

EdiPower® II HR Series Secondary Optical Reflector/Lens Datasheet



Typical applications :

- Stage Lighting
- Decorative Lighting
- Downlights

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13LNP0002501

For 2PHR09WW05P05001 Emitters

Specification

Features :

- Lens material optical grade PC
- Spot beam

General Application :

- Spot light
- Stage Lighting
- Decorative Lighting
- Downlights

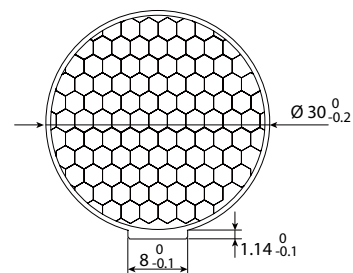
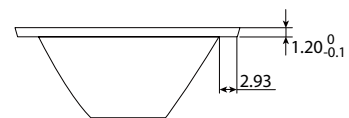


Application Note

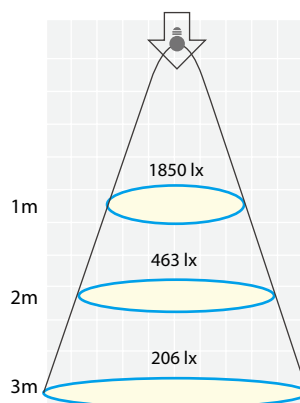
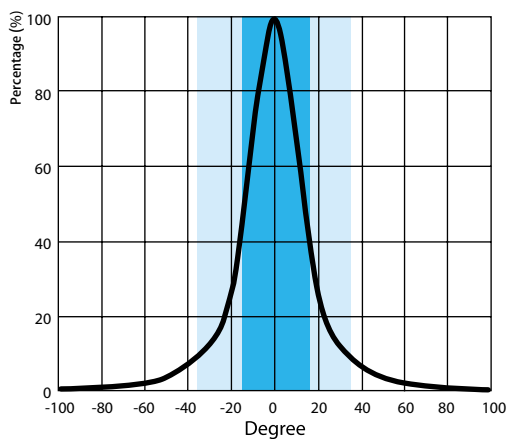
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PHR09WW05P05001
- Never use any commercial solvents on lenses

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR09WW05P05001	1850	30°	69°

Note: Emitter flux is 900lm@27V/350mA



Unit : mm



13LNP0003501

For 2PHR09WW05P05001 Emitters

Specification

Features :

- Lens material optical grade PC
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

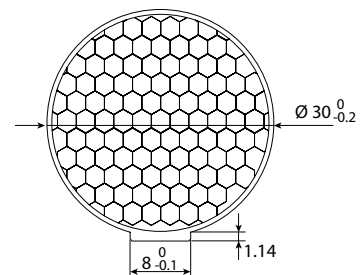
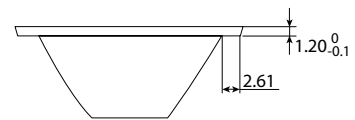


Application Note

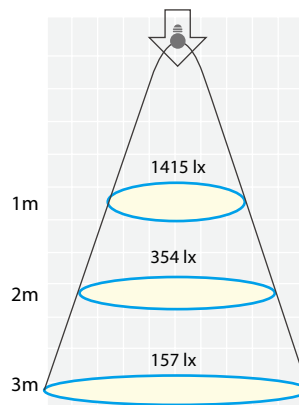
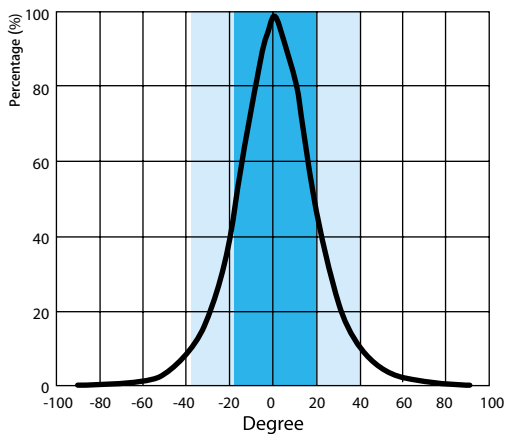
- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR09WW05P05001
- Never use any commercial solvents on lenses

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR09WW05P05001	1415	37°	79°

Note: Emitter flux is 900lm@27 V/350mA



Unit : mm



13LNP0HB2501

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Lens material optical grade PC
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

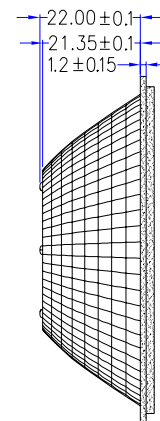
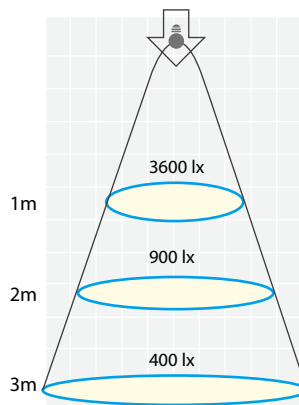
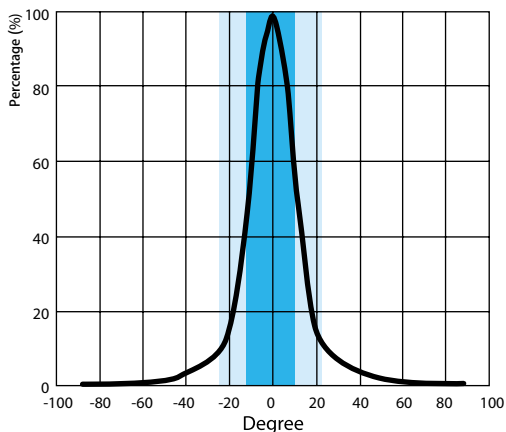
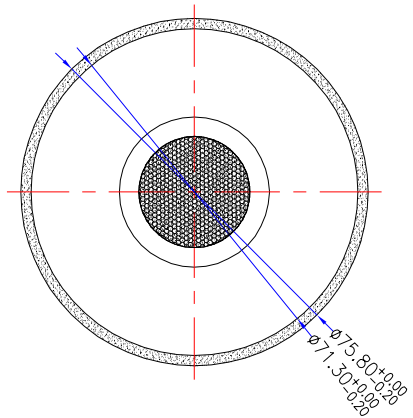


Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on lenses

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR13WW05P02001	3600	25°	50°

Note: Emitter flux is 1400lm@36 V/350mA



13LNP0HB4501

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Lens material optical grade PC
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

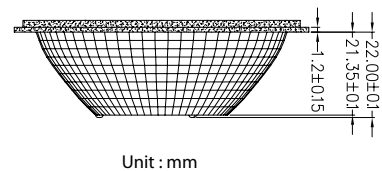
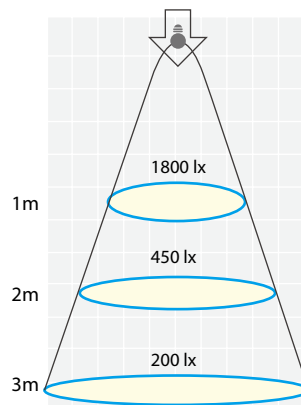
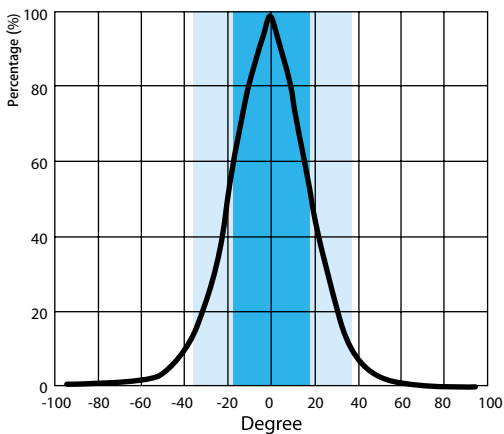
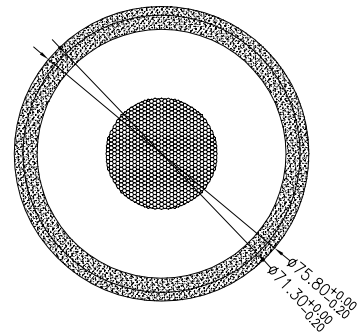


Application Note

- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on lenses

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR13WW05P02001	1800	45°	80°

Note: Emitter flux is 1400lm@36 V/350mA



13RFPBE35001

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Spot beam

General Application :

- Spot light
- Stage Lighting
- Decorative Lighting
- Downlights

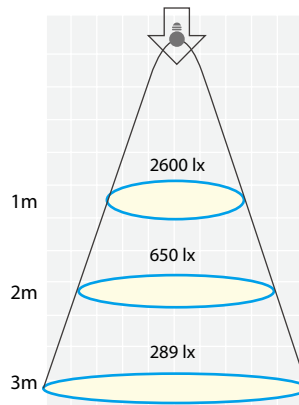
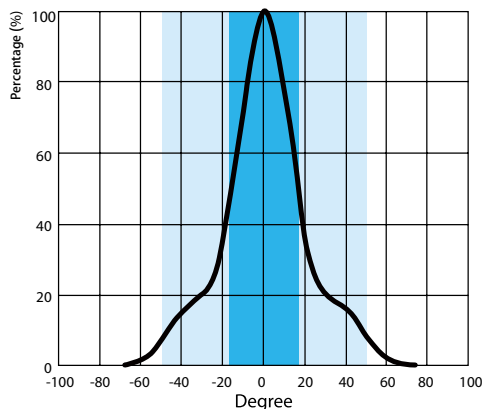
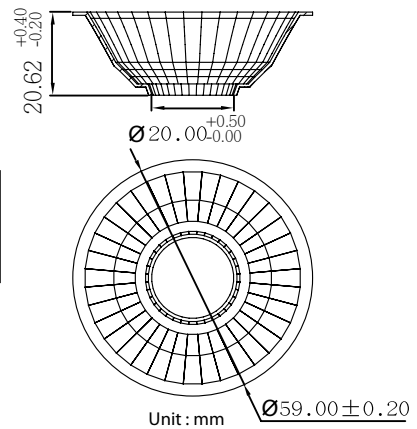


Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR13WW05P02001	2600	32°	98°

Note: Emitter flux is 1400lm@36 V/350mA



13RFPBE50001

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

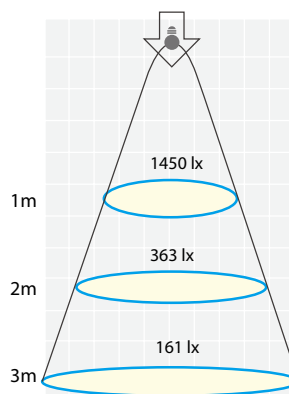
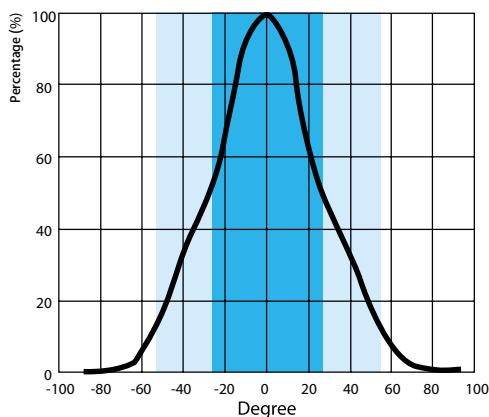
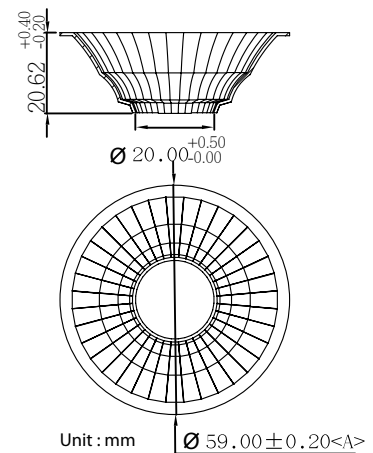


Application Note

- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR13WW05P02001	1450	53°	106°

Note: Emitter flux is 1400lm@36 V/350mA



13RFPBE60003

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

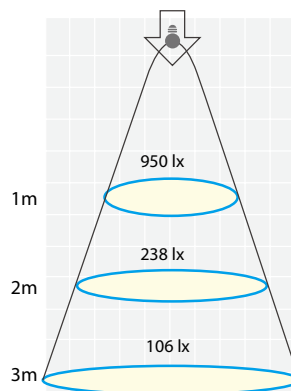
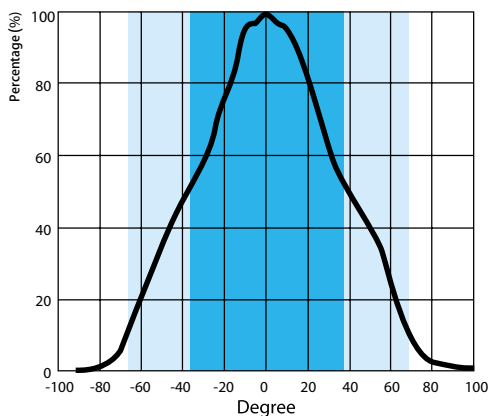
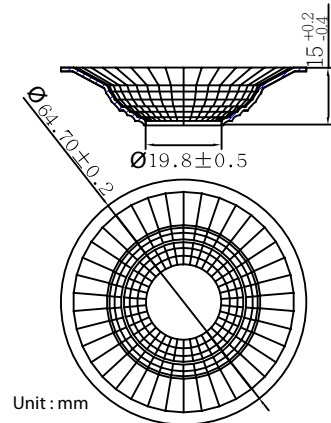


Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR13WW05P02001	950	73°	132°

Note: Emitter flux is 1400lm@36 V/350mA



13RFPBEA0003

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Reflector material Al(1070)
- Flood beam



General Application :

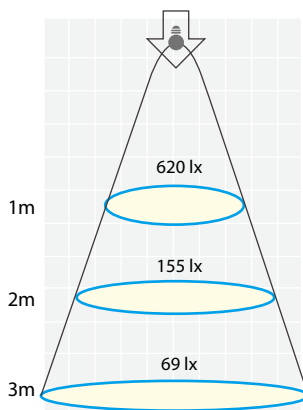
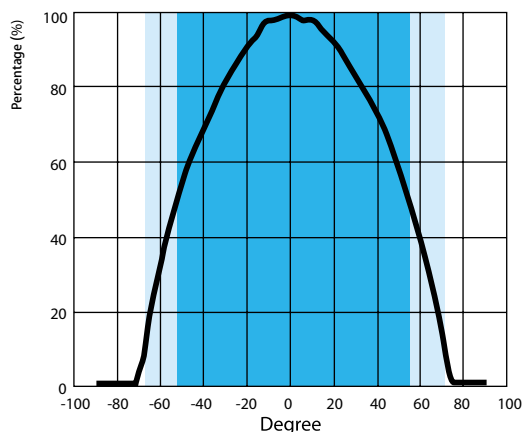
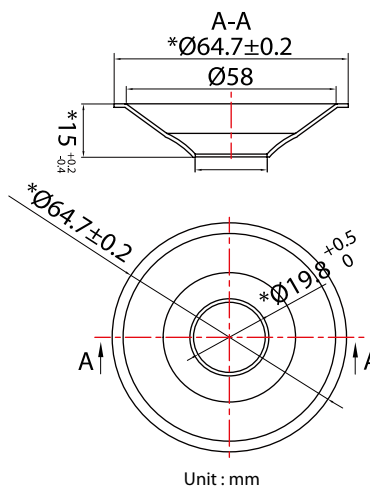
- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux from 1M	Beam angle	Field angle
2PHR13WW05P02001	620	106°	136°

Note: Emitter flux is 1400lm@36V/350mA



13RFPBE60002

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

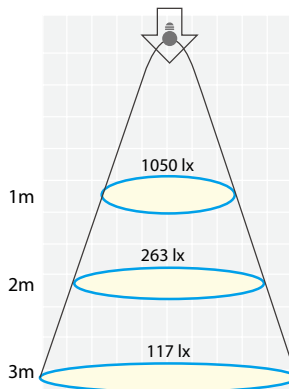
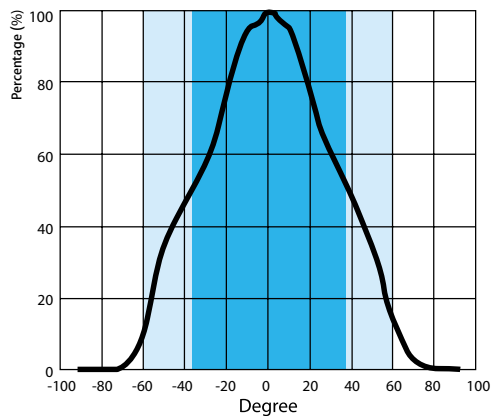
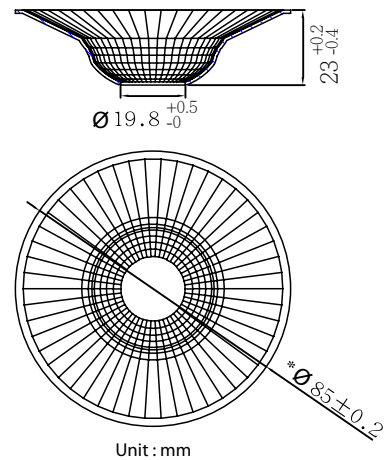


Application Note

- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR13WW05P02001	1050	72°	122°

Note: Emitter flux is 1400lm@36 V/350mA



13RFPBEA0004

For 2PHR13xxxxP02xxx Emitters

Specification

Features :

- Reflector material Al(1070)
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

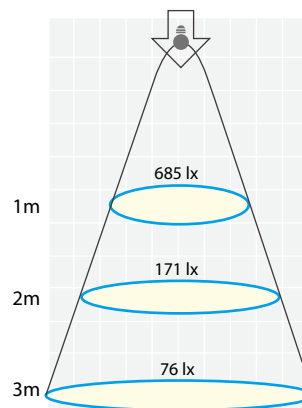
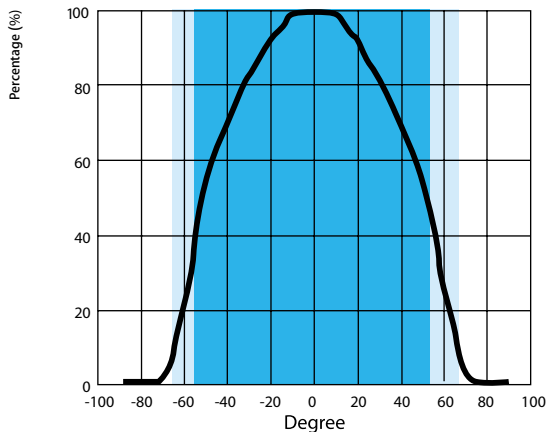
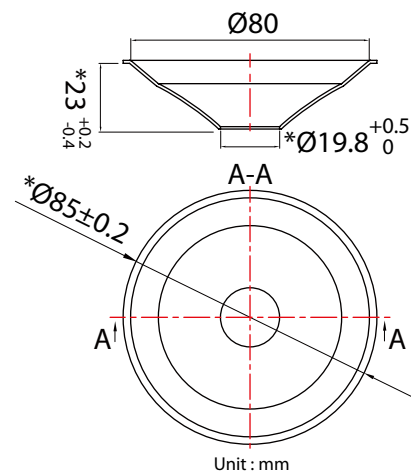


Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR13xxxxP02xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux from 1M	Beam angle	Field angle
2PHR13WW05P02001	685	102°	128°

Note: Emitter flux is 1400 lm@36V/350mA



13RFPCF40001

For 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Flood beam

General Application :

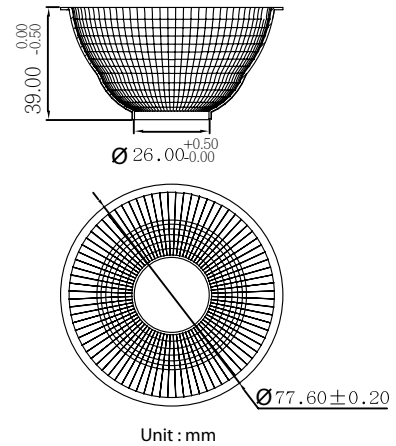
- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights



Application Note

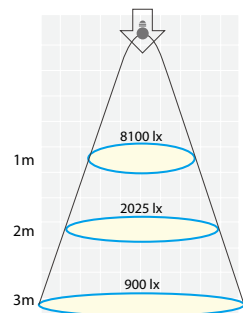
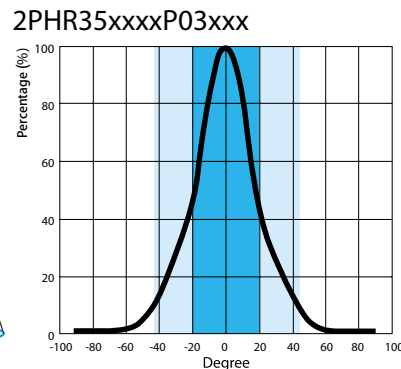
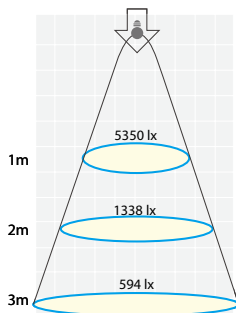
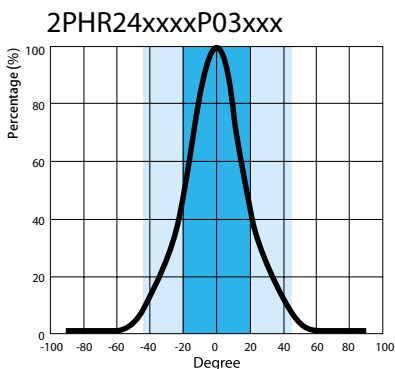
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR24xxxxP03xxx	5350	37°	85°
2PHR35xxxxP03xxx	8100	37°	85°



Notes:

2PHR24xxxxP03xxx 2600lm@36 V/700mA
2PHR35xxxxP03xxx 3800lm@36 V/1000mA



13RFPCF50001

For 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Flood beam

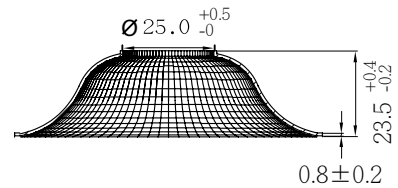
General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights

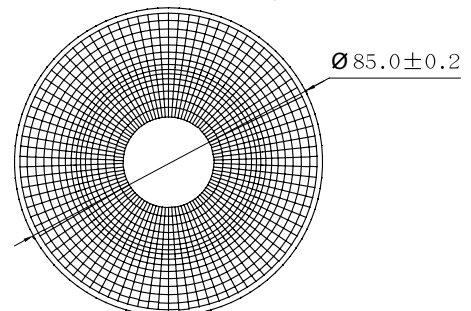


Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx
- Never use any commercial solvents on reflectors



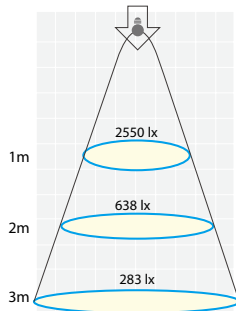
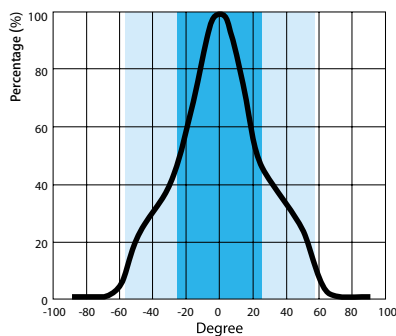
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR24xxxxP03xxx	2550	53°	118°
2PHR35xxxxP03xxx	3900	50°	119°



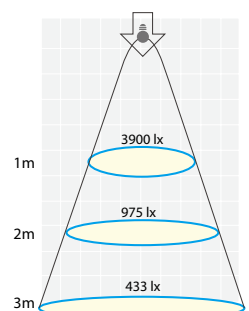
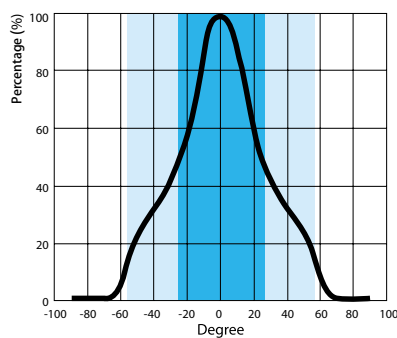
Notes:

2PHR24xxxxP03xxx 2600lm@36 V/700mA
2PHR35xxxxP03xxx 3800lm@36 V/1000mA

2PHR24xxxxP03xxx



2PHR35xxxxP03xxx



Unit : mm

13RFPCF50002

For 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Flood beam

General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights



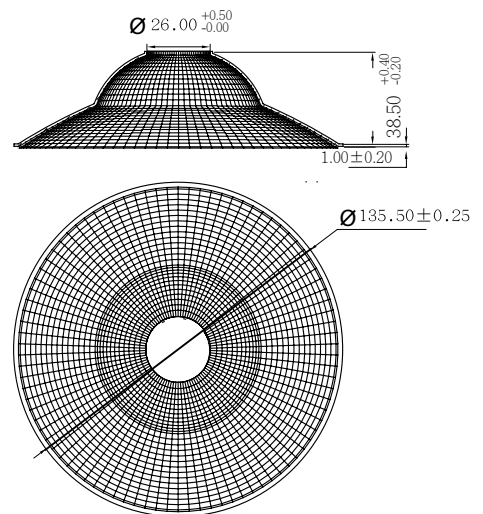
Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx
- Never use any commercial solvents on reflectors

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR24xxxxP03xxx	2800	50°	116°
2PHR35xxxxP03xxx	4250	48°	115°

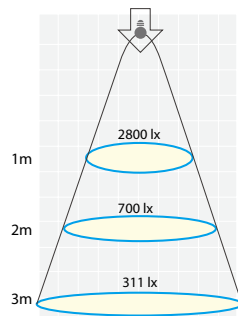
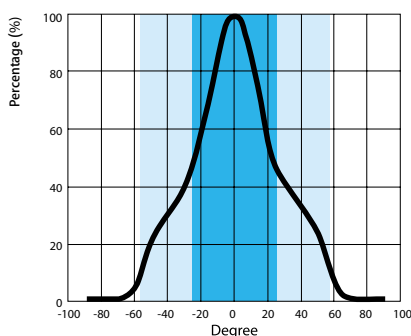
Notes:

2PHR24xxxxP03xxx 2600lm@36 V/700mA
2PHR35xxxxP03xxx 3800lm@36 V/1000mA

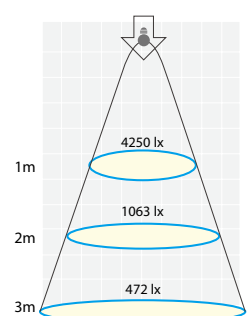
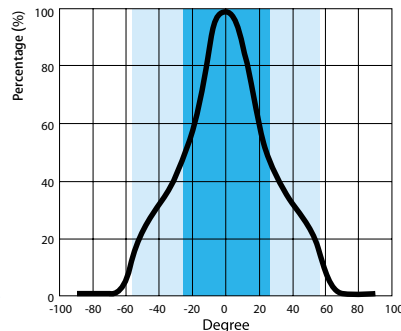


Unit : mm

2PHR24xxxxP03xxx



2PHR35xxxxP03xxx



13RFPCF60001

For 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Flood beam

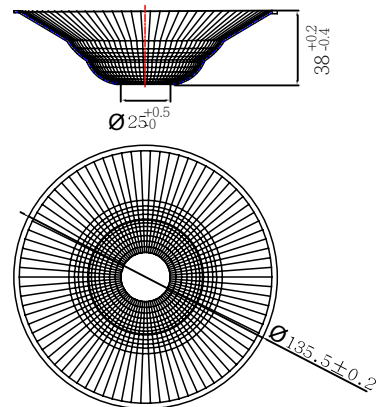
General Application :

- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights



Application Note

- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx
- Never use any commercial solvents on reflectors



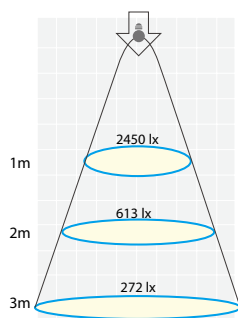
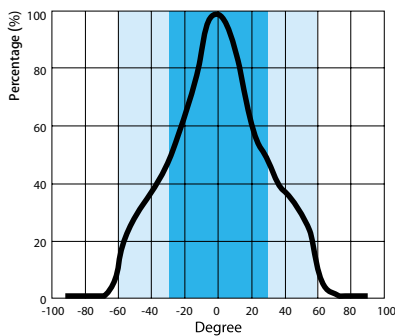
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR24xxxxP03xxx	2450	58°	118°
2PHR35xxxxP03xxx	3700	60°	121°

Notes:

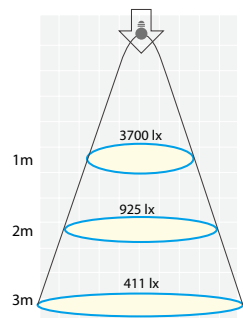
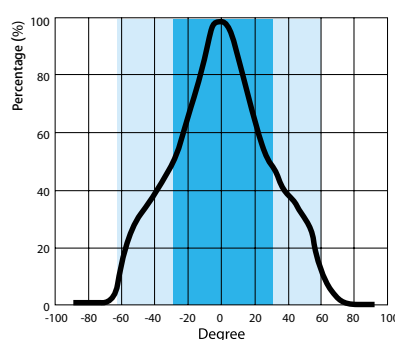
2PHR24xxxxP03xxx 2600lm@36 V/700mA
2PHR35xxxxP03xxx 3800lm@36 V/1000mA

Unit : mm

2PHR24xxxxP03xxx



2PHR35xxxxP03xxx



13RFPCFA0002

For 2PHR24xxxxP03xxx, 2PHR35xxxxP03xxx Emitters

Specification

Features :

- Reflector material Al(1070)
- Flood beam

General Application :

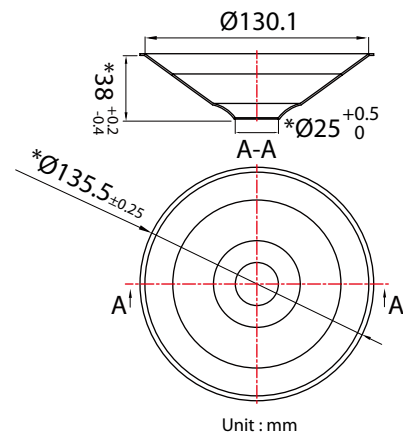
- Flood light
- Stage Lighting
- Decorative Lighting
- Downlights



Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR24xxxxP03xxx / 2PHR35xxxxP03xxx
- Never use any commercial solvents on reflectors

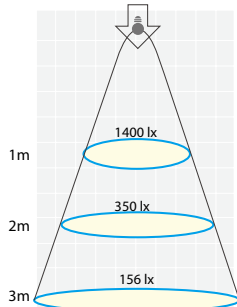
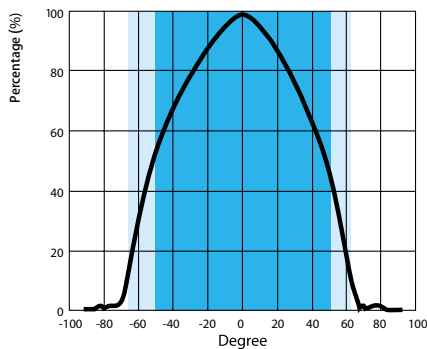
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR24xxxxP03xxx	1400	101°	127°
2PHR35xxxxP03xxx	2050	101°	128°



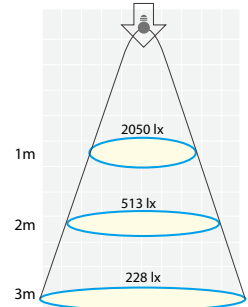
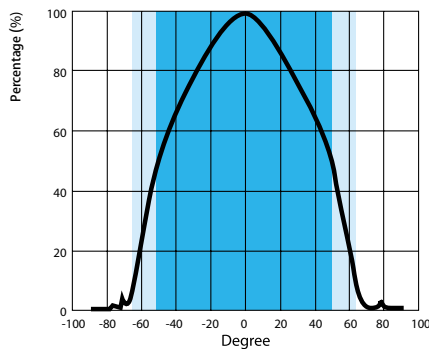
Notes:

2PHR24xxxxP03xxx 2600lm@36 V/700mA
2PHR35xxxxP03xxx 3800lm@36 V/1000mA

2PHR24xxxxP03xxx



2PHR35xxxxP03xxx



13RFPSB17001

For 2PHR09xxxxP05xxx Emitters

Specification

Features :

- Reflector material : optical grade PC
- Spot beam

General Application :

- Spot light

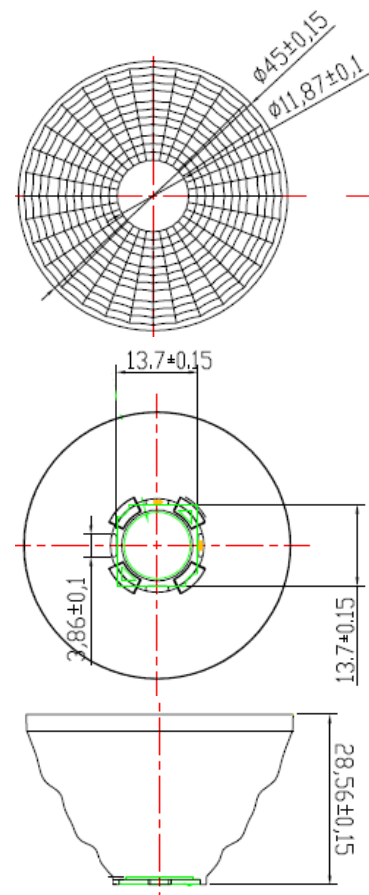
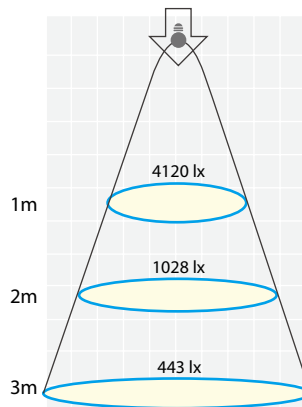
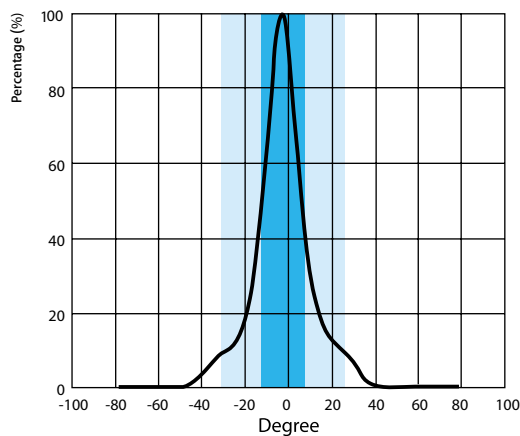


Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR09xxxxP05xxx

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR09CW11P05001	4460		
2PHR09NW11P05001	4120	17°	55°
2PHR09WW05P05001	4310		

Note: Emitter is operated @ 350 mA



13RFPSB35001

For 2PHR09xxxxP05xxx Emitters

Specification

Features :

- Reflector material : optical grade PC
- Flood beam

General Application :

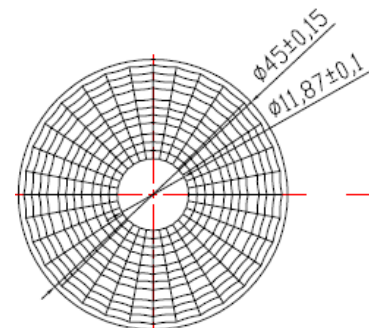
- Flood light



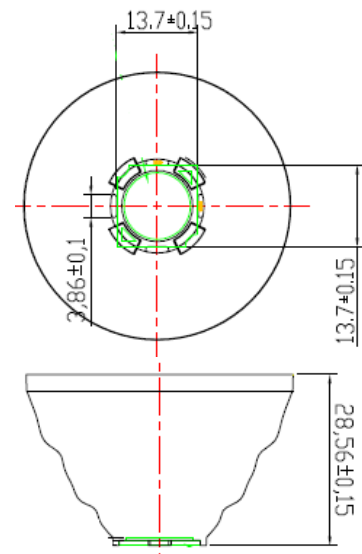
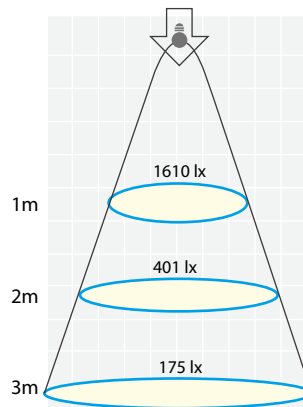
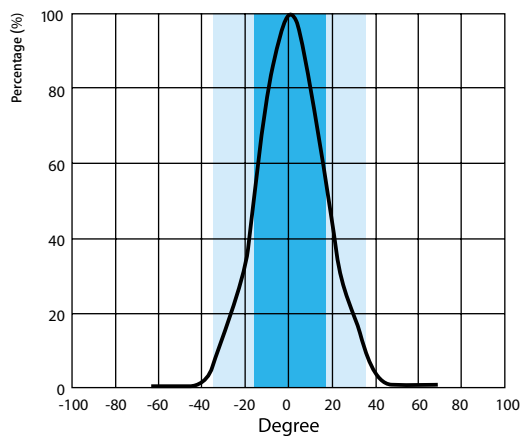
Application Note

- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PHR09xxxxP05xxx

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR09CW11P05001	1610		
2PHR09NW11P05001	1610	35°	70°
2PHR09WW05P05001	1550		



Note: Emitter is operated @ 350 mA



13RFPSB60001

For 2PHR09xxxxP05xxx Emitters

Specification

Features :

- Reflector material : Optical grade PC
- Flood beam

General Application :

- Flood light

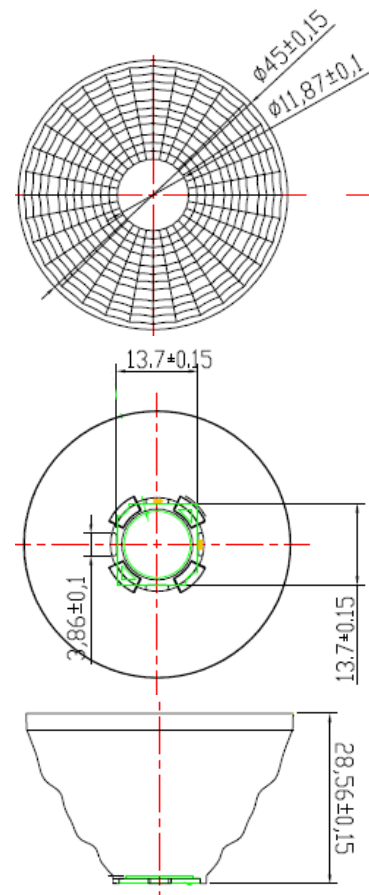
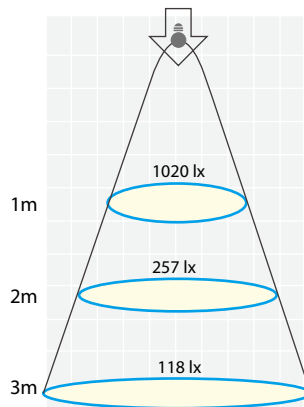
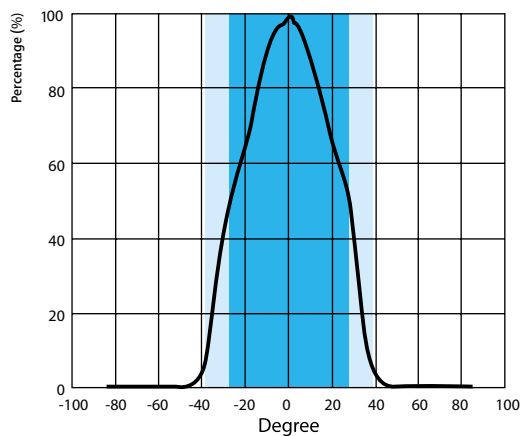


Application Note

- Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Upper limit $+80^{\circ}\text{C}$)
- Apply with 2PHR09xxxxP05xxx

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PHR09CW11P05001	1030		
2PHR09NW11P05001	1020	55°	76°
2PHR09WW05P05001	1010		

Note: Emitter is operated @ 350 mA



Revision History

Version	Description	Release Date
1	Datasheet established	2013/09/02

About Edison Opto

Edison Opto is a leading manufacturer of high power LED and a solution provider experienced in LDMS. LDMS is an integrated program derived from the four essential technologies in LED lighting applications- Thermal Management, Electrical Scheme, Mechanical Refinement, Optical Optimization, to provide customer with various LED components and modules. More Information about the company and our products can be found at www.edison-opto.com

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