Lighting Design Manufacturing Service

EdiPower® II All Series Reflector Datasheet

Typical applications :

- Stage Lighting
- Street Lighting
- Decorative Lighting
- Architectural Lighting
- Downlights

EDISON
Lighting Design Manufacturing Service

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General Information

Introduction

To provide the handy optical kits for all sorts of lighting, Edison Opto develop and support all kinds of secondary optics which can meet the self-development components of Edison Opto's perfectly. It contains a lens and a reflector.

Ordering Code Format

1	3	R F	x x	x	x x	x x x
X1	X2	X3	X4	X5	X6	X7

X1		X2		X3		X4		X5		X6		X7	
Category		Type		Sort		Component		Emitting Area		Beam Angle		Serial Number	
1	Material	3	L2~L6	RF	Reflectors	PA	EdiPower 1416	A	<9.5	01~18	01~18	--	--
						PB	EdiPower 2325	B	9.6~11.9	20	18.5~22.5		
						PC	EdiPower 3557	C	12.0~12.2	25	22.6~27.5		
						PD	EdiPower 5454	D	12.3~13.5	30	27.6~32.5		
						PE	EdiPower 1313	E	13.6~20.2	35	32.6~37.5		
						PF	EdiPower 1919	F	20.3~25.1	40	37.6~42.5		
						PS	EdiPower Star	G	25.2~32.1	45	42.6~47.5		
						PR	EdiPower Round	H	>32.2	50	47.6~55.0		
										60	55.1~65.0		
										70	65.1~75.0		
										80	75.1~85.0		
										90	85.1~95.0		
										A0	95.1~105.0		
										A1	105.1~115.0		
										A2	115.1~125.0		
										A3	125.1~135.0		
										A4	135.1~145.0		

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13RFPBE25002 Specification

For 2PSD15xWxxP02xxx / 2PSD24xWxxP02xxx / 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx / 2PSD24xXxxP02xxx Emitters

Specification

Features :

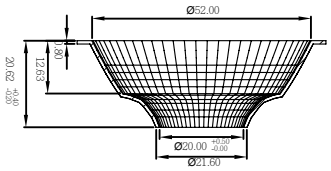
- Reflector material Al(1090)
- Narrow beam angle

General Application :

- Spot light

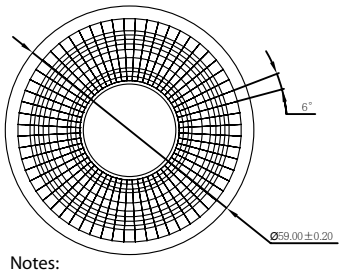
Application Note

- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD15xWxxP02xxx/ 2PSD24xWxxP02xxx/ 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx/ 2PSD24xXxxP02xxx
- Never use any commercial solvents on reflectors

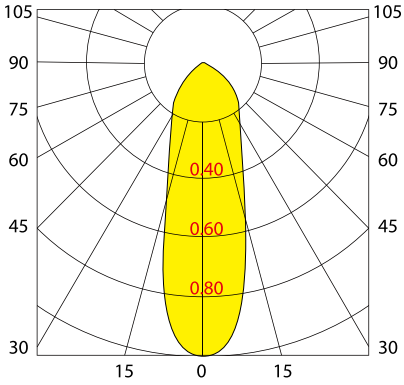


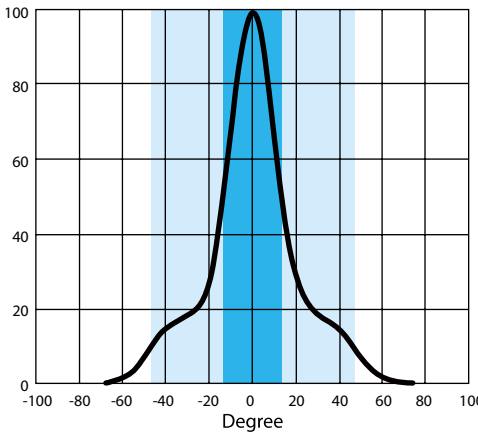
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD24CW06P02001 (W3)	4350	24.5°	92°

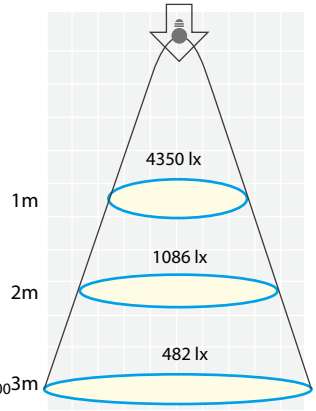
Note: Emitter flux is 2250lm@16.5V/1.5A



Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







Lighting Design Manufacturing Service

13RFPBE35001 Specification

For 2PSD15xWxxP02xxx / 2PSD24xWxxP02xxx / 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx / 2PSD24xXxxP02xxx Emitters

Specification

Features :

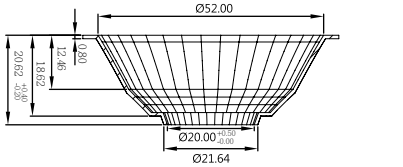
- Reflector material Al(1090)
- Narrow beam angle

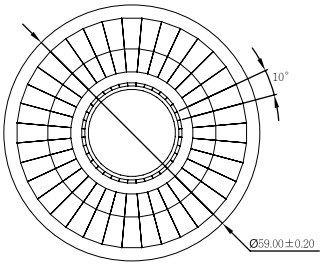
General Application :

- Spot light

Application Note

- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD15xWxxP02xxx/ 2PSD24xWxxP02xxx/ 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx/ 2PSD24xXxxP02xxx
- Never use any commercial solvents on reflectors

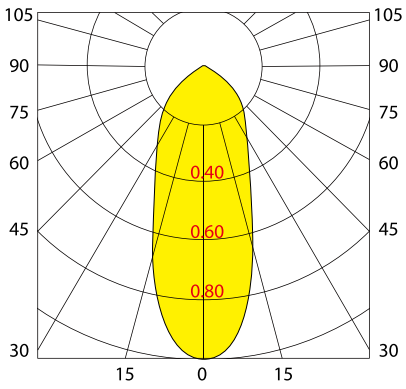


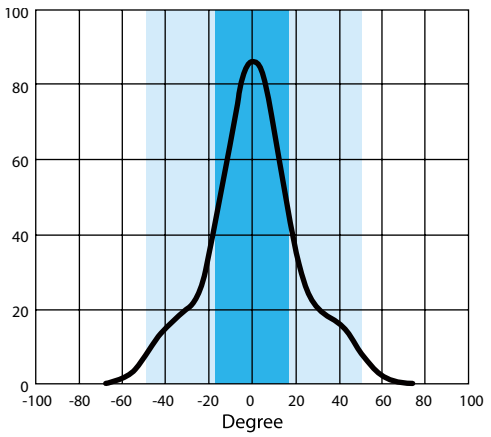


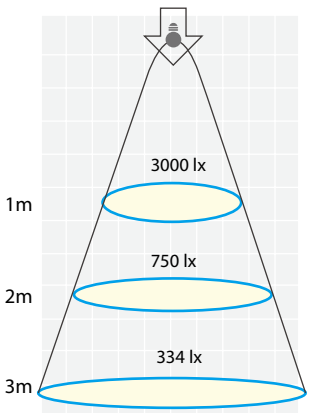
Emitter Type	Typical Lux @1M	Beam angle	Field angle
2PSD24CW06P02001 (W3)	3000	32	99.5

Note: Emitter flux is 2250lm@16.5V/1.5A

Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







Lighting Design Manufacturing Service

13RFPBE50001 Specification

For 2PSD15xWxxP02xxx / 2PSD24xWxxP02xxx / 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx / 2PSD24xXxxP02xxx Emitters

Specification

Features :

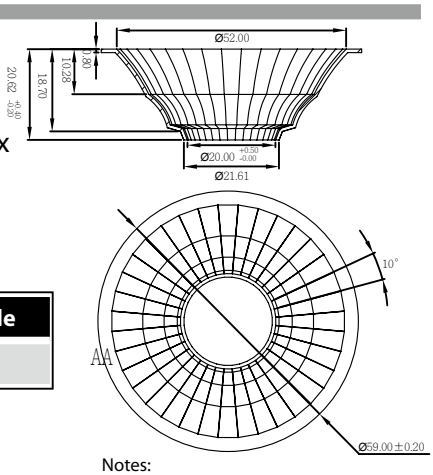
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

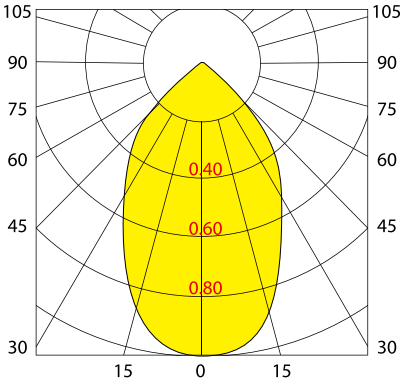
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD15xWxxP02xxx/ 2PSD24xWxxP02xxx/ 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx/ 2PSD24xXxxP02xxx
- Never use any commercial solvents on reflectors

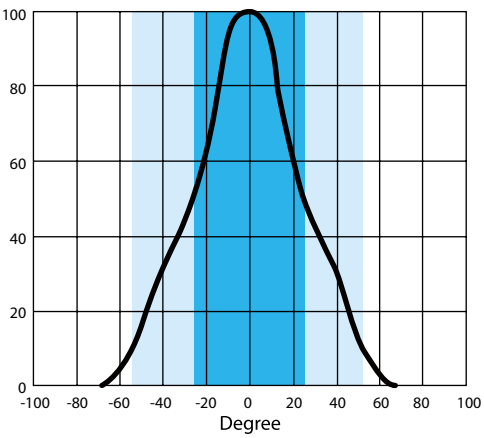


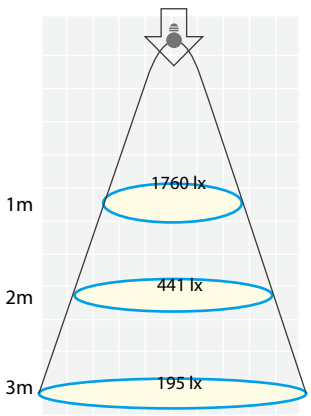
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD24CW06P02001 (W3)	1760	53.5°	106.5°

Note: Emitter flux is 2250lm@16.5V/1.5A

Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







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13RFPBE60003 Specification

For 2PSD15xWxxP02xxx / 2PSD24xWxxP02xxx / 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx / 2PSD24xXxxP02xxx Emitters

Specification

Features :

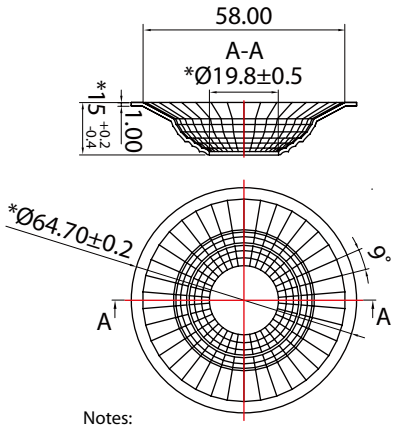
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

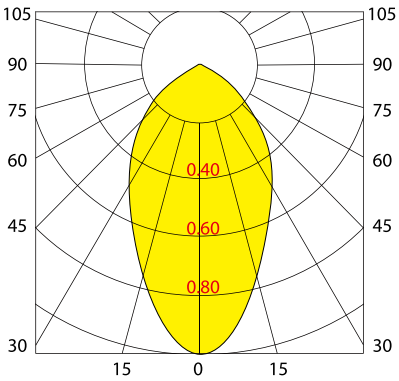
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD15xWxxP02xxx/ 2PSD24xWxxP02xxx/ 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx/ 2PSD24xXxxP02xxx
- Never use any commercial solvents on reflectors

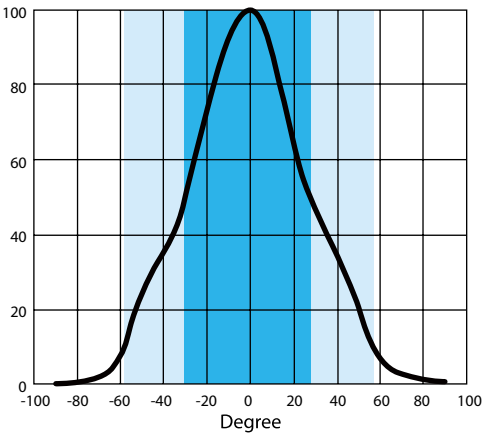


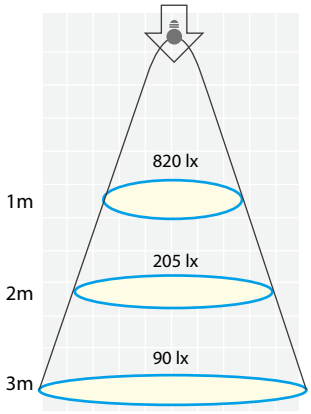
Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm

Emitter Type	Typical Lux @1M	Beam angle	Field angle
2PSD15CW06P02001 (W3)	820	57.5°	115.5°

Note: Emitter flux is 1550lm@12.8V/1.2A







Lighting Design Manufacturing Service

13RFPBEA0002 Specification

For 2PSD15xWxxP02xxx / 2PSD24xWxxP02xxx / 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx / 2PSD24xXxxP02xxx Emitters

Specification

Features :

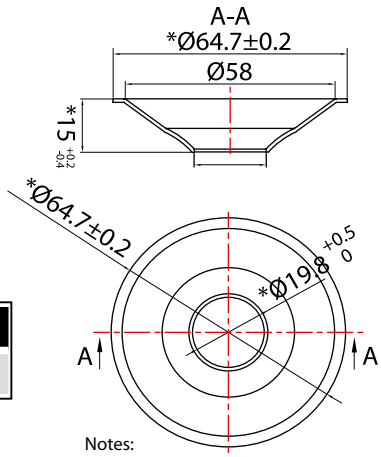
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

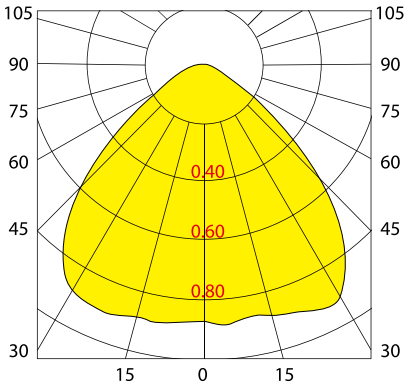
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD15xWxxP02xxx/ 2PSD24xWxxP02xxx/ 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx/ 2PSD24xXxxP02xxx
- Never use any commercial solvents on reflectors

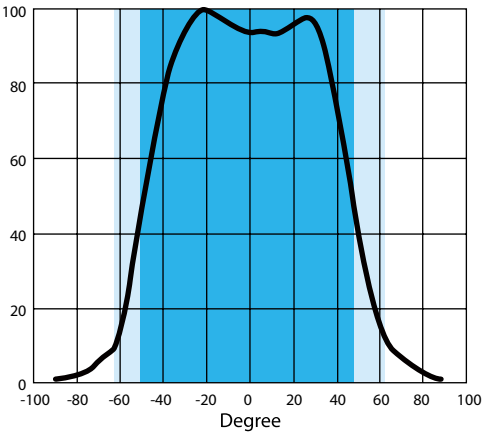


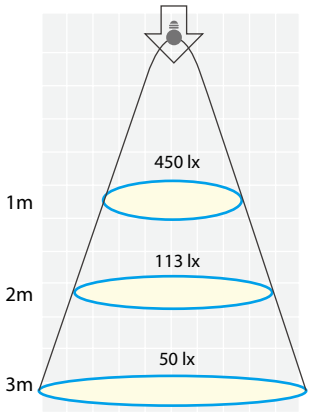
Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD15CW06P02001 (W3)	450	98°	124.5°

Note: Emitter flux is 1550lm@12.8V/1.2A







Lighting Design Manufacturing Service

13RFPBE60002 Specification

For 2PSD15xWxxP02xxx / 2PSD24xWxxP02xxx / 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx / 2PSD24xXxxP02xxx Emitters

Specification

Features :

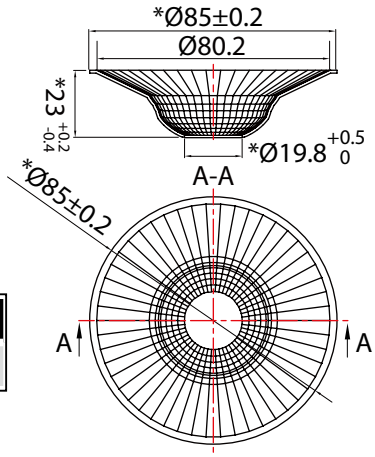
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

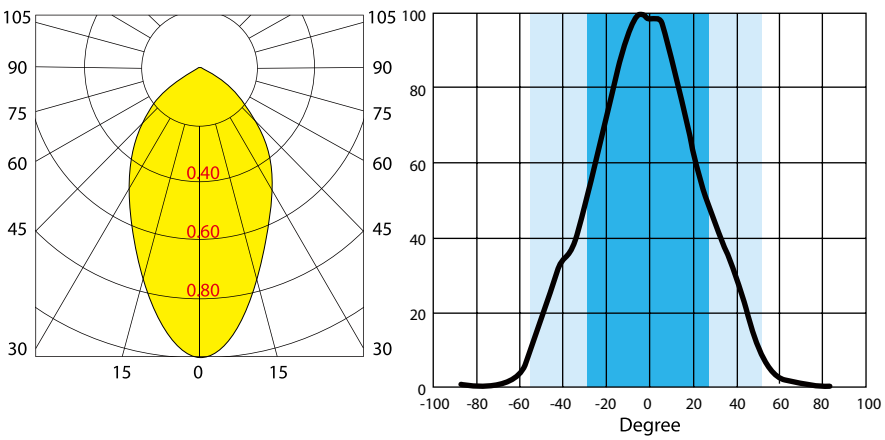
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD15xWxxP02xxx/ 2PSD24xWxxP02xxx/ 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx/ 2PSD24xXxxP02xxx
- Never use any commercial solvents on reflectors

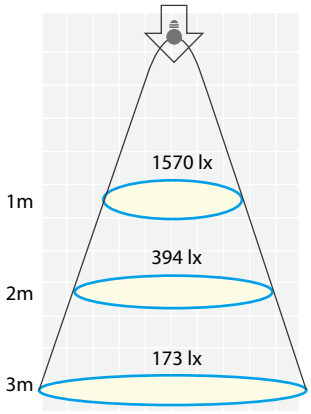


Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD24CW06P02001 (W3)	1570	56.5°	106.5°

Note: Emitter flux is 2250lm@16.5V/1.5A

Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm





Lighting Design Manufacturing Service

13RFPBEA0001 Specification

For 2PSD15xWxxP02xxx / 2PSD24xWxxP02xxx / 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx / 2PSD24xXxxP02xxx Emitters

Specification

Features :

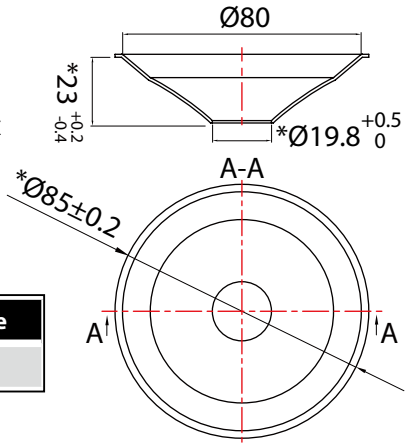
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

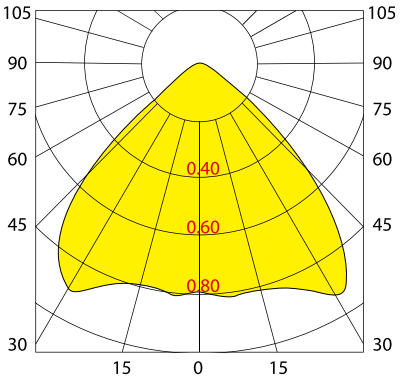
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD15xWxxP02xxx/ 2PSD24xWxxP02xxx/ 2PHV09xWxxP02xxx / 2PHV13xWxxP02xxx/ 2PSD24xXxxP02xxx
- Never use any commercial solvents on reflectors

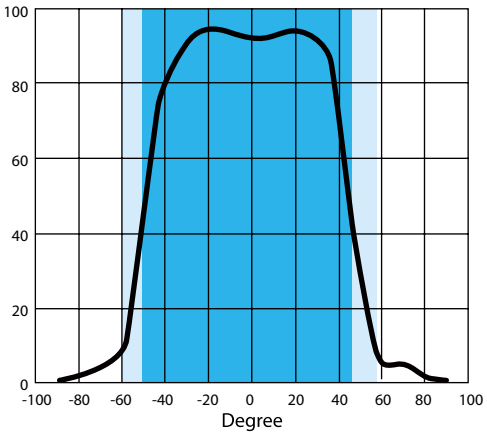


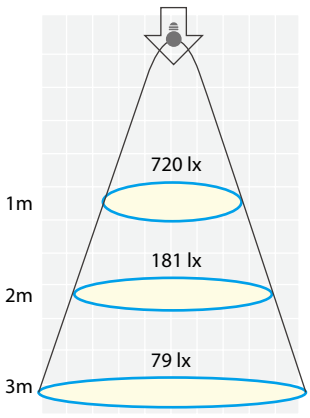
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD24CW06P02001 (W3)	720	96.5°	117.5°

Note: Emitter flux is 2250lm@16.5V/1.5A

Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







Lighting Design Manufacturing Service

13RFPCF40001 Specification

For 2PSD40xWxxP03xxx / 2PSD50xWxxP03xxx Emitters

Specification

Features :

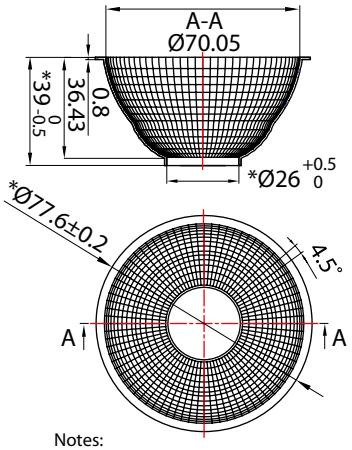
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

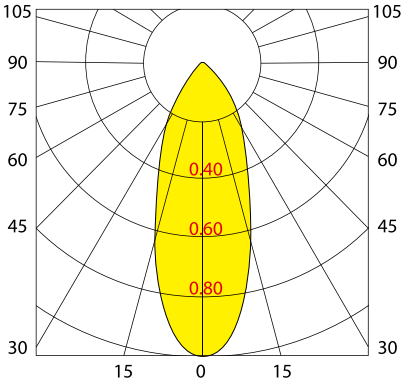
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD40xWxxP03xxx / 2PSD50xWxxP03xxx
- Never use any commercial solvents on reflectors

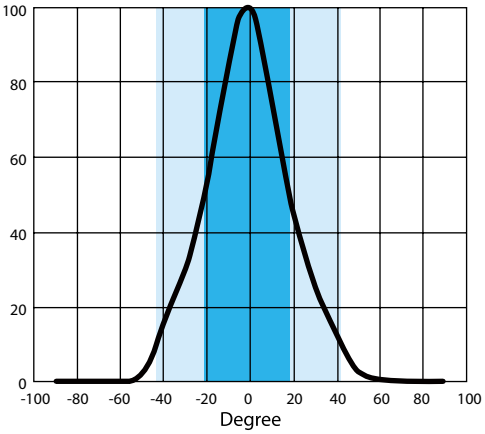


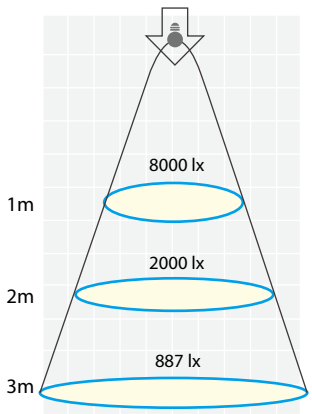
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD50CW06P03001 (W3)	8000	39.5°	85°

Note: Emitter flux is 4500lm@22.6V/2.2A

Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







Lighting Design Manufacturing Service

13RFPCF60001 Specification

For 2PSD40xWxxP03xxx / 2PSD50xWxxP03xxx Emitters

Specification

Features :

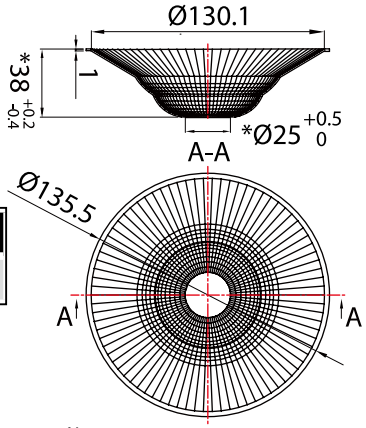
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

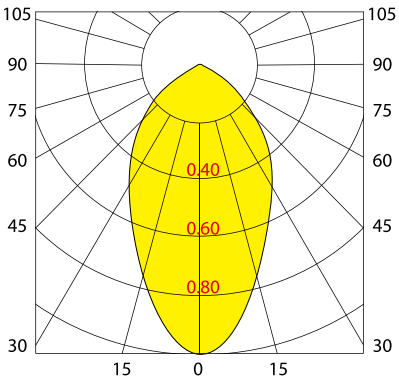
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD40xWxxP03xxx / 2PSD50xWxxP03xxx
- Never use any commercial solvents on reflectors

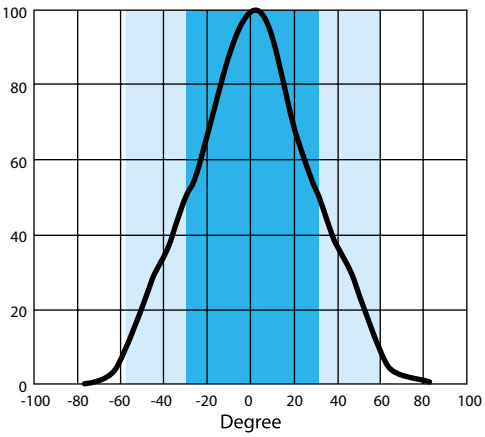


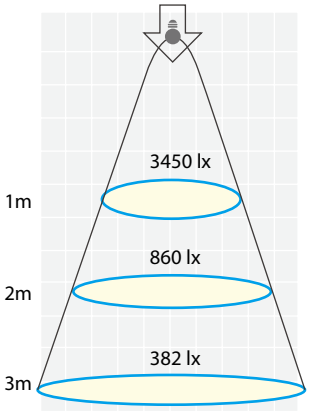
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD50CW06P03001 (W3)	3450	62°	117°

Note: Emitter flux is 4500lm@22.6V/2.2A

Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







Lighting Design Manufacturing Service

13RFPCFA0001 Specification

For 2PSD40xWxxP03xxx / 2PSD50xWxxP03xxx Emitters

Specification

Features :

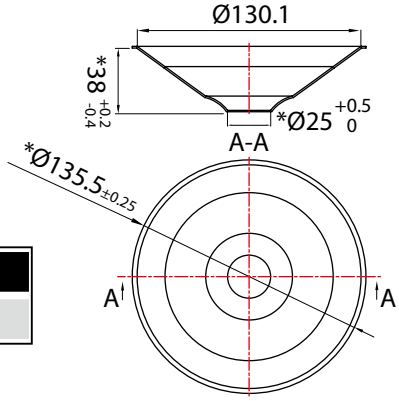
- Reflector material Al(1090)
- Wide beam angle

General Application :

- Flood light

Application Note

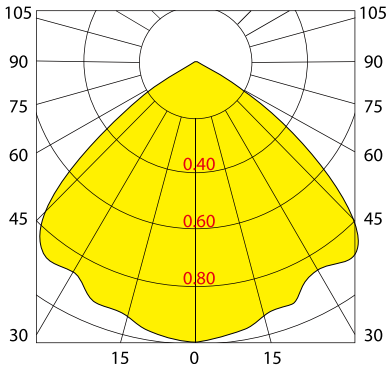
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD40xWxxP03xxx / 2PSD50xWxxP03xxx
- Never use any commercial solvents on reflectors

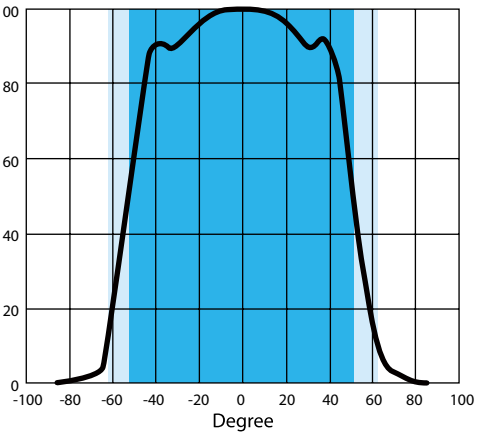


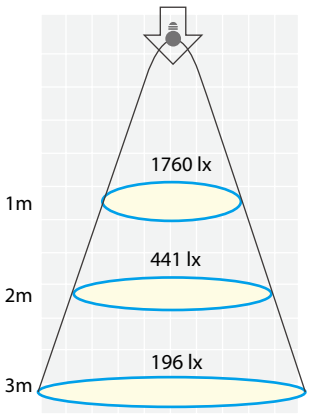
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSD50CW06P03001 (W3)	1760	104°	124.5°

Note: Emitter flux is 4500lm@22.6V/2.2A

Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







Lighting Design Manufacturing Service

13RFPDF30001 Specification

For 2PSD60xWxxP04xxx / 2PSDA2xWxxP04xxx Emitters

Specification

Features :

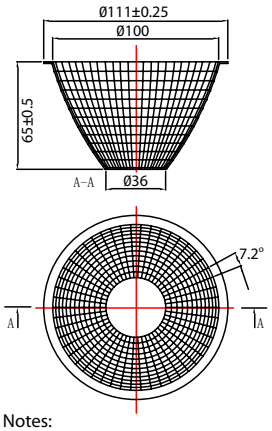
- Reflector material Al(1090)
- Narrow beam angle

General Application :

- Spot light

Application Note

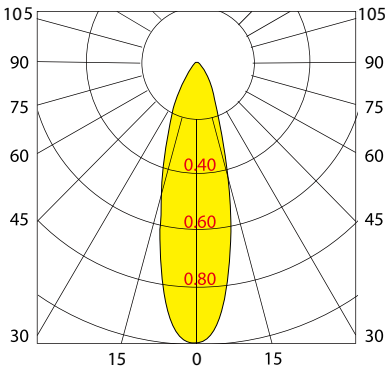
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD60xWxxP04xxx / 2PSDA2xWxxP04xxx
- Never use any commercial solvents on reflectors

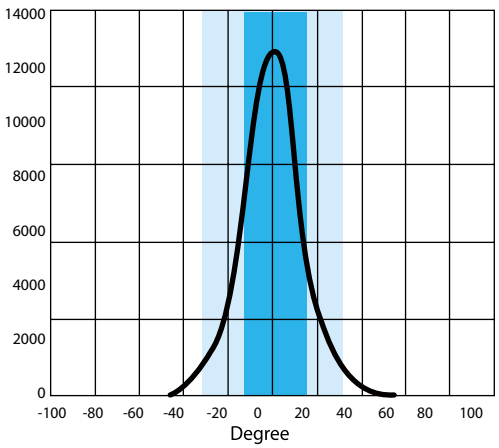


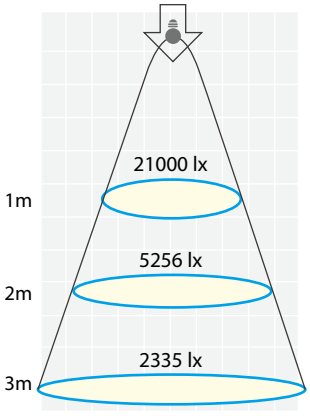
Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm

Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSDA2WW05P04001	21000	28°	63.5°

Note: Emitter flux is 8800lm@33V/3.6A







Lighting Design Manufacturing Service

13RFPDF50001 Specification

For 2PSD60xWxxP04xxx / 2PSDA2xWxxP04xxx Emitters

Specification

Features :

- Reflector material Al(1090)
- Wide beam angle

General Application :

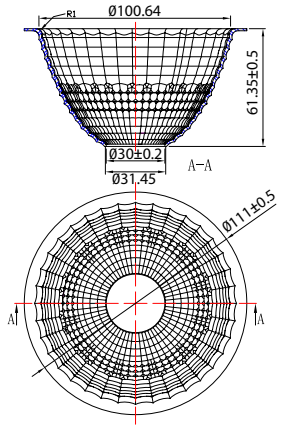
- Flood light

Application Note

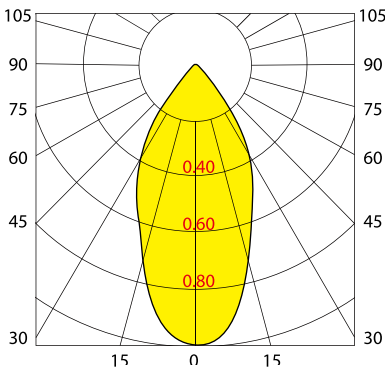
- Operating temperature -40°C ~ +70°C (Upper limit +80°C)
- Apply with 2PSD60xWxxP04xxx / 2PSDA2xWxxP04xxx
- Never use any commercial solvents on reflectors

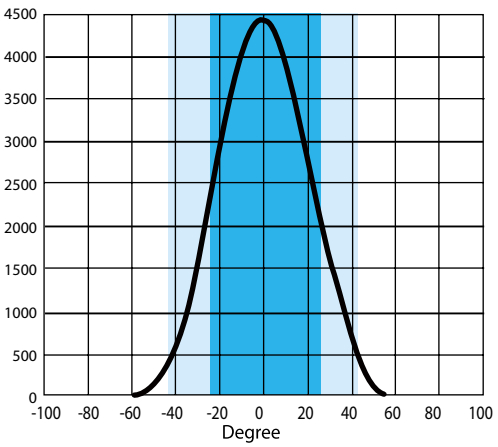
Emitter Type	Typical Lux @ 1M	Beam angle	Field angle
2PSDA2WW05P04001	10000	49.5°	86°

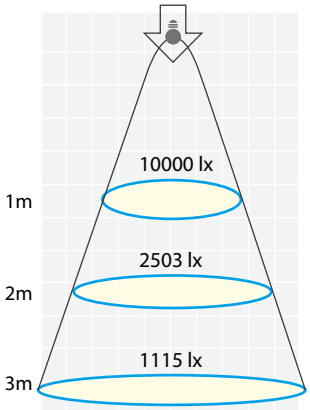
Note: Emitter flux is 8800lm@33V/3.6A



Notes:
1. Unit : mm
2. Unmarked Tolerance : ± 0.2 mm







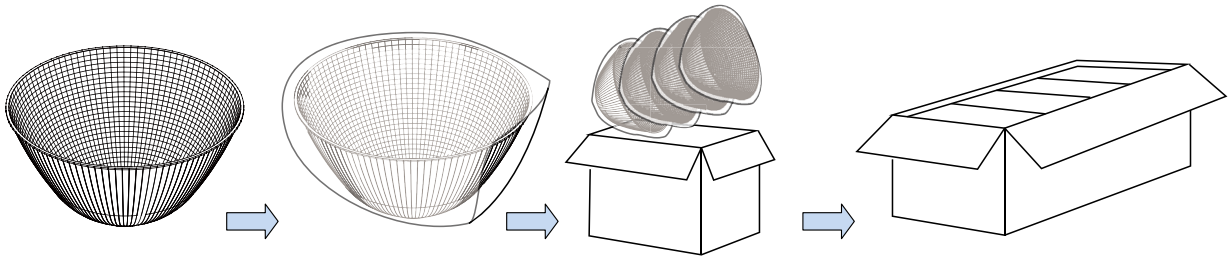
Lighting Design Manufacturing Service

Package Information

The shipping label on the carton specifies the company name, the part number, product quantity, telephone number, fax number and address.

Every reflector should be packed with one plastic bag and place into the box. Every carton contains several boxes. Please refer to the following table for detailed specification.

Diameter	Box Size and package number	Carton size and package number	Total
Diameter<70	100*90*140, total 30pcs/box	535*375*310, 40box/carton	1200pcs/carton
71<Diameter<100	100*100*260, total 80pcs/box	345*245*270, 6box/carton	480pcs/carton
101<Diameter<126	145*145*260, total 30pcs/box	435*435*270, 9box/carton	270pcs/carton
127<Diameter<150	175*175*280, total 40pcs/box	710*365*290, 8box/carton	320pcs/carton



Reflector Plastic bag Box Carton

Note:
1. All dimensions are in mm

EDISON
Lighting Design Manufacturing Service

Revision History

Version	Description	Release Date
1	Datasheet established	2013/1/25
2	Correct the Carton size and package number of package information.	2013/9/2

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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