W LED 3 110 lm/W 2026-2029

	/	_____
/		

- 3C + +
- " " " "_____ TCO/ROI
- 7.3
- 2026-2029

7.2 26

KOMEE 2001 26

26	2001 26	
	60 LED / / /	
	3C UL CE CB ROHS EMC ISO9001	/
	150 +	/

26 " "

7.3 ♦ ♦

- " " 3C
- AI
- " + + +TCO/ROI"

	3C + ≥180 lm/W	
	80W 200W	
	/ /	
TCO/ROI	+ + +	" " " "

I✦

- /
- TCO/ROI "80W 200W"
- AI AI
-

8.1

- 3C CCC cx.cnca.cn
- GB 30 255-2026 2 3
- GB/T 7000.1-2023 GB/T 50 034-2024
- LED

CCC		/	cx.cnca.cn
	1 (lm/W)		energylabel.com.cn
CMA	+EMC+ + CMA		
			" "

① ② ③ / / ④ / " "

8.2

-
- → / / → → →
- 50W-300W 60°/90°/120°
- IES
-

1.		
2.	/ / /	1
3.		2-3
4.		3-7
5.	/	

8.3

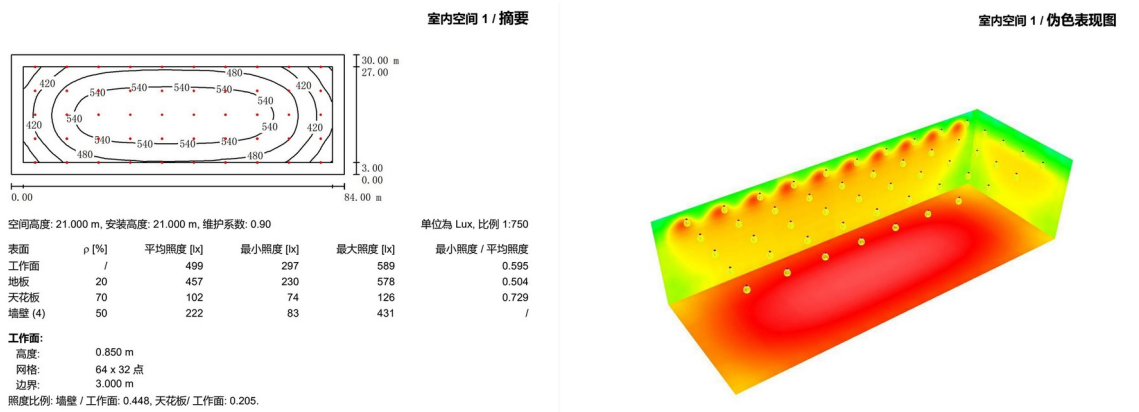
-
- × × / / /
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-

			× ×
/	+	(IP)	/ IP65+
			/
			/ /

8.4

-
- DIALux
- IES IES
- U0 UGR LPD
- GB/T 50 034-2024

		$U_0 \geq 0.6$
	/ /	GB 50034 $\geq 200lx$
	UGR	$UGR \leq 22$
	LPD W/m^2	GB 50034 LPD
	/ /	



8.5 TCO ROI

TCO

TCO Total Cost of Ownership

TCO " "

	200W 100 lm/W	HOP 80W 180 lm/W-1	
	200 /	250 /	1.5 5 51.8
	200W	80W	60%
	20 000 lm	14 400 lm	80W 200W
(12h)	2.4	0.96	1.44
300 (0.8 /)	17.28	6.91	10.37
5	86.4	34.56	5 51.8
5	2.5 2-3	0 5	5 =0

	/		
5 TCO	94.9	42.1	5 TCO 52.8
	—	—	8-12

300 5 51.8 5 TCO 8-12

ROI

ROI

ROI Return on Investment " "

ROI = — ÷ × 100%

= ÷ × 12

TCO/ROI 300 ROI

ROI	200W→ HOP 80W	
	300×250 = 7.5	
	10.37 /	80W 200W 1.44 /
	0.5-1 /	5
	8-12	$7.5 \div 10.37 \times 12$ ≈8.7
ROI	49%	$10.37 + 0.8 - 7.5$ $\div 7.5 \times 100\%$
5	54.3	51.8 + 2.5
5	46.8	$54.3 - 7.5 = 46.8$
5 ROI	624%	$46.8 \div 7.5 \times 100\%$

ROI

—

5

6

6

TCO/

HOP

50W/80W/120W/200W 60°/75°

≤4m	LED /	30-60W	120°	IP65+	/
4-8m	LED	60-120W	120°	IP54+	/
8-12m	LED	100-200W	90°	IP54+	
12-15m	LED	150-300W	60°	IP54+	
>15m	LED	200-500W	60°	IP65+	



科明工业照明

产品选配表

工矿灯系列



H5系列



H6pro系列



H7系列



H8系列



HOP系列

投光灯系列



T7ProMX系列



K系列



M8模组系列



天朗系列

防爆灯系列



工矿灯系列



投光灯系列

球泡灯系列



PL6系列



Par灯系列

8.6

52-35LED/ " "

	LED 55	5 ≤10%5 /	
	LED /	/	
	224-48		
	1/ /		

- /
- 2
- 24-48
- 48 /
- / /

A

				/
1	GB/T 50 034-2024			(2024)
2	GB 30 255-2026	LED	()	2027-09-01
3	GB 37 478-2025	LED	()	2026-06-01
4	GB 38 450-2019	LED	()	
5	GB/T 7000.1-2023	1	(3C)	()
6	GB/T 7000.201-2023	2-1	(3C)	
7	GB/T 7000.202-2023	2-2	(3C)	
8	GB/T 7000.204-2023	2-4	(3C)	
9	GB/T 17 743		EMC(3C)	
10	GB/T 9468			
11	GB/T 33 721	LED		
12	GB 26 572-2025		()	(2026)
13	GB/T 4208	IP		
14	GB 40 070-2021			
15	GB/T 9473-2022			
16	GB 19 044		()	
17	GB 19 510.1	1		
18	GB 19 510.14	14 LED /		

B

3C		https://cx.cnca.cn	CCC / / /
3C		https://www.cnca.gov.cn	CCC / /
		https://www.energylabel.com.cn	/ /
()			
		https://openstd.samr.gov.cn	/ /
		https://cx.cnca.cn	CMA /
		https://www.ccgp.gov.cn	
	12 315	12 315 /	CCC/

C FAQ

Q1 3C

A 2026 12 1 2026 CCC +

Q2 3C 5 5

A CCC 5 GB/T 7000.1-2023 2026 12 31

Q3 2027 9

A 2027 9 1 2 2029 9 3 85 lm/W 110 lm/W 29%

Q4 CQC CCC

A CQC CCC CCC CQC CCC CCC CQC

Q5 3C

A cx.cnca.cn ① " " ② ③ " / "

Q6 LED

A 2027 9 1 / 2029 9 1 2029 9 1

Q7 80W 200W

A 180 lm/W 1 80W 14400 lm 100 lm/W 200W 20000 lm



0533-6 800 888

999

www.komee.com.cn

