



Semi-Lighting **LED** Luminaires



Semi-Lighting Co.,Ltd.

The Best Partner of Your ECO Life

Meeting the lighting needs of our customers since 1984

We are not just making an ordinary lighting but world most energy-efficient lightings for almost 30 years. We serve a broad range of customer from governmental agencies, most of conglomerate and industries in Korea. Having happy customers for 30 years resulted over 90% of market share in the field of Explosion Proof Lighting in Korea and this figure is keep growing as of this writing. We are now expanding our presence to the global market with LED based lighting solution to stand in forefront of a global energy saving effort.

An old-school commitment to the best energy efficiency, value and service.

There are literally thousands of LED lighting manufacturers on the market but only few of them deliver a SIGNIFICANT energy saving grade performance. The primary purpose of using LED based lighting is, of course, to save earth by using less electricity to generate light. We are just following this simple principle and deliver lowest watts per lumen performanc while maintain unmatched consistency in color rendering and total lumen, the brightness. We also understand cost effectiveness is ongoing challenge for all of our customers. For this reason, we strive to learn customers requirments in lighting to provide an optimum solution from lighting layout design to installation. Such an old-school commitment will not change until the last light on earth goes off.

We know exactly what we are doing.

With 30 years of experiences and fatigueless studies, we know how to provide you an optimum lighting solution for the replacement lighting or a new installtion. With Semi-Lighting, you can be sure you are making not just the best decision for your lighting need but the best decision for your shortest return on investment as well.

Company History

1984

10 Woorchang Electrical Industry Co. was born.

1988

12 Renamed to 'Hyundai Explosion Proof Electricity Co, LTD.'

2008

01 Established a sister company HEPEC corporation

2009

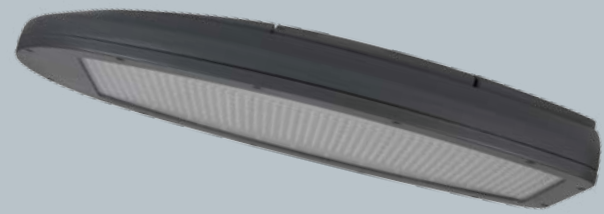
07 Established Semi Lighting Co.,Ltd. (LED Industrial Lighting)

2013

03 Selected as the Best Product at Seoul Metropolis LED Lighintg MBT
08 Open Seoul branch office

Contents

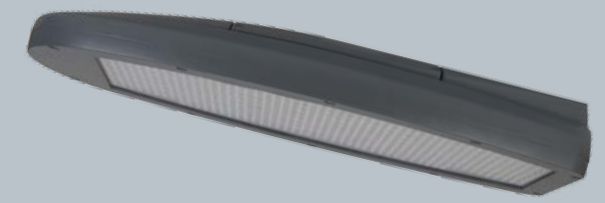
Roadway LED Lighting	04
Street and Security LED Lighting	08
Park LED Lighting	10
Tunnel LED Lighting	12
LED Flood Lighting	14
Ground Recessed Lighting	18
Non-Sparking LED Lighting Fixture	20
Dust Proof LED Lighting Fixture	22
Explosion Proof LED Lighting Fixture	24
Flood LED Lighting	31
High Bay LED Lighting	32



LED 가로등

Roadway LED Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part



LED 가로등

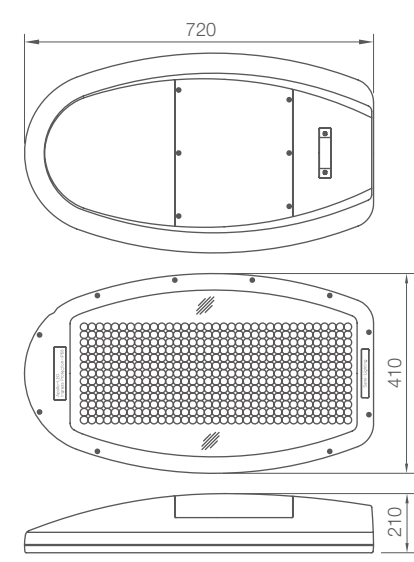
Roadway LED Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part

LED Apollo-Aluminum



PRODUCT SPECIFICATION



CERTIFICATION



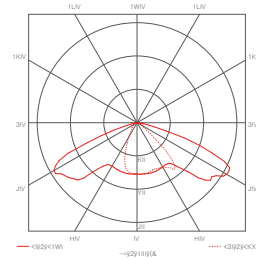
PRODUCT CONTENTS

Model No.	APA-L70 (APA-RD-L70)	APA-L80 (APA-RD-L80)	APA-L100 (APA-RD-L100)	APA-L120 (APA-RD-L120)	APA-L150 (APA-RD-L150)
Power	70W	80W	100W	120W	150W
Replaced	MH300W	MH400W	MH400W	MH500W	MH700W
Energy saving	85%	85%	85%	85%	85%
Certificate	KS , High-Efficiency				KS
Luminous Efficiency	151lm/W ±10%	155lm/W ±10%	160lm/W ±10%	158lm/W ±10%	146lm/W ±10%
Total luminous flux	10,570lm ±10%	12,400lm ±10%	16,000lm ±10%	18,960lm ±10%	21,900lm ±10%

Type	External, SMPS
Protection	IP66
Ambient Temp	-30~+70℃
Weight	9.7kg
Arm size	62Ø
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
ACC	SUS

PHOTOMETRIC DATA

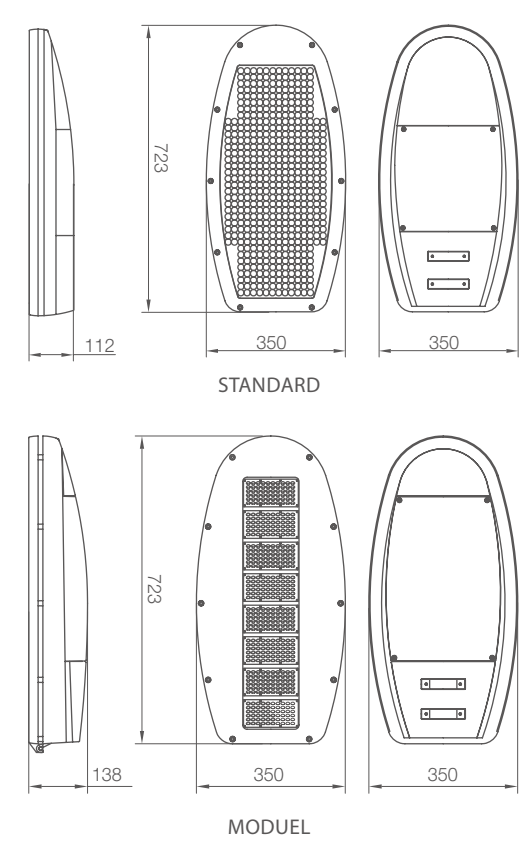
Photometric data-120



LED Diana



PRODUCT SPECIFICATION



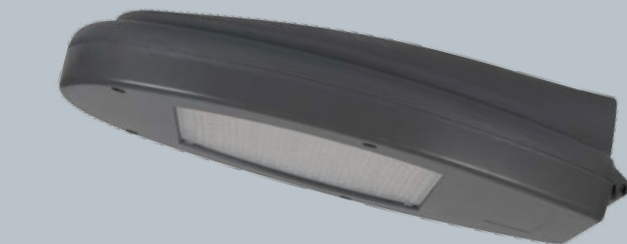
PRODUCT CONTENTS

Model No.	STANDARD TYPE		MODULE TYPE	
	DIA-L70 (DIA-RD-L70)	DIA-L80 (DIA-RD-L80)	DIA-L100M (DIA-RE-L100)	DIA-L200M (DIA-RE-L200)
Power	70W	80W	100W	150W
Replaced	MH300W	MH400W	MH400W	MH700W
Certificate	KS	KS	KS	KS(In progress)
Luminous Efficiency	140lm/W ±10%	142lm/W ±10%	140lm/W ±10%	140lm/W ±10%
Total luminous flux	9,800lm ±10%	11,360lm ±10%	14,000lm ±10%	21,000lm ±10%
Weight	8.8kg	8.8kg	7.1kg	8.6kg

Type	External, SMPS
Protection	IP 66
Ambient Temp	-20~+40℃
Arm size	62Ø
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
ACC	SUS

CERTIFICATION

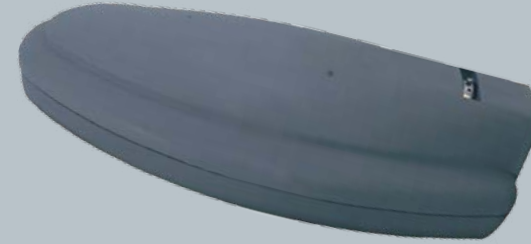




LED 보안등

Street and Security LED Lighting

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part



LED 가로등

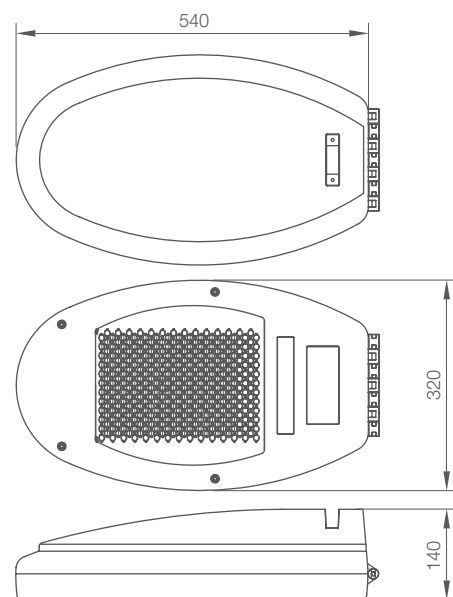
Roadway LED Lighting

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part

LED Hera-Aluminum



PRODUCT SPECIFICATION



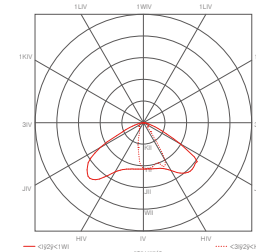
PRODUCT CONTENTS

Model No.	HRA-L5S (HRA-T-L25)	HRA-L30 (HRA-T-L30)	HRA-L10 (HRA-T-L46)	HRA-L60 (HRA-T-L60)
Power	25W	30W	46W	60W
Replaced	HPS 100~150W	HPS 100~200W	HPS 150~250W	HPS 250~300W
Energy saving	85%	85%	85%	85%
Certificate	KS, High-Efficiency			KS
Luminous Efficiency	144lm/W ±10%	150lm/W ±10%	142lm/W ±10%	141lm/W ±10%
Total luminous flux	3,600lm ±10%	4,500lm ±10%	6,532lm ±10%	8,460lm ±10%

Type	Built-in, SMPS
Protection	IP66
Ambient Temp	-30~+70℃
Weight	5.5kg
Arm size	42Ø
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
ACC	SUS

PHOTOMETRIC DATA

Photometric data-120



CERTIFICATION



High Efficiency
Certificate



KS Certificate



Korean Women
Entrepreneurs
Association

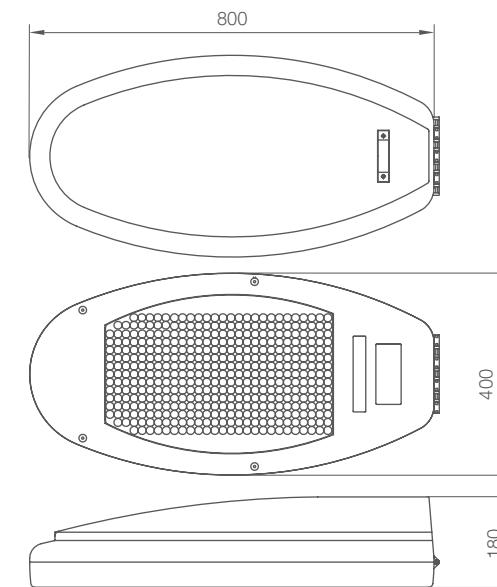


서울특별시
Seoul LED Light
Test Bed
Best Product

LED Apollo-ENG Plastic



PRODUCT SPECIFICATION



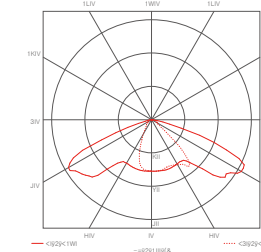
PRODUCT CONTENTS

Model No.	APP-RD-L80
Power	80W
Replaced	HPS 400W
Energy saving	85%
Certificate	KS
Luminous Efficiency	155lm/W±10%
Total luminous flux	12,400lm±10%

Type	External, SMPS
Protection	IP66
Ambient Temp	-20~+40℃
Weight	7kg
Arm size	62Ø
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Body & Cover	ENG Plastic
Front cover	Heat resistant hard glass
ACC	SUS

PHOTOMETRIC DATA

Photometric data-120



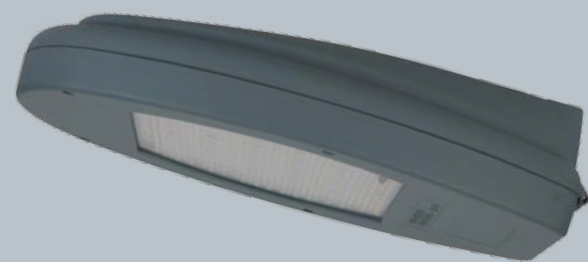
CERTIFICATION



KS Certificate



Korean Women
Entrepreneurs
Association



LED 보안등

Street and Security LED Lighting

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part



LED 보안등

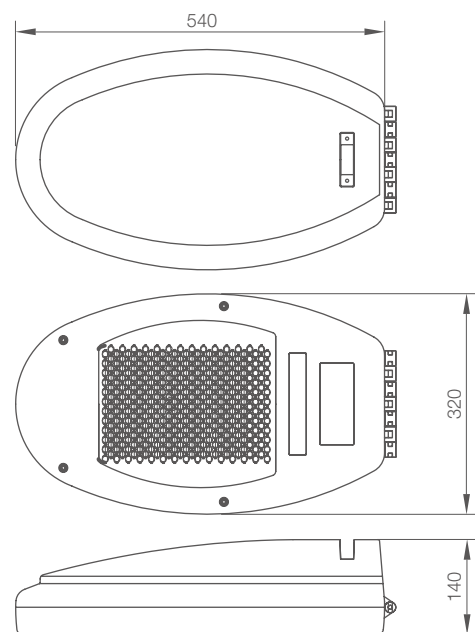
Street and Security LED Lighting

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part

LED Hera-ENG Plastic



PRODUCT SPECIFICATION



CERTIFICATION



KS Certificate



Korean Women
Entrepreneurs
Association

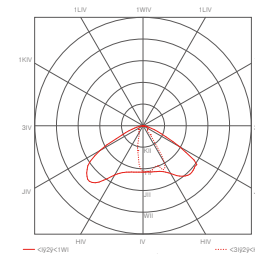
PRODUCT CONTENTS

Model No.	HRP-ST-L25	HRP-ST-L30	HRP-ST-L46	HRP-ST-L60
Power	25W	30W	46W	60W
Replaced	HPS 100~150W	HPS 100~200W	HPS 150~250W	HPS 250~300W
Energy saving	85%	85%	85%	85%
Certificate	KS			
Luminous Efficiency	144lm/W ±10%	150lm/W ±10%	142lm/W ±10%	141lm/W ±10%
Total luminous flux	3,600lm ±10%	4,500lm ±10%	6,532lm ±10%	8,460lm ±10%

Type	Built-in, SMPS
Protection	IP66
Ambient Temp	-20~+40℃
Weight	4kg
Arm size	42Ø
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Body & Cover	ENG Plastic
Front cover	Heat resistant hard glass
ACC	SUS

PHOTOMETRIC DATA

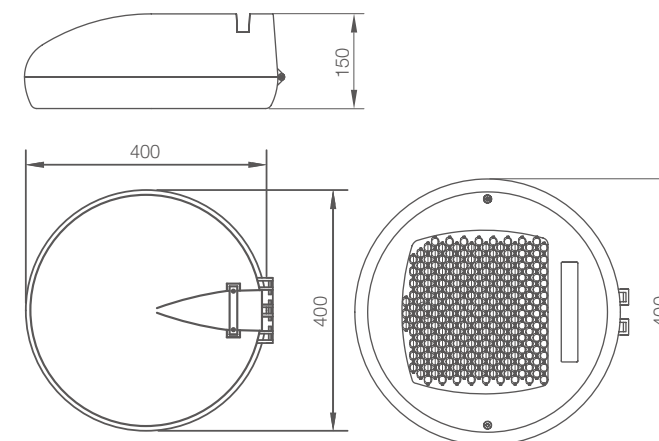
Photometric data-120



LED Zeus-ENG Plastic



PRODUCT SPECIFICATION



PRODUCT CONTENTS

Model No.	ZS-L25 (ZUS-ST-L25)	ZS-L35 (ZUS-ST-L35)
Power	25W	35W
Replaced	HPS 100~150W	HPS 100~200W
Energy saving	85%	85%
Certificate	KS	
Luminous Efficiency	133lm/W±10%	133lm/W±10%
Total luminous flux	3,325lm±10%	4,655lm±10%

Type	Built-in, SMPS
Protection	IP66
Ambient Temp	-20~+40℃
Weight	4kg
Arm size	42Ø
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Body & Cover	ENG Plastic
Front cover	Heat resistant hard glass
ACC	SUS

CERTIFICATION



KS Certificate

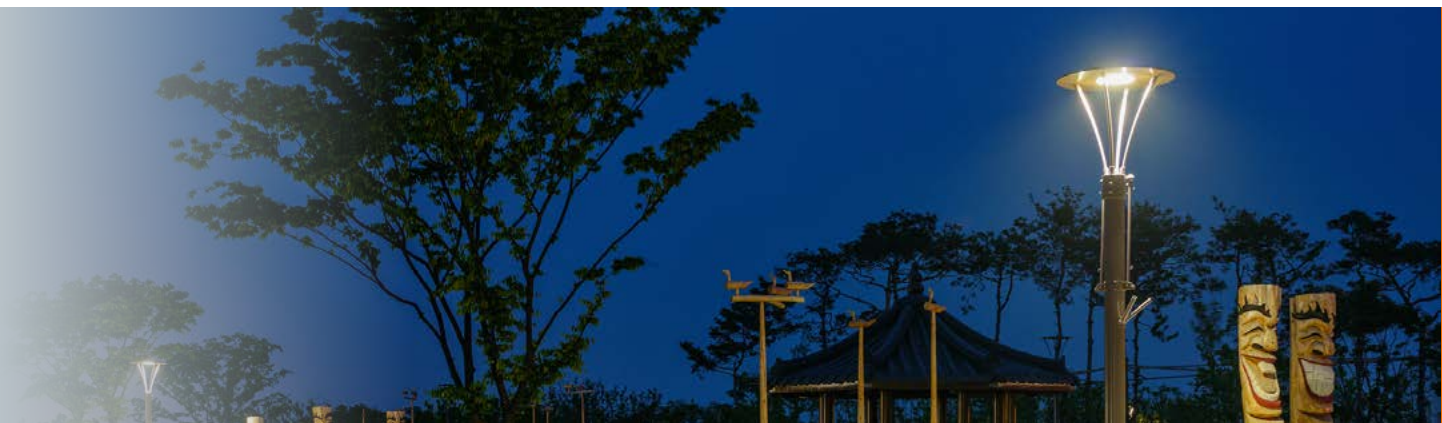


Korean Women
Entrepreneurs
Association



Park LED Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part



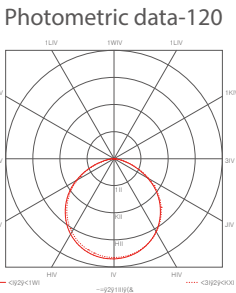
LED Silvia



PRODUCT CONTENTS

Model No.	CDC-LS-L60A	CDC-LS-L60B	SVA-LS-L60
Power	60W	60W	60W
Replaced	HPS 250W	HPS 250W	HPS 250W
Energy saving	85%	85%	85%
Luminous Efficiency	155lm/W±10%	155lm/W±10%	155lm/W±10%
Total luminous flux	9,300lm±10%	9,300lm±10%	9,300lm±10%
Weight	18Kg	5Kg	4Kg
Arm size	139.8Ø	139.8Ø	75Ø
Body	Cast Aluminum Alloy	Polycarbonate	Polycarbonate
Type	External, SMPS		
Protection	IP66		
Ambient Temp	-30~+60℃		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	120°		
Top cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
ACC	SUS		

PHOTOMETRIC DATA

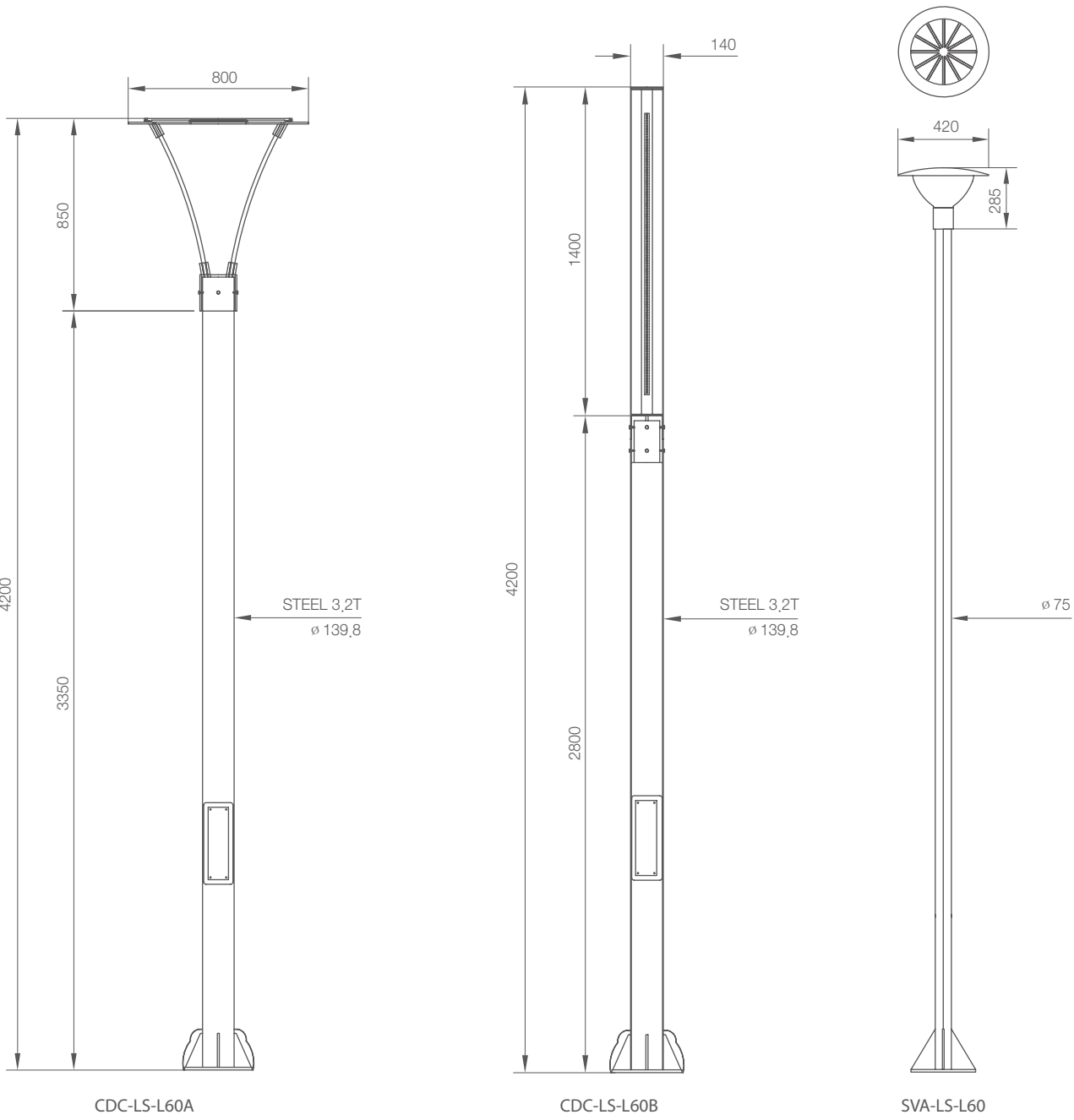


CERTIFICATION



LED Silvia

PRODUCT SPECIFICATION





LED 터널등

Tunnel LED Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part



LED 터널등(도로공사용)

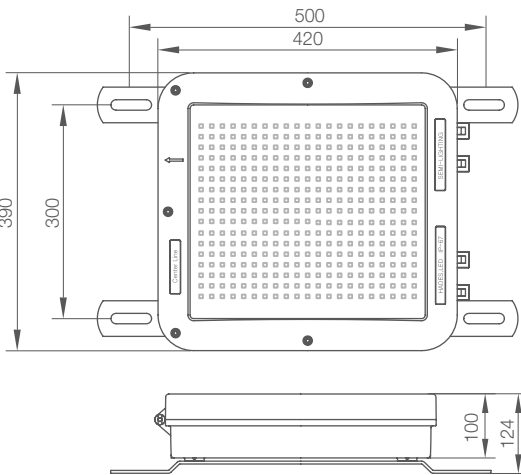
Tunnel LED Lighting (MODULE TYPE)

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part

LED Aurora



PRODUCT SPECIFICATION

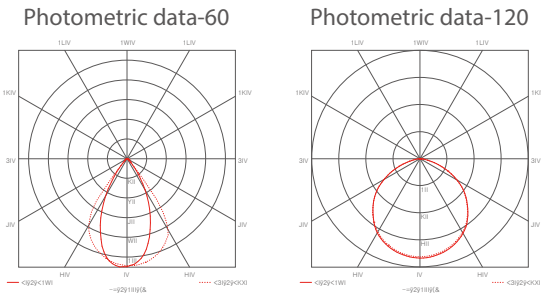


PRODUCT CONTENTS

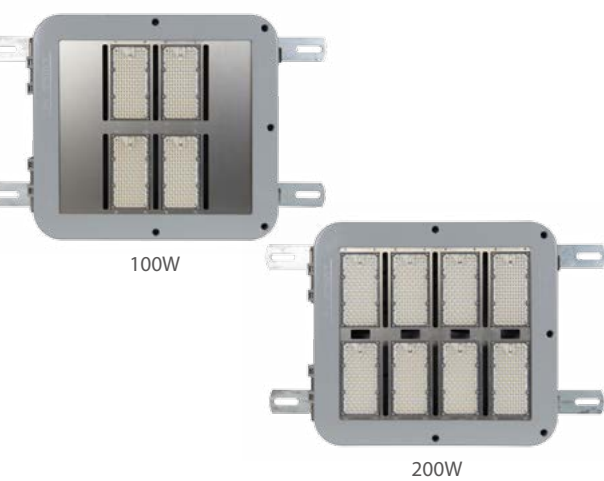
Model No.	STANDARD TYPE	
	AUT-L60 (AUR-TN-L60)	AUT-L120 (AUR-TN-L120)
Power	60W	120W
Replaced	HPS 250W	HPS 400W
Energy saving	80%	80%
Certificate	KS, High-Efficiency	
Luminous Efficiency	154lm/W±10%	162lm/W±10%
Total luminous flux	9,240lm±10%	19,440lm±10%

Type	Built-in, SMPS
Protection	IP66
Ambient Temp	-30~+70℃
Weight	10kg
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	60°, 120°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
ACC	SUS

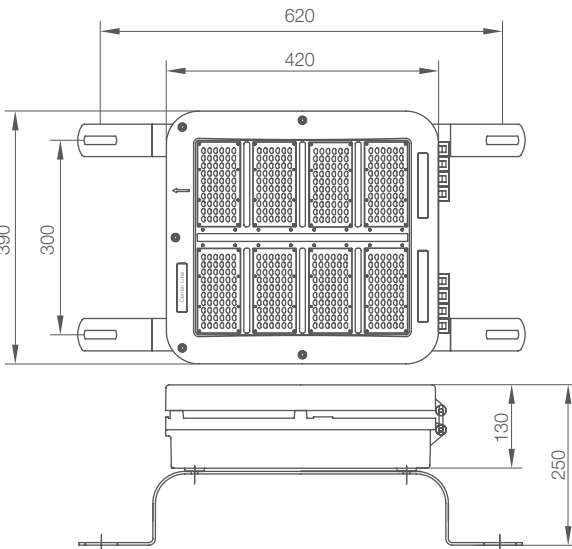
PHOTOMETRIC DATA



CERTIFICATION



PRODUCT SPECIFICATION



PRODUCT CONTENTS

Model No.	MODULE TYPE(KEC)	
	AUT-L100M (AUR-TE-L100)	AUT-L200M (AUR-TE-L200)
Power	100W	200W
Replaced	HPS 250W	HPS 400W
Energy saving	70%	60%
Certificate	KS, High-Efficiency	
Luminous Efficiency	135lm/W±10%	140lm/W±10%
Total luminous flux	13,500lm±10%	28,000lm±10%

Type	Built-in, SMPS
Protection	IP66
Ambient Temp	-30~+70℃
Weight	12.5kg
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	60°, 120°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
ACC	SUS

CERTIFICATION





LED 투광등

LED Flood Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part



LED 투광등(경기장용)

LED Flood Lighting (SPORT TYPE)

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part

LED Aurora

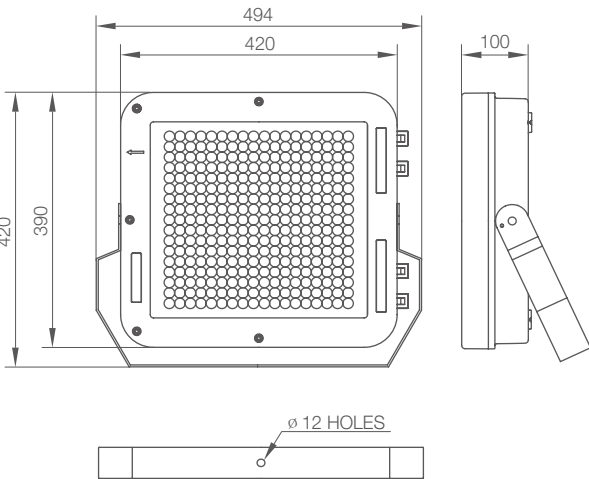


PRODUCT CONTENTS

Model No.	AUF-L60 (AUR-FL-L60)	AUF-L120 (AUR-FL-L120)
Power	60W	120W
Replaced	HPS 250W	HPS 400W
Energy saving	90%	75%
Certificate	KS	KS, High-Efficiency
Luminous Efficiency	154lm/W±10%	162lm/W±10%
Total luminous flux	9,240lm±10%	19,440lm±10%

Type	Built-in, SMPS
Protection	IP66
Ambient Temp	-30~+70℃
Weight	10kg
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	60°, 120°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
ACC	SUS

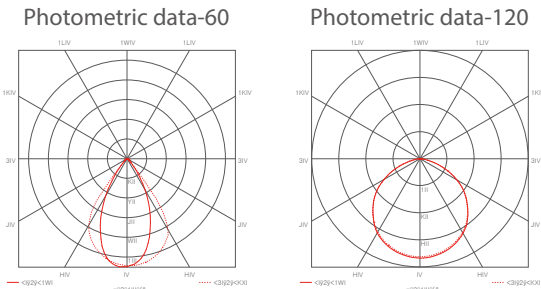
PRODUCT SPECIFICATION



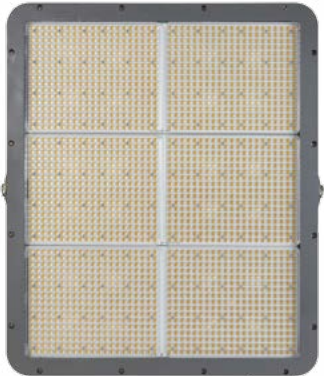
CERTIFICATION



PHOTOMETRIC DATA



LED Aurora

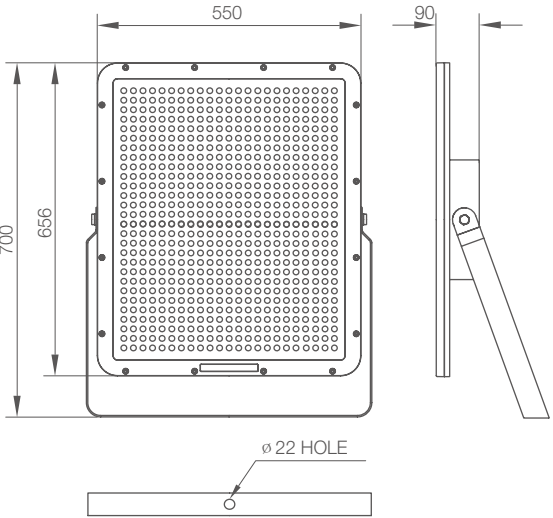


PRODUCT CONTENTS

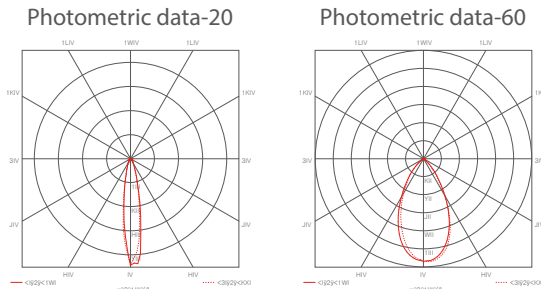
Model No.	AUF-L240 (AUS-FL-L240)	AUF-L320 (AUS-FL-L320)	AUF-L400 (AUS-FL-L400)	AUF-L640 (AUS-FL-L640)	AUF-L1000 (AUS-FL-L1000)
Power	240W	320W	400W	640W	1000W
Replaced	MH 700~1,000W	MH 1,000~1,500W	MH 1,500~2,000W	MH 2,000~2,500W	
Energy saving	78%	78%	78%	78%	78%
Luminous Efficiency	160lm/W ±10%	160lm/W ±10%	160lm/W ±10%	158lm/W ±10%	150lm/W ±10%
Total luminous flux	38,400lm ±10%	51,200lm ±10%	64,000lm ±10%	101,120lm ±10%	150,000lm ±10%

Type	External, SMPS
Protection	IP66
Ambient Temp	-30~+60℃
Weight	16kg
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	20°, 60°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
SMPS	Constant current
ACC	SUS

PRODUCT SPECIFICATION



PHOTOMETRIC DATA



CERTIFICATION





LED 투광등

LED Flood Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part



LED 투광등

LED Flood Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part

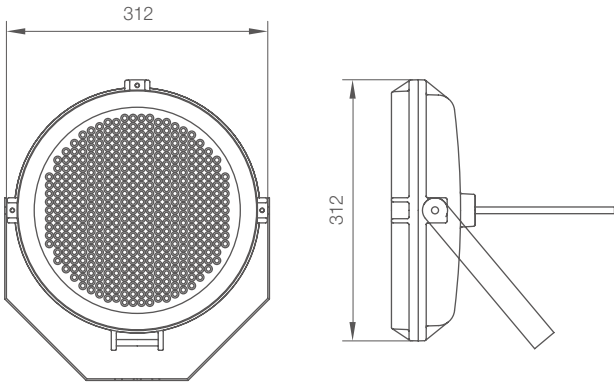
LED nR



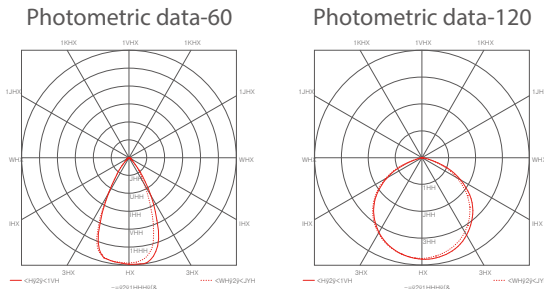
PRODUCT CONTENTS

Model No.	nR-FL-L30	nR-FL-L45	nR-FL-L60
Power	30W	45W	60W
Replaced	MH 175W	MH 250W	MH 400W
Energy saving	85%	85%	85%
Certificate	KS		
Luminous Efficiency	150lm/W±10%	150lm/W±10%	157lm/W±10%
Total luminous flux	4,500lm±10%	6,750lm±10%	9,420lm±10%
Type	Built-in, SMPS		
Protection	IP-66		
Ambient Temp	-30~+70℃		
Weight	4Kg		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	60°, 120°		
Descriptions	Materials		
Body & Cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
SMPS	Constant Current		
ACC	SUS		

PRODUCT SPECIFICATION



PHOTOMETRIC DATA



CERTIFICATION



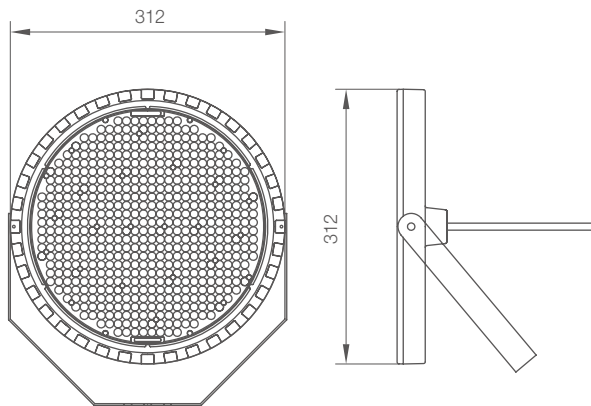
LED Luna



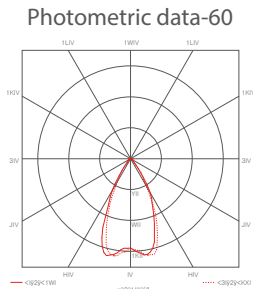
PRODUCT CONTENTS

Model No.	LUNA-F-70 (LUNA-FL-L70)	LUNA-F-80 (LUNA-FL-L80)	LUNA-F-100 (LUNA-FL-L100)	LUNA-F-120 (LUNA-FL-L120)
Power	70W	80W	100W	120W
Replaced	MH 250W	MH 300W	MH 400W	MH 450W
Energy saving	75%	75%	75%	75%
Certificate	KS, High-Efficiency			KS
Luminous Efficiency	150lm/W ±10%	149lm/W ±10%	140lm/W ±10%	133lm/W ±10%
Total luminous flux	10,500lm ±10%	11,920lm ±10%	14,000lm ±10%	15,960lm ±10%
Type	External, SMPS			
Protection	IP-66			
Ambient Temp	-30~+70℃			
Weight	4Kg			
Warranty	3 Years			
Rated Voltage	AC 100~240V			
Frequency	50HZ ~ 60HZ			
Power factor	MIN, 90%			
CCT	5,000K±10%			
CRI	85±5%			
Beam angle	60°, 120°			
Descriptions	Materials			
Body & Cover	Cast Aluminum Alloy			
Front cover	Heat resistant hard glass			
SMPS	Constant Current			
ACC	SUS			

PRODUCT SPECIFICATION



PHOTOMETRIC DATA



CERTIFICATION





LED 지중 매립등

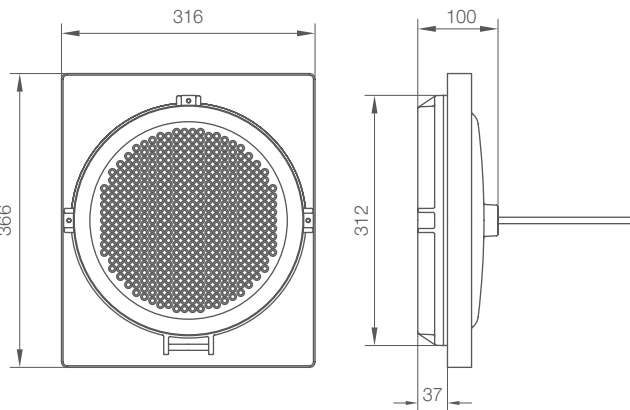
Ground Recessed Lighting

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part

LED nR



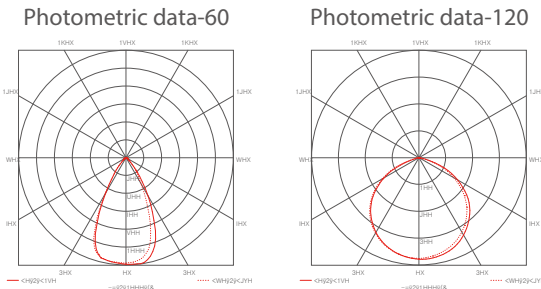
PRODUCT SPECIFICATION



PRODUCT CONTENTS

Model No.	nR-RC-L30	nR-RC-L45	nR-RC-L60
Power	30W	45W	60W
Replaced	MH 175W	MH 250W	MH 400W
Energy saving	85%	85%	85%
Luminous Efficiency	150lm/W±10%	150lm/W±10%	157lm/W±10%
Total luminous flux	4,500lm±10%	6,750lm±10%	9,420lm±10%
Type	Built-in, SMPS		
Protection	IP-66		
Ambient Temp	-20~+40℃		
Weight	4Kg		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	60°, 120°		
Descriptions	Materials		
Body & Cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
SMPS	Constant Current		
ACC	SUS		

PHOTOMETRIC DATA

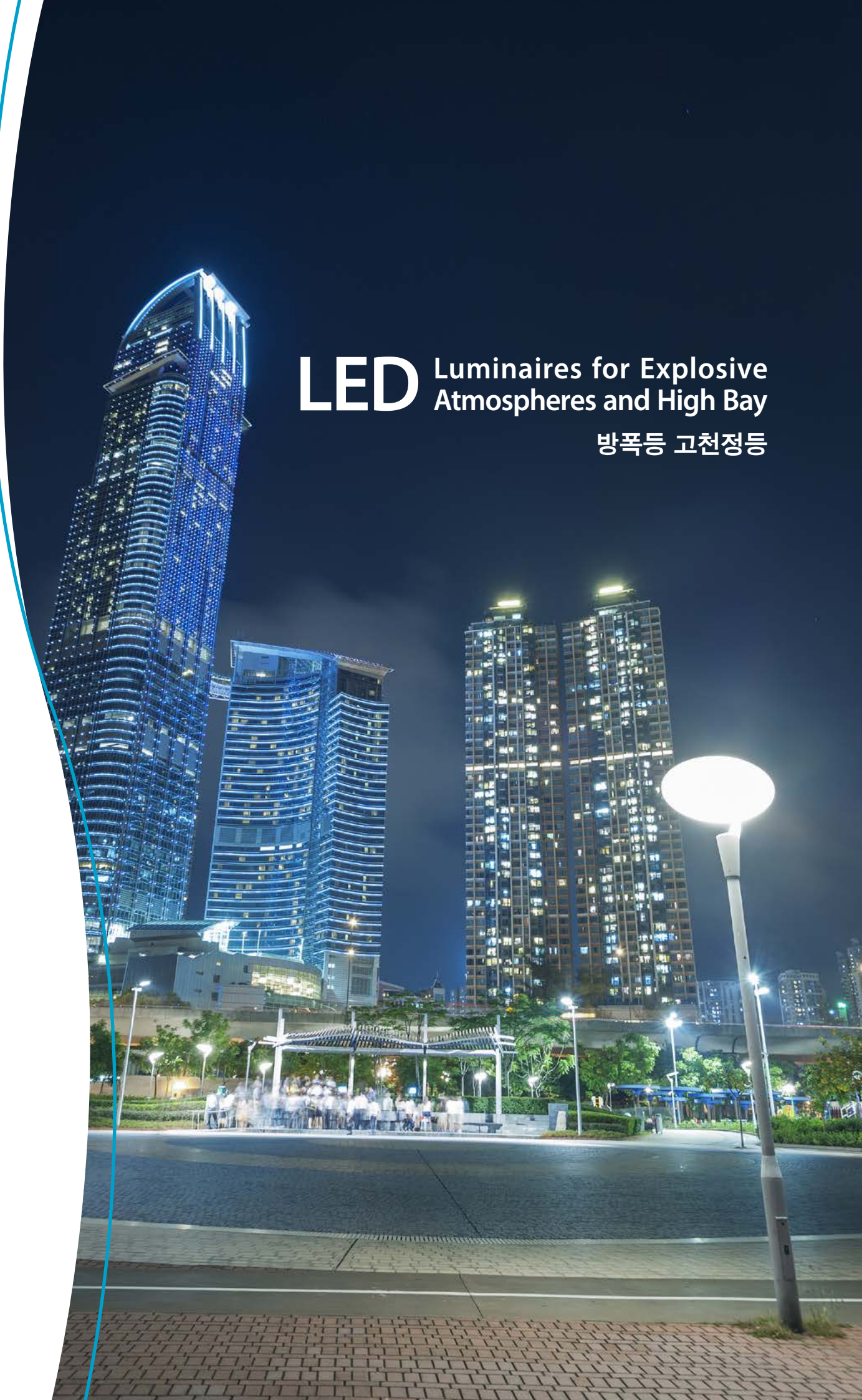


CERTIFICATION



LED Luminares for Explosive Atmospheres and High Bay

방폭등 고천정등





LED 비점화 방폭등

Non-Sparking LED Lighting Fixture (Ex nR)

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part



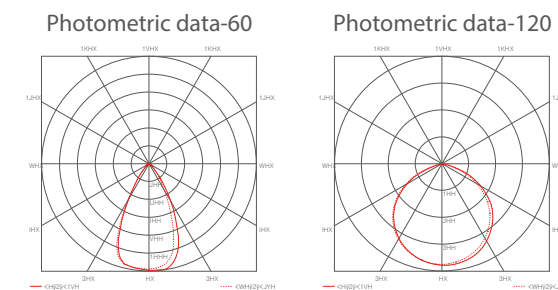
LED Ex nR II T5 IP66 For Zone2



PRODUCT CONTENTS

Model No.	nR-L60-120		
Power	30W	45W	60W
Replaced	MH 175W	MH 250W	MH 400W
Energy saving	85%	85%	85%
Luminous Efficiency	150lm/W±10%	150lm/W±10%	157lm/W±10%
Total luminous flux	4,500lm±10%	6,750lm±10%	9,420lm±10%
Type	Built-in, SMPS		
Protection	Ex nR II T5(IP66) For Zone 2		
Ambient Temp	-20~+40℃		
Weight	4Kg±5%		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	60°, 120°		
Descriptions	Materials		
Body & Cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
SMPS	Constant Current		
ACC	SUS		

PHOTOMETRIC DATA

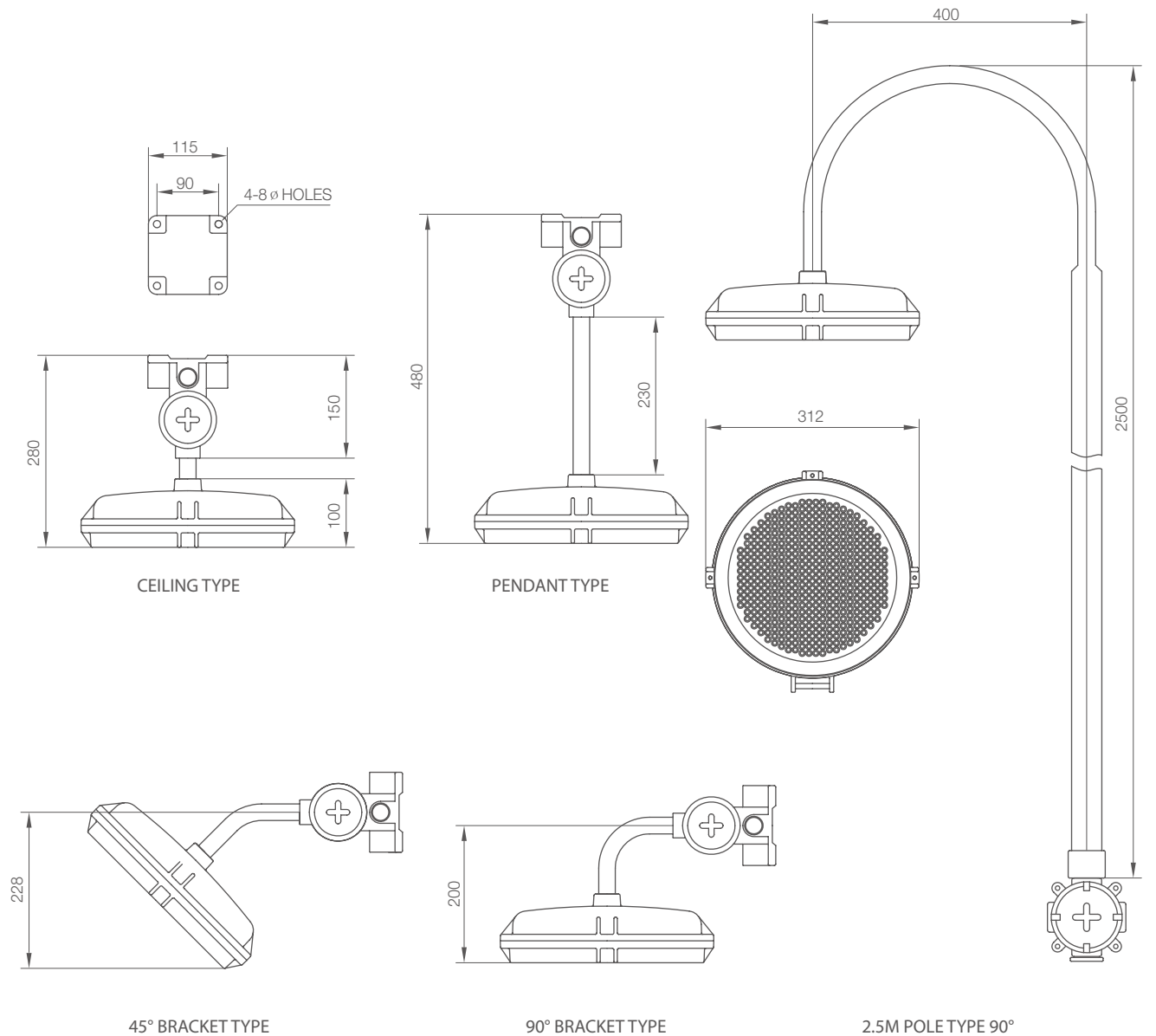


CERTIFICATION



LED Ex nR II T5 IP66 For Zone2

PRODUCT SPECIFICATION





LED 분진 방폭등

Dust Proof LED Lighting Fixture (Ex tD)

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part



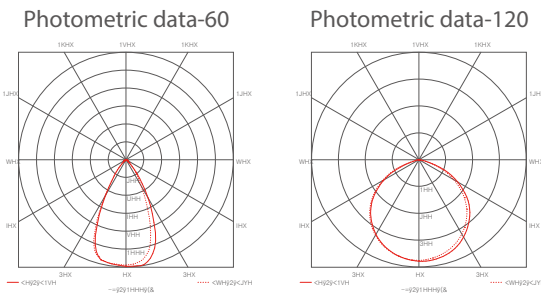
LED Ex tD A21 T100°C IP66 For Zone 2



PRODUCT CONTENTS

Model No.	DIP21-L60-120		
Power	30W	45W	60W
Replaced	MH 175W	MH 250W	MH 400W
Energy saving	85%	85%	85%
Luminous Efficiency	150lm/W±10%	150lm/W±10%	157lm/W±10%
Total luminous flux	4,500lm±10%	6,750lm±10%	9,420lm±10%
Type	Built-in, SMPS		
Protection	Ex tD A21 T5 IP-66(DUST-PROOF)		
Ambient Temp	-20~+40°C		
Weight	4Kg±5%		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	60°, 120°		
Descriptions	Materials		
Body & Cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
SMPS	Constant Current		
ACC	SUS		

PHOTOMETRIC DATA

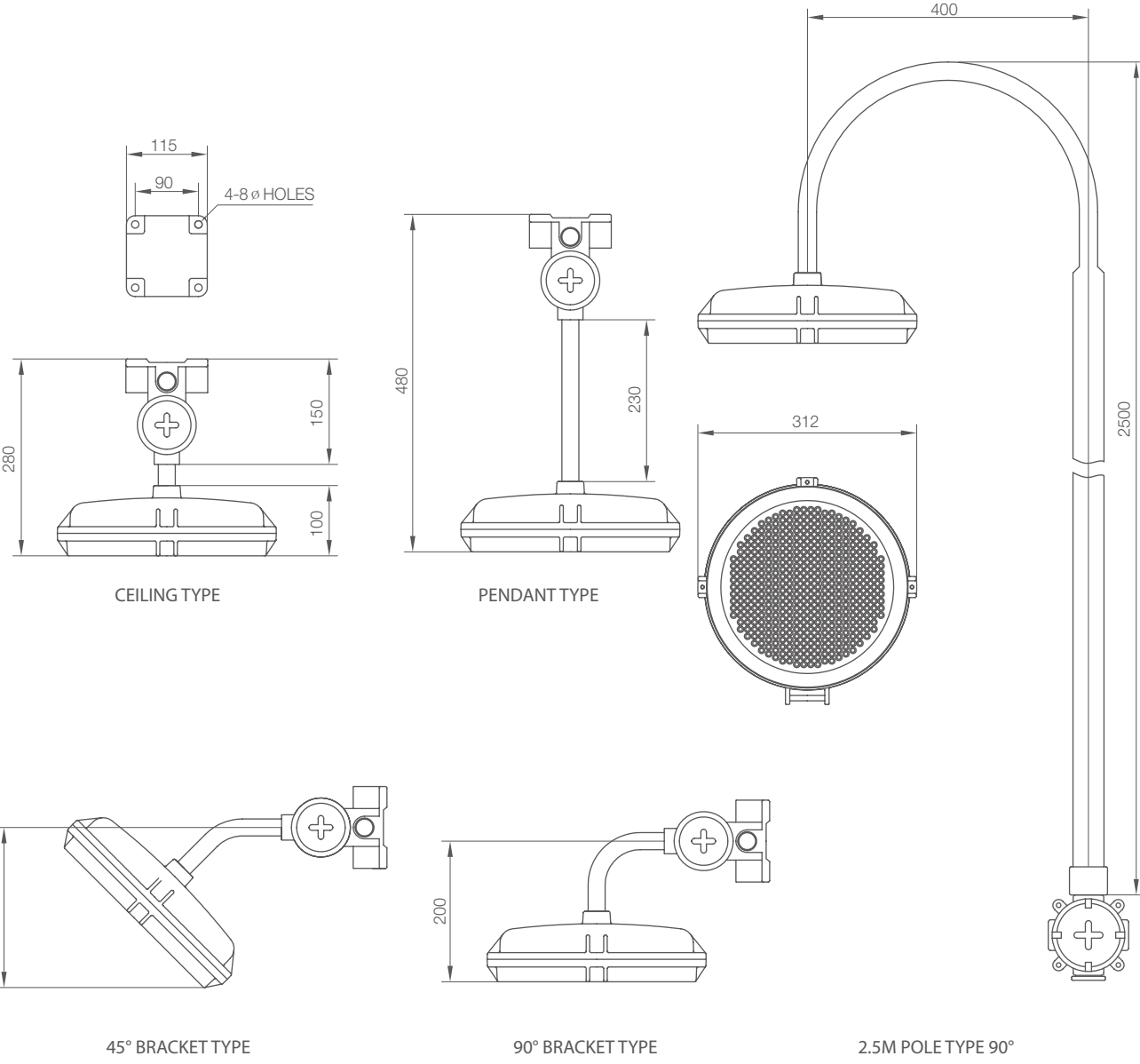


CERTIFICATION



LED Ex tD A21 T100°C IP66 For Zone 2

PRODUCT SPECIFICATION





LED 내압 방폭등

Explosion Proof LED Lighting Fixture (Exd IIB)

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part



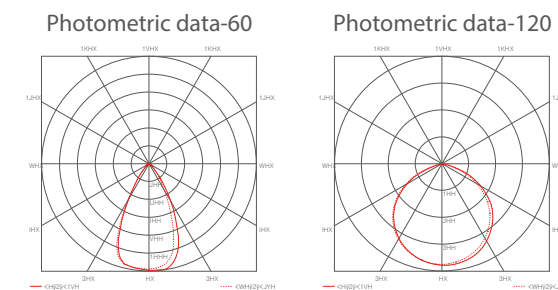
LED Exd IIB+H2 T6 IP66 For Zone1



PRODUCT CONTENTS

Model No.	Exd-IIB T6-L60-120		
Power	30W	45W	60W
Replaced	MH 175W	MH 250W	MH 400W
Energy saving	85%	85%	85%
Luminous Efficiency	150lm/W±10%	150lm/W±10%	157lm/W±10%
Total luminous flux	4,500lm±10%	6,750lm±10%	9,420lm±10%
Type	Built-in, SMPS		
Protection	Exd IIB+H2 T6 IP66		
Ambient Temp	-20~+40℃		
Weight	9.5Kg±5%		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	60°, 120°		
Descriptions	Materials		
Body & Cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
SMPS	Constant Current		
ACC	SUS		

PHOTOMETRIC DATA

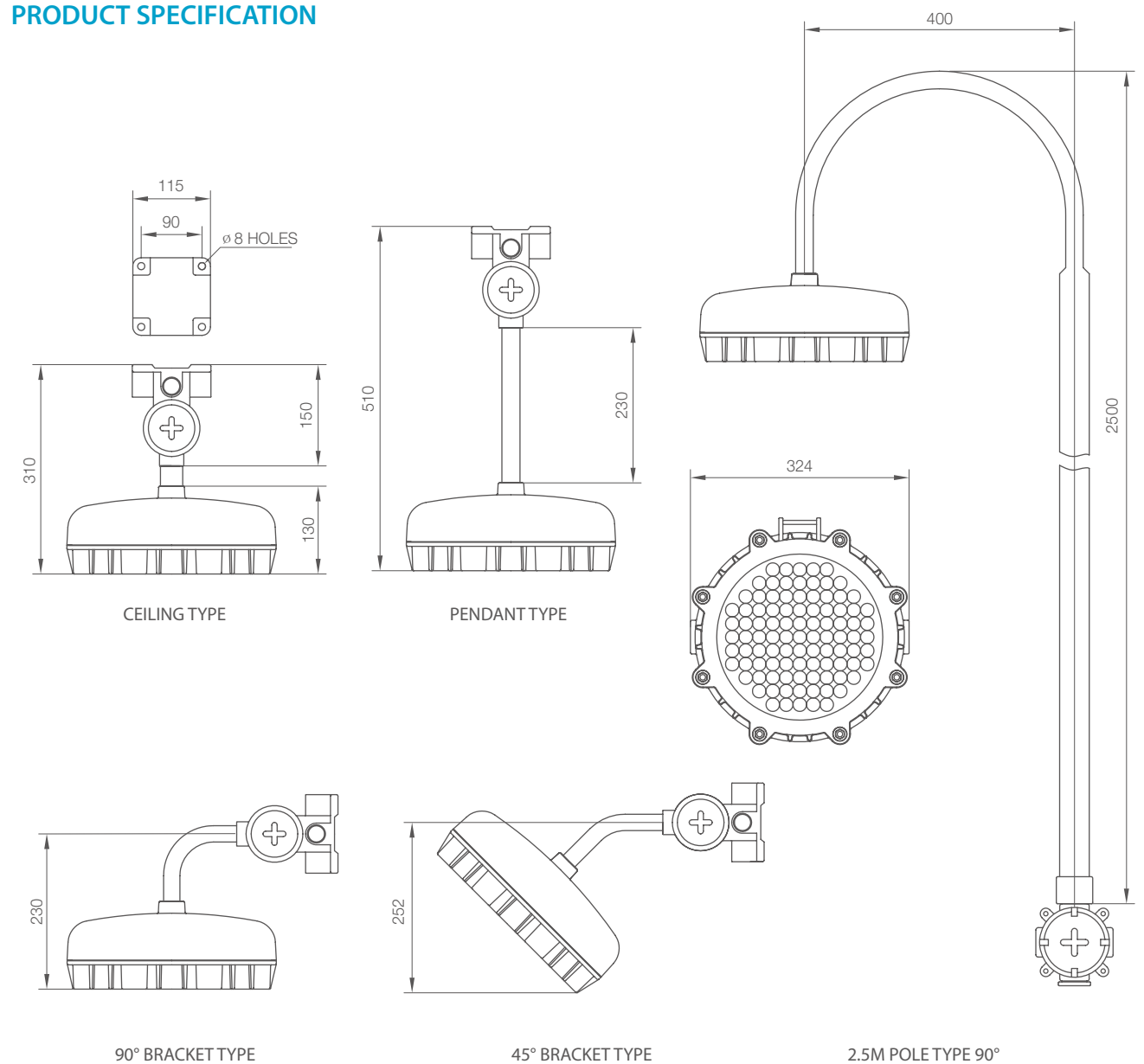


CERTIFICATION



LED Exd IIB+H2 T6 IP66 For Zone1

PRODUCT SPECIFICATION





Explosion Proof LED Lighting Fixture (Exd IIC)

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part

LED 내압 방폭등



LED Exd IIC T6 IP-66 For Zone 1

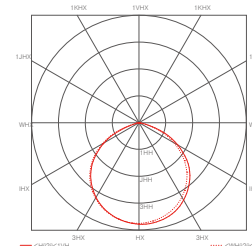


PRODUCT CONTENTS

Model No.	LUNA-Exd-L100		
Power	70W	80W	100W
Replaced	MH 250W	MH 300W	MH 400W
Energy saving	85%	85%	85%
Luminous Efficiency	150lm/W±10%	149lm/W±10%	140lm/W±10%
Total luminous flux	10,500lm±10%	11,920lm±10%	14,000lm±10%
Type	External, SMPS		
Protection	Exd IIC T6 IP66		
Ambient Temp	-20~+40℃		
Weight	6Kg±5%		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	120℃		
Descriptions	Materials		
Body & Cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
SMPS	Constant Current		
ACC	SUS		

PHOTOMETRIC DATA

Photometric data-120

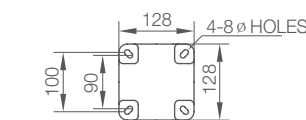


CERTIFICATION

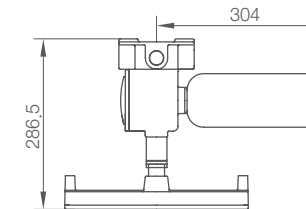


LED Exd IIC T6 IP-66 For Zone 1

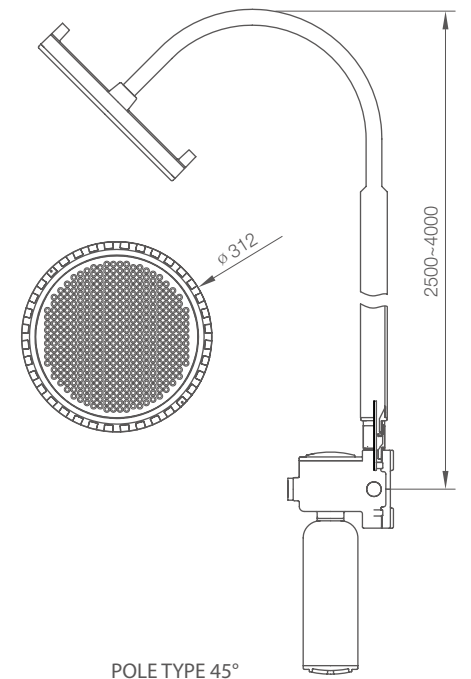
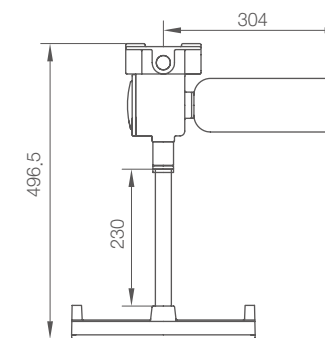
PRODUCT SPECIFICATION



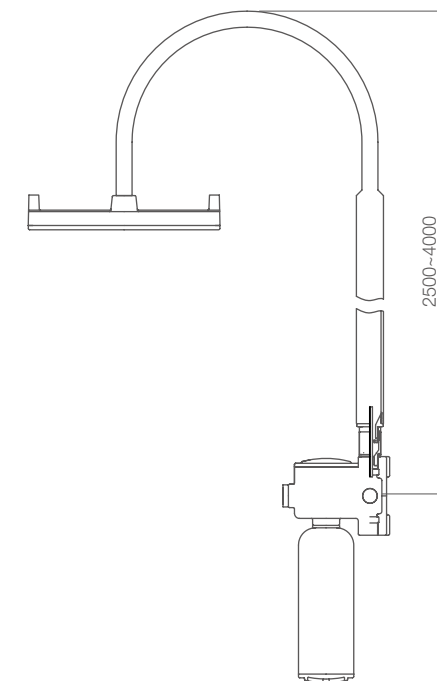
CEILING TYPE



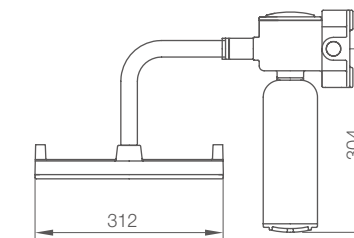
PENDANT TYPE



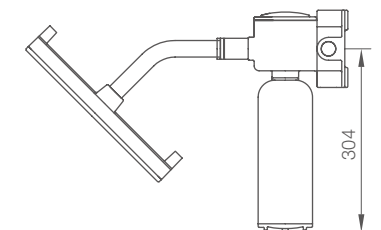
POLE TYPE 45°



2.5M POLE TYPE 90°



90° BRACKET TYPE



45° BRACKET TYPE



Non-Sparking LED Lighting Fixture (Ex nA)

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part

LED 비점화 방폭 투광등

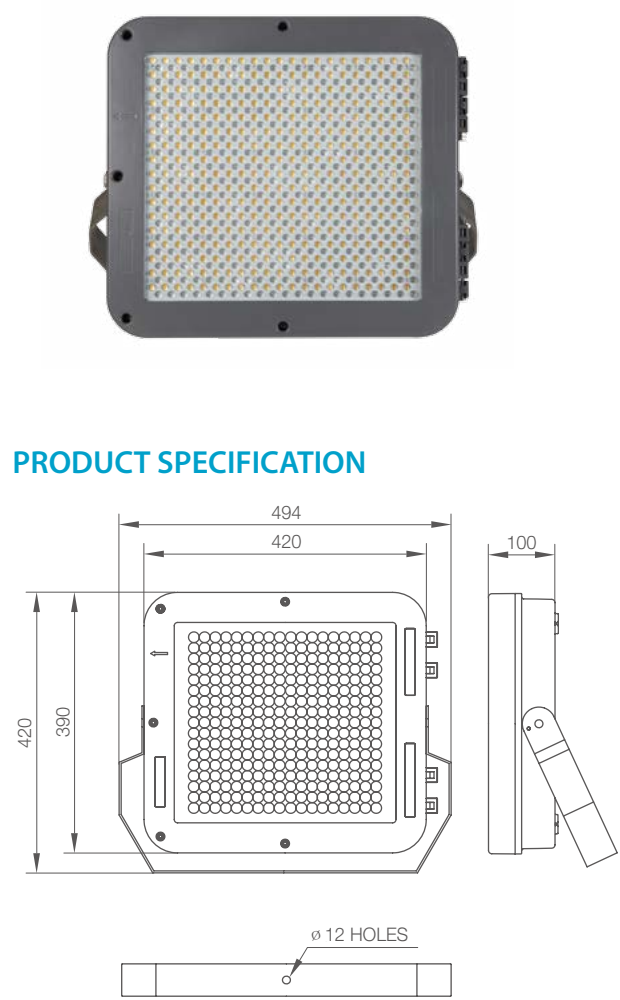


Non-Sparking LED Lighting Fixture (Ex nR Head Only)

- Top rate energy saving
- Excellent luminous efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part

LED 비점화 방폭등

LED Ex nA II T5 IP66 For Zone2(Aurora)

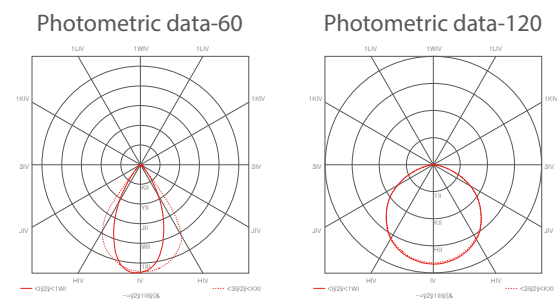


PRODUCT SPECIFICATION

PRODUCT CONTENTS

Model No.	nA-L120
Power	120W
Replaced	MH 400W
Energy saving	85%
Luminous Efficiency	162lm/W±10%
Total luminous flux	19,440lm±10%
Type	Built-in, SMPS
Protection	Ex nA II T5 IP66 For Zone 2
Ambient Temp	-20~+40℃
Weight	8Kg±5%
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Descriptions	Materials
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
SMPS	Constant Current
ACC	SUS

PHOTOMETRIC DATA



CERTIFICATION



LED Ex nR II T5 IP66 For Zone2(Head Only)

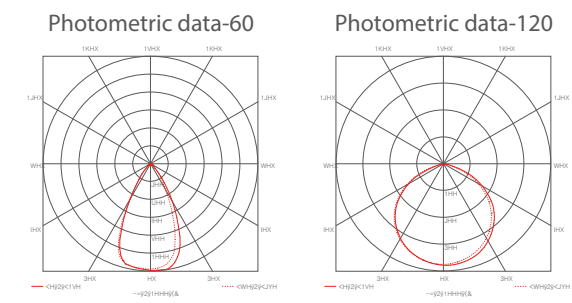


PRODUCT SPECIFICATION

PRODUCT CONTENTS

Model No.	nR-L60-120-H		
Power	30W	45W	60W
Replaced	MH 175W	MH 250W	MH 400W
Energy saving	85%	85%	85%
Luminous Efficiency	150lm/W±10%	150lm/W±10%	157lm/W±10%
Total luminous flux	4,500lm±10%	6,750lm±10%	9,420lm±10%
Type	Built-in, SMPS		
Protection	Ex nR II T5(IP66) For Zone 2		
Ambient Temp	-20~+40℃		
Weight	4Kg±5%		
Warranty	3 Years		
Rated Voltage	AC 100~240V		
Frequency	50HZ ~ 60HZ		
Power factor	MIN, 90%		
CCT	5,000K±10%		
CRI	85±5%		
Beam angle	60°, 120°		
Descriptions	Materials		
Body & Cover	Cast Aluminum Alloy		
Front cover	Heat resistant hard glass		
SMPS	Constant Current		
ACC	SUS		

PHOTOMETRIC DATA



CERTIFICATION



Non-Sparking LED Lighting Fixture (Ex nA)



LED 비점화 방폭 가로등

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part

Flood LED Lighting



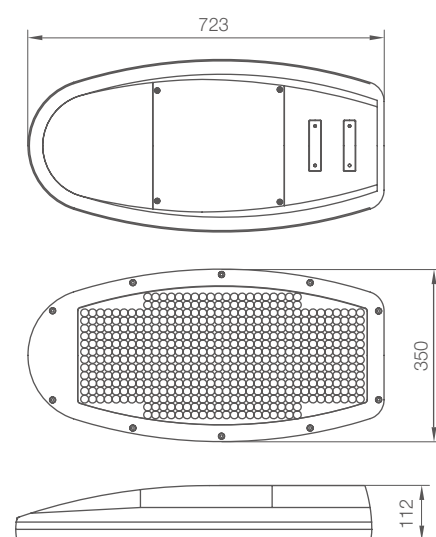
LED 투광등(파이프 타입 / 체인타입)

Top rate energy saving
Excellent luminous efficiency
Consistent color rendering
Light weight
Effortless installation
Quality waterproof part

LED Ex nA II T5 LED Street Lighting (Diana)



PRODUCT SPECIFICATION



PRODUCT CONTENTS

Model No.	APA-nR-L70	APA-nR-L80	APA-nR-L100	APA-nR-L120	APA-nR-L150
Power	70W	80W	100W	120W	150W
Replaced	MH300W	MH400W	MH400W	MH500W	MH700W
Energy saving	85%	85%	85%	85%	85%
Luminous Efficiency	151lm/W ±10%	155lm/W ±10%	163lm/W ±10%	158lm/W ±10%	146lm/W ±10%
Total luminous flux	10,500lm ±10%	12,400lm ±10%	16,300lm ±10%	18,960lm ±10%	21,900lm ±10%

Type	External, SMPS
Protection	IP66
Ambient Temp	-20~+55°C
Weight	9.7kg
Arm size	62Ø
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Beam angle	120°
Body & Cover	Cast Aluminum Alloy
Front cover	Heat resistant hard glass
ACC	SUS

CERTIFICATION



LED Lucia (Pipe Pendant / Chain Pendant Type)

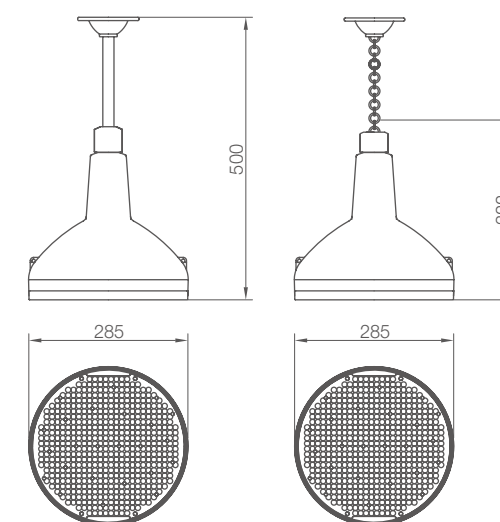


Pipe Pendant Type



Chain Pendant Type

PRODUCT SPECIFICATION



Pipe Pendant Type

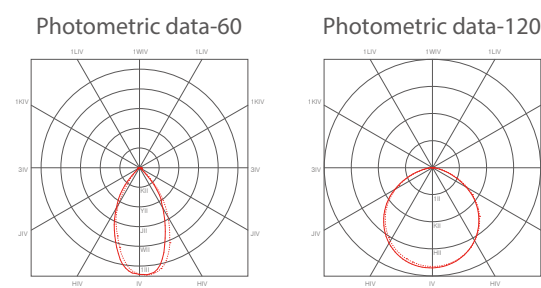
Chain Pendant Type

PRODUCT CONTENTS

Model No.	LUCIA60-1 (LUCIA-FC-L60) LUCIA60-1-C (LUCIA-FC-L60C)	LUCIA90-1 (LUCIA-FC-L90) LUCIA90-1-C (LUCIA-FC-L90C)
Power	60W	90W
Replaced	MH250~400W	MH250~700W
Energy saving	85%	85%
Certificate	KS, High-Efficiency	KS, High-Efficiency
Luminous Efficiency	155lm/W±10%	150lm/W±10%
Total luminous flux	9,300lm±10%	13,500lm±10%
Beam angle	Lens 60D Glass 60D Glass+Lens120D	

Type	Built-in, SMPS
Protection	Dust tight IP65
Ambient Temp	-20~+60°C
Weight	2.5Kg±5%
Warranty	3 Years
Rated Voltage	AC 100~240V
Frequency	50HZ ~ 60HZ
Power factor	MIN, 90%
CCT	5,000K±10%
CRI	85±5%
Body	ENG Plastic
Heat sink	Cast Aluminum Alloy
Front cover	Lens Glass Glass+Lens
SMPS	Constant current
ACC	SUS

PHOTOMETRIC DATA



CERTIFICATION





LED 고천정등(소켓타입)

High Bay LED Lighting

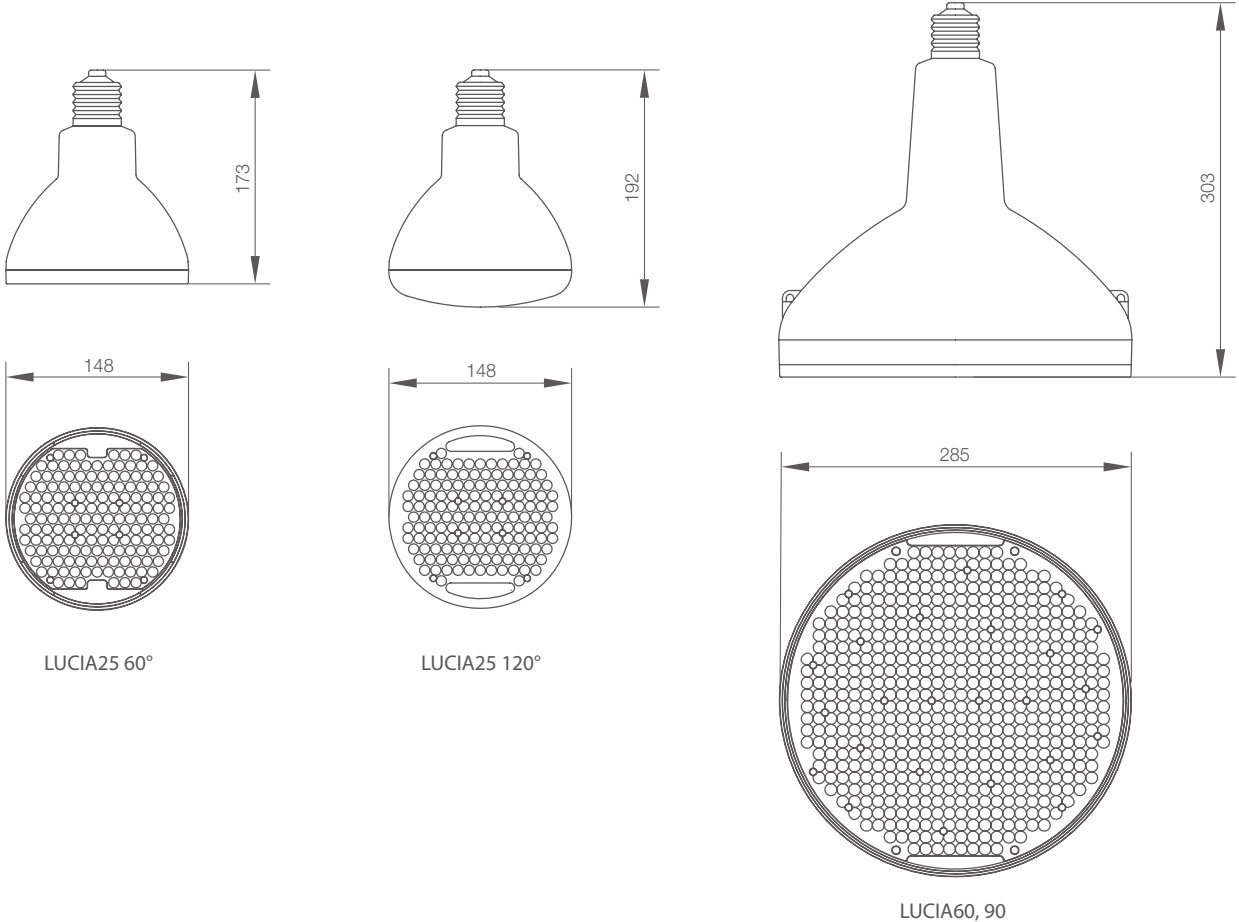
- Top rate energy saving
- Excellent luminaries efficiency
- Consistent color rendering
- Light weight
- Effortless installation
- Quality waterproof part



LED Lucia (Socket Type)

LED Lucia (Socket Type)

PRODUCT SPECIFICATION



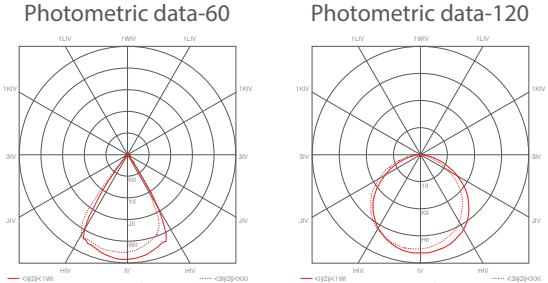
PRODUCT CONTENTS

Model No.	LUCIA25S (LUCIA-SB-L25)	LUCIA60S (LUCIA-SB-L60)		LUCIA90S (LUCIA-SB-L90)
Power	25W	60W		90W
Replaced	MH 120W	MH 250~400W		MH 400~700W
Energy saving	80%	85%		85%
Luminous Efficiency	139lm/W±10%	156lm/W±10%		149lm/W±10%
Total luminous flux	3,475lm±10%	9,360lm±10%		13,410lm±10%
Beam angle	60D, 120D	Lens 60D Glass 60D Glass+Lens120D		
Type	Built-in, SMPS			
Base	E26, E39	E39		
Ambient Temp	-10~+50℃	-10~+40℃		
Weight	400g	2.5Kg±5%		
Warranty	3 Years	3 Years		
Rated Voltage	AC 100~240V	AC 100~240V		
Frequency	50HZ ~ 60HZ	50HZ ~ 60HZ		
Power factor	MIN, 90%	MIN, 90%		
CCT	5,000K±10%	5,000K±10%		
CRI	85±5%	85±5%		
Body	ENG Plastic	ENG Plastic		
Heat sink	Cast Aluminum Alloy	Cast Aluminum Alloy		
Front cover	Polycarbonate	Lens	Glass	Glass+Lens
SMPS	Constant current	Constant current		
ACC	SUS	SUS		

CERTIFICATION



PHOTOMETRIC DATA



Projects

Heyri Artvalley,
Security Lighting 25W
경기도 파주,
헤이리 예술마을 보안등 25W



Ocean Golf, LED Flood
Lighting 400W
경기도 의정부,
오션골프랜드 투광등 400W

Chungcheongnam-do
park, park LED
Lighting 60w
충청남도 공원, 가로등 60w

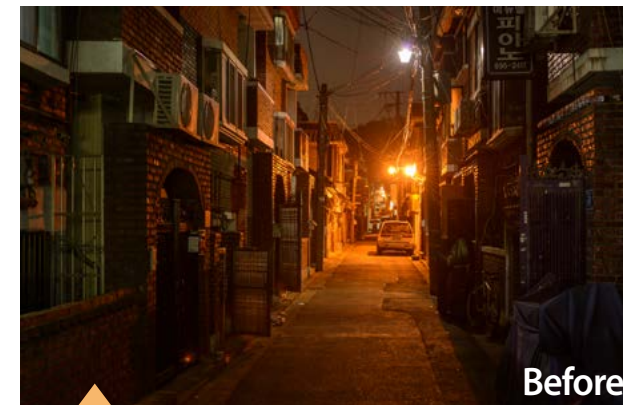


Projects



Gyeongju-si
Oryu go ara beach,
LED Flood Lighting
경주 오류고아라해변, 투광등

Kiturami Boiler,
High Bay
LED Lighting 90W
경상북도 청도군, (주)귀뚜라미



Before



After

Seoul Yang cheon-gu, Security LED Lighting
양천 가로공원로, 보안등 교체

Please kindly note that luminous efficiency of our products are minimum of 140lm per watt up to 167lm per watt as of June 2014.

Renewals for respective certifications are being carried out as of this writing.

Hence, specifications are subject to change.

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