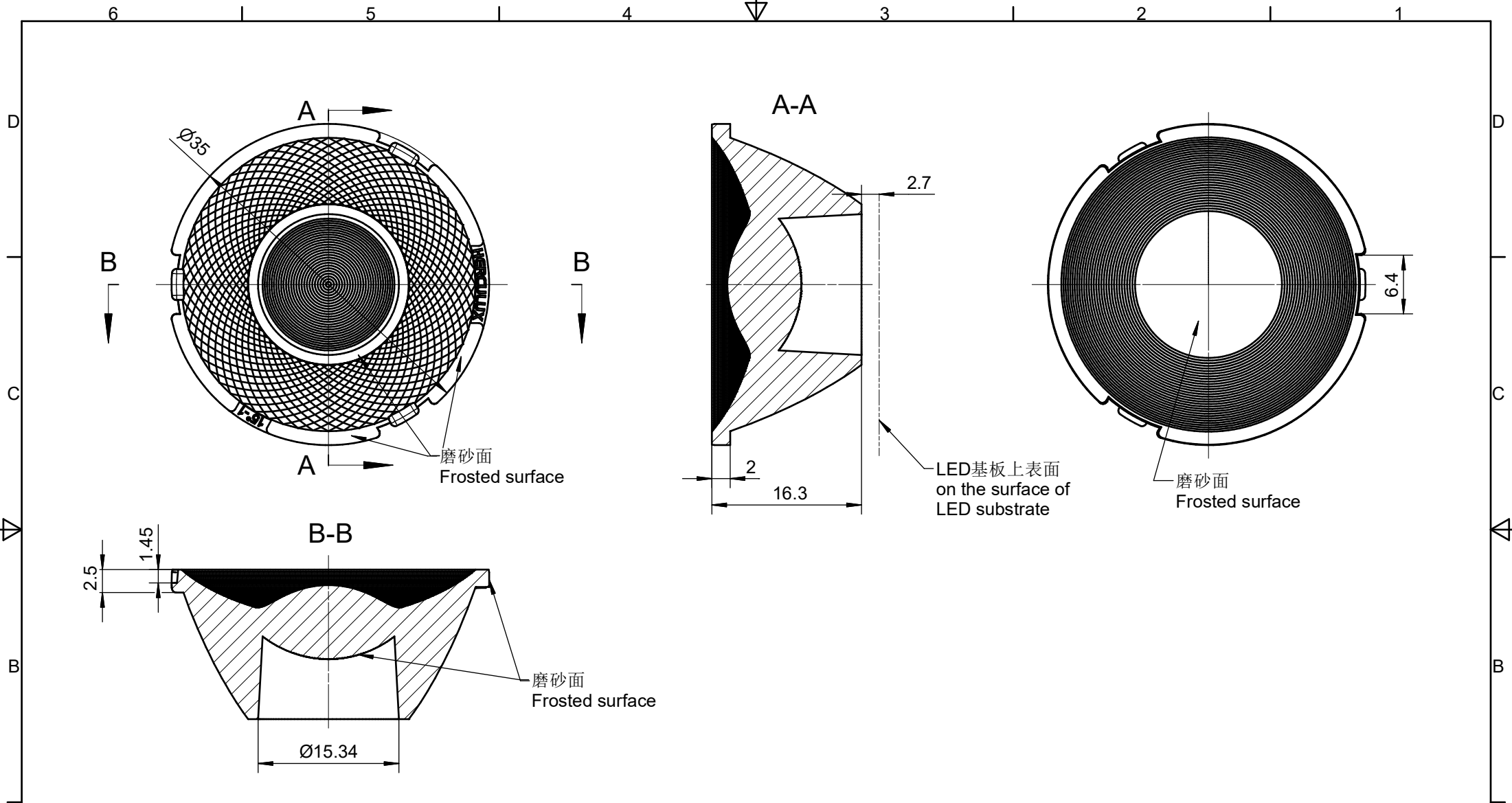


技术要求:  
 1、未注圆角及拔模斜度按3D图。  
 2、未注尺寸公差按右表。  
 3、表面无飞边, 缩水, 气泡等缺陷。  
 \*4、灯具采用胶圈防水时: 要求散热器与胶圈的接触面的粗糙度: Ra<3.2μm

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
Basic size	Tolerance value
<3	±0.1
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	更改标记	更改内容	更改日期	签名	序号	更改标记	更改内容	更改日期	签名
Item	Change mark	Change content	Change date	Signature	Item	Change mark	Change content	Change date	Signature
2					4				
1					3				
光学设计 Optical design					Title:				
结构设计 Structural design					HK 黑光35@16-15度透镜_M HK Dark 35@16-15° lens_M				
审核 Verify					Drawing No.				
审定 Approval					HK-HG-35@16-15-D6-21-1g-1_M Part No.				
材料 Material:					PMMA				
					1.01.91997_M				
					CDHK				

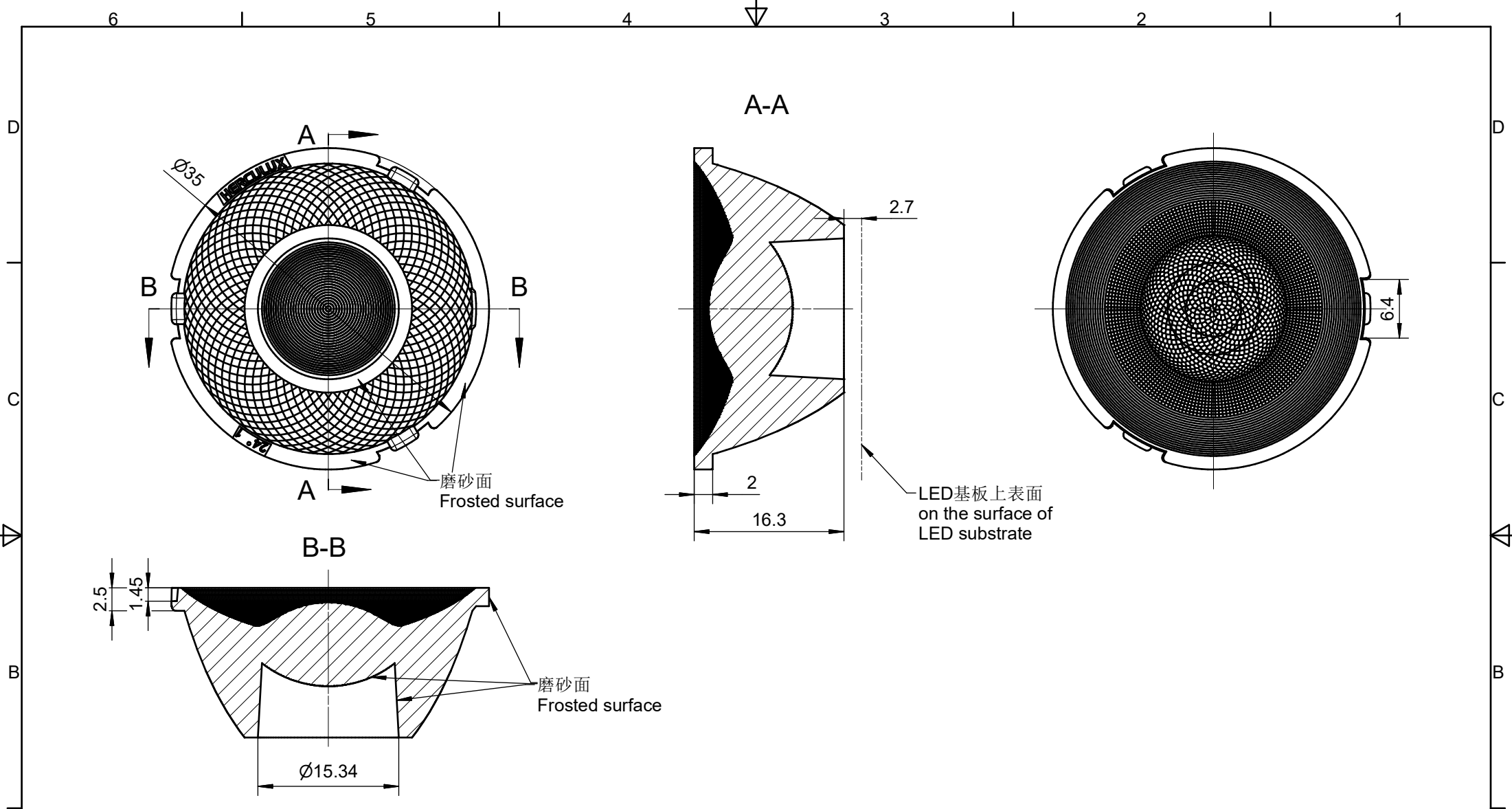


技术要求:  
 1、未注圆角及拔模斜度按3D图。  
 2、未注尺寸公差按右表。  
 3、表面无飞边, 缩水, 气泡等缺陷。  
 \*4、灯具采用胶圈防水时: 要求散热器与胶圈的接触面的粗糙度: Ra<3.2μm

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
Basic size	Tolerance value
<3	±0.1
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	更改标记	更改内容	更改日期	签名	序号	更改标记	更改内容	更改日期	签名
Item	Change mark	Change content	Change date	Signature	Item	Change mark	Change content	Change date	Signature
2					4				
1					3				
光学设计 Optical design					Title:				
结构设计 Structural design					HK 黑光35@16-15度透镜 HK Dark 35@16-15° lens				
审核 Verify					Drawing No.				
审定 Approval					Part No.				
材料 Material:					PMMA				
					1.01.91997				
					CDHK				



技术要求:

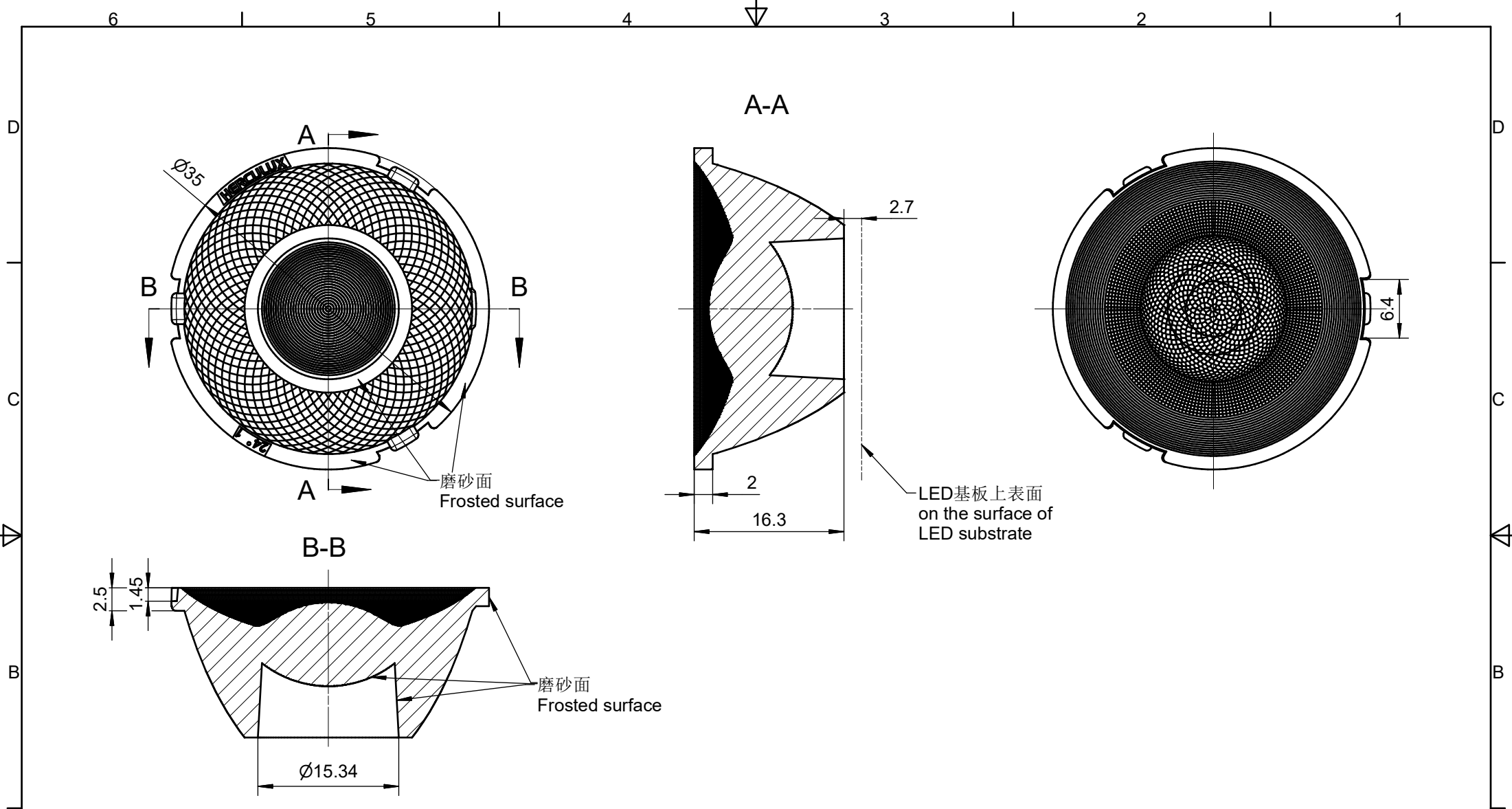
- 1、未注圆角及拔模斜度按3D图。
- 2、未注尺寸公差按右表。
- 3、表面无飞边，缩水，气泡等缺陷。
- \*4、灯具采用胶圈防水时：要求散热器与胶圈的接触面的粗糙度： $Ra < 3.2\mu m$

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
Basic size	Tolerance value
$< 3$	$\pm 0.1$
$3 \sim 10$	$\pm 0.15$
$10 \sim 24$	$\pm 0.20$
$24 \sim 65$	$\pm 0.35$
$65 \sim 140$	$\pm 0.50$
$140 \sim 250$	$\pm 0.80$
$250 \sim 450$	$\pm 1.2$
$> 450$	$\pm 2.0$

序号	更改标记	更改内容	更改日期	签名	序号	更改标记	更改内容	更改日期	签名
Item	Change mark	Change content	Change date	Signature	Item	Change mark	Change content	Change date	Signature
2					4				
1					3				
				Title:		Drawing No.			
				HK 黑光35@16-24度透镜 (PC)		HK-HG-35@16-24-D6-21-1g-1_PC			
						Part No.			
						1.01.92002_PC			
				材料		CDHK			
				PC					



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

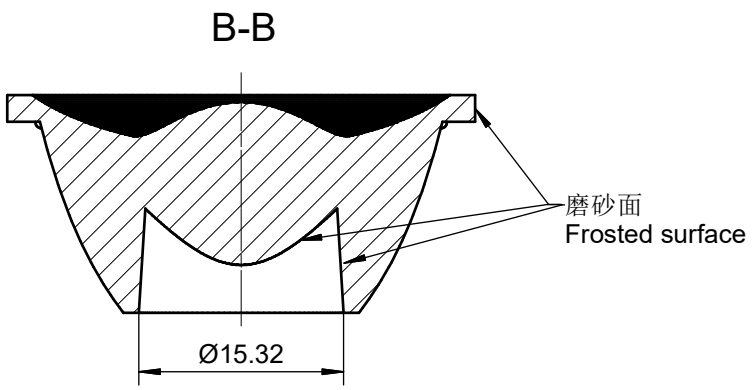
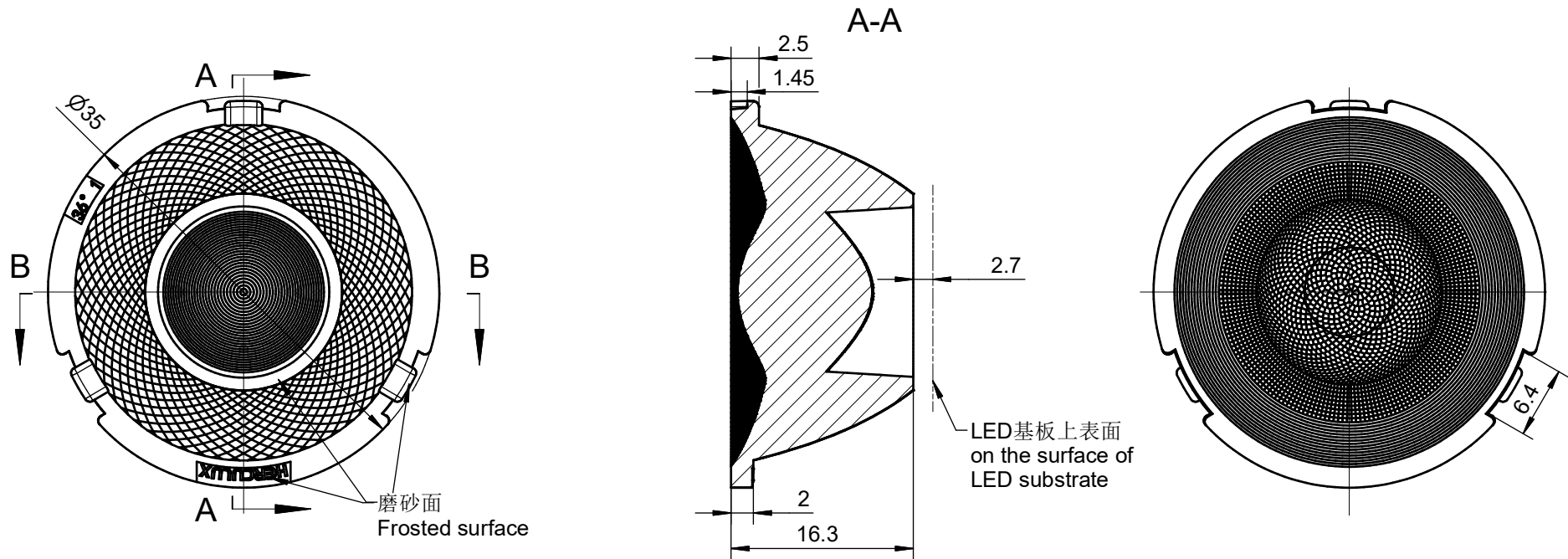
Technical remark:

- 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
Basic size	Tolerance value
<3	±0.1
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	更改标记	更改内容	更改日期	签名	序号	更改标记	更改内容	更改日期	签名
Item	Change mark	Change content	Change date	Signature	Item	Change mark	Change content	Change date	Signature
2					4				
1					3				
				Title:		Drawing No.			
				HK 黑光35@16-24度透镜		HK-HG-35@16-24-D6-21-1g-1			
				HK Dark 35@16-24° lens		Part No.			
						1.01.92002			
				材料		CDHK			
				PMMA					

6 5 4 3 2 1



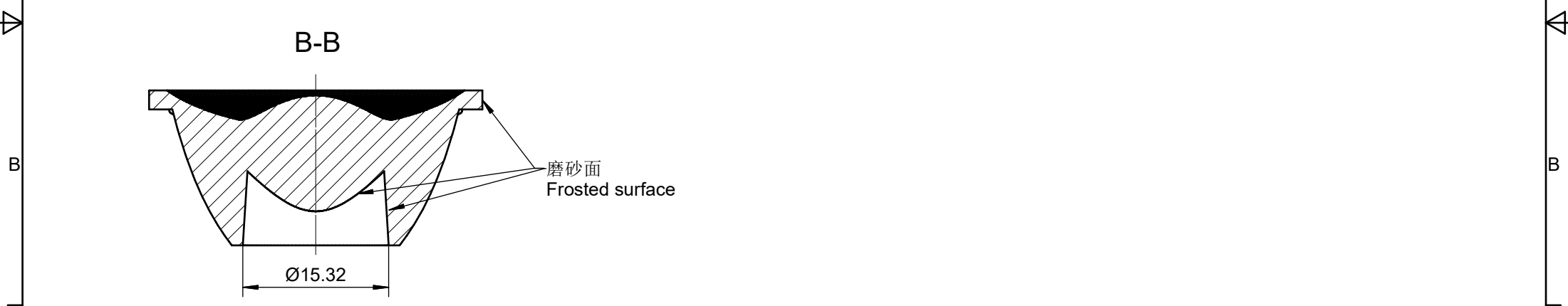
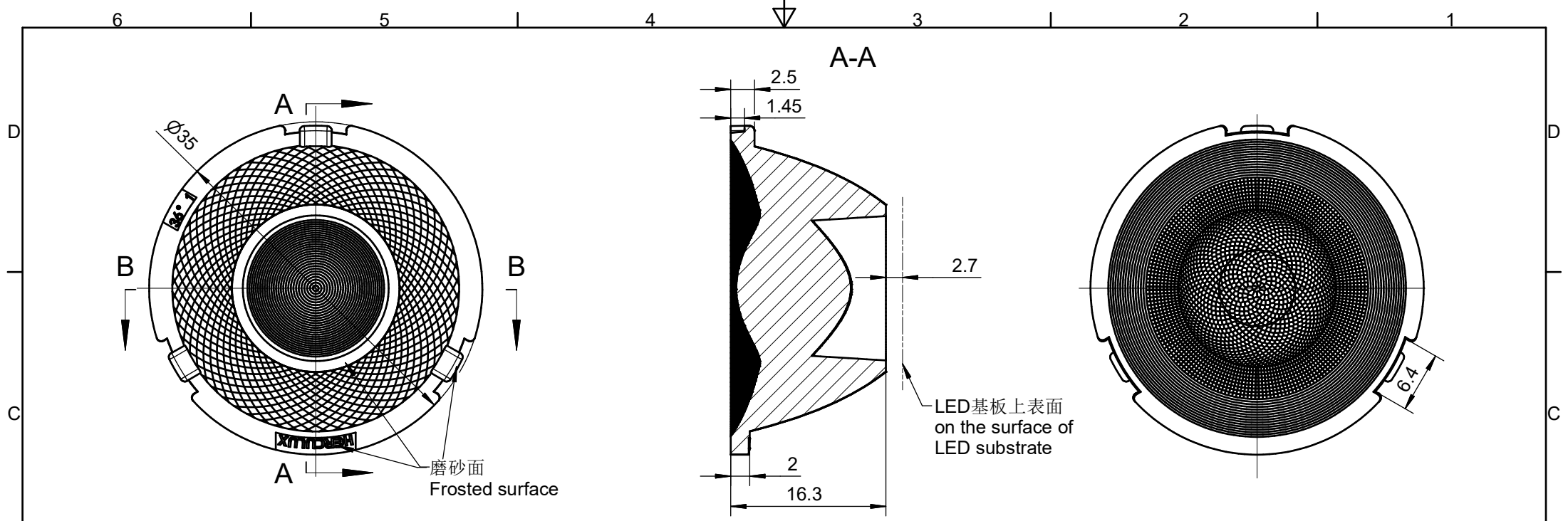
技术要求:  
 1、未注圆角及拔模斜度按3D图。  
 2、未注尺寸公差按右表。  
 3、表面无飞边，缩水，气泡等缺陷。  
 \*4、灯具采用胶圈防水时：要求散热器与胶圈的接触面的粗糙度：Ra<3.2μm

A 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
Basic size	Tolerance value
<3	±0.1
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	更改标记	更改内容	更改日期	签名	序号	更改标记	更改内容	更改日期	签名
Item	Change mark	Change content	Change date	Signature	Item	Change mark	Change content	Change date	Signature
2					4				
1					3				
				Title:		Drawing No.			
				HK 黑光35@16-36度透镜 (PC)		HK-HG-35@16-36-D6-21-1g-1_PC			
						Part No.			
						1.01.92041_PC			
				材料		CDHK			
				PC					

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

A

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
Basic size	Tolerance value
<3	±0.1
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	更改标记	更改内容	更改日期	签名	序号	更改标记	更改内容	更改日期	签名
Item	Change mark	Change content	Change date	Signature	Item	Change mark	Change content	Change date	Signature
2					4				
1					3				
				Title:		Drawing No.			
				HK 黑光35@16-36度透镜		HK-HG-35@16-36-D6-21-1g-1			
				HK Dark 35@16-36° lens		Part No.			
						1.01.92041			
				材料		CDHK			
				PMMA					

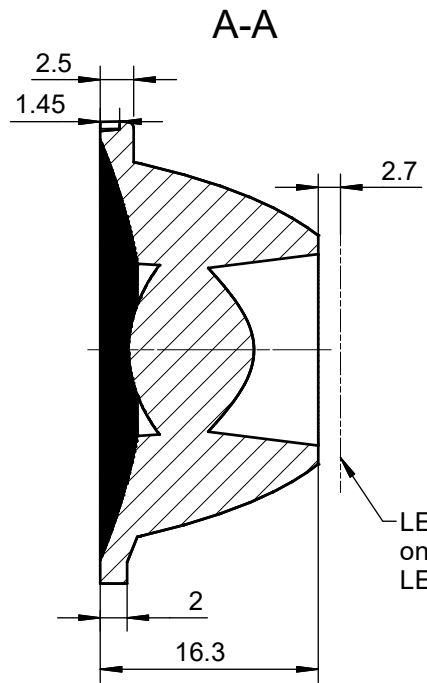
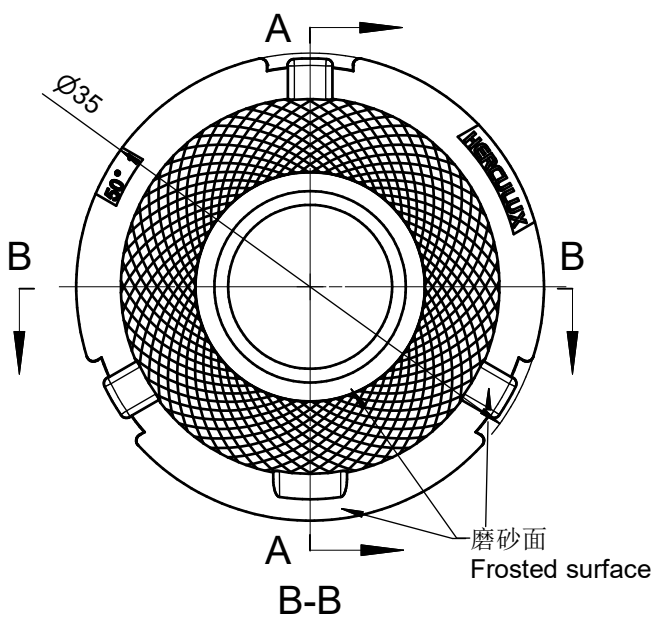
6 5 4 3 2 1

D

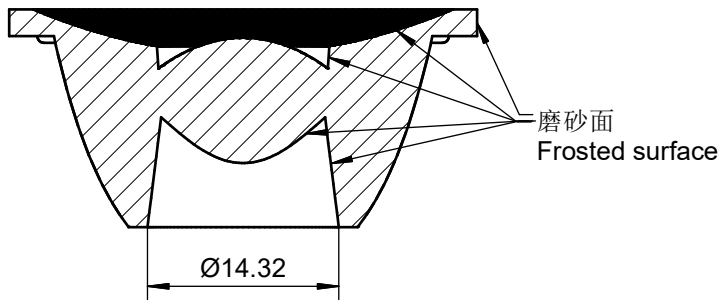
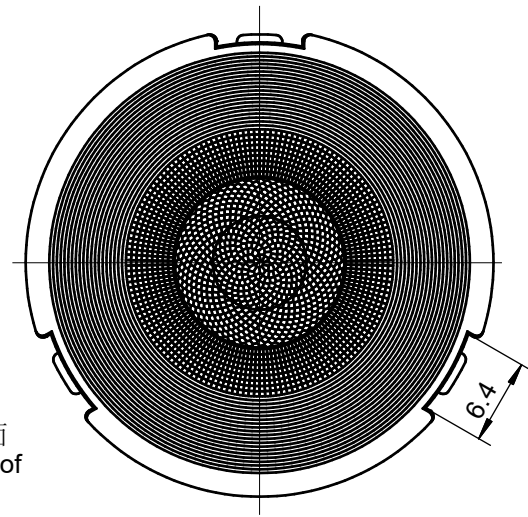
C

B

A



LED基板上表面  
on the surface of  
LED substrate



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
Basic size	Tolerance value
<3	±0.1
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	更改标记	更改内容	更改日期	签名	序号	更改标记	更改内容	更改日期	签名
Item	Change mark	Change content	Change date	Signature	Item	Change mark	Change content	Change date	Signature
2					4				
1					3				
光学设计 Optical design					Title:				
结构设计 Structural design					HK 黑光35@16-50度透镜 HK Dark 35@16-50° lens				
审核 Verify					Drawing No.				
审定 Approval					Part No.				
材料 Material:					PMMA				
					1.01.92182				
					CDHK				

6 5 4 3 2 1