

Product Approval

Approval number:

Customer:

Manufacturer: Chengdu HercuLux Photoelectric Technology Co.,Ltd

PN	Code	Product
HK-RG-35@16-15-D6-21-1g-1_ASM	1. 01. 12735. 10	HK Moony 35@16-15 Degree lens
HK-RG-35@16-15-D6-21-1g-1	1. 01. 12735_01	HK Moony 35@16-15 degree lens_01
HK-HG-14@10-0610-S	1. 01. 12624_02. 10	HK Dark 35@16-10 Degree Aw1_02
HK-HG-14@06-0611-S	1. 01. 12624_03. 10	HK Dark 35@16-10 Degree Cover_03





	Supplier confirma	tion	Client confirmation			
Proposed	DATE		Qualified□		D.A.T.F.	
Project manager	DATE		Unqualified□		DATE	
Audit	DATE		Audit		DATE	
Approved	DATE		Approved		DATE	
Stamp	DATE		Stamp		DATE	

(Confirmation of acceptance by both parties must be signed and sealed)

Factory: Chengdu Shuangliu District, Iot industrial park 2 road HercuLux Photoelectric Park

Phone: 028-85887727 (801) 028-85887990 (801) Fax: 028-85887730 http://www.herculux.com/Sales Dept: Shenzhen Nanshan District Nanshan Cloud Valley Innovation Industrial Park Comprehensive Service Building, 501-

TEL: 0755-2937 1541 FAX: 0755-2907 5140

*Approval In duplicate, for both supplier and customer.



Disclaimer

Please use this product within the permitted range and environment according to the structure and material of the product. If the usage exceeds the recommended value, please test and verify by yourself. If the product is damaged due to out-of-range use, our company will not be responsible for the warranty.

Product material:

Customized products: The specifications and models of materials used are subject to the agreement between the two parties.

Conventional products: As a product that we continuously research and improve, under the premise of ensuring the quality and availability of the product, our company reserves the right to change the material. If the material specification and model change, without prior notice.

product data:

The measurement data and dimensional tolerances of the 2D drawings in the product data sheet of this acknowledgement are for reference only, and the final size shall prevail in kind.

The measurement data presented in this acknowledgment is a performance test of the product based on our company's internal test conditions and quality requirements, and the reported data is a typical value of the average results of multiple measurements. Therefore, in some cases, the actual product may deviate from the data provided. We reserve the right to notify you in advance of this data.

Product changes and improvements:

Changes and improvements of customized products are subject to the agreement between the two parties in the contract or technical documents.

As the conventional products that we continue to research and improve, our company reserves the right to make technical changes to its products, and reserves the right to make changes to data resulting from improvements withou t prior notice.

Operation cautions:

- 1. Please wear clean gloves during product assembly to prevent product surface contamination.
- 2. Try to avoid touching the optical surface of the lens when taking the lens.
- 3. When the surface of the product is polluted, please wipe it gently with a soft cotton cloth dipped in analytically pure neutral solvent. It is forbidden to use industrial solvents (alcohol, isopropanol, acetone, ether, toluene, xylene, carbon tetrachloride, MMA monomerm, etc.) wipe.
- 4.The lens made of PC should not be exposed to direct sunlight in the storage and use environment. If the lens turns yellow or cracks due to long-term sunlight exposure, our company will not be responsible for the warranty.

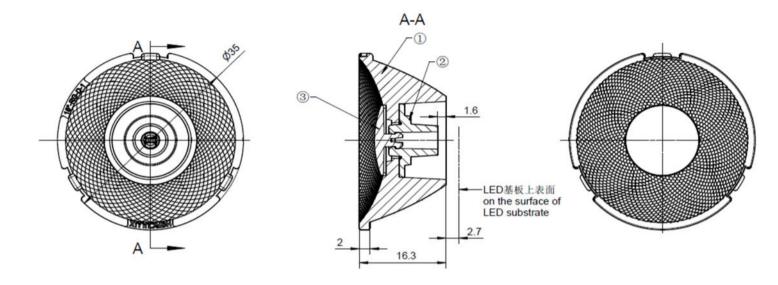


HERCULUX Basic product information

TEL: 0755-2937 1541 FAX: 0755-2907 5140 http://www.herculux.com/ Date updated: 2023/4/27

Product Picture:	
PN:	HK-RG-35@16-15-D6-21-1g-1_ASM
Size(L*W*H/Φ*H):	Ф:35mm; H:16.3mm
Material:	Components (PMMA, ceramic, PC (black))
Effiency:	\
Temperature(Topr):	Material extreme temperature resistance : -40℃ to +120℃ long-term use temperature : -40℃ to +90℃
FWHM:	15°
Matched LES:	Real match D 6 luminous surface
Recommended power Usage:	No more than 10W



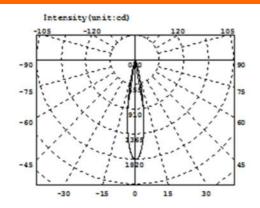


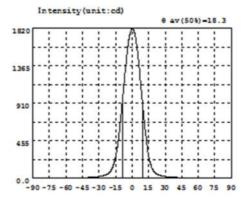
- 1. The 3D map is not indicated for rounded corners and draft angle.
- 2. The dimensional tolerances are not specified according to GB/T 14486 2008 MT5.
- 3, The surface has no flash, shrinkage, bubbles and other defects.

	NO.	Co	ode		Pr	oduct Na	ame	PN			Product	materia	1	
	1	1. 01. 13	2735_01	НК	Moony 35	@16-15 de	gree lens_01	HK-RG-35@16-15-D	6-21-1g-	-1		PC		
	2	1. 01. 126	524_02. 10	Н	K Dark 35	@16-10 De	gree Awl_02	HK-HG-14@10-0	0610-S		ce	ramic		
	③ 1.01.12624_03.10 H		Dark 35@	16-10 Deg	ree Cover_03	HK-HG-14@06-0	0611-S		PC	(black)				
	Optical	desig							Н	K-RG-35(@16-15-D6-21	-1g-1_AS	М	
	ructur	e desi					HK Moony :	35@16-15 Degree		1	.01.12735.	10		
	Rev	iew							mber o	f drawi	qty	we	ight	
	Valid	ation					Material:				CDHK			
0^	~250	250^	~450	>4	450									
+0	80	+1	12	+2	2.0									

											···ate··ait	
MT5 Tolerance	Basic size	<3	3~10	10~24	24~65	65~140	140~250	250~4	50 >	450		
	lerance val	±0.1	±0.15	±0.20	±0.35	±0.50	±0.80	±1.2	±	2.0		







Intensity data: (deg , cd) C0-180

λ	1	λ	1	λ	1	λ	1	λ	I	λ	1
-90.0	0.2147	-58.5	1.097	-27.0	26.01	4.5	1574	36.0	10.21	67.5	0.8182
-88.5	0.2851	-57.0	1.267	-25.5	31.48	6.0	1396	37.5	8.496	69.0	0.6553
-87.0	0.2941	-55.5	1.457	-24.0	38.74	7.5	1185	39.0	7.522	70.5	0.9430
-85.5	0.3824	-54.0	1.558	-22.5	49.00	9.0	962.7	40.5	6.494	72.0	0.5381
-84.0	0.4256	-52.5	1.821	-21.0	63.70	10.5	751.6	42.0	5.775	73.5	0.5464
-82.5	0.4468	-51.0	2.092	-19.5	86.16	12.0	563.8	43.5	4.620	75.0	0.0430
-81.0	0.4376	-49.5	2.404	-18.0	121.7	13.5	400.4	45.0	3.937	76.5	0.4688
-79.5	0.4085	-48.0	2.775	-16.5	175.2	15.0	263.4	46.5	3.309	78.0	0.4169
-78.0	0.4122	-46.5	3.280	-15.0	253.8	16.5	176.1	48.0	2.967	79.5	0.3802
-76.5	0.4378	-45.0	3.912	-13.5	370.9	18.0	118.6	49.5	2.518	81.0	0.3567
-75.0	0.5082	-43.5	4.616	-12.0	521.8	19.5	83.03	51.0	2.078	82.5	0.3518
-73.5	0.5828	-42.0	5.475	-10.5	704.8	21.0	60.93	52.5	0.4810	84.0	0.3445
-72.0	0.6646	-40.5	6.307	-9.0	911.6	22.5	47.00	54.0	1.567	85.5	0.3380
-70.5	0.7336	-39.0	7.240	-7.5	1130	24.0	37.71	55.5	1.364	87.0	0.3362
-69.0	0.7314	-37.5	8.353	-6.0	1342	25.5	31.06	57.0	1.222	88.5	0.3306
-67.5	0.7455	-36.0	9.606	-4.5	1531	27.0	26.06	58.5	1.093	90.0	0.3968
-66.0	0.7430	-34.5	11.16	-3.0	1677	28.5	21.63	60.0	0.9689		
-64.5	0.7613	-33.0	13.17	-1.5	1775	30.0	18.32	61.5	0.8890		
-63.0	0.7958	-31.5	15.33	0.0	1814	31.5	15.53	63.0	0.8135		
-61.5	0.8458	-30.0	18.12	1.5	1792	33.0	13.19	64.5	0.2797		
-60.0	0.9294	-28.5	21.63	3.0	1709	34.5	11.35	66.0	0.6489		

Electricity Parameter:

Current I: 0.1000A Power: 3.279W Voltage V: 32.79V PF: 1.000

Optical Parameter (Distance=2.410m):

Equivalent Luminous flux: Φ eff= 229.71m Efficiency: Eff=70.071m/W

C0-180Plane I0= 1814cd



		S	Standard size	Upper Size limit	Lower size limit	Test result1	Test result2	Test result3	Test result4	Jud gme nt	Remarks
	diamet	er	35			35. 1	35. 1	35. 1	35. 1		Test environment: In 20 °C -25 °C
1.Size	heigh	t	16. 3			16. 43	16. 44	16. 43	16. 44		environment to achieve thermal equilibrium after the
	thickne	ess	2			1.93	1.92	1.93	1.92		test.
						not affect th			•		
			1	See a	attachment	t "Appearan	ce Inspecti	on Standar	ds"		
2.Appear	rance	attac	See chment earance	E	1	No burr	No burr	No burr	No bu	rr	OK
			ection ndards"		N	lo stains	No stains	No stains	No stai	ns	
3.Materia	al	Cor	mponents	(PMMA, ce	eramic, PC	(black))	Color	Tra	nsparent		ОК
4.Optica	to the p	aramet on cap	ters in the	product ba	asic information	confo ation table. al conditions	orm if it is requi s of the use	red to be ou e environme s life	ut of range	. Acco	ording to the heat
I index	angle	-				18. 5	18. 3	18. 3	18. 3		
	K-val	_				7. 76	7. 92	7. 88	7. 92		
	Efficie					58. 04%	57. 54%	58. 54%	57. 54%		
	Facula		e signatu	re sample		`	1				
	ehensive ment		-			<u> </u>	Q	ualified			
					56						
Remarks: 1. Tool Number: V-Vernier Caliper 2D-Quadratic H-Height Gauge M-Tool Microscope P-Needle T-Thick Gauge R-Radius Gauge E-Visual. 2. Ambient temperature on the size of the product refer to the table on the right PC product size changes with temperature table Length 0.8 changes (mm) 0.6 0.4 0.2 0.2 0.2 0.3 0.4 0.5ize: 50mm Size: 150mm Size: 250mm Size: 250mm Size: 300mm (°C)								Size: 100mm Size: 150mm Size: 200mm Size: 250mm Size: 300mm			
2. Try to 3. The le not wipe 4. The w	avoid toucens surface with industry orking tem	ching the is constrial solution	e total ref taminated lvents (ald re of the l	Tection surf d. Only use cohol, isopr ens should	face when a soft cott opanol, ac be within t	taking the loon cloth dip etone, ethe the tempera	ens. ped in anal r, toluene, x ature resista	ytically pure xylene, carb ance limit of	e neutral so oon tetrach f the lens n	olvent iloride nateria	to wipe gently. Do

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temperature resistance limit will cause the lens to crack or melt and affect the service life of the lens. It is recommended that

the upper surface temperature of the LED colloid should be less than 120 degrees.



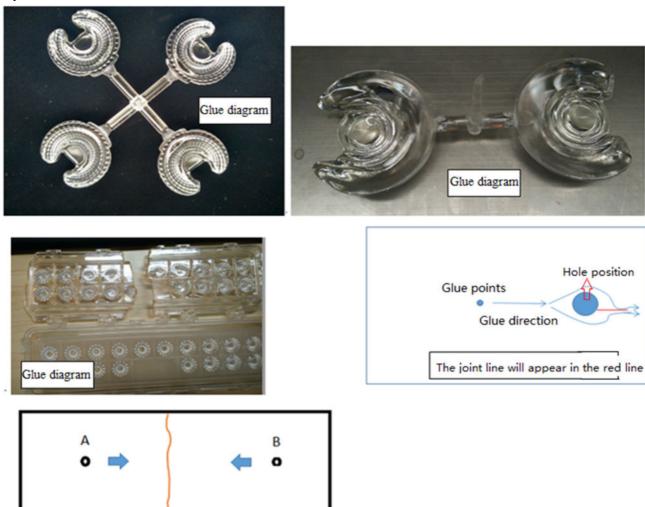
Р	N	HK-RG-35@16-15-D6-21-1	lg-1_ASM	Product Name	HK Moony 35@16	-15 Deg	ree lens
Product	naterial Components (PMMA, ceramic, PC (black))						
Package	diagram	Single Va	ncuum packa	age Bo	ox package		>
Product	nacking	23	A/ Box	4	pcs/Layer		
rioddot	paoking	14	Layer/Box	1288	A/ Carton		
	NO.	Part No	Part name	Size	Dosage	Unit	Remarks
	1	2.07.0075	Blister box	23cm*21cm	56	BAG	
Packagin	2	2.08.0001	PE film	30cm*30cm	56	PCS	
g	3	2.06.0005	Reel label paper	6.2cm*8cm	56	PCS	
Materials	4	2.06.0005	Box label paper	6.2cm*9.2cm	1	PCS	
	5	2.06.0003	big plate	46.8cm*42.8cm	n 15	PCS	
	6	2.06.0015	big flat carton	48cm*44cm*19c	m 1	PCS	
Remarks		The loose packing is not subject	ct to this specif	fication. Customer's	s requirements shall	prevail	



Special notice

When gule pass through holes, columns and other structures, or part of the thin structure, will form a weld line. The product which uses multi-point injection welding line will appear because of the combination of sol, as shown below:

Syntheti



Please note:

The appearance of lines in the structure of the product as well as at the screw hole is a normal phenomenon, will not affect the actual use of the product, and can not be avoided at this stage.

The joint line will appear in the red line



Appearance inspection standards

1 Operating procedures

1.1.1Sampling standards, sampling plan and AQL

Test level: GB/T2828.1-2012The first part is according to the acceptance quality limit (AQL) retrieval batch inspection sampling plan, general inspection level Π level, CR class defect coefficient 0, MA defect rejection level AQL = 0.65, MI class defect rejection level AQL = 1.0; defect level please see 5.4.

2 Code table

Code	Code	Unit	Code	Code	Unit
	description			description	
N	Amount/pcs	pcs	D	Diameter	mm
L	Length	mm	Н	Depth	mm
W	Width	mm	DS	Distance	mm
S	Proportion	mm²	SS	Offset	mm
	·				

3 Test conditions

- 3.1 Sight distance and working hours: Sight distance should be 30-35cm, each side of the inspection time does not exceed 12s, the visual angle of 45-135 degrees;
- 3.2 Light: 2x40w cool white fluorescent lamp, the light source is 500-550mm away from the lens surface; in order to make the appearance defect can be correctly recognized, the illumination should be 500-1000Lux, and the observation time is 10 seconds.
 - 3.3 Visual inspection staff should be 1.0 (including corrected visual acuity) above, no color blindness, color weakness.

4 Appearance inspection standards

Test items	ludging standard	Inspection equipment	Defec		
resciteriis	Judging standard	Testing method	MI	MA	CR
	When start the machine and process, all products have to check the appearance of the sample, the appearance of the sample is divided into qualified samples and limited samples.				
Check the sample	1: Qualified sample refers to the appearance and structure standard of the product which recognized by the client, the sample size should be confirmed before mass production;	Sample comparison , visual			√

1		1	Ī	İ	
	2: The limited sample refers to the limit of a particular exceptionally developed sample. Limit the sample only for its specific point of exception to confirm; The priority is higher than the other criteria in this table. When there is a limited sample, the limit sample shall prevail.				
Raw edge	Not allowed to affect the size and assembly	Visual, point card		√	
Scratch	1: Non-optical surface and non-exposed surface scratches should be visually insignificant and the length is less than 1/10 of the maximum surface size.	Visual, point card, calipers		√	
Fingerprint	Fingerprints are not allowed on all products	Visual		√	
Foreign objects, black spots, white spots	The product may not be attached to foreign objects, including oil, fiber, dregs of water gap and so on				√
Deformation	Insufficient filling shall not affect the appearance of the assembly and the exposed surfaces.	Visual, feeler			√
Poor ejection	Products may not appear bad ejection, including no convex top, thimble printed on the assembly surface shall not be higher than the product surface, non-assembled surface thimble height should not exceed the product size tolerances; thimble printing should be less than the product surface and no more than 0.3; thimble surface treatment should be consistent with the product side. Ejection strain: the optical surface and the appearance of the exposed surface after assembly are not allowed to have a strain,	Visual, point card		√	
Insufficient filling	and the structural surface does not allow visual obvious strain. Insufficient filling shall not affect the appearance of the assembly and the exposed surfaces, The signature sample shall prevail.	Visual, point card		√	
Shrink	When the entire surface of the product shrinks, the optical properties and dimensions must meet the requirements, and the visual will not significantly affect the appearance.Part shrink reference point defects	Visual, point card		√	
Flow marks、Welding line	1 : Product does not allow the presence of flow marks and welding lines unless the structure can not be avoided;	Visual		√	
	2: The remaining flow marks shall not appear in the optical surface, a single L \leq 10mm, no more than two				
Bubble	No bubbles are allowed	Visual		✓	

Foreign objects, black spots, white spots	Not obvious or D ≤ 0.3mm black spots and foreign bodies in the area of 100x100mm not more than 1; Exceeded foreign matter black spots is judged bad.	Visual, point card	V		
Damaged	No damage is allowed	Visual			√
Cold glue	Optical surface may not have cold glue, non- optical surface cold glue should meet the visual is not obvious.	Visual	V		
	1: Do not affect the product size, shall not penetrate the optical surface, the cut should be smooth;				
Bad incision	2: Laser cutting products, the optical surface burns shall not occur after the processing is completed. Beading must not affect product installation	Visual			√
	3: Three molds and hot runner gate shall not appear residue.				
Scrub	Scrub surface should be uniform, off the scrub phenomenon should not be obvious , A single off scrub imprint requires D \leq 1 mm and no more than 1 area within a 50x50 mm area	Visual		√	



Chengdu HercuLux Photoelectric Technology Co.,Ltd **Product Approval**

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PN	Code	Product
HK-RG-35@16-15-D6-21-1g-1_A	1. 01. 12736	HK Moony 35@16-15° lens(D6) _A
HK-RG-35@16-24-D6-21-1g-1	1. 01. 12700	HK Moony 35@16-24° lens(D6)
HK-RG-35@16-36-D6-21-1g-1	1. 01. 12746	HK Moony 35@16-36° lens(D6)
HK-RG-35@16-50-D6-21-1g-1	1. 01. 12927	HK Moony 35@16-50° lens(D6)



	Supplier	confirmatio	n		Client con	firmation	
Proposed		DATE		Qualified□			
Project manager		DATE		Unqualified□		DATE	
Audit		DATE		Audit		DATE	
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Stamp		DATE DATE		Stamp		DATE	

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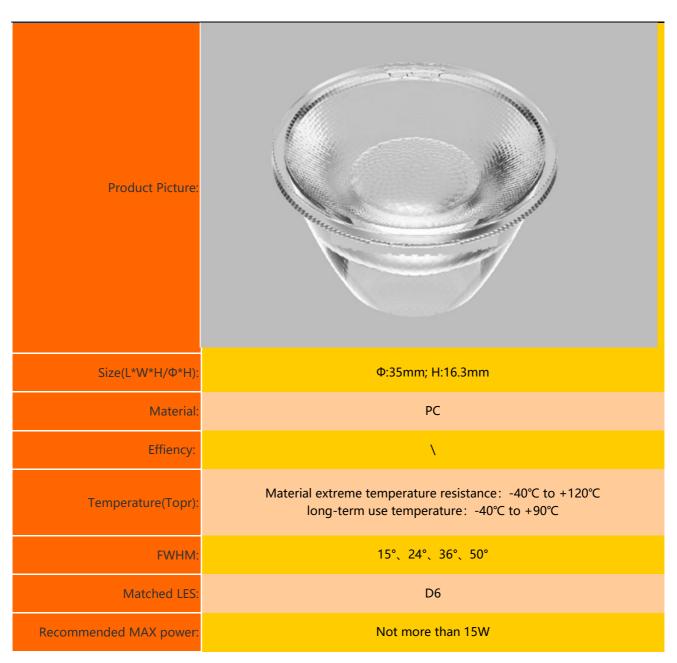
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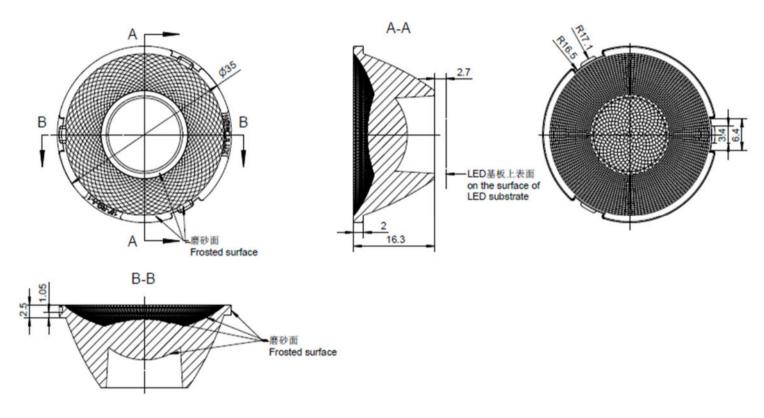


Basic product information

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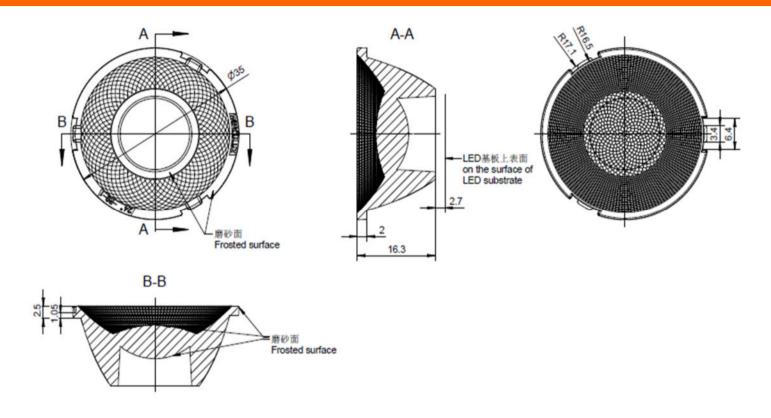


- 1. The 3D map is not indicated for rounded corners and draft angle.
- 2. The dimensional tolerances are not specified according to GB/T 14486 2008 MT5.
- 3, The surface has no flash, shrinkage, bubbles and other defects.
- *4. When the lamp adopts rubber ring for waterproofing: the roughness of the contact surface between the radiator and the rubber ring is required: $Ra<3.2\mu m$

	Optical	design						Н	K-RG-3	5@16-15-D6-2	1-1g-1_	A
	tructur	ucture desig				HK Moony 35(@16-15º lens(D6) _A			1.01.12736		
	Rev	Review						umber o	f drawin	qty	wei	ght
	I.C.V	ICVV										
	Valid	ation				Material:	PC			CDHK		
^	~250	250^	~450	>	450							

							V	illuation				iviateriar:	FC	CDIIK
MT5 Tolerance	Basic size	<3	3∼10	10~24	24~65	65~140	140~25	0 250	~450	>4	50			
	olerance valu	±0.1	±0.15	±0.2	±0.35	±0.50	±0.80	+	1.2	±2	.0			



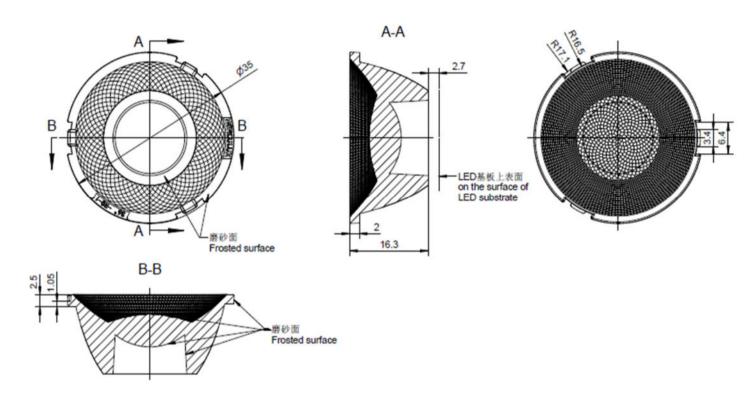


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	Optical	design						HK-RG-	35@16-24-D6-2	21-1g-1
	tructur	e desig				HK Moony 35	5@16-24º lens(D6)		1.01.12700	
r	Rev	iew						umber of drawin	qty	weight
	Valid	ation				Material:	PC		CDHK	
0^	~250	250~	~450	>4	450					

MT5 Tolerance	Basic size	<3	3~10	10~24	24~65	65~140	140~250	250~450	>450	0		
	olerance valu	±0.1	±0.15	±0.2	±0.35	±0.50	±0.80	±1.2	±2.0)		



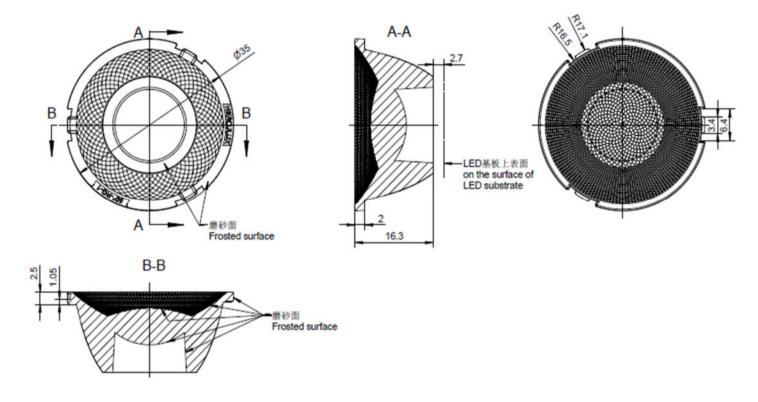


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١	Optical	design								HK-RG-	35@16-36-D6-	21-1g-1	
	tructur	ructure desig					HK Moony 35	5@16-36º lens(D6)			1.01.12746		
	Rev	iew							umber o	f drawin	qty	wei	ght
	Validation						Material:	PC			CDHK		
_	250 250~450 >450												

							٠,	anuation				iviateriai:	FC	CDIIK
MT5 Tolerance	Basic size	<3	3∼10	10~24	24~65	65~140	140~25	50 250	~450	>45	50			
	olerance valu	±0.1	±0.15	±0.2	±0.35	±0.50	±0.80		1.2	±2.0	0			





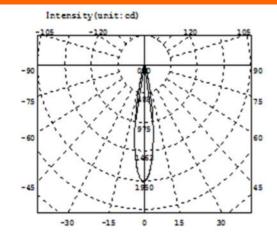
- 1. The 3D map is not indicated for rounded corners and draft angle.
- 2. The dimensional tolerances are not specified according to GB/T 14486 2008 MT5.
- 3, The surface has no flash, shrinkage, bubbles and other defects.
- *4. When the lamp adopts rubber ring for waterproofing: the roughness of the contact surface between the radiator and the rubber ring is required: $Ra<3.2\mu m$

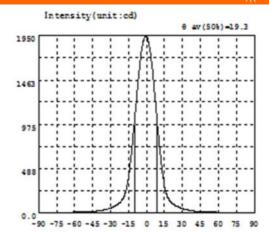
I	Optical	design								HK-RG-	35@16-50-D6-	21-1g-1	
	tructur	ucture desig					HK Moony 35	5@16-50º lens(D6)			1.01.12927		
	Pov	Review					umber o	f drawin	qty	wei	ght		
ı	hev	Review											
	Valid:	Validation				Material:	PC			CDHK			
-	~250	250~	~450	>4	450								

							V	iluation				IVIA	ateriar:	r C	CDTIK
MT5 Tolerance	Basic size	<3	3∼10	10~24	24~65	65~140	140~250	250	~450	>4	50				
	olerance valu	±0.1	±0.15	±0.2	±0.35	±0.50	±0.80	±	L.2	±2.	.0				

D6







Intensity data: (deg , cd) C0-180

	,	_		,	_					,	_
λ	I	λ	1	λ	I	λ	I	λ	I	λ	I
-90.0	0.2486	-58.5	4.365	-27.0	66.44	4.5	1632	36.0	23.84	67.5	0.8438
-88.5	0.2600	-57.0	4.986	-25.5	77.01	6.0	1440	37.5	20.77	69.0	0.7072
-87.0	0.2492	-55.5	5.664	-24.0	89.40	7.5	1222	39.0	18.22	70.5	0.6305
-85.5	0.2498	-54.0	6.426	-22.5	104.9	9.0	1001	40.5	16.09	72.0	0.6108
-84.0	0.2513	-52.5	7.294	-21.0	126.4	10.5	788.6	42.0	14.25	73.5	0.6514
-82.5	0.2729	-51.0	8.178	-19.5	157.7	12.0	595.2	43.5	12.64	75.0	0.4917
-81.0	0.3066	-49.5	9.123	-18.0	205.1	13.5	429.3	45.0	11.17	76.5	0.4557
-79.5	0.5536	-48.0	10.19	-16.5	277.4	15.0	291.0	46.5	9.745	78.0	0.3853
-78.0	0.4379	-46.5	11.36	-15.0	392.1	16.5	212.6	48.0	8.534	79.5	0.3283
-76.5	0.4828	-45.0	12.71	-13.5	547.2	18.0	162.7	49.5	7.478	81.0	0.2825
-75.0	0.5381	-43.5	14.25	-12.0	731.4	19.5	130.0	51.0	6.558	82.5	0.2645
-73.5	0.5546	-42.0	16.06	-10.5	939.7	21.0	107.9	52.5	5.765	84.0	0.2808
-72.0	0.6235	-40.5	18.18	-9.0	1158	22.5	92.02	54.0	5.086	85.5	0.2797
-70.5	0.6991	-39.0	20.64	-7.5	1374	24.0	79.34	55.5	4.429	87.0	0.3200
-69.0	0.9265	-37.5	23.50	-6.0	1576	25.5	68.39	57.0	3.848	88.5	0.3318
-67.5	1.343	-36.0	26.99	-4.5	1746	27.0	58.84	58.5	3.302	90.0	0.3458
-66.0	1.795	-34.5	31.29	-3.0	1868	28.5	50.60	60.0	2.787		
-64.5	2.289	-33.0	36.40	-1.5	1935	30.0	43.48	61.5	2.303		
-63.0	2.815	-31.5	42.39	0.0	1944	31.5	37.21	63.0	1.811		
-61.5	3.307	-30.0	49.19	1.5	1892	33.0	31.91	64.5	1.464		
-60.0	3.835	-28.5	57.19	3.0	1787	34.5	27.50	66.0	1.119		

Electricity Parameter:

Current I: 0.1000A Power: 3.250W Voltage V: 32.50V PF: 1.000

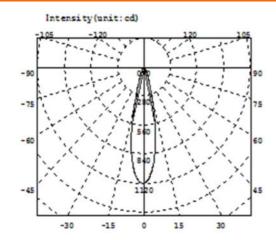
Optical Parameter (Distance=2.410m):

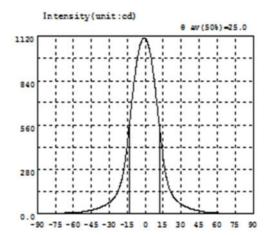
Equivalent Luminous flux: Φ eff= 308.4lm Efficiency: Eff=94.90lm/W

C0-180Plane I0= 1944cd

IES----







Intensity data: (deg , cd) C0-180

λ	1	λ	1	λ	I	λ	1	λ	I	λ	1
-90.0	0.3164	-58.5	5.078	-27.0	88.25	4.5	1000	36.0	35.54	67.5	0.8200
-88.5	0.2828	-57.0	6.038	-25.5	101.8	6.0	930.8	37.5	31.28	69.0	0.7459
-87.0	0.3164	-55.5	7.114	-24.0	119.3	7.5	846.9	39.0	27.44	70.5	0.6661
-85.5	0.3487	-54.0	8.354	-22.5	143.2	9.0	752.9	40.5	23.90	72.0	0.5862
-84.0	0.3821	-52.5	9.793	-21.0	175.5	10.5	650.8	42.0	20.68	73.5	0.3159
-82.5	0.4381	-51.0	11.37	-19.5	217.6	12.0	546.3	43.5	17.67	75.0	0.4411
-81.0	0.4843	-49.5	13.14	-18.0	273.5	13.5	445.7	45.0	15.06	76.5	0.3973
-79.5	0.3181	-48.0	15.10	-16.5	348.9	15.0	352.8	46.5	12.78	78.0	0.3621
-78.0	0.5803	-46.5	17.30	-15.0	439.2	16.5	272.6	48.0	10.83	79.5	0.3254
-76.5	0.6291	-45.0	19.70	-13.5	541.0	18.0	216.4	49.5	9.111	81.0	0.3228
-75.0	0.6873	-43.5	22.48	-12.0	648.8	19.5	173.8	51.0	7.629	82.5	0.3200
-73.5	0.7899	-42.0	25.66	-10.5	755.3	21.0	142.1	52.5	6.335	84.0	0.3195
-72.0	1.001	-40.5	29.32	-9.0	851.6	22.5	118.7	54.0	5.247	85.5	0.2680
-70.5	1.234	-39.0	33.20	-7.5	934.8	24.0	100.9	55.5	4.276	87.0	0.2500
-69.0	1.505	-37.5	37.58	-6.0	1003	25.5	86.90	57.0	3.467	88.5	0.2355
-67.5	1.809	-36.0	42.40	-4.5	1056	27.0	75.74	58.5	2.767	90.0	0.2519
-66.0	2.152	-34.5	47.79	-3.0	1092	28.5	66.54	60.0	2.197		
-64.5	2.536	-33.0	53.79	-1.5	1109	30.0	58.74	61.5	1.739		
-63.0	3.011	-31.5	60.56	0.0	1109	31.5	51.86	63.0	1.441		
-61.5	3.578	-30.0	68.29	1.5	1091	33.0	45.79	64.5	1.050		
-60.0	4.268	-28.5	77.37	3.0	1054	34.5	40.41	66.0	0.8940		

Electricity Parameter:

Current I: 0.1000A Power: 3.700W Voltage V: 37.00V PF: 1.000

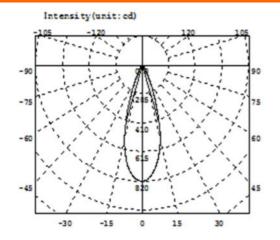
Optical Parameter (Distance=2.410m):

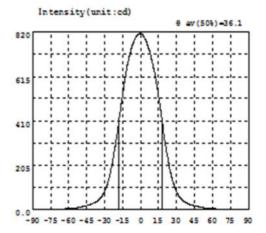
Equivalent Luminous flux: Φ eff= 294.2lm Efficiency: Eff=79.52lm/W

CO-180Plane IO= 1109cd

IES----







Intensity data: (deg , cd) C0-180

λ	I	λ	I	λ	I	λ	I	λ	1	λ	I
-90.0	0.3822	-58.5	3.263	-27.0	129.5	4.5	780.9	36.0	37.37	67.5	0.9326
-88.5	0.3430	-57.0	4.086	-25.5	162.1	6.0	759.3	37.5	31.89	69.0	0.8306
-87.0	0.3027	-55.5	5.017	-24.0	201.7	7.5	733.0	39.0	27.55	70.5	0.7206
-85.5	0.2562	-54.0	6.106	-22.5	245.2	9.0	702.0	40.5	23.91	72.0	0.6068
-84.0	0.2208	-52.5	7.348	-21.0	297.0	10.5	665.3	42.0	20.79	73.5	0.5186
-82.5	0.2600	-51.0	8.787	-19.5	353.0	12.0	623.7	43.5	18.06	75.0	0.4507
-81.0	0.3103	-49.5	10.37	-18.0	411.5	13.5	576.1	45.0	15.63	76.5	0.4310
-79.5	0.3828	-48.0	12.17	-16.5	471.8	15.0	524.6	46.5	13.49	78.0	0.3915
-78.0	0.4540	-46.5	14.23	-15.0	530.6	16.5	468.9	48.0	11.58	79.5	0.3866
-76.5	0.5858	-45.0	16.48	-13.5	586.1	18.0	409.8	49.5	9.877	81.0	0.3858
-75.0	0.5618	-43.5	19.02	-12.0	635.7	19.5	345.5	51.0	8.382	82.5	0.3938
-73.5	0.5818	-42.0	21.75	-10.5	680.2	21.0	292.2	52.5	7.066	84.0	0.3678
-72.0	0.6231	-40.5	24.84	-9.0	717.7	22.5	242.9	54.0	5.901	85.5	0.3195
-70.5	0.6699	-39.0	28.65	-7.5	748.7	24.0	198.5	55.5	4.792	87.0	0.2607
-69.0	0.7093	-37.5	33.09	-6.0	772.3	25.5	160.0	57.0	3.847	88.5	0.2682
-67.5	0.8750	-36.0	38.61	-4.5	790.9	27.0	127.9	58.5	2.995	90.0	0.2725
-66.0	0.9799	-34.5	45.91	-3.0	803.5	28.5	102.2	60.0	2.285	i i	
-64.5	1.245	-33.0	55.32	-1.5	811.9	30.0	82.11	61.5	1.672		
-63.0	1.521	-31.5	67.23	0.0	814.6	31.5	65.91	63.0	1.321		
-61.5	1.950	-30.0	82.99	1.5	810.4	33.0	53.72	64.5	1.100		
-60.0	2.561	-28.5	103.4	3.0	797.6	34.5	44.46	66.0	0.9969		

Electricity Parameter:

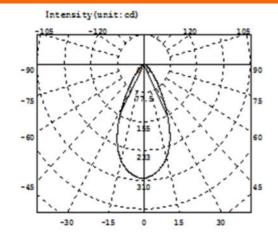
Current I: 0.1000A Power: 0.2700W Voltage V: 2.700V PF: 1.000

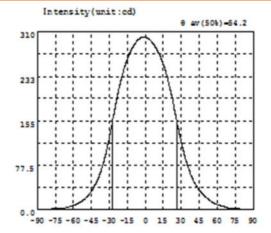
Optical Parameter (Distance=2.559m):

Equivalent Luminous flux: Φ eff= 343.4lm Efficiency: Eff=1272.10lm/W

C0-180Plane I0= 814.6cd







Intensity data: (deg , cd) C0-180

λ	I	λ	I	λ	I	λ	I	λ	I	λ	1
-90.0	0.3051	-58.5	7.724	-27.0	157.9	4.5	295.4	36.0	72.21	67.5	3.328
-88.5	0.3280	-57.0	9.181	-25.5	174.2	6.0	291.7	37.5	63.44	69.0	2.664
-87.0	0.3059	-55.5	10.85	-24.0	190.1	7.5	287.3	39.0	55.70	70.5	2.125
-85.5	0.3271	-54.0	12.75	-22.5	205.3	9.0	282.3	40.5	49.00	72.0	1.684
-84.0	0.3386	-52.5	14.91	-21.0	219.3	10.5	276.7	42.0	43.25	73.5	1.313
-82.5	0.3390	-51.0	17.33	-19.5	232.0	12.0	270.3	43.5	38.23	75.0	1.002
-81.0	0.3616	-49.5	20.14	-18.0	243.5	13.5	262.9	45.0	33.84	76.5	0.7624
-79.5	0.4395	-48.0	23.36	-16.5	253.7	15.0	254.5	46.5	30.00	78.0	0.5774
-78.0	0.5005	-46.5	27.16	-15.0	262.6	16.5	244.8	48.0	26.61	79.5	0.4525
-76.5	0.6170	-45.0	31.42	-13.5	270.4	18.0	233.9	49.5	23.38	81.0	0.3906
-75.0	0.7977	-43.5	36.30	-12.0	277.3	19.5	221.6	51.0	20.38	82.5	0.3374
-73.5	1.014	-42.0	41.81	-10.5	283.2	21.0	208.1	52.5	17.65	84.0	0.3248
-72.0	1.252	-40.5	48.14	-9.0	288.4	22.5	193.6	54.0	15.30	85.5	0.3674
-70.5	1.578	-39.0	55.44	-7.5	292.8	24.0	178.4	55.5	13.21	87.0	0.3665
-69.0	1.932	-37.5	63.88	-6.0	296.3	25.5	162.6	57.0	11.31	88.5	0.3514
-67.5	2.380	-36.0	73.38	-4.5	299.1	27.0	147.1	58.5	9.739	90.0	0.2541
-66.0	2.892	-34.5	84.41	-3.0	300.9	28.5	132.2	60.0	8.326		
-64.5	3.589	-33.0	96.72	-1.5	301.7	30.0	118.1	61.5	7.054		
-63.0	4.404	-31.5	110.3	0.0	301.6	31.5	104.8	63.0	5.993		
-61.5	5.332	-30.0	125.4	1.5	300.4	33.0	92.75	64.5	5.002		
-60.0	6.444	-28.5	141.5	3.0	298.3	34.5	81.95	66.0	4.122		

Electricity Parameter:

Current I: 0.1000A Power: 3.358W Voltage V: 33.59V PF: 1.000

Optical Parameter (Distance=2.410m):

Equivalent Luminous flux: 4 eff= 271.8lm Efficiency: Eff=80.95lm/W

Diffuse angle: @(25%): 71.0deg@(50%): 54.2deg@(75%): 39.0deg@(50%): 54.2deg

Diffuse angle: @(25%): 71.1deg@(50%): 54.2deg@(75%): 39.1deg@(50%): 54.2deg

Imax=301.8cd (C=0.0deg, G=-1.0deg)

C0-180Plane Imax= 301.8cd (G=-1.0deg)

C0-180Plane IO= 301.6cd



		s	Standard size	Upper Size limit	Lower size	Test result1	Test result2	Test result3	Test result4	Judg men t	Remarks
	diamet	ter	35			35. 14	35. 08	35. 14	35. 08		Test environment: In 20 °C -25 °C
1.Size	heigh	nt	16. 3			16. 43	16. 43	16. 43	16. 43		environment to achieve thermal
	thickn	ess	2			2.02	2.02	2. 02	2.02		equilibrium after the test.
				Gate	e shear can	not affect tl	ne appearan	ice of the lai	mp		
				See	e attachmer	t "Appearar	nce Inspectio	on Standard	s"		
2.Appea		"Appea	achment arance	E	1	No burr	No burr	No burr	No bu	rr	ок
Quality			ection dards"	_	N	o stains	No stains	No stains	No stai	ns	
3.Materia	al		<u> </u>	PC			Color	Tra	nsparent		OK
	Гesting	LEC					D6				
4.Optica									•		
	angl	е				19.3	19. 4	19.5	19. 2		
	K-val (CD/L					6. 32	6. 32	6. 34	6. 57		
	Efficie		_			79.2%	79. 9%	79. 7%	81.0%		
	FaculaS	ee the	signature	sample		`				1	
Compre ve judgi						L	Qualif	ied			
Remarks 1、Tool Vernier (Quadrati Gauge M Microsco Thick Ga Gauge E 2、Amb on the si refer to the	Number Caliper 2 c H-Hei M-Tool ope P-Ne auge R-F E-Visual. vient tem ze of the	PD- ght eedle T Radius peratu e produ	ch (T- ure uct	ength 0.9 langes 0.8 (mm) 0.7 0.6 0.5 0.4 0.3 0.2 0.1	PC produ	ct size cha	nges with t	temperatur 30	table 40 (°C)	Si Si × Si × Si	ze: 50mm ze: 100mm ze: 150mm ze: 200mm ze: 250mm ze: 300mm

- 1. Please wear clean gloves during the lens assembly process to prevent the lens surface from being contaminated.
- Try to avoid touching the total reflection surface when taking the lens.
 The lens surface is contaminated. Only use a soft cotton cloth dipped in analytically pure neutral solvent to wipe gently. Do not wipe with industrial solvents (alcohol, isopropanol, acetone, ether, toluene, xylene, carbon tetrachloride, MMA Body,
- 4. The working temperature of the lens should be within the temperature resistance limit of the lens material. Exceeding the temperature resistance limit will cause the lens to crack or melt and affect the service life of the lens. It is recommended that the upper surface temperature of the LED colloid should be less than 120 degrees.



		Standar d size	Upper Size Iimit	Lower size limit	Test result1	Test result2	Test result3	Test result4	Test result5	Test result6	Test result7	Test result8	Jud gme nt	Remarks
	diamet er	35	/		35.02	35.07	35.01	34.97	34.98	35.03	35.02	35.03		environment:
1.Size	height	16.3			16.34	16.35	16.39	16.35	16.33	16.29	16.29	16.35		In 20 ℃ -25 ℃
	thickn	2			2.03	2.05	2.07	2.07	2.03	2.01	2.03	2.07		environment to achieve
	ess	<u> </u>		Gat	te shear	can not	affect th	ne appea	arance c	f the lar	np	<u> </u>		thermal
				Se	e attach	ment "A	ppearar	ice Insp	ection S	tandard	s"			
2.Appea	ran _{"∆r}	See achment opearanc	E		No bu	ırr	No	burr	No burr			No burr		ОК
ce Quaii	e Ir	spection andards"			No sta	ins	No s	tains	No s	tains	N	o stains		
3.Materi	al			PC			Co	lor		Tra	nsparer	nt		OK
	sting LI							D6						
4.Optic		ted to pre	on capability of the lamp and the actual conditions of the use environment, the lens should be fully tested at to prevent the lens life. See light distribution curve											
ai iliuux	angle				2	25	1	. 4	ĺ	. 4	25	5. 9		
	K-				3.	78	3.	67	3.	64	3.	75		
	value ficien				77.	. 7%	77.	7%	77.	4%	78.	. 2%		
	acu Se	the sign	ature san	nple	ı	`	ı		ı					
compre sive								Quali	ified					
Remarks 1、Tool Vernier (Quadrat Gauge N Microsco Needle Gauge F Gauge E 2、Amb tempera size of th refer to t	Numbe Caliper 2 ic H-Hei M-Tool ope P- T-Thick R-Radius E-Visual oient ture on	2D-ight	changes (mm)	0.9		t size ch	nanges		mperat	ure tal	2 → 2 → 3 → 3 → 3	Size: 5 Size: 6 Size: 6 Size: 6 Size: 6 Size: 6 Size: 6	100mn 150mn 200mn 250mn	า า า

- 1. Please wear clean gloves during the lens assembly process to prevent the lens surface from being contaminated.
- Try to avoid touching the total reflection surface when taking the lens.
 The lens surface is contaminated. Only use a soft cotton cloth dipped in analytically pure neutral solvent to wipe gently. Do not wipe with industrial solvents (alcohol, isopropanol, acetone, ether, toluene, xylene, carbon tetrachloride, MMA Body,
- 4. The working temperature of the lens should be within the temperature resistance limit of the lens material. Exceeding the temperature resistance limit will cause the lens to crack or melt and affect the service life of the lens. It is recommended that the upper surface temperature of the LED colloid should be less than 120 degrees.



			tandar d size	Upper Size Iimit	Lower size limit	Test result1	Test result2	Test result3	Test result4	Test result5	Test result6	Test result7	Test result8	Jud gme nt	Remarks
	diamer	et	35			#####	#####	#####	#####	#####	#####	#####	#####		l est environment:
1.Size	heigh	ht	16. 3			#####	#####	#####	#####	#####	#####	#####	#####		In 20 °C -25 °C
	thickess		2			2.06	2.02	2.09	1.99	2.03	2.00	2.00	2.03		environment to achieve thermal
		•			Gat	e shear	can not	affect th	e appea	arance o	f the lar	np			5.10111131
					See	e attachı	ment "Aլ	ppearan	ce Insp	ection S	tandard	s"			
2.Appea	ıran "	attach	ee nment earanc	E		No bu	rr	No	burr	No	burr	1	No burr		OK
ce Quali	ity e	Insp	ection lards"	_		No stai	ns	No s	tains	No s	tains	N	o stains		OIX
3.Materi	al			F	PC			Co	olor		Tra	ınspareı	nt		OK
	esting	LE							D6						
4.Optic	confo the h teste	orm to eat d	the pa issipati	ed power arameters on capab I to preve	s in the polity of the	roduct b e lamp a	asic info	ormation	table. i	f it is rec	uired to	be out	of range	. Acc	
al index	FWH	IM					Se	ee light o	distributi	on curve	Э				
	angl					36.1	35. 5	36. 2	36. 2	35. 5	34.8	35.2	34. 9		
	K- valu					2. 37	2.40	2.35	2.35	2.40	2.50	2. 45	2. 48		
	fici	en				78. 7%	78.9%	78.0%	78.9%	78.9%	80.3%	79.4%	79.6%		
		See th	ne signa	ature san	nple		`								
sive									Qual	ified					
Remarks 1. Tool Vernier of Quadrat Gauge M Microsco Needle of Gauge E Gauge E 2. Amb tempera size of th refer to the	Numb Calipe ic H-F M-Too ope P- T-Thic R-Rad E-Visu bient ture o the pro the tal	er 2D- leight I - kk ius al. on the	t t	(0.9	produc	t size ch	nanges		mperation 30		2 → 3 → 4 → 4	Size:	100mn 150mn 200mn 250mn	n n n

- 1. Please wear clean gloves during the lens assembly process to prevent the lens surface from being contaminated.
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 The lens surface is contaminated. Only use a soft cotton cloth dipped in analytically pure neutral solvent to wipe gently. Do not wipe with industrial solvents (alcohol, isopropanol, acetone, ether, toluene, xylene, carbon tetrachloride, MMA Body,
- 4. The working temperature of the lens should be within the temperature resistance limit of the lens material. Exceeding the temperature resistance limit will cause the lens to crack or melt and affect the service life of the lens. It is recommended that the upper surface temperature of the LED colloid should be less than 120 degrees.



	Standard size	Upper Size limit	Lower size limit	Test result1	Test result2	Test result3	Test result4	Jud gme nt	Remarks
diameter	35			35. 16	35. 13	35. 16	35. 13		Test environment: In 20 °C -25 °C
height	16. 3			16. 29	16. 28	16. 29	16. 28		environment to achieve thermal
thicknes s	2			2.01	2	2.01	2		equilibrium after the test.
		Ga	te shear ca	n not affect	the appear	ance of the	lamp		
		Se	e attachme	ent "Appear	ance Insped	ction Standa	ards"		
rance		_		No burr	No burr	No burr	No bur	rr	OK
li	nspection		N	lo stains	No stains	No stains	No staiı	ns	OK
al		PC			Color	Tra	nsparent		OK
esting LE	EC .				D6	•			
to the hea	at dissipatior	n capability	of the lam	p and the a	ctual condit	ions of the			
angle				54. 2	53. 9	53. 9	52. 7		
	c			67.6%	65.6%	65. 3%	67. 6%	_	
acul: See	the signatu	re sample		,					
hensi ment				•	Qı	ualified			
	/_ cl	hanges 0.8		uct size ch	anges witl	h tempera	ture table		ize: 50mm
	height thickness s rance "A III S al esting LE The size conform to the head be fully te FWHM angle K-value (CD/LM) Efficient acul See hensi ment	diameter 35 height 16.3 thicknes 2 rance See attachment "Appearance Inspection Standards" al esting LEI The size and rated poconform to the param to the heat dissipation be fully tested and test FWHM angle K-value (CD/LM) Ifficienc acult See the signature hensiment See L Number: V- Cd	size Size limit diameter 35 height 16.3 thicknes 2 Gat See attachment "Appearance Inspection Standards" al PC esting LEI The size and rated power of the conform to the parameters in th to the heat dissipation capability be fully tested and tested to pre FWHM angle K-value (CD/LM) Efficienc acul See the signature sample hensi ment S: Length 0.9 changes 0.8	size Size limit size limit diameter 35 height 16. 3 thicknes 2 Gate shear ca See attachment "Appearance Inspection Standards" al PC esting LEI The size and rated power of the light-emittic conform to the parameters in the product be to the heat dissipation capability of the lambe fully tested and tested to prevent the ler FWHM angle K-value (CD/LM) Efficienc acul See the signature sample hensiment PC prod Length 0.9 Changes 0.8	size Size limit size limit result1 diameter 35	size Size limit size limit result1 result2 diameter 35 35.16 35.13 height 16.3 16.29 16.28 thicknes 2 2.01 2 Gate shear can not affect the appear See attachment "Appearance Inspection Standards" A PC Color esting LEI D6 The size and rated power of the light-emitting surface (LES) of the conform to the parameters in the product basic information table. to the heat dissipation capability of the lamp and the actual condit be fully tested and tested to prevent the lens life. FWHM See light distribution and the size in the product basic information table. The size and rated power of the light-emitting surface (LES) of the conform to the parameters in the product basic information table. The product basic information table is to the heat dissipation capability of the lamp and the actual condition be fully tested and tested to prevent the lens life. FWHM See light distribution and the size the signature sample hensiment CQ PC product size changes with the size in the	size Size limit size limit result1 result2 result3 diameter 35 35.16 35.13 35.16 height 16.3 16.29 16.28 16.29 thicknes 2 2.01 2 2.01 Gate shear can not affect the appearance of the See attachment "Appearance Inspection Standards" No burr No burr No burr No burr No stains No stains No stains No stains No stains No stains No stains PC Color Tra esting LEI D6 The size and rated power of the light-emitting surface (LES) of the COB reconform to the parameters in the product basic information table. if it is required to the heat dissipation capability of the lamp and the actual conditions of the be fully tested and tested to prevent the lens life. FWHM See light distribution curve angle K-value (CD/LM) fficienc 67.6% 65.6% 65.3% PC product size changes with tempera calculations of the mension of the size changes o.8 PC product size changes with tempera calculations of the mension of the size changes o.8	size Size limit size limit result1 result2 result3 result4 diameter 35 35 35.16 35.13 35.16 35.13 height 16.3 16.29 16.28 16.29 16.28 thicknes 2 2.01 2 2.01 2 Gate shear can not affect the appearance of the lamp See attachment "Appearance Inspection Standards" No burr No burr No burr No burr No burr No burr Standards" PC Color Transparent esting LEI D6 The size and rated power of the light-emitting surface (LES) of the COB recommended conform to the parameters in the product basic information table. If it is required to be of to the heat dissipation capability of the lamp and the actual conditions of the use environ be fully tested and tested to prevent the lens life. FWHM See light distribution curve angle F-value (CD/IM) ifficienc 67.6% 65.6% 65.3% 67.6% PC product size changes with temperature table. Length 0.9 changes 0.8 PC product size changes with temperature table.	Standard Size Size limit size limit result1 result2 result3 result4 gme nt result4 res

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PI	N	HK-RG-35@16-15-D6-21	-1g-1_A	Product Name	HK Moony 35@16-	15º lens	(D6) _A
Product	material			PC			
Package	diagram	Single Va	cuum packa	ge Bo	ox package		~
Product	packing	23	A/ Box	4	pcs/Layer		
	. 3	13	Layer/Box	1196	A/ Carton		
	NO.	Part No	Part name	Size	Dosage	Unit	Remarks
	1	2.07.0075	Blister box	23cm*21cm	52	BAG	
Dookogin	2	2.08.0001	PE film	30cm*30cm	52	PCS	
Packagin g	3	2.06.0005	Reel label paper	6.2cm*8cm	52	PCS	
Materials	4	2.06.0005	Box label paper	6.2cm*9.2cm	1	PCS	
	5	2.06.0003	big plate	46.8cm*42.8cr	m 14	PCS	
	6	2.06.0015	big flat carton	48cm*44cm*19	cm 1	PCS	
Remarks		The loose packing is not subject	ct to this specif	fication. Customer	's requirements shall	prevail	

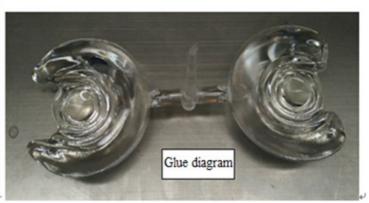


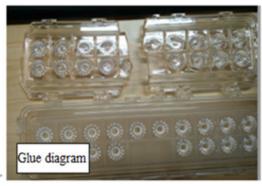
Special notice

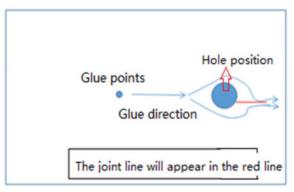
When gule pass through holes, columns and other structures, or part of the thin structure, will form a weld line. The product which uses multi-point injection welding line will appear because of the combination of sol, as shown below:

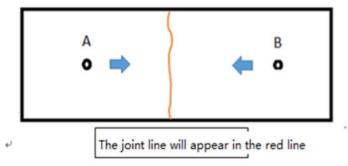
Syntneti











Please note:

The appearance of lines in the structure of the product as well as at the screw hole is a normal phenomenon, will not affect the actual use of the product, and can not be avoided at this stage.



Appearance inspection standards

1 Operating procedures

1.1.1Sampling standards, sampling plan and AQL

Test level: GB/T2828.1-2012The first part is according to the acceptance quality limit (AQL) retrieval batch inspection sampling plan, general inspection level Π level, CR class defect coefficient 0, MA defect rejection level AQL = 0.65, MI class defect rejection level AQL = 1.0; defect level please see 5.4.

2 Code table

Code	Code	Unit	Code	Code	Unit
	description			description	
N	Amount/pcs	pcs	D	Diameter	mm
L	Length	mm	Ħ	Depth	mm
W	Width	mm	DS	Distance	mm
S	Proportion	mm²	SS	Offset	mm

3 Test conditions

- 3.1 Sight distance and working hours: Sight distance should be 30-35cm, each side of the inspection time does not exceed 12s, the visual angle of 45-135 degrees;
- 3.2 Light: 2x40w cool white fluorescent lamp, the light source is 500-550mm away from the lens surface; in order to make the appearance defect can be correctly recognized, the illumination should be 500-1000Lux, and the observation time is 10 seconds.
 - 3.3 Visual inspection staff should be 1.0 (including corrected visual acuity) above, no color blindness, color weakness.

4 Appearance inspection standards

Test items	ludging standard	Inspection equipment	Defec	t level	
resciteriis	Judging standard	Testing method	MI	MA	CR
	When start the machine and process, all products have to check the appearance of the sample, the appearance of the sample is divided into qualified samples and limited samples.				
Check the sample	1: Qualified sample refers to the appearance and structure standard of the product which recognized by the client, the sample size should be confirmed before mass production;	Sample comparison , visual			√

1		Ī	1	Ī	
	2: The limited sample refers to the limit of a particular exceptionally developed sample. Limit the sample only for its specific point of exception to confirm; The priority is higher than the other criteria in this table. When there is a limited sample, the limit sample shall prevail.				
Raw edge	Not allowed to affect the size and assembly	Visual, point card		√	
Scratch	1: Non-optical surface and non-exposed surface scratches should be visually insignificant and the length is less than 1/10 of the maximum surface size.	Visual, point card, calipers		√	
Fingerprint	Fingerprints are not allowed on all products	Visual		√	
Foreign objects, black spots, white spots	The product may not be attached to foreign objects, including oil, fiber, dregs of water gap and so on				√
Deformation	Insufficient filling shall not affect the appearance of the assembly and the exposed surfaces.	Visual, feeler			√
Poor ejection	Products may not appear bad ejection, including no convex top, thimble printed on the assembly surface shall not be higher than the product surface, non-assembled surface thimble height should not exceed the product size tolerances; thimble printing should be less than the product surface and no more than 0.3; thimble surface treatment should be consistent with the product side. Ejection strain: the optical surface and the appearance of the exposed surface after assembly are not allowed to have a strain, and the structural surface does not allow visual obvious strain.	Visual, point card		✓	
Insufficient filling	Insufficient filling shall not affect the appearance of the assembly and the exposed surfaces, The signature sample shall prevail.	Visual, point card		√	
Shrink	When the entire surface of the product shrinks, the optical properties and dimensions must meet the requirements, and the visual will not significantly affect the appearance.Part shrink reference point defects	Visual, point card		√	
Flow marks、Welding line	 Product does not allow the presence of flow marks and welding lines unless the structure can not be avoided; The remaining flow marks shall not appear in the optical surface, a single L ≤ 10mm, no more than two 	Visual		✓	

Bubble	No bubbles are allowed	Visual		√	
Foreign objects, black spots, white spots	Not obvious or D ≤ 0.3mm black spots and foreign bodies in the area of 100x100mm not more than 1; Exceeded foreign matter black spots is judged bad.	Visual, point card	V		
Damaged	No damage is allowed	Visual			√
Cold glue	Optical surface may not have cold glue, non- optical surface cold glue should meet the visual is not obvious.	Visual	√		
	1: Do not affect the product size, shall not penetrate the optical surface, the cut should be smooth;				
Bad incision	2: Laser cutting products, the optical surface burns shall not occur after the processing is completed. Beading must not affect product installation	Visual			√
	3: Three molds and hot runner gate shall not appear residue.				
Scrub	Scrub surface should be uniform, off the scrub phenomenon should not be obvious, A single off scrub imprint requires D ≤ 1 mm and no more than 1 area within a 50x50 mm area	Visual		√	