KDG

LED Lighting

2018

KDG LED Lighting

KDG Electronics Co., Ltd.

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A Leader of LED Industry

KDG 전자는 창조적인 사고로 자동차 조명 분야의 기업으로서
도전적인 정신과 자기 개발로 사회에 이익을 돌려주는 기업으로
산업용 LED 조명 분야의 글로벌 리더로 거듭나겠습니다.

KDG Electronics Co., Ltd. promises to become a global corporation in the field of vehicle light with creative thinking and challenging spirit and the company will also become a corporation that returns its profit to society by developing itself into a global leader in the field of industrial LED light.

GREETING

C.E.O 류 병 수

KDG 전자는 항상 고객의 만족을 최우선으로 생각합니다.
우리는 빛을 다루는 최고의 기술로 자동차 램프를 생산하는 회사에서 LED 조명으로 그 분야를 확장하고 있습니다.
우리는 지난 수년간 얻은 소중한 기술, 노하우와 숙련된 인적 자원으로 세계화 도약을 준비 중입니다.
우리는 고객에게 일관된 연구를 통해 만족 높은 품질의 제품을 공급함을 약속 드립니다.
우리 회사에 관심을 가져 주셔서 감사합니다.

KDG Electronics always puts customer satisfaction as our number one priority.
We have grown from a company that produces vehicle lamp to a company with best technology in the field of light by expanding our service to LED field.
We are currently preparing for global take-off with our valuable technology, know-how and skilled human resource obtained in past years.
Our company promises to provide customer satisfaction through Consistent Researches and high product quality.We thank you for your interest in our company.

C.E.O *Ryu Byeong-soo*

Company History

- **2017. 06** Acquisition of TISI Certification in Thailand
- **2016. 08** Acquisition of TAC for vehicles/parts/ assemblies etc. in India
- **2015. 07** Acquisition of CE Certification
- **2015. 06** Awarded The Prime Minister, category of excellent new technology development at the LED & OLED expo 2015
- **2014. 06** Awarded The Minister of MOTIE, category of excellent new technology development at the LED & OLED expo 2014
- **2013. 03** ISO14001, Green Enterprise, Product Certified
- **2013. 05** High-efficiency Certified (Street Lamp, Security Light, Spot Light)
- **2012. 01** Registered in Public Procurement System (LED Street Lamp)
- **2011. 05** Acquisition of KS Certification (LED Street Lamp)
- **2008. 09** SMCT Co., Ltd., KDG Electronics Co., Ltd., M&A
- **2007. 09** Establishment of R&D Center
- **2007. 06** Registered as SL Partner
- **2007. 04** HKMC SQ Certified (Surface Treatment)
- **2005. 11** Establishment of SMCT Co., Ltd.
- **2004. 03** Development and Production of Renault Samsung H.M.S.L
- **2003. 03** HKMC SQ Certified (Electric, electronics)
- **1999. 11** Development and Production of Hyundai Motors H.M.S.LAMP
- **1998. 12** Acquisition of ECE and FMVSS Certification
- **1998. 08** Establishment of KDG Electronics Co., Ltd.

Production Line

SMCT | KDG Electronics | R&D Center

We were able to build strong reliability with our customers through transparent and sincere management system

01 Production and Quality Conference

02 Injection Molding

03 AL Deposition

04 UV Coating

05 Parts Assembling

06 Complete Products Assembling

07 Shipment Check

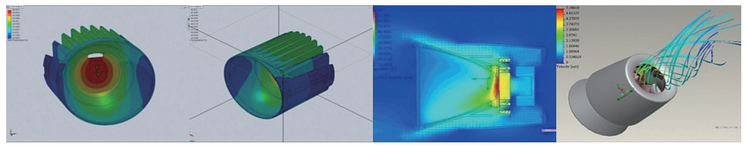
R&D

We Provide advanced engineering services.

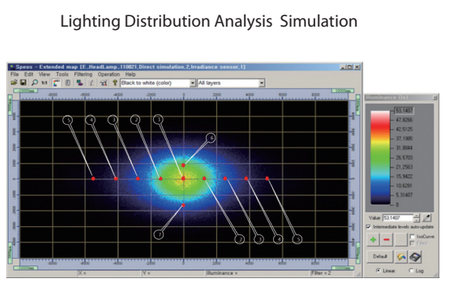
CFD(Computational Fluid Dynamics) analysis can be a great way to help design a good cooled Luminaires.

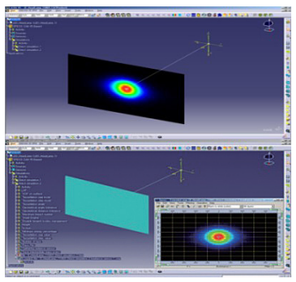
Analysis with CFD can further optimize the design.

i.e. optimization of fin thickness and fin spacing



Lighting Distribution Analysis Simulation

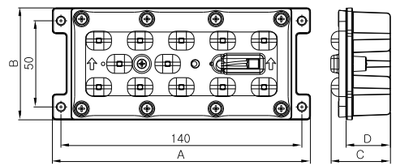




KDG LED Lighting

LED Street Light Module

[20W, 25W]



A(mm)	B (mm)	C (mm)	D (mm)	Weight [Kg]
150	60	34.5	25.8	0.23

Application

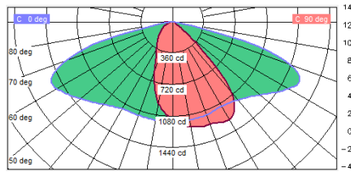
- ✓ For Street Lighting, Security Lighting
- ✓ Using Combination 40W~200W
- ✓ Seoul, Kwangju City, Korea Highway Corporation, Standard Model

- ✓ 가로등, 보안등 전용
- ✓ 40W ~ 200W Array 사용
- ✓ 서울시, 도로공사, 광주시 표준모델

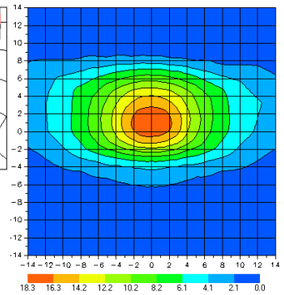
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [8m]



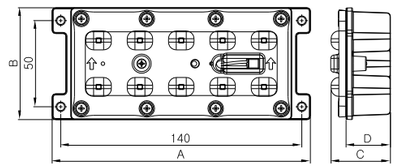
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT Current	Remark
KDG SM 02504 50	5,000	75	3,250	130	145	25	700mA	IP67
KDG SM 02004 50	5,000	75	2,600	130	145	20	700mA	IP67
KDG SM 02507 50	5,000	70	3,500	140	145	25	700mA	IP67
KDG SM 02007 50	5,000	70	2,600	130	145	20	700mA	IP67
KDG SM 02507 40	4,000	70	3,250	130	145	25	700mA	IP67
KDG SM 02007 40	4,000	70	2,500	125	145	20	700mA	IP67

KDG LED Lighting

LED Tunnel Light Module

[20W]



A(mm)	B (mm)	C (mm)	D (mm)	Weight [Kg]
150	60	34.5	25.8	0.23

Application

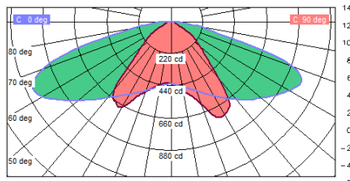
- ✓ For Tunnel Lighting
- ✓ Using Combination 75W~200W
- ✓ Seoul, Kwangju City, Korea Highway Corporation, Standard Model

- ✓ 터널등 전용
- ✓ 75W ~ 200W Array 사용
- ✓ 서울시, 도로공사, 광주시 표준모델

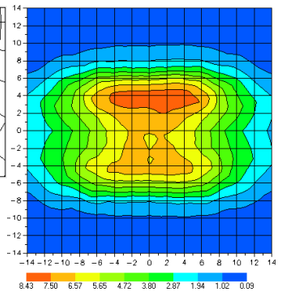
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [8m]



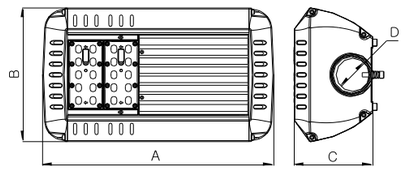
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT Current	Remark
KDG TM 02504 50	5,000	75	3,250	130	145	25	700mA	IP67
KDG TM 02004 50	5,000	75	2,600	130	145	20	700mA	IP67
KDG TM 02507 50	5,000	70	3,500	140	145	25	700mA	IP67
KDG TM 02007 50	5,000	70	2,600	130	145	20	700mA	IP67
KDG TM 02507 40	4,000	70	3,250	130	145	25	700mA	IP67
KDG TM 02007 40	4,000	70	2,500	125	145	20	700mA	IP67

KDG LED Lighting

LED Security Light Module Type 보안등

[40W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
432	250	147	62 / 43.5	5

Application

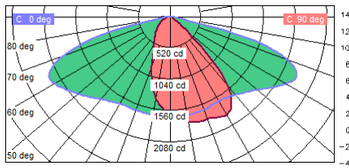
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 150W sodium vapor lamp
- ✓ For 6~8M security lighting

- ✓ SMPS 내/외장형
- ✓ 150W 수은등, 고압나트륨등 대체
- ✓ 6~8M 보안등용 폴 적용

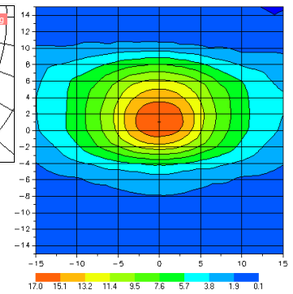
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



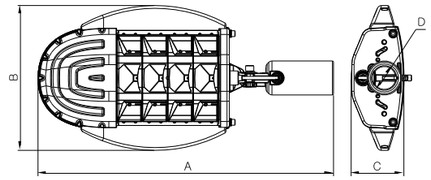
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 04004 50	5,000	75	5,000	125	145	40	220	IP66
KDG SL 04004 40	4,000	75	4,800	120	145	40	220	IP66
KDG SL 04007 50	5,000	70	5,000	125	145	40	176~305	IP66
KDG SL 04007 40	4,000	70	4,800	120	145	40	176~305	IP66
KDG SL 04007 30	3,000	70	4,400	110	145	40	176~305	IP66

KDG LED Lighting

LED Security Light 보안등

[40W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
643	320	117	62 / 43.5	6

Application

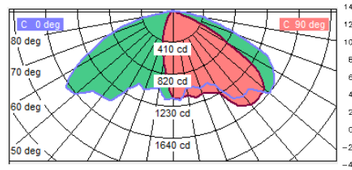
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 150W sodium vapor lamp
- ✓ For 6~8M security lighting

- ✓ SMPS 내/외장형
- ✓ 150W 수은등, 고압나트륨등 대체
- ✓ 6~8M 보안등용 폴 적용

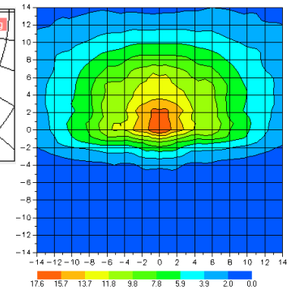
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



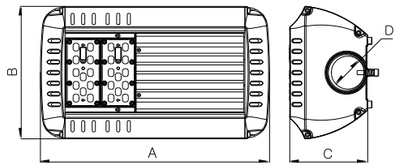
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 04003 50	5,000	75	4,400	110	135	40	220	IP66
KDG SL 04003 40	4,000	75	4,200	105	135	40	220	IP66
KDG SL 04005 50	5,000	70	4,600	115	135	40	176~305	IP66
KDG SL 04005 40	4,000	70	4,400	110	135	40	176~305	IP66
KDG SL 04005 30	3,000	70	4,000	100	135	40	176~305	IP66

KDG LED Lighting

LED Security Light Module Type 보안등

[55W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
432	250	147	62 / 43.5	5

Application

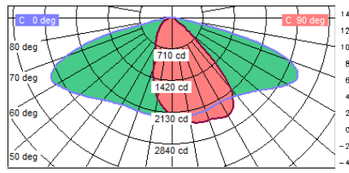
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 150W sodium vapor lamp
- ✓ For 6~8M security lighting

- ✓ SMPS 내/외장형
- ✓ 150W 수은등, 고압나트륨등 대체
- ✓ 6~8M 보안등용 폴 적용

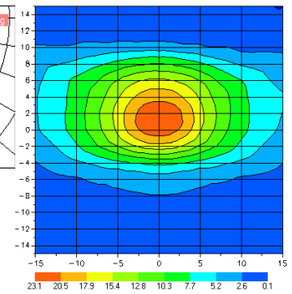
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



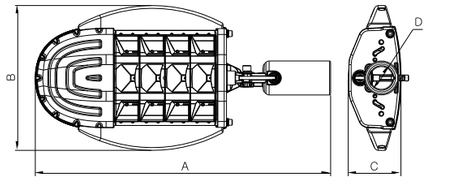
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 05504 50	5,000	75	6,875	125	145	55	220	IP66
KDG SL 05504 40	4,000	75	6,600	120	145	55	220	IP66
KDG SL 05507 50	5,000	70	6,875	125	145	55	176~305	IP66
KDG SL 05507 40	4,000	70	6,600	120	145	55	176~305	IP66
KDG SL 05507 30	3,000	70	6,050	110	145	55	176~305	IP66

KDG LED Lighting

LED Security Light 보안등

[50W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
643	320	117	62 / 43.5	6

Application

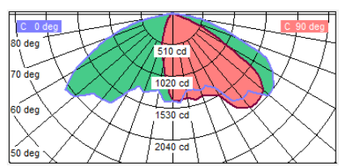
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 150W sodium vapor lamp
- ✓ For 6~8M security lighting

- ✓ SMPS 내/외장형
- ✓ 150W 수은등, 고압나트륨등 대체
- ✓ 6~8M 보안등용 폴 적용

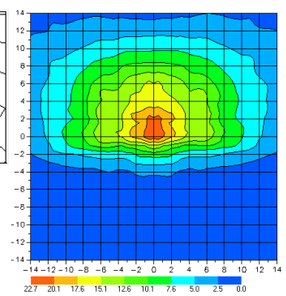
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



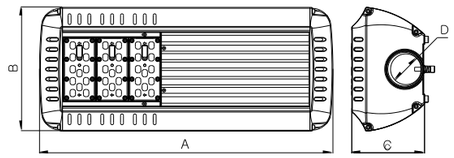
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 05003 50	5,000	75	5,500	110	135	50	220	IP66
KDG SL 05003 40	4,000	75	5,250	105	135	50	220	IP66
KDG SL 05005 50	5,000	70	5,750	115	135	50	176~305	IP66
KDG SL 05005 40	4,000	70	5,500	110	135	50	176~305	IP66
KDG SL 05005 30	3,000	70	5,000	100	135	50	176~305	IP66

KDG LED Lighting

LED Security Light Module Type 보안등

[75W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
593	250	147	62 / 43.5	6.5

Application

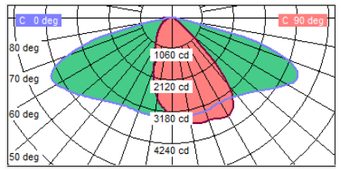
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 250W sodium vapor lamp
- ✓ For 6~8M security lighting

- ✓ SMPS 내/외장형
- ✓ 250W 수은등, 고압나트륨등 대체
- ✓ 6~8M 보안등용 폴 적용

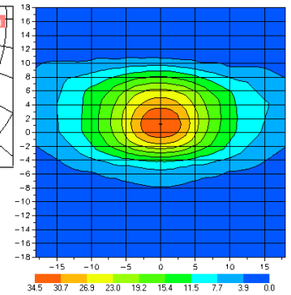
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



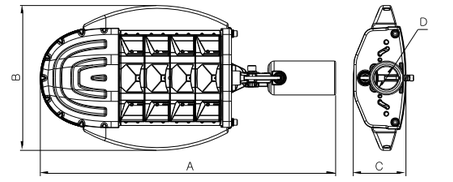
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 07504 50	5,000	75	9,375	125	145	75	220	IP66
KDG SL 07504 40	4,000	75	9,000	120	145	75	220	IP66
KDG SL 07507 50	5,000	70	9,375	125	145	75	176~305	IP66
KDG SL 07507 40	4,000	70	9,000	120	145	75	176~305	IP66
KDG SL 07507 30	3,000	70	8,250	110	145	75	176~305	IP66

KDG LED Lighting

LED Security Light 가로등

[60W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
643	320	117	62 / 43.5	6

Application

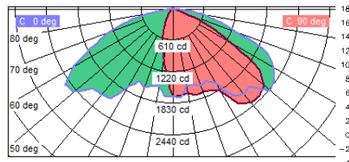
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 150W sodium vapor lamp
- ✓ For 6~8M security lighting

- ✓ SMPS 내/외장형
- ✓ 150W 수은등, 고압나트륨등 대체
- ✓ 6~8M 보안등용 폴 적용

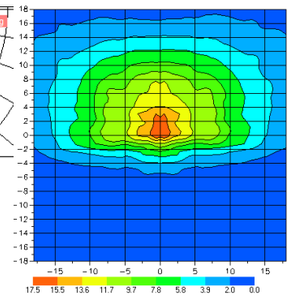
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



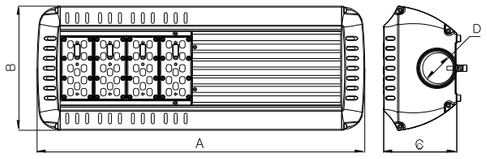
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 06003 50	5,000	75	6,600	110	135	60	220	IP66
KDG SL 06003 40	4,000	75	6,300	105	135	60	220	IP66
KDG SL 06005 50	5,000	70	6,900	115	135	60	176~305	IP66
KDG SL 06005 40	4,000	70	6,600	110	135	60	176~305	IP66
KDG SL 06005 30	3,000	70	6,000	100	135	60	176~305	IP66

KDG LED Lighting

LED Street Light Module Type 가로등

[110W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
659	250	147	62 / 43.5	7

Application

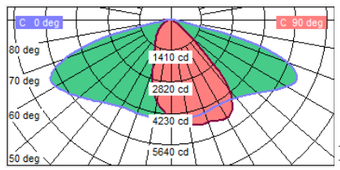
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 250W sodium vapor lamp
- ✓ For 8~10M Street lighting

- ✓ SMPS 내/외장형
- ✓ 250W 수은등, 고압나트륨등 대체
- ✓ 8~10M 가로등용 폴 적용

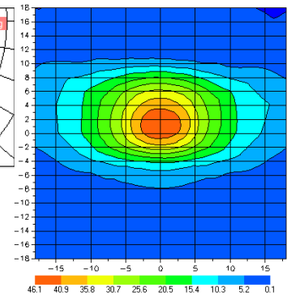
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



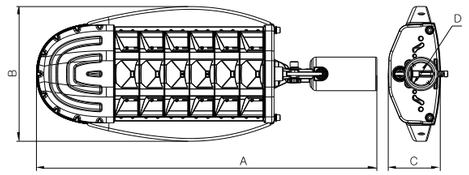
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 11004 50	5,000	75	13,750	125	145	110	220	IP66
KDG SL 11004 40	4,000	75	13,200	120	145	110	220	IP66
KDG SL 11007 50	5,000	70	13,750	125	145	110	176~305	IP66
KDG SL 11007 40	4,000	70	13,200	120	145	110	176~305	IP66
KDG SL 11007 30	3,000	70	12,100	110	145	110	176~305	IP66

KDG LED Lighting

LED Street Light 가로등

[120W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
761	300	117	62 / 43.5	7.2

Application

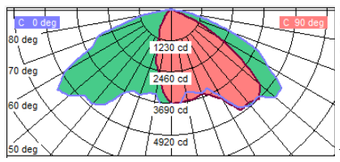
- ✓ External SMPS type
- ✓ For replacement of existing 250W sodium vapor lamp
- ✓ For 8~10M Street lighting

- ✓ SMPS 내/외장형
- ✓ 250W 수은등, 고압나트륨등 대체
- ✓ 8~10M 가로등용 폴 적용

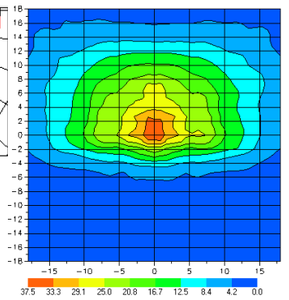
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



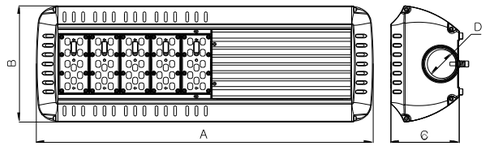
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 12003 50	5,000	75	13.200	110	135	120	220	IP66
KDG SL 12003 40	4,000	75	12,600	105	135	120	220	IP66
KDG SL 12005 50	5,000	70	13,800	115	135	120	176~305	IP66
KDG SL 12005 40	4,000	70	13,200	110	135	120	176~305	IP66
KDG SL 12005 30	3,000	70	12,000	100	135	120	176~305	IP66

KDG LED Lighting

LED Street Light Module Type 가로등

[135W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
761	300	117	62 / 43.5	8.5

Application

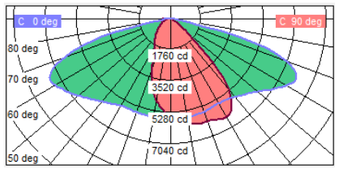
- ✓ External SMPS type
- ✓ For replacement of existing 250W~400W sodium vapor lamp
- ✓ For 10~12M Street lighting

- ✓ SMPS 내/외장형
- ✓ 250W~400W 수은등, 고압나트륨등 대체
- ✓10~12M 가로등용 폴 적용

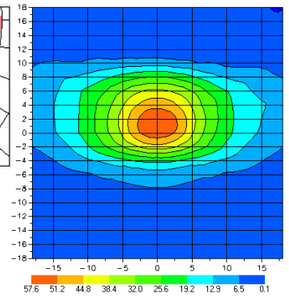
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



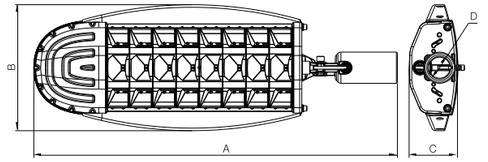
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 13504 50	5,000	75	16,875	125	145	135	220	IP66
KDG SL 13504 40	4,000	75	16,200	120	145	135	220	IP66
KDG SL 13507 50	5,000	70	16,875	125	145	135	176~305	IP66
KDG SL 13507 40	4,000	70	16,200	120	145	135	176~305	IP66
KDG SL 13507 30	3,000	70	14,850	110	145	135	176~305	IP66

KDG LED Lighting

LED Street Light 가로등

[150W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
875	300	117	62 / 43.5	8.5

Application

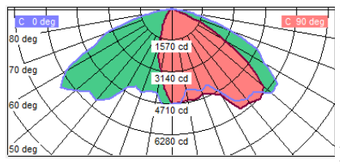
- ✓ External SMPS type
- ✓ For replacement of existing 400W sodium vapor lamp
- ✓ For 10~12M Street lighting

- ✓ SMPS 외장형
- ✓ 400W 수은등, 고압나트륨등 대체
- ✓ 10~12M 가로등용 폴 적용

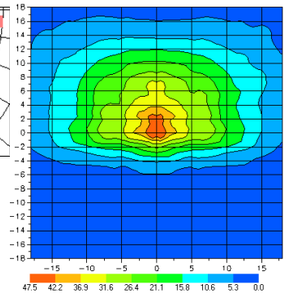
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



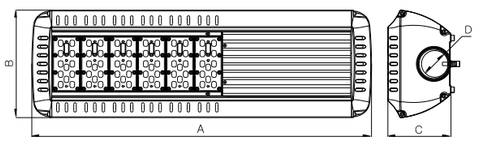
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 15003 50	5,000	75	16,500	110	135	150	220	IP66
KDG SL 15003 40	4,000	75	15,750	105	135	150	220	IP66
KDG SL 15005 50	5,000	70	17,250	115	135	150	176~305	IP66
KDG SL 15005 40	4,000	70	16,500	110	135	150	176~305	IP66
KDG SL 15005 30	3,000	70	15,000	100	135	150	176~305	IP66

KDG LED Lighting

LED Street Light Module Type 가로등

[165W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
791	250	147	62 / 43.5	9

Application

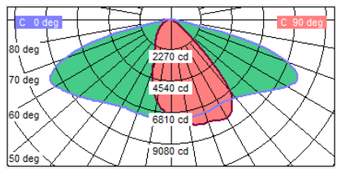
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 400W sodium vapor lamp
- ✓ For 10~12M Street lighting

- ✓ SMPS 내/외장형
- ✓ 400W 수은등, 고압나트륨등 대체
- ✓ 10~12M 가로등용 폴 적용

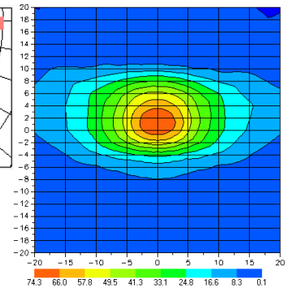
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



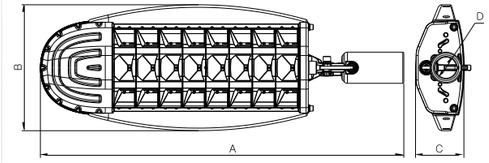
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 16504 50	5,000	75	20,625	125	145	165	220	IP66
KDG SL 16504 40	4,000	75	19,800	120	145	165	220	IP66
KDG SL 16507 50	5,000	70	20,625	125	145	165	176~305	IP66
KDG SL 16507 40	4,000	70	19,800	120	145	165	176~305	IP66
KDG SL 16507 30	3,000	70	18,150	110	145	165	176~305	IP66

KDG LED Lighting

LED Street Light 가로등

[180W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
875	300	117	62 / 43.5	9

Application

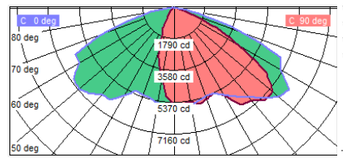
- ✓ External SMPS type
- ✓ For replacement of existing 400W sodium vapor lamp
- ✓ For 10~12M Street lighting

- ✓ SMPS 외장형
- ✓ 400W 수은등, 고압나트륨등 대체
- ✓ 10~12M 가로등용 폴 적용

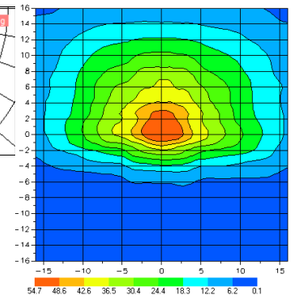
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



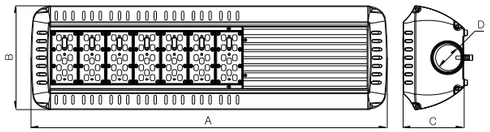
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 18003 50	5,000	75	19,800	110	135	180	220	IP66
KDG SL 18003 40	4,000	75	18,900	105	135	180	220	IP66
KDG SL 18005 50	5,000	70	20,700	115	135	180	176~305	IP66
KDG SL 18005 40	4,000	70	19,800	110	135	180	176~305	IP66
KDG SL 18005 30	3,000	70	18,000	100	135	180	176~305	IP66

KDG LED Lighting

LED Street Light Module Type 가로등

[190W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
857	250	147	62 / 43.5	9.5

Application

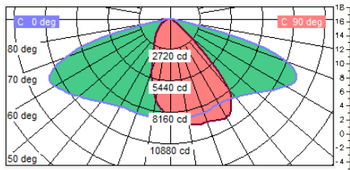
- ✓ Internal / External SMPS type
- ✓ For replacement of existing 400W sodium vapor lamp
- ✓ For 10~12M Street lighting

- ✓ SMPS 내/외장형
- ✓ 400W 수은등, 고압나트륨등 대체
- ✓ 10~12M 가로등용 폴 적용

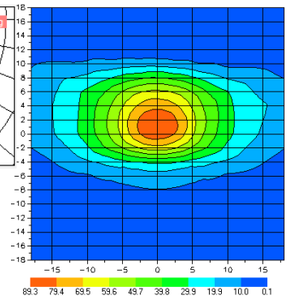
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



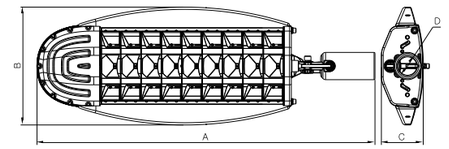
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 19004 50	5,000	75	23,750	125	145	190	220	IP66
KDG SL 19004 40	4,000	75	22,800	120	145	190	220	IP66
KDG SL 19007 50	5,000	70	23,750	125	145	190	176~305	IP66
KDG SL 19007 40	4,000	70	22,800	120	145	190	176~305	IP66
KDG SL 19007 30	3,000	70	20,900	110	145	190	176~305	IP66

KDG LED Lighting

LED Street Light 가로등

[200W]



A(mm)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
929	324	115	62 / 43.5	9.5

Application

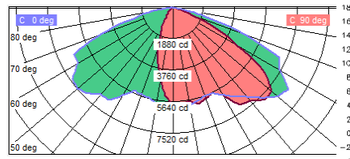
- ✓ External SMPS type
- ✓ For replacement of existing 400W sodium vapor lamp
- ✓ For 12M Street lighting

- ✓ SMPS 외장형
- ✓ 400W 수은등, 고압나트륨등 대체
- ✓ 12M 가로등용 폴 적용

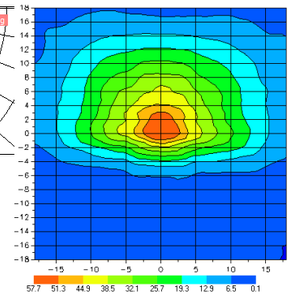
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [10m]



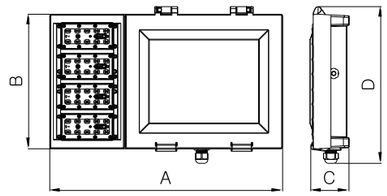
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG SL 20003 50	5,000	75	22,000	110	135	200	220	IP66
KDG SL 20003 40	4,000	75	21,000	105	135	200	220	IP66
KDG SL 20005 50	5,000	70	23,000	115	135	200	176~305	IP66
KDG SL 20005 40	4,000	70	22,000	110	135	200	176~305	IP66
KDG SL 20005 30	3,000	70	20,000	100	135	200	176~305	IP66

KDG LED Lighting

LED Tunnel Light 터널등

[100W]



A(mm)	B (mm)	C (mm)	D(mm)	Weight [Kg]
580	335	95	390	8

Application

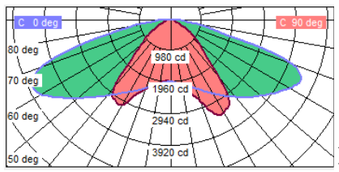
- ✓ Internal SMPS type
- ✓ For replacement of existing 150W sodium vapor lamp
- ✓ For Tunnel lighting

- ✓ SMPS 내장형
- ✓ 250W 수은등, 고압나트륨등 대체
- ✓ 터널등용

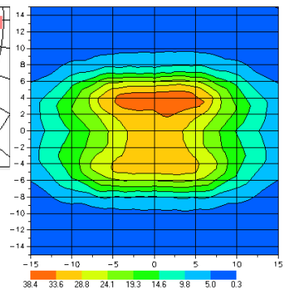
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [8m]



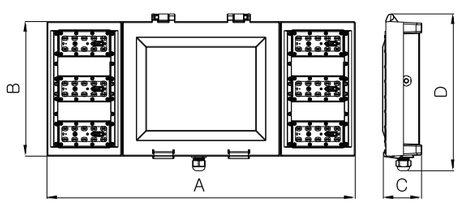
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG TL 10004 50	5,000	75	12,500	125	150	100	220	IP66
KDG TL 10004 40	4,000	75	12,000	120	150	100	220	IP66
KDG TL 10007 50	5,000	70	12,500	125	150	100	176~305	IP66
KDG TL 10007 40	4,000	70	12,000	120	150	100	176~305	IP66
KDG TL 10007 30	3,000	70	11,000	110	150	100	176~305	IP66

KDG LED Lighting

LED Tunnel Light 터널등

[150W]



A(mm)	B (mm)	C (mm)	D (mm)	Weight [Kg]
768	335	95	390	9.5

Application

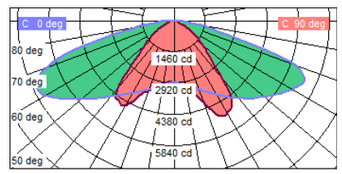
- ✓ Internal SMPS type
- ✓ For replacement of existing 400W sodium vapor lamp
- ✓ For Tunnel lighting

- ✓ SMPS 내장형
- ✓ 400W 수은등, 고압나트륨등 대체
- ✓ 터널등용

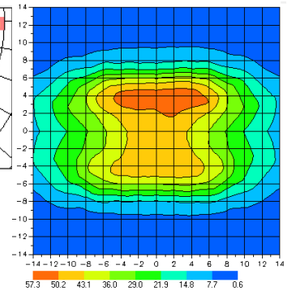
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [8m]



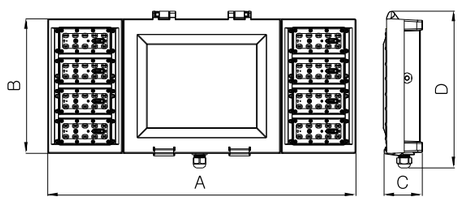
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG TL 15004 50	5,000	75	18,750	125	150	150	220	IP66
KDG TL 15004 40	4,000	75	18,000	120	150	150	220	IP66
KDG TL 15007 50	5,000	70	18,750	125	150	150	176~305	IP66
KDG TL 15007 40	4,000	70	18,000	120	150	150	176~305	IP66
KDG TL 15007 30	3,000	70	16,500	110	150	150	176~305	IP66

KDG LED Lighting

LED Tunnel Light 터널등

[200W]



A(mm)	B (mm)	C (mm)	D(mm)	Weight [Kg]
768	335	95	390	9.5

Application

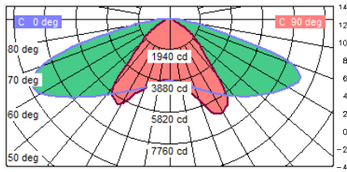
- ✓ Internal SMPS type
- ✓ For replacement of existing 400W sodium vapor lamp
- ✓ For Tunnel lighting

- ✓ SMPS 내장형
- ✓ 400W 수은등, 고압나트륨등 대체
- ✓ 터널등용

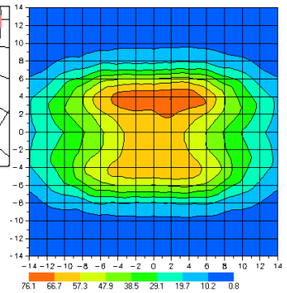
Illumination

Luminance Intensity Distribution

ISO Cd Curve



ISO Lux Curve [8m]



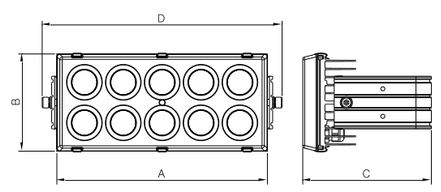
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG TL 20004 50	5,000	75	25,000	125	150	200	220	IP66
KDG TL 20004 40	4,000	75	24,000	120	150	200	220	IP66
KDG TL 20007 50	5,000	70	25,000	125	150	200	176~305	IP66
KDG TL 20007 40	4,000	70	24,000	120	150	200	176~305	IP66
KDG TL 20007 30	3,000	70	22,000	110	150	200	176~305	IP66

KDG LED Lighting

LED Flood Light 투광등

[75W]



A(mm)	B (mm)	C (mm)	D (mm)	Weight [Kg]
260	120	160	296	3

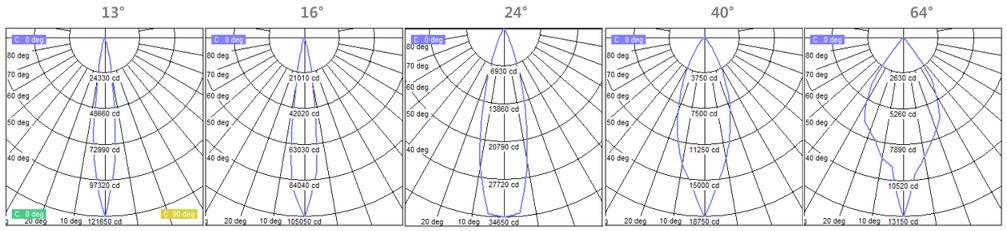
Application

- ✓ External SMPS type
- ✓ For replacement of existing 100W~250W Metal halide lamp
- ✓ For Lighting Gymnasium, Factory, Etc.

Illumination

Luminance Intensity Distribution [KDG FL 07504 50]

ISO Cd Curve



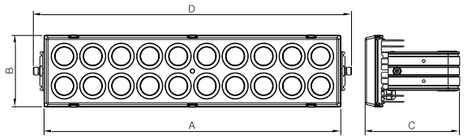
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG FL 07504 50	5,000	75	8,250	110	13,16, 24,40,64	75	220	IP66
KDG FL 07504 40	4,000	75	7,875	105	13,16, 24,40,64	75	220	IP66
KDG FL 07507 50	5,000	70	8,625	115	13,16, 24,40,64	75	176~305	IP66
KDG FL 07507 40	4,000	70	7,875	105	13,16, 24,40,64	75	176~305	IP66
KDG FL 07507 30	3,000	70	7,500	100	13,16, 24,40,64	75	176~305	IP66

KDG LED Lighting

LED Flood Light 투광등

[150W]



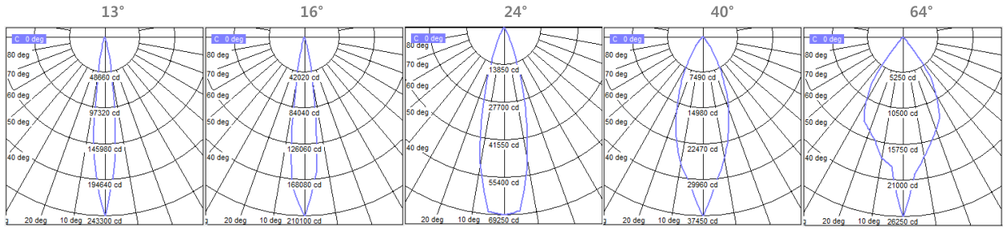
A(mm)	B (mm)	C (mm)	D (mm)	Weight [Kg]
500	120	160	536	5.5

Application

- ✓ External SMPS type
- ✓ For replacement of existing 400W Metal halide lamp
- ✓ For Lighting Factory, Tower Crane, Etc.

Illumination

Luminance Intensity Distribution [KDG FL 15004 50]
ISO Cd Curve



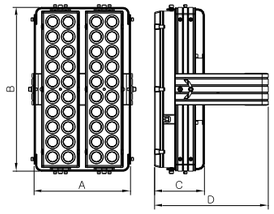
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG FL 15004 50	5,000	75	17,250	115	13,16,24,40,64	150	220	IP66
KDG FL 15004 40	4,000	75	16,500	110	13,16,24,40,64	150	220	IP66
KDG FL 15007 50	5,000	70	18,750	125	13,16,24,40,64	150	176~305	IP66
KDG FL 15007 40	4,000	70	17,250	115	13,16,24,40,64	150	176~305	IP66
KDG FL 15007 30	3,000	70	15,750	105	13,16,24,40,64	150	176~305	IP66

KDG LED Lighting

LED Flood Light 투광등

[300W]



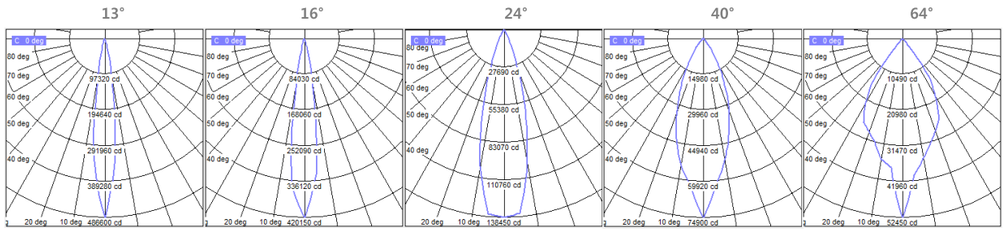
A(mm)	B (mm)	C (mm)	D (mm)	Weight [Kg]
310	520	160	360	12.4

Application

- ✓ External SMPS type
- ✓ For replacement of existing 1000W Metal halide lamp
- ✓ For Lighting Playground, Tower Crane, Etc.

Illumination

Luminance Intensity Distribution [KDG FL 30004 50]
ISO Cd Curve



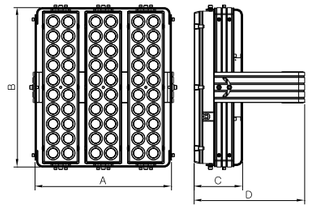
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG FL 30004 50	5,000	75	34,500	115	13,16,24,40,64	300	220	IP66
KDG FL 30004 40	4,000	75	33,000	110	13,16,24,40,64	300	220	IP66
KDG FL 30007 50	5,000	70	37,500	125	13,16,24,40,64	300	176~305	IP66
KDG FL 30007 40	4,000	70	34,500	115	13,16,24,40,64	300	176~305	IP66
KDG FL 30007 30	3,000	70	31,500	105	13,16,24,40,64	300	176~305	IP66

KDG LED Lighting

LED Flood Light 투광등

[450W]



A(mm)	B (mm)	C (mm)	D (mm)	Weight [Kg]
450	520	160	360	20

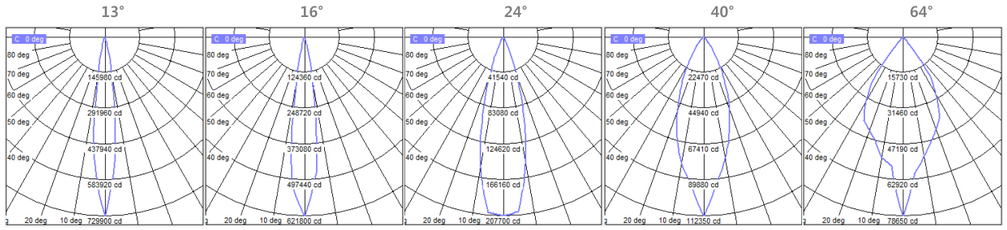
Application

- ✓ External SMPS type
- ✓ For replacement of existing 1000W Metal halide lamp
- ✓ For Lighting Stadium, Tower Crane, Etc.

Illumination

Luminance Intensity Distribution [KDG FL 45004 50]

ISO Cd Curve



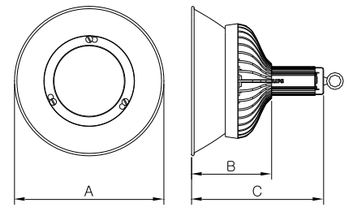
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG FL 45004 50	5,000	75	51,750	115	13,16,24,40,64	450	220	IP66
KDG FL 45004 40	4,000	75	49,500	110	13,16,24,40,64	450	220	IP66
KDG FL 45007 50	5,000	70	56,250	125	13,16,24,40,64	450	176~305	IP66
KDG FL 15007 40	4,000	70	51,750	115	13,16,24,40,64	450	176~305	IP66
KDG FL 45007 30	3,000	70	47,250	105	13,16,24,40,64	450	176~305	IP66

KDG LED Lighting

LED High Bay Light 공장등 [Phillips]

[110W, 150W]



A(Ø)	B (mm)	C (mm)	D (mm)	Weight [Kg]
355	190	340	-	3.5

Application

- ✓ External SMPS type
- ✓ For replacement of existing 250W~400W Metal halide lamp
- ✓ For Factory Lighting

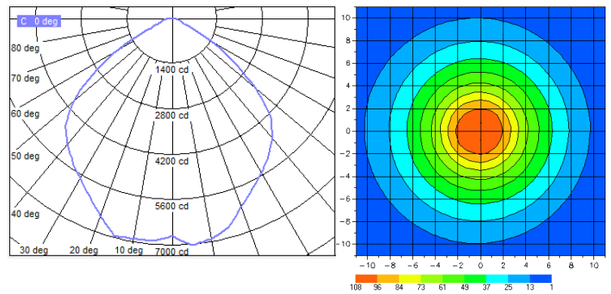
- ✓ SMPS 외장형
- ✓ 400W 메탈할라이드 대체
- ✓ 공장 조명

Illumination

Luminance Intensity Distribution [KDG PL 15004 90]

ISO Cd Curve

ISO Lux Curve [8m]



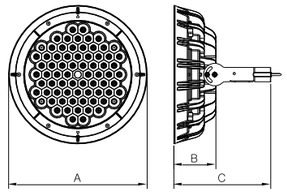
Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG PL 11004 90	5,000	80	15,400	140	90	110	220	IP65
KDG PL 11004 50	5,000	80	15,400	140	50	110	220	IP65
KDG PL 15004 90	5,000	80	21,000	140	90	150	220	IP65
KDG PL 15004 50	5,000	80	21,000	140	50	150	220	IP65

KDG LED Lighting

LED High Bay Light 공장등

[200W]



A(Ø)	B (mm)	C (mm)	D (Ø)	Weight [Kg]
418	64	146	-	6.5

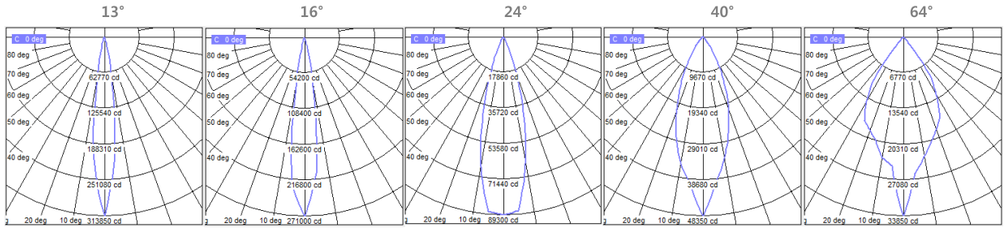
Application

- ✓ External SMPS type
- ✓ For replacement of existing 400W Metal halide lamp
- ✓ For Factory Lighting

Illumination

Luminance Intensity Distribution [KDG FA 20001 50]

ISO Cd Curve



Specification

Model No.	Color [K]	CRI	Total Flux [Lm]	Efficiency [Lm/W]	Beam angle [°]	Power Consumption [W]	INPUT [VAV]	Remark
KDG FA 20001 50	5,000	75	22,400	112	64	200	220	IP65
KDG FA 20002 50	5,000	75	23,000	115	13,16,24,40,64	200	220	IP65
KDG FA 20003 50	5,000	70	23,000	115	64	200	176~305	IP65
KDG FA 20004 50	5,000	70	24,000	120	13,16,24,40,64	200	176~305	IP65

NOTE

NOTE