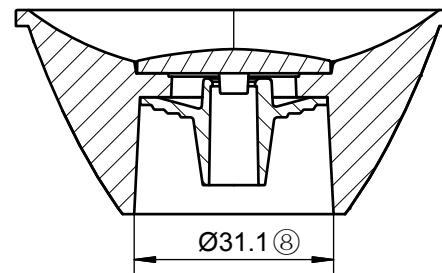
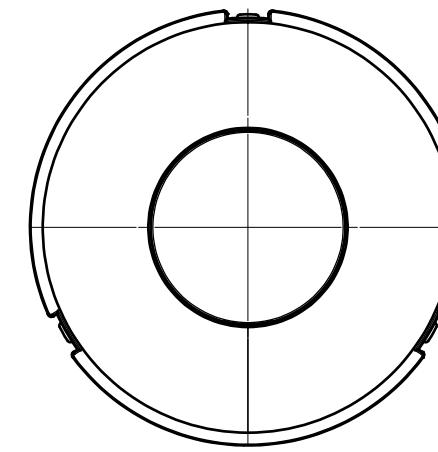
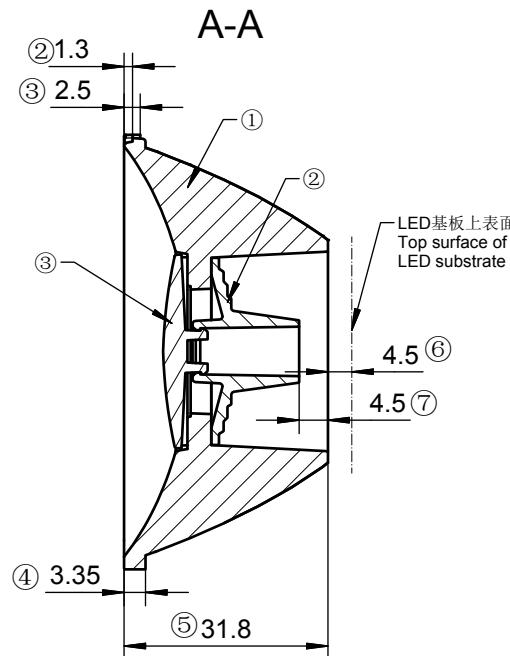
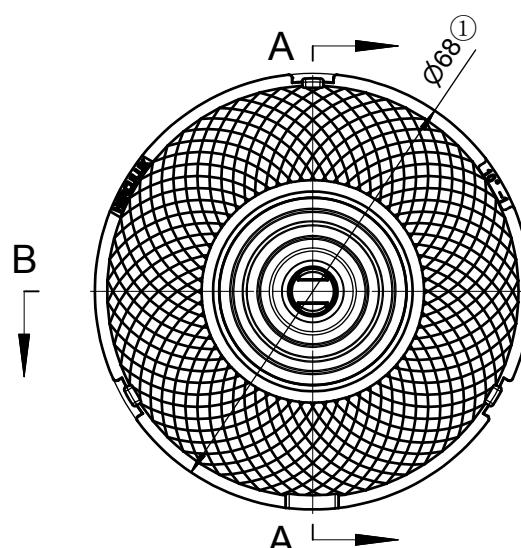


6 | 5 | 4 | 3 | 2 | 1



技术要求:  
1、未注圆角及拔模斜度按3D图。  
2、未注尺寸公差按右表。

3、表面无飞边，缩水，气泡等缺陷。

\*4、灯具采用胶圈防水时：要求散热器与胶圈的接触面的粗糙度：Ra<3.2μm

Technical remark:

1. Fillet and inclination not indicated according to 3D drawing.

2. Dimensional tolerances not indicated are shown in the right list.

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<3.2μm

基本尺寸 Basic size

公差值 Tolerance value

<3

$\pm 0.1$

3~10

$\pm 0.15$

10~24

$\pm 0.20$

24~65

$\pm 0.35$

65~140

$\pm 0.50$

140~250

$\pm 0.80$

250~450

$\pm 1.2$

>450

$\pm 2.0$

序号 The serial number	物料编码 The material number	产品名称 The product name	产品编号 Product number	材料 material	数量 The number of
①	1.01.12630_01	HK 黑光68@32-10度透镜_01 HK Dark 68@32-10 degree lens_01	HK-HG-68@32-10-D9-20-1g-1	PMMA	1
②	1.01.12630_02.10	HK 黑光68@32-10度锥子_02 HK Dark 68@32-10 degree awl_02	HK-HG-29@17-0620-S	陶瓷 ceramic	1
③	1.01.12630_03.10	HK 黑光68@32-10度盖板_03 HK Dark 68@32-10 degree cover_03	HK-HG-30@07-0621-S	PC+黑色 PC+black	1
名称 The name of the	装配图 Assembly drawing 透镜+锥子+盖板 Lens + awl + cover plate				

Title:  
HK 黑光68@32-10度透镜  
HK Dark 68@32-10 degree lens

Drawing No.  
HK-HG-68@32-10-D9-20-1g-1\_ASM

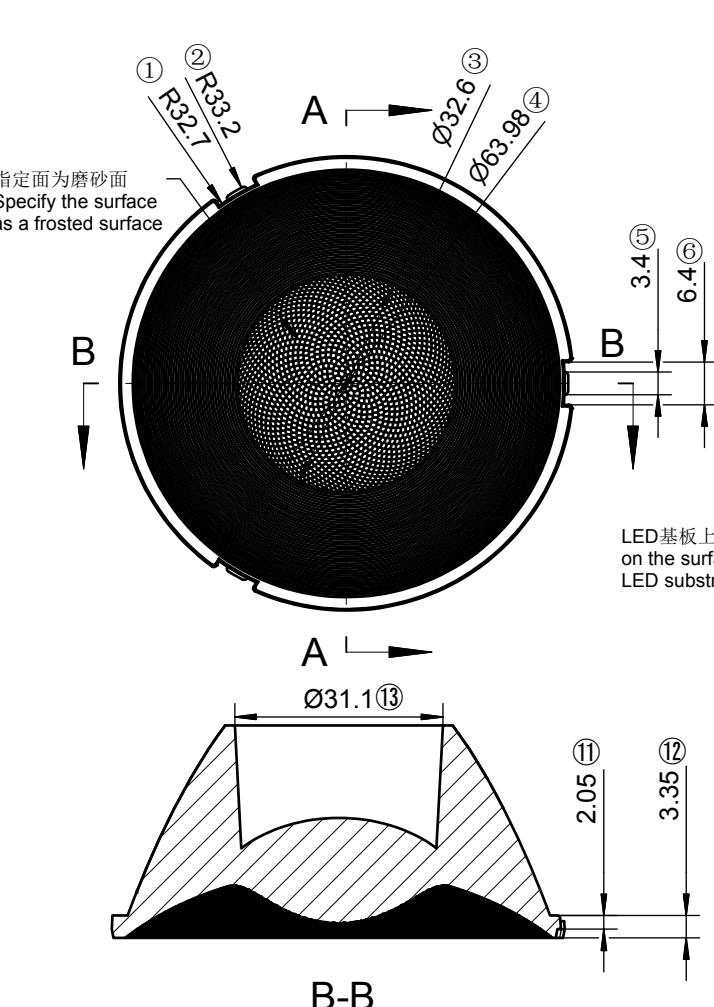
Part No.  
1.01.12630.10

CDHK

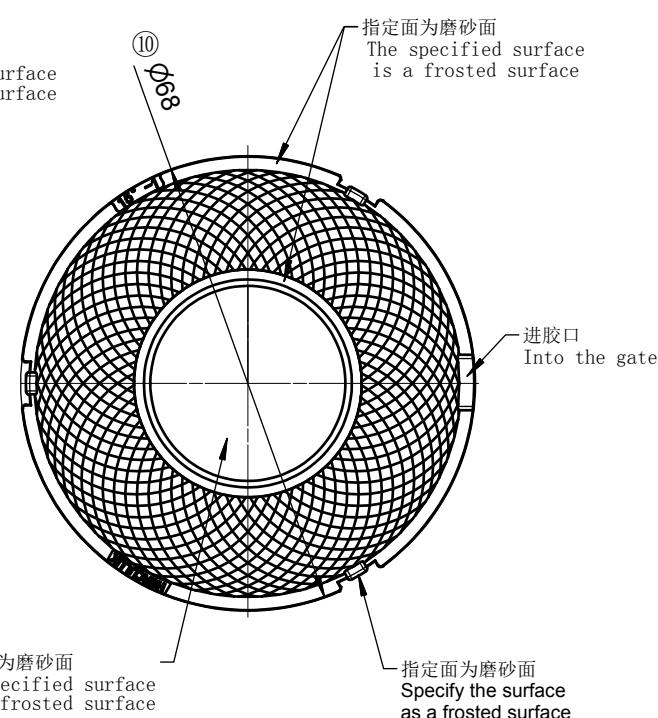
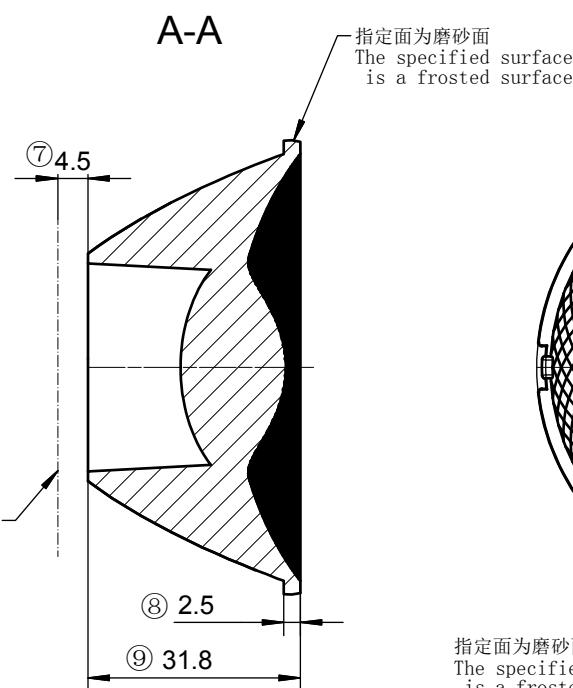
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光学设计 Optical design					4				
结构设计 Structural design					3				
审核 Verify									
审定 Approval									
材料 Material		组件 component							

6 | 5 | 4 | 3 | 2 | 1

6 1 5 4 3 2 1



A-A



#### 技术要求:

- 1、未注圆角及拔模斜度按3D图。
  - 2、未注尺寸公差按右表。
  - 3、表面无飞边，缩水，气泡等缺陷。
- \*4、灯具采用胶圈防水时：要求散热器与胶圈的接触面的粗糙度：Ra<3.2μm

#### Technical remark:

1. Fillet and inclination not indicated according to 3D drawing.
  2. Dimensional tolerances not indicated are shown in the right list.
  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<3.2μm

基本尺寸	公差值							4				
Basic size	Tolerance value	2						4				
<3	±0.1	1						3				
3~10	±0.15											
10~24	±0.20											
24~65	±0.35											
65~140	±0.50											
140~250	±0.80											
250~450	±1.2											
>450	±2.0											

光 学 设 计  
Optical design

结 构 设 计  
Structural design

审 核  
Verify

审 定  
Approval

Title:  
HK 黑光@32-15度透镜  
HK Dark 68@32-15  
degree lens

Drawing No.  
HK-HG-68@32-15-D9-21-1g-1

Part No.  
1.01.92018

CDHK

6 1 5 4 3 2 1

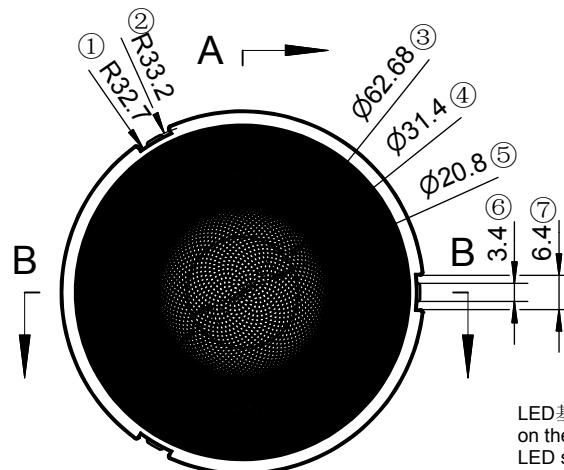
4 3 2 1

4 3 2 1

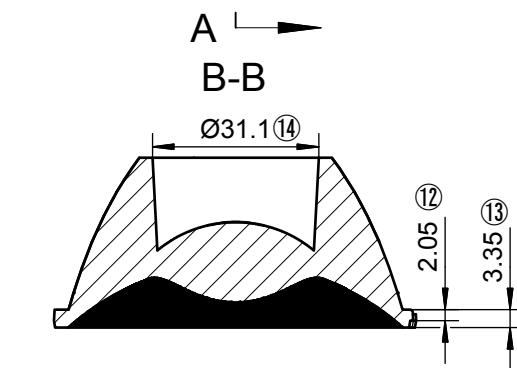
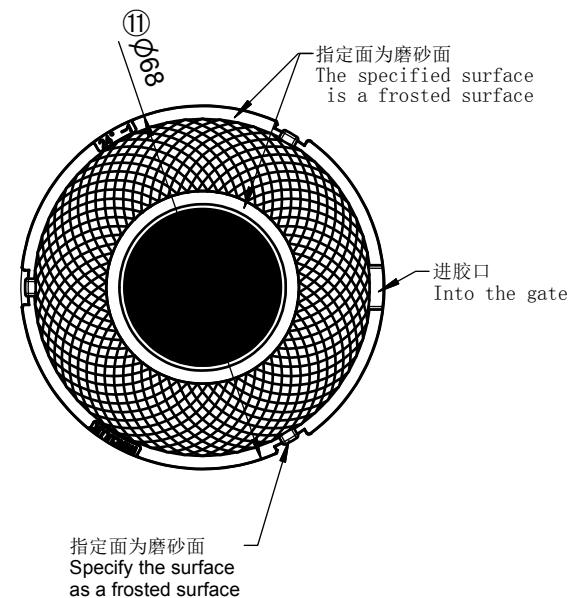
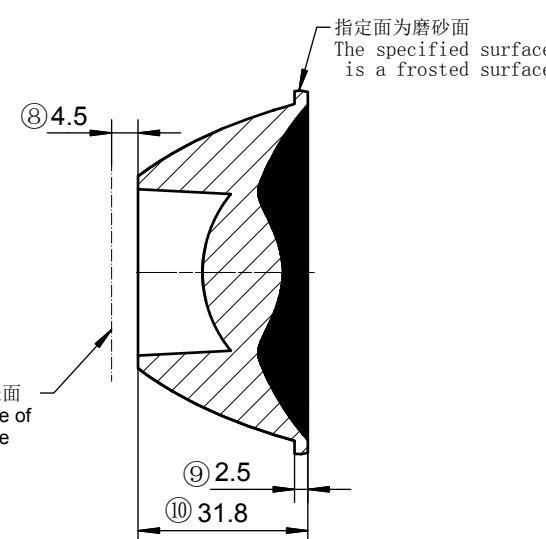
4 3 2 1

CDHK

6 5 4 3 2 1



A-A



技术要求:  
1、未注圆角及拔模斜度按3D图。  
2、未注尺寸公差按右表。  
3、表面无飞边，缩水，气泡等缺陷。

\*4、灯具采用胶圈防水时：要求散热器与胶圈的接触面的粗糙度：Ra<3.2μm

Technical remark:

- Fillet and inclination not indicated according to 3D drawing.
- Dimensional tolerances not indicated are shown in the right list.
- The surface has no flash, shrinkage, bubbles and other defects.
- When the lamp adopts rubber ring for waterproofing: the roughness of the contact surface between the radiator and the rubber ring is required: Ra<3.2μm

基本尺寸	公差值							4				
Basic size	Tolerance value	2						4				
<3	±0.1	1						3				
3~10	±0.15											
10~24	±0.20											
24~65	±0.35											
65~140	±0.50											
140~250	±0.80											
250~450	±1.2											
>450	±2.0											

光 学 设 计  
Optical design

结 构 设 计  
Structural design

审 核  
Verify

审 定  
Approval

材 料  
Material

PMMA

Title:  
HK 黑光68@32-24度透镜  
HK Dark 68@32-24  
degree lens

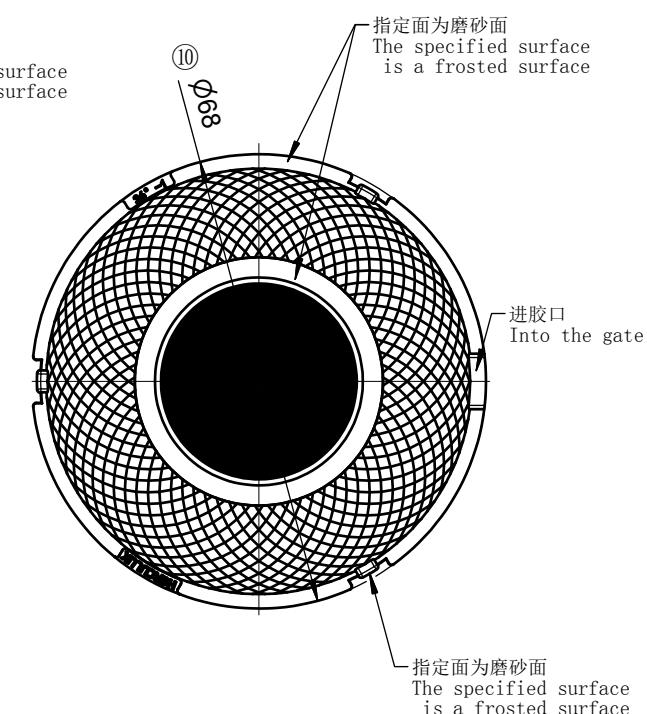
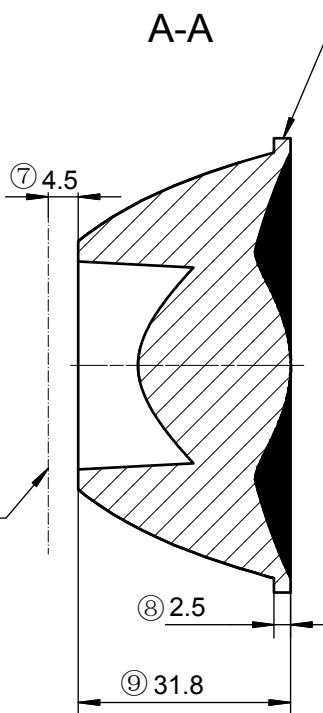
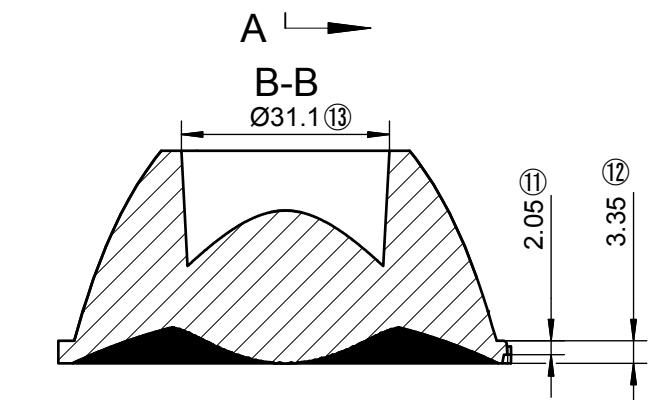
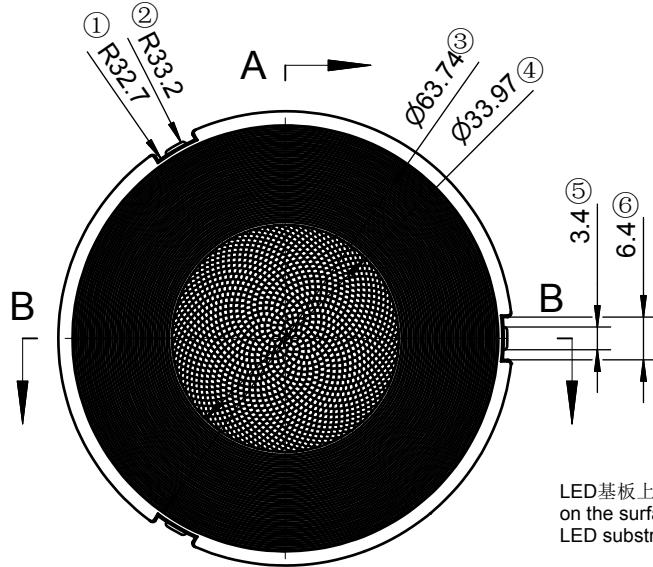
Drawing No.  
HK-HG-68@32-24-D12-21-1g-1

Part No.  
1.01.92019

CDHK

6 5 4 3 2 1

6 1 5 4 3 2 1



#### 技术要求:

- 1、未注圆角及拔模斜度按3D图。
- 2、未注尺寸公差按右表。
- 3、表面无飞边，缩水，气泡等缺陷。

\*4、灯具采用胶圈防水时：要求散热器与胶圈的接触面的粗糙度：Ra<3.2μm

#### Technical remark:

1. Fillet and inclination not indicated according to 3D drawing.
  2. Dimensional tolerances not indicated are shown in the right list.
  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<3.2μm

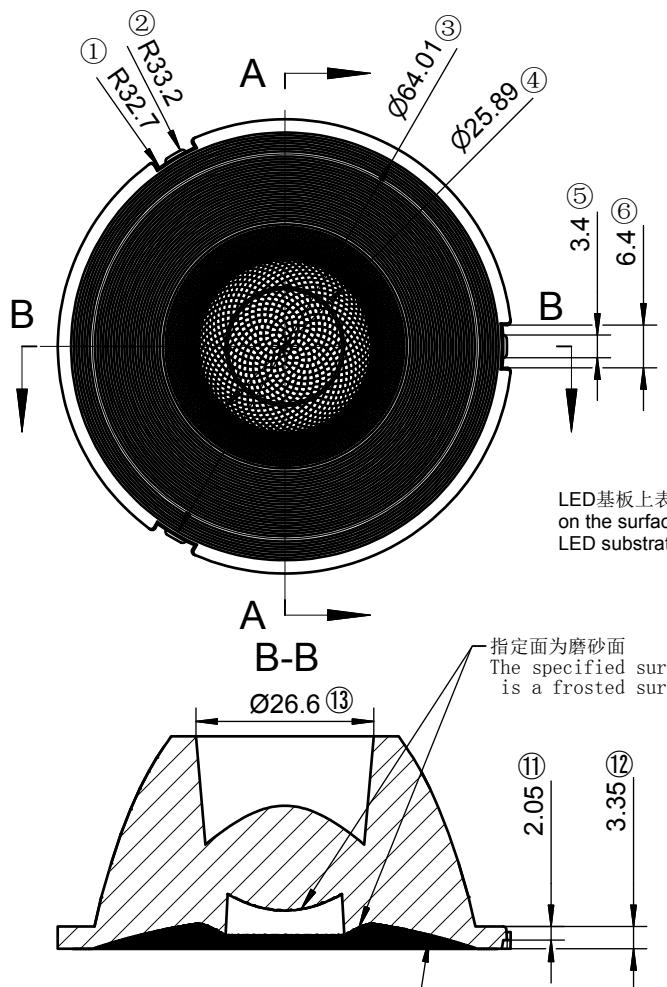
基本尺寸	公差值							4				
Basic size	Tolerance value	2						4				
<3	±0.1	1						3				
3~10	±0.15											
10~24	±0.20											
24~65	±0.35											
65~140	±0.50											
140~250	±0.80											
250~450	±1.2											
>450	±2.0											

序号 Item  
更改标记 Change mark  
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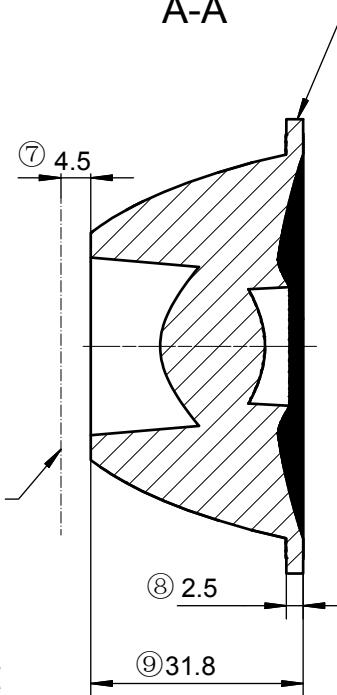
Title:  
HK 黑光68@32-36度透镜  
HK Dark 68@32-36  
degree lens

Drawing No.  
HK-HG-68@32-36-D12-21-1g-1  
Part No.  
1.01.92055  
CDHK

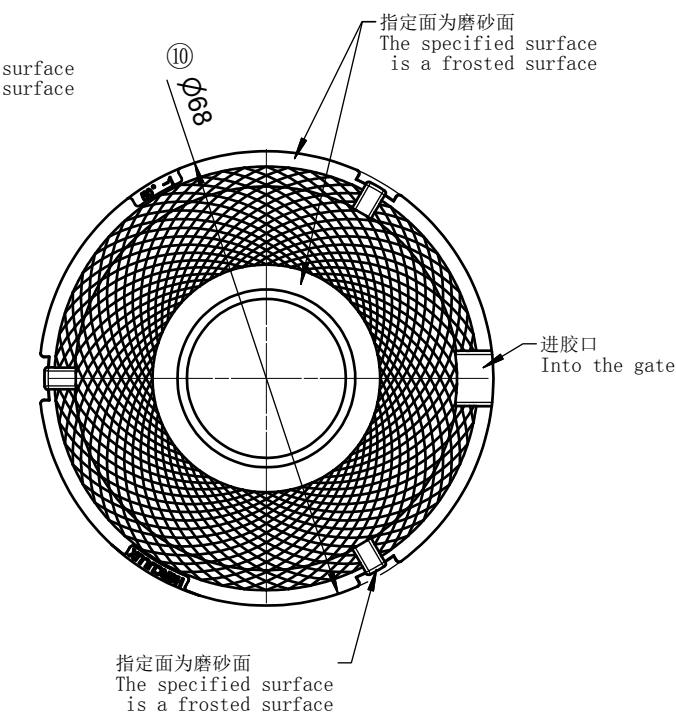
6 1 5 4 3 2 1



A-A



指定面为磨砂面  
The specified surface is a frosted surface



技术要求:  
1、未注圆角及拔模斜度按3D图。  
2、未注尺寸公差按右表。

3、表面无飞边、缩水、气泡等缺陷。

\*4、灯具采用胶圈防水时：要求散热器与胶圈的接触面的粗糙度： $Ra < 3.2\mu m$

Technical remark:

1. Fillet and inclination not indicated according to 3D drawing.

2. Dimensional tolerances not indicated are shown in the right list.

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:  $Ra < 3.2\mu m$

基本尺寸	公差值	2					4				
Basic size	Tolerance value	1					3				
<3	$\pm 0.1$										
3~10	$\pm 0.15$										
10~24	$\pm 0.20$										
24~65	$\pm 0.35$										
65~140	$\pm 0.50$										
140~250	$\pm 0.80$										
250~450	$\pm 1.2$										
>450	$\pm 2.0$										

光学设计 Optical design				Title: HK 黑光68@32-50度透镜 HK Dark 68@32-50 degree lens	Drawing No. HK-HG-68@32-50-D12-21-1g-1
结构设计 Structural design					Part No. 1.01.92177
审核 Verify					CDHK
审定 Approval			材料 Material: PMMA		