

CATALOGUE | 2017 - 2018

DUHAL

CATALOGUE 2017 - 2018

ISO 9001 : 2015

DUHAL

Contact:

# CATALOGUE

2017 - 2018

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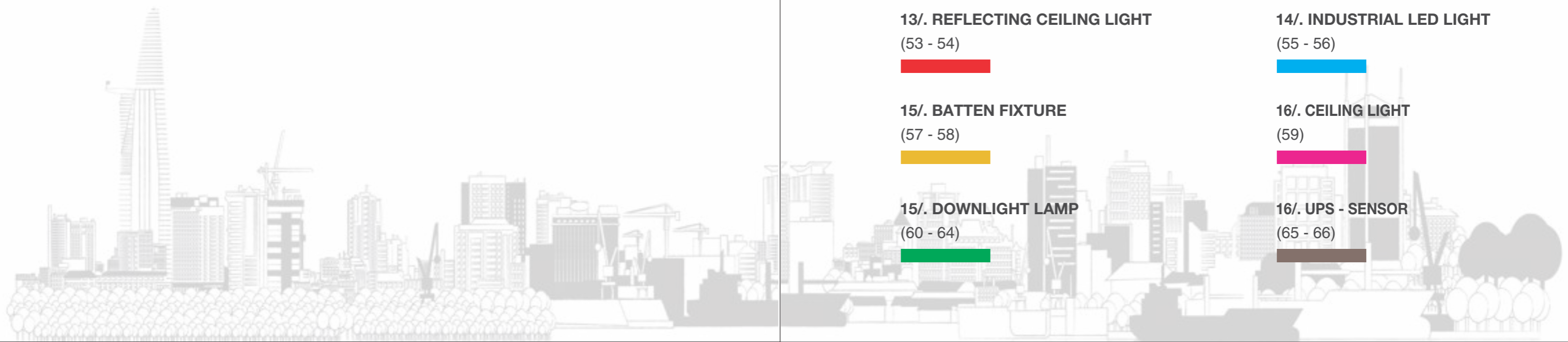
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**FACTORY TAN MY CHANH  
INDUSTRIAL AREA,  
TIEN GIANG PROVINCE,  
VIETNAM**

Duhal Industry and Trading Joint Stock Company would like to thank our customers for always believing and accompanying us in the way building Duhal brand during the past time.

Established in 1993, Duhal had developed in difficult situation when Vietnam changed into a new economic era. Until now, Duhal made great progress in developing and producing lighting equipment. “TODAY QUALITY, TOMORROW DEVELOPMENT” is the guideline of every Duhal member. Duhal is not only known as the biggest lighting equipment producer in Vietnam, but also is the pioneer in providing the best lighting solution in domestic market.

Mastering LED light producing technology, Duhal is Tien Giang Province Enterprise of Science and Technology. Duhal has invested modern facility system which is controlled by international quality management standards system - ISO 9001:2015 – granted by TUV Rheinland, Germany. We are also developing international standards related to environment management ISO 14001.

Duhal has achieved numerous of honorable domestic and foreign prizes. Such as: National Performance Excellence Award (2006, 2007, 2009, 2010, 2013), Gold medal for Vietnamese High-quality Goods Award, Gold trophy at Vietbuild International Construction Exhibition, Top 100 brands in Vietnam, etc.

We have always endeavored to build up values and to maintain customer’s trust. Duhal strives to expand not only domestic market but also establishes a system of distributors in Asia, Europe, America. We are proud that many key projects are equipped by Duhal Led products. Such as: Noi Bai International airport, Tan Son Nhat International airport, HCMC Children’s Hospital, Bac Thang Long Industrial Park, International Hospital and Public Administrative Region of Hue City, LAKEVIEW Commercial Centre, The People’s Court of Da Nang City, etc. Especially, Duhal Led products were used to replaced for the whole lighting system of Bitexco building, which is the symbolic building of HCMC. Bitexco building ranked number 5 in Top 20 most impressive building in the world in 2013.

With the slogan “BE PROUD OF VIETNAM LED LIGHTINGS”, Duhal always give prominence to serving mission. We are confident that Duhal will continue to grow and become the top brand in Vietnam.

Once again, Duhal would like to give you the most sincere gratitude.

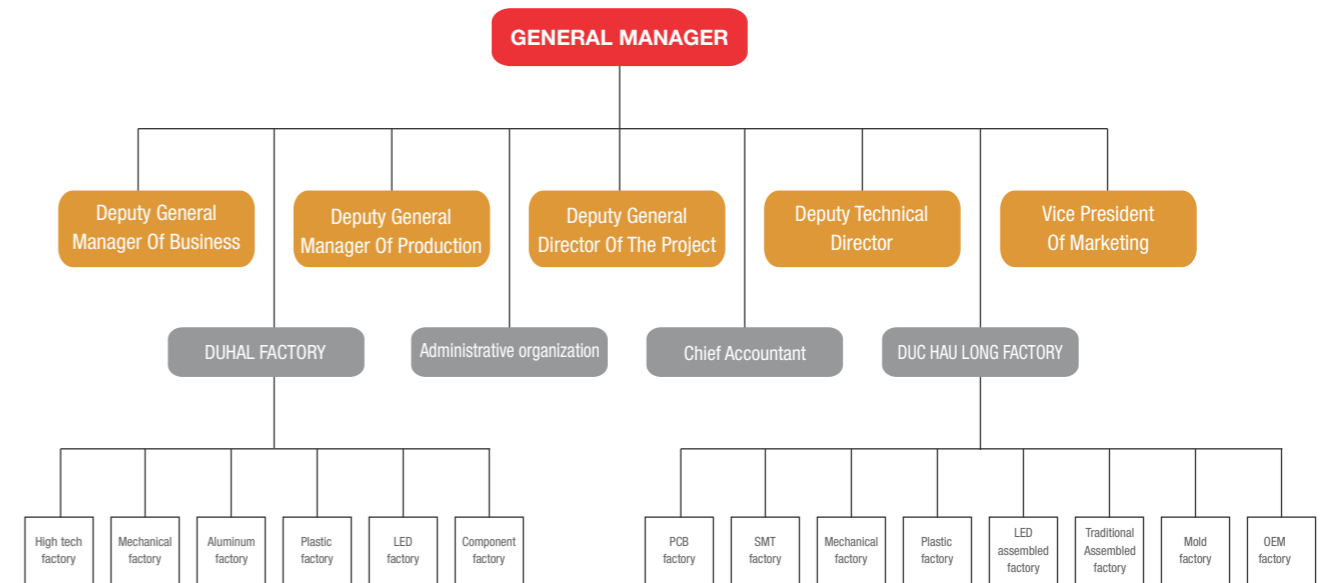


**FACTORY GIAO LONG  
INDUSTRIAL AREA,  
BEN TRE PROVINCE,  
VIETNAM )**

# INTRODUCTION

Name	DUHAL INDUSTRY & TRADING JOINT STOCK COMPANY
Career	Lighting equipment
Founding	4-9-1993
Factory Area	43.000 m <sup>2</sup>
Number Of Employees	1.500
Management System	ISO 9001:2008 - ISO 14000
Domestic Market	4000 sales agents
International Markets	Laos, Cambodia, Thailand, Myanmar, Indonesia, Malaysia, Sri lanka, India, Japan, Korea...

# ORGANIZATION ORGANIZATION



# PROFESSIONAL PRODUCTION LINE



LED Chip Manufacturing



Boards Line



PCB Production



LED Tube Assembly



Plastic Injection Enterprise



Blow Shield



Assembly Factory



Mechanical Enterprise



LED Assembly Factory



Plastic Press

# PRODUCTION TECHNOLOGY FROM JAPAN - KOREA



# CERTIFICATIONS

## CERTIFICATION OF SCIENTIFIC AND TECHNOLOGICAL ENTERPRISES



ISO 9001:2015



# ACHIEVEMENTS



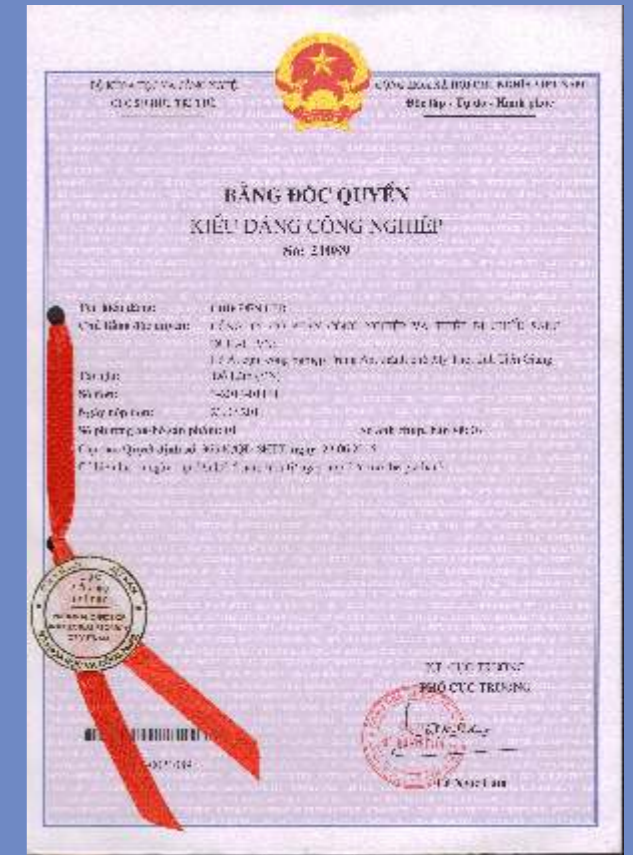
# INTERNATIONAL CERTIFICATE



# CERTIFICATE OF BRAND



# EXCLUSIVE RIGHTS CERTIFICATE





## THE TYPICAL PROJECTS

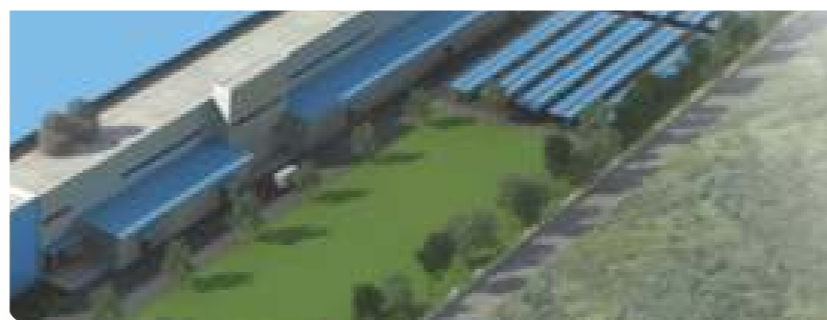


JW MARRIOTT HOTEL - HANOI CITY



BITEXCO BUILDING - HCM CITY

# THE TYPICAL PROJECTS





**WARRANTY**  
**2 YEAR**

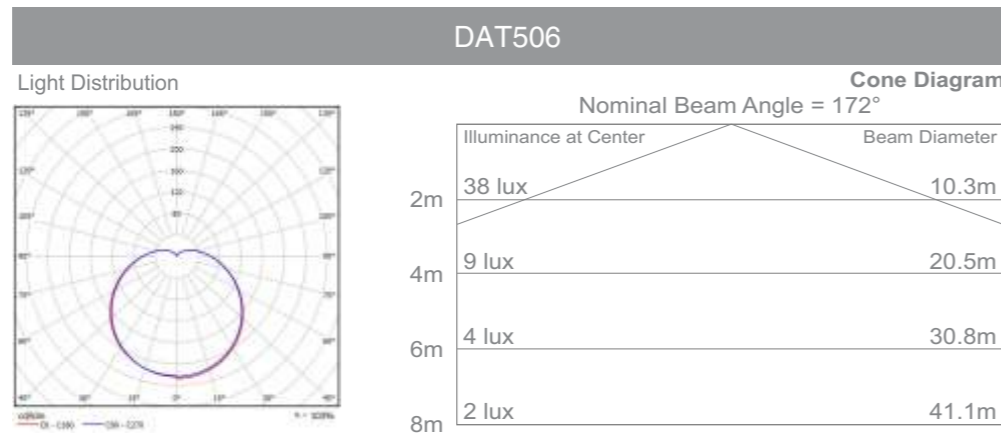
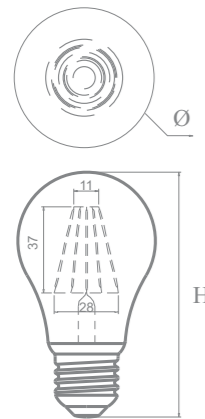
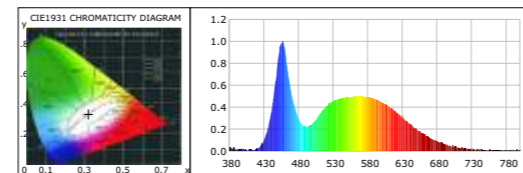
**LIFETIME**  
**30.000**  
**HOURS**

**Characteristic:**

- INCANDESCENT LED BULB is an ideal replacement for traditional high performance incandescent bulbs
- Advanced LED technology, energy saving, providing true light colors without flickering, low temperature emission.
- Glass material brings classic beauty to suit the decoration space
- Using E14 (DAT504), E27 (DAT506) lamp holder

**Application:**

- Lighting, decoration



AC220V 50Hz Tc(K) 3000K/6000K Ra >80 Luminous Efficiency 100lm/W CE F E Grounded 30000 (h) RoHS compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) ØxH	CRI	IP
DAT504	4W	220V	3000K/6000K	>0.7	500	35x96	>80	44
DAT506	6W	220V	3000K/6000K	>0.7	750	60x105	>80	44



**WARRANTY**  
**2 YEAR**



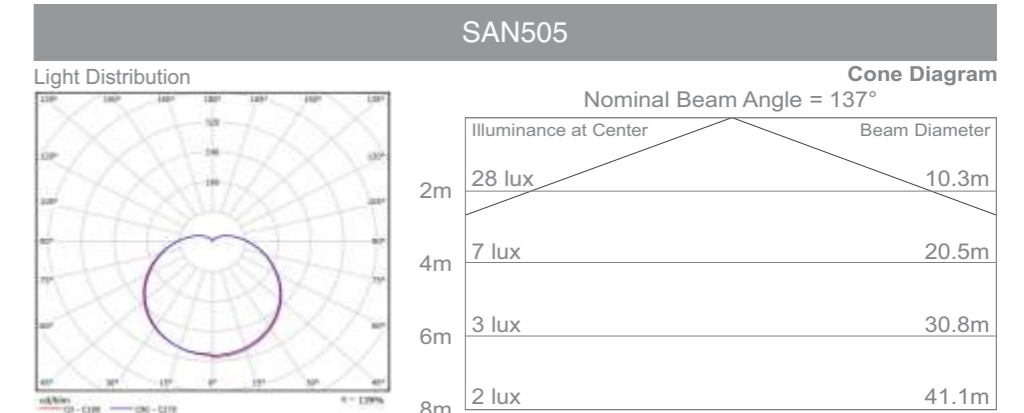
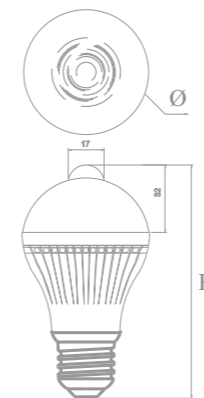
**LIFETIME**  
**30.000**  
**HOURS**

**Characteristic:**

- MOVEMENT SENSOR LED BULB: equipped with an optical sensor that illuminates the bulb at night or when there is movement. Without movement, the bulb will automatically turn off after 20-30s. Especially, the bulb does not turn on in daylight for maximizing power savings.
- Using E27 lamp holder.

**Application:**

- Used as theft alarm: the lamp will turn on when there is a theft breaking into the house.
- Suitable for: stairs, balconies, hallways, halls, doors, etc.



AC220V 50Hz Tc(K) 3000K/6000K Ra >80 Luminous Efficiency 110lm/W CE F E Grounded 30000 (h) RoHS compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) ØxH	CRI	IP
SAN505	5W	220V	3000K/6000K	>0.7	400	61x106	>80	44
SAN505S	5W	220V	3000K/6000K	>0.7	400	61x106	>80	44
SAN805	5W	220V	3000K/6000K	>0.7	400	61x106	>80	44



**Characteristic:**

- Banishing mosquitoes in the lighting area, limiting mosquitoes to the lighting area when the light operates. Lamp works base on the impact of special light wavelength.
- Not harmful for eyes, especially suitable for dark areas, children's room
- Using E27 lamp holder

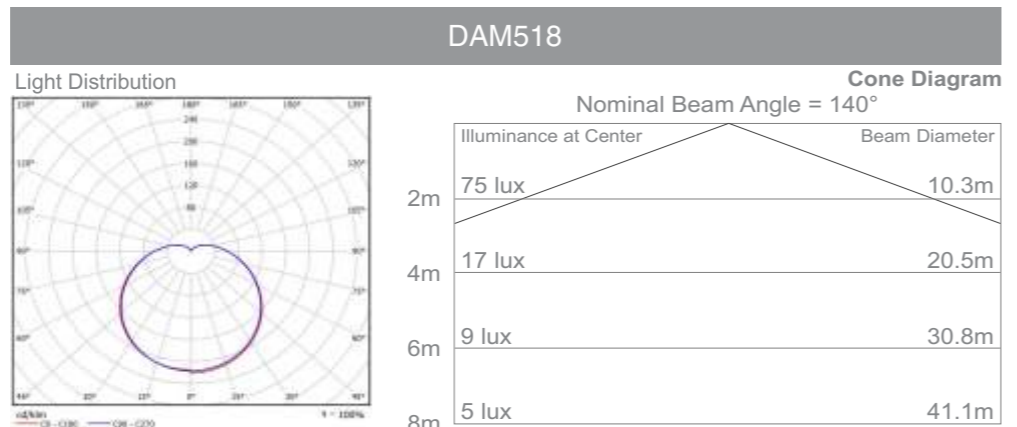
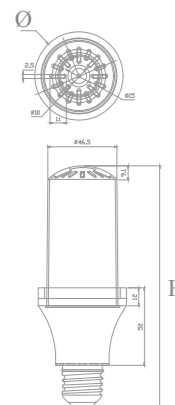
**Application:**

- Houses, offices, cafes, hotels, hospital
- Indoor: When the lamp turns on, the door must be opened for the mosquitoes to escape from the room (do not turn on the white lamp bulb when Anti Mosquito Light works)
- Outdoor: Turn on continuously to increase the efficiency of the lamp



LIFETIME  
30.000  
HOURS

WARRANTY  
2YEAR



AC220V 50Hz Tc(K) 2200K/2500K Ra >85 Luminous Efficiency 100lm/W CE F 30000 RoHS Compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) ØxH	CRI	IP
DAM518	18W	220V	2200K/2500K	>0.7	1200	60x170	-	44



LIFETIME  
30.000  
HOURS

WARRANTY  
3YEAR

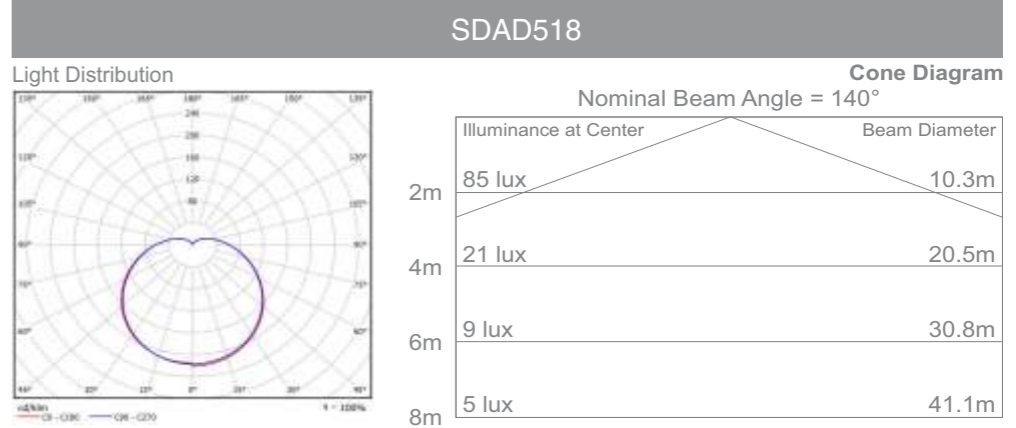
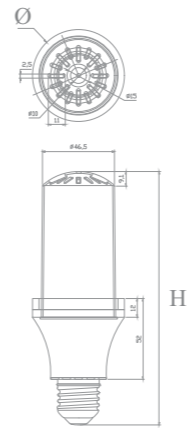


**Characteristic:**

- Extremely light intensity, completely replace the traditional Compact light, saving up to 50% power consumption.
- Perfect light, even and no flickering, no glare
- Using E27 lamp holder

**Application:**

- Suitable for showrooms, shops, fashion shops, houses, offices, restaurants, hotels, etc.



AC220V 50Hz Tc(K) 3000K/6000K Ra >85 Luminous Efficiency 110lm/W CE F 50000 RoHS Compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) ØxH	CRI	IP
SDAD512	12W	220V	3000K/6500K	>0.7	990	60x170	>85	44
SDAD515	15W	220V	3000K/6500K	>0.7	1230	60x170	>85	44
SDAD518	18W	220V	3000K/6500K	>0.7	1470	60x170	>85	44



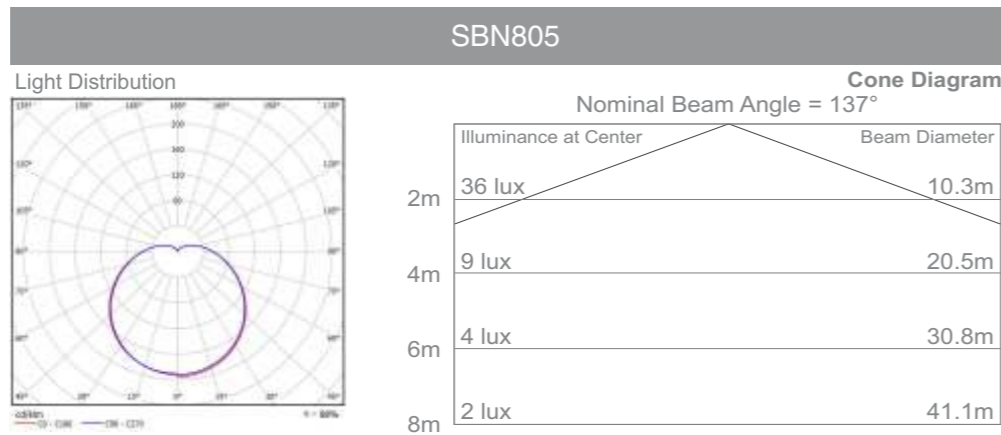
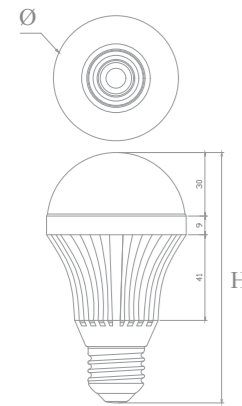
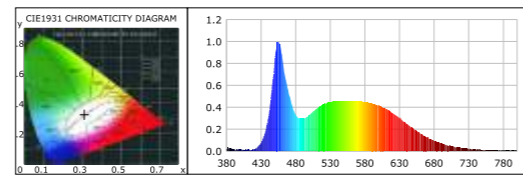


**Characteristic:**

- Used as an emergency light, the lamp will be automatically turned on and switched to battery mode. The lamp can be used up to 5 hours continuously. When there is electricity, the lamps automatically charge.
- Used as a flashlight when held in hand or switched off the bulb
- Low power consumption, stable light, less heat
- Using E27 lamp holder

**Applicaion:**

- Suitable for stairs, bathrooms, study desks, shops, restaurants, motels, etc.



AC220V 50Hz Tc(K) 3000K/6000K Ra >80 Luminous Efficiency 110lm/W CE F 30000 (h) RoHS Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SBN805	5W	220V	3000K/6000K	>0.7	410	60x105	>80	44
SBN807	7W	220V	3000K/6000K	>0.7	570	67x120	>80	44
SBN809	9W	220V	3000K/6000K	>0.7	730	75x125	>80	44
SBN812	12W	220V	3000K/6000K	>0.7	980	92x145	>80	44

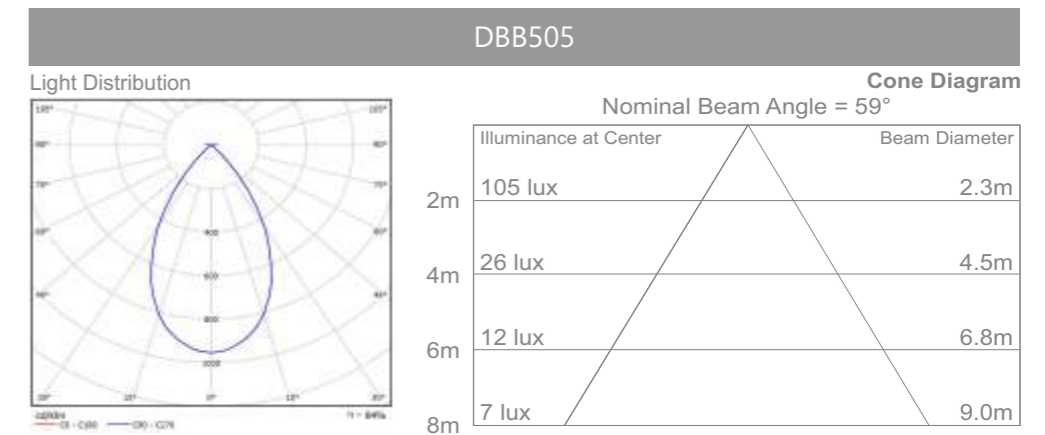
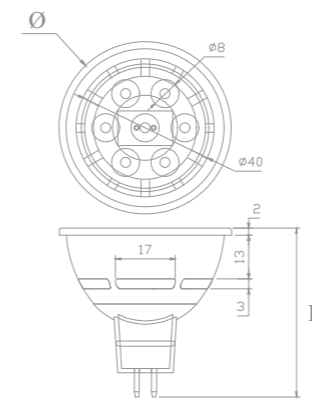
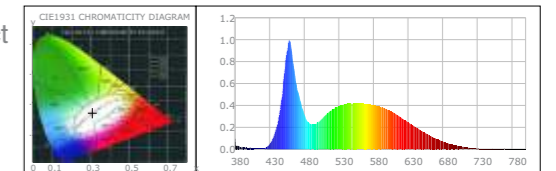


**Characteristic:**

- Providing focus light and orient lights to objects to create highlights and appeal.
- Used with dimmer to adjust the brightness.
- High color rendering demonstrates the color of the illuminated product
- Low power consumption, stable light, less heat, long lifespan.
- Using MR16 plug holder.

**Application:**

- Suitable for showroom, shop, fashion shop, art lighting, etc.



AC220V 50Hz Tc(K) 3000K/6000K Ra >80 Luminous Efficiency 110lm/W CE F 30000 (h) RoHS Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
DBB505	5W	220V	3000K/6000K	>0.9	440	50x50	>80	44



**WARRANTY**  
**3 YEAR**

**LIFETIME**  
**50.000**  
**HOURS**

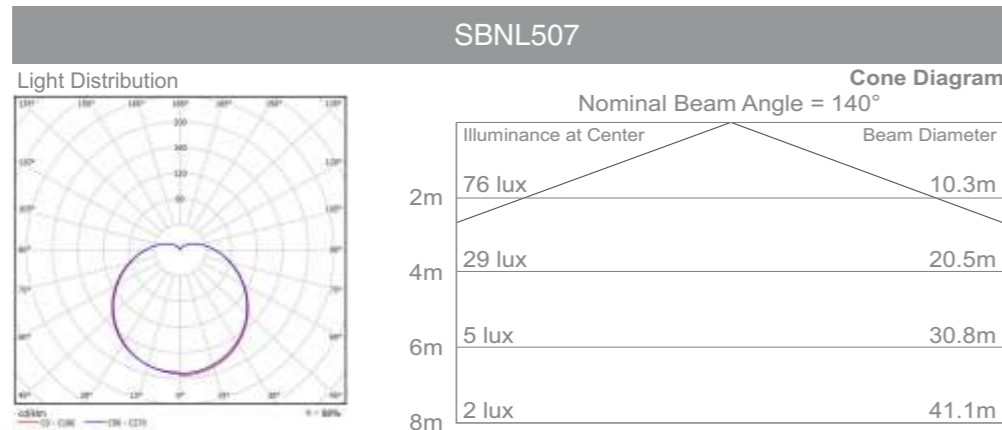
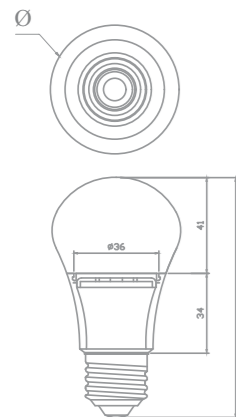


**Characteristic:**

- High impact resistance.
- Built-in die-cast aluminum body for good heat dissipation, which helps to keep the LED chip stable
- Body and lamp shape is made of PC
- Using E27 lamp holder

**Application:**

- Suitable for decoration for houses, offices, restaurants, hotels, showrooms, shops, fashion shops, art lighting, etc.



AC220V 50Hz 3000K/6500K Tc(K) Ra >85 Luminous Efficiency 110lm/W CE F Non-Dimmable 50000 hours

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SBNL503	3W	220V	3000K/6500K	>0.9	360	55x103	>85	44
SBNL505	5W	220V	3000K/6500K	>0.9	550	60x109	>85	44
SBNL507	7W	220V	3000K/6500K	>0.9	740	65x127	>85	44
SBNL509	9W	220V	3000K/6500K	>0.9	900	60x120	>85	44
SBNL512	12W	220V	3000K/6500K	>0.9	1400	65x124	>85	44



**WARRANTY**  
**3 YEAR**



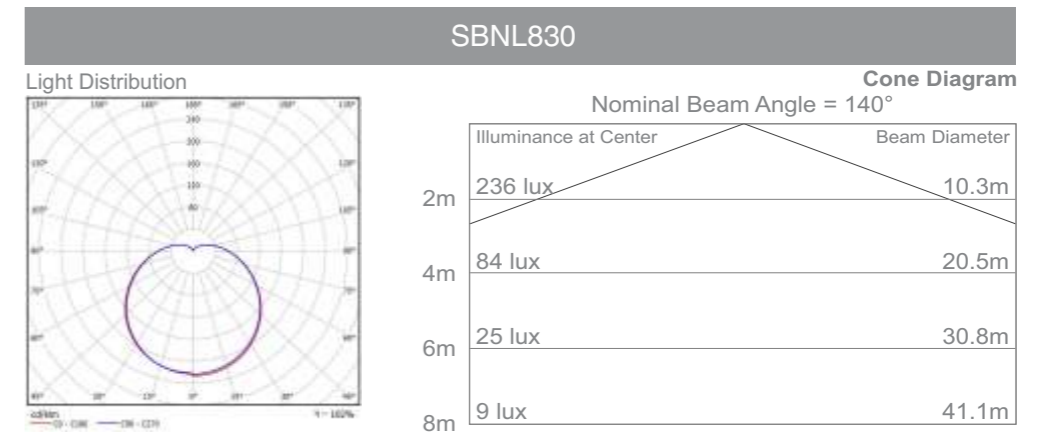
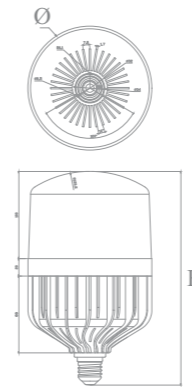
**LIFETIME**  
**50.000**  
**HOURS**

**Characteristic:**

- Solid aluminum body for good heat dissipation, which helps to keep the LED chip stable
- Body and lamp shape is made of PC
- Using E27 lamp holder

**Application:**

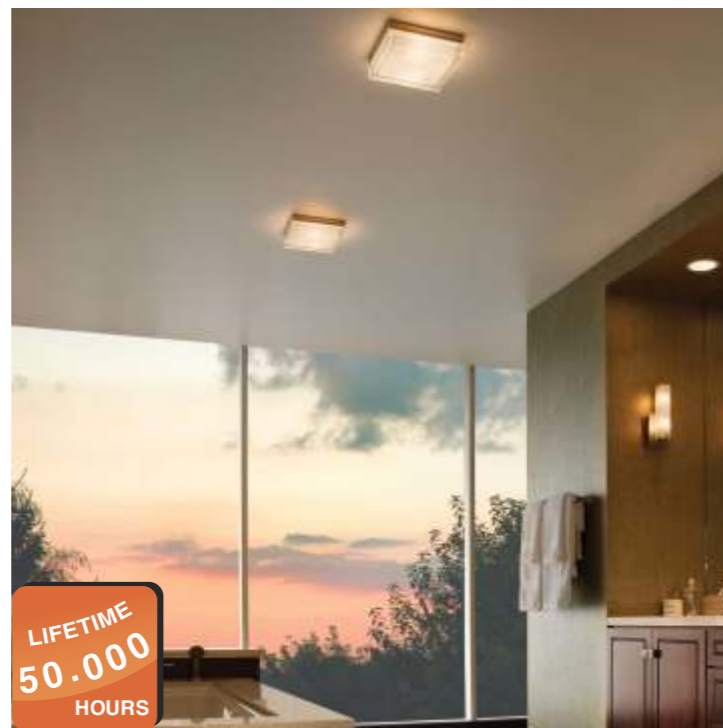
- Lighting, decoration for houses, offices, restaurants, hotels, showrooms, shops, fashion shops, art lighting, etc.



AC220V 50Hz 3000K/6500K Tc(K) Ra >85 Luminous Efficiency 110lm/W CE F Non-Dimmable 50000 hours

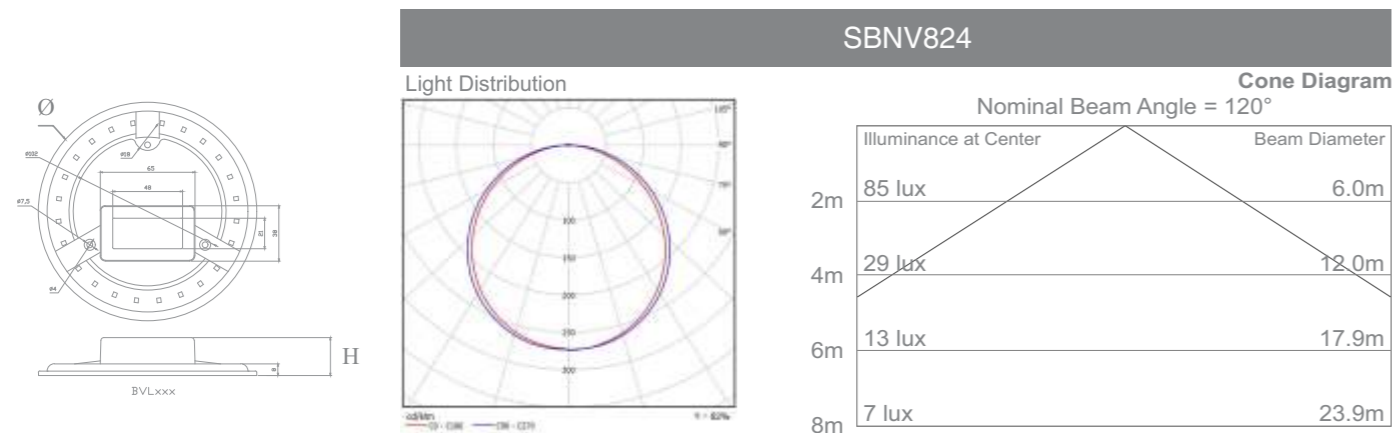
CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SBNL810	10W	220V	3000K/6500K	>0.9	1100	60x120	>85	44
SBNL815	15W	220V	3000K/6500K	>0.9	1600	70x130	>85	44
SBNL820	20W	220V	3000K/6500K	>0.9	2200	80x150	>85	44
SBNL830	30W	220V	3000K/6500K	>0.9	3300	100x180	>85	44
SBNL840	40W	220V	3000K/6500K	>0.9	4200	120x210	>85	44
SBNL850	50W	220V	3000K/6500K	>0.9	5700	140x250	>85	44
SBNL860	60W	220V	3000K/6500K	>0.9	6900	140x290	>85	44
SBNL880	80W	220V	3000K/6500K	>0.9	8900	140x290	>85	44





**Characteristic:**

- Save up to 50% of electricity, with the same lighting efficiency as traditional lamps.
- Replacement of fluorescent lamp in ceiling light



CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SBNV812	12W	220V	3000K/6500K	>0.9	1000	150x26	>85	44
SBNV815	15W	220V	3000K/6500K	>0.9	1500	150x26	>85	44
SBNV818	18W	220V	3000K/6500K	>0.9	1900	220x26	>85	44
SBNV824	24W	220V	3000K/6500K	>0.9	1500	220x26	>85	44

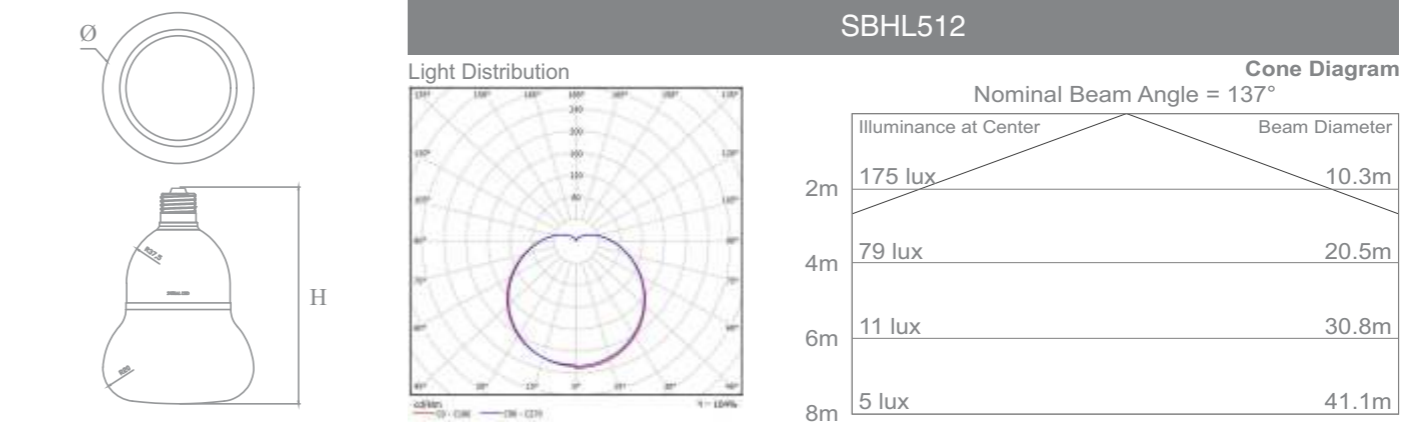
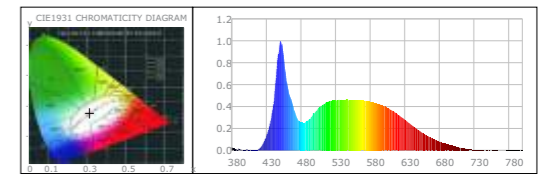


**Characteristic:**

- Attractive designs, used for both lighting and decoration
- Advanced LED technology, even light distribution
- Quick start, no flickering, no glare
- Using E27 lamp holder

**Application:**

- Suitable for houses, offices, hotels, restaurants, shops, etc.



CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SBHL509	9W	220V	3000K/6500K	0.9	1000	84x130	>85	54
SBHL512	12W	220V	3000K/6500K	0.9	1300	100x150	>85	54
SBHL515	15W	220V	3000K/6500K	0.9	1600	114x170	>85	54
SBHL518	18W	220V	3000K/6500K	0.9	1900	135x200	>85	54
SBHL530	30W	220V	3000K/6500K	0.9	3300	155x220	>85	54



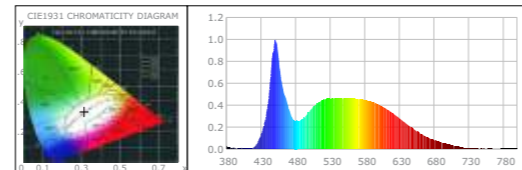
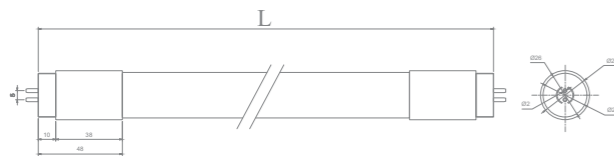
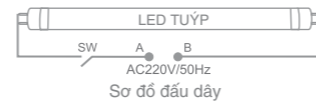


**Characteristic:**

- Brilliant light, no shake, no flickering, instant start
- The tube is made of nano plastic material for high durability, easy to transport

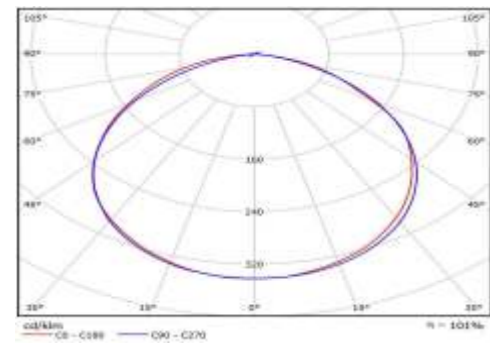
**Application:**

- Suitable for hotels, shops, apartments, offices, houses, factories, etc.
- Use with T5 lamp light trough, a replacement of T5 fluorescent lamp, suitable for installation in the traditional fluorescent lamp trough (note the installation diagram)



## SHN503

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 170°

	Illuminance at Center	Beam Diameter
2m	375 lux	6.4m
4m	148 lux	12.8m
6m	19 lux	19.1m
8m	10 lux	25.5m

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS L (mm)	CRI	IP
SHN501	9W	220V	3000K/6500K	>0.7	1000	550	>85	44
SHN503	18W	220V	3000K/6500K	>0.7	2000	1155	>85	44

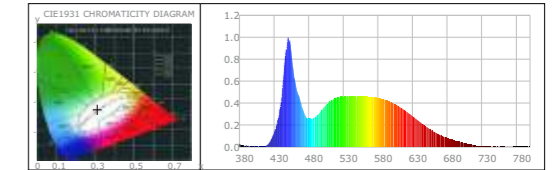
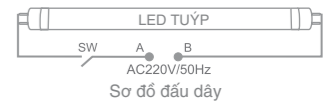


**Characteristic:**

- Brilliant light, no shake, no flickering, instant start
- The tube is made of Poly Carbonat material for high durability, easy to transport

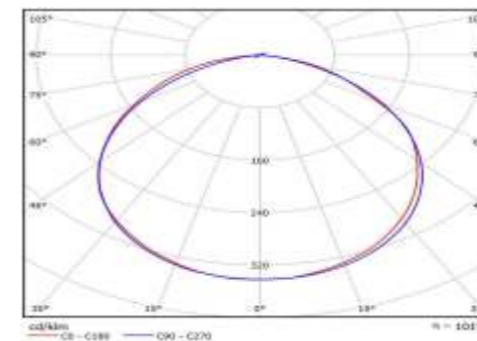
**Application:**

- Suitable for hotels, shops, apartments, offices, houses, factories, etc.
- A replacement of T8 fluorescent lamp, suitable for installation in the traditional fluorescent lamp trough (note the installation diagram)



## SDH110

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 170°

	Illuminance at Center	Beam Diameter
2m	375 lux	6.4m
4m	148 lux	12.8m
6m	19 lux	19.1m
8m	10 lux	25.5m

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS L (mm)	CRI	IP
SDH110	10W	220V	3000K/6500K	>0.9	1200	600	>85	44
SDH120	20W	220V	3000K/6500K	>0.9	2300	1200	>85	44







# NEW RESOLUTION LED TUBE A REPLACEMENT OF FLUORESCENT LAMP



### Characteristic:

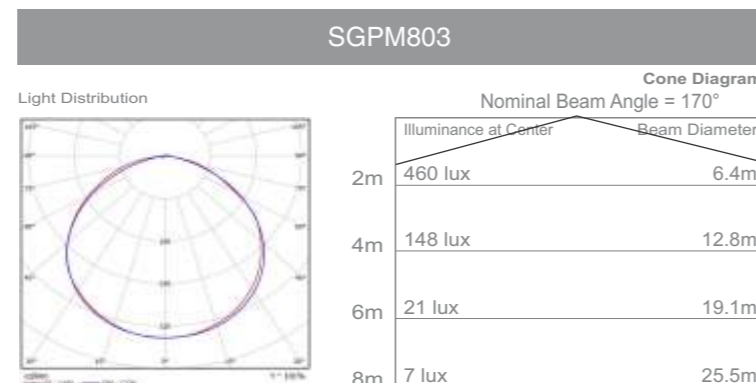
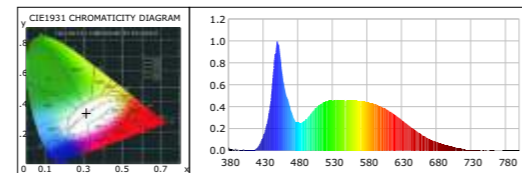
- Brilliant light, no flickering, instant start.
- Non-toxic products (mercury, non-UV ...) reduce greenhouse gas emissions.
- T8 tubes save up to 50% power consumption with lifespan is 5 times longer life than fluorescent lamps.
- The tube is made of plastic material

### Feature:

- Applicable to all fluorescent fixtures
- No noise. Reduce 90% power loss caused by ballast
- Does not depend on starter
- Instant start. Does not turn black
- 20% brighter than fluorescent lamp
- High power factor  $\cos \phi > 0.97$
- Does not depend on ballast and starter lifespan (even if the ballast, starter is damaged)

### Application:

- Used for hotels, shops, apartments, offices, rooms, houses, factories, etc.
- A replacement of T8 fluorescent lamp



Replace the old fluorescent lamp without removing starter or ballast



No.	Types of connection diagrams	Compatibility of the Duhal tube product	Compatibility of the common led tube product
1		✓	✗
2		✓	✓
3		✓	✗
4		✓	✓
5		✓	✓
6		✓	✓
7		✓	✓
8		✓	✓
9		✓	✗
10		✓	✗
11		✓	✗
12		✓	✗



CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS L (mm)	CRI	IP
SGPM801	9W	220V	3000K/6500K	>0.9	1000	600	>85	44
SGPM803	18W	220V	3000K/6500K	>0.9	2000	1200	>85	44





DHA803R

DHA803G

DHA803B

**Characteristic:**

- unique, luxurious and delicate
- Standard color, no shake, no flickering, instant start
- 3 basic colors: Red - Green – Blue

**Application:**

- Suitable for decorating restaurants, bars, karaoke, coffee, public works, etc.



AC220V	50Hz	Tc(K) 1000K/9000K	Ra	Luminous Efficiency 110lm/W	CE	F	30000 (h)	RoHS	Non-Dimmable
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CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS L (mm)	CRI	IP
DHA801R	6W	220V	1000K	>0.7	200	600	-	44
DHA803R	12W	220V	1000K	>0.7	400	1200	-	44
DHA801G	6W	220V	8000K	>0.7	510	600	-	44
DHA803G	12W	220V	8000K	>0.7	1000	1200	-	44
DHA801B	6W	220V	9000K	>0.7	170	600	-	44
DHA803B	12W	220V	9000K	>0.7	350	1200	-	44

■ R: Red light    ■ G: Green light    ■ B: Blue light

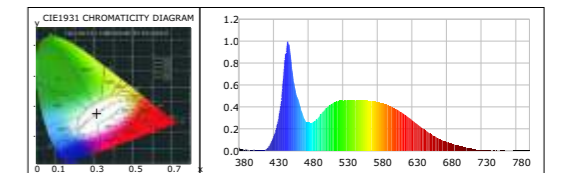


**Characteristic:**

- Brilliant light, no shake, no flickering, instant start
- The tube is made of nano plastic material for high durability, easy to transport

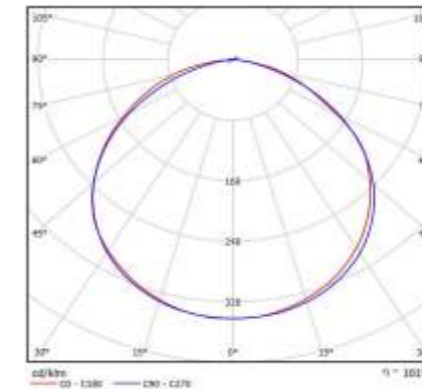
**Application:**

- Suitable for hotels, shops, apartments, offices, houses, factories, etc.



**SDHD803**

Light Distribution



Cone Diagram

	Nominal Beam Angle = 170°	
	Illuminance at Center	Beam Diameter
2m	375 lux	6.4m
4m	148 lux	12.8m
6m	19 lux	19.1m
8m	10 lux	25.5m

AC220V	50Hz	Tc(K) 3000K/6500K	Ra >85	Luminous Efficiency 110lm/W	CE	F	50000 (h)	RoHS	Non-Dimmable
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CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS L (mm)	CRI	IP
SDHD801	9W	220V	3000K/6500K	0.7	1000	600	>85	44
SDHD803	18W	220V	3000K/6500K	0.7	2000	1200	>85	44

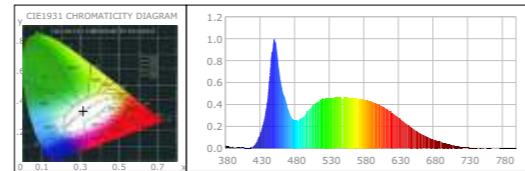
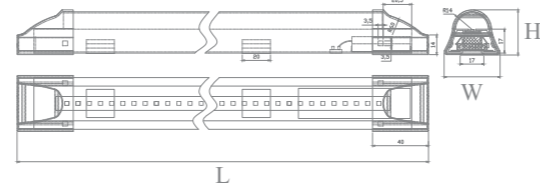




**WARRANTY 3 YEAR**



**LIFETIME 50.000 HOURS**



**Characteristic:**

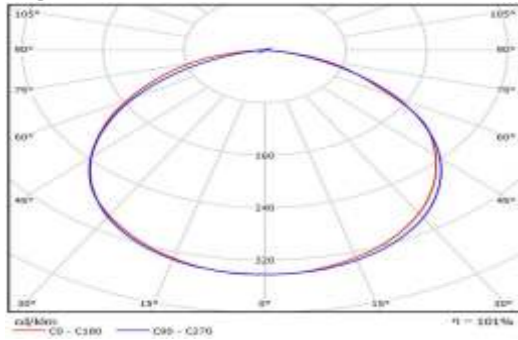
- Designed with a variety of models to meet different needs and increase elegance for lighting space.
- Brilliant light, no shake, no flickering, instant start
- Easy installation to replace traditional fluorescent lamps.

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.

**SBTN118**

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 170°

Distance (m)	Illuminance at Center (lux)	Beam Diameter (m)
2m	325 lux	6.4m
4m	105 lux	12.8m
6m	19 lux	19.1m
8m	7 lux	25.5m

AC220V 50Hz Tc(K) 3000K/6500K Ra >85 Luminous Efficiency 110lm/W CE F 50000 (h) RoHS compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SBTN109	9W	220V	3000K/6500K	>0.9	1100	632x40x32	>85	44
SBTN118	18W	220V	3000K/6500K	>0.9	2100	1250x40x32	>85	44
SBTN809	9W	220V	3000K/6500K	>0.7	1000	590x40x32	>85	44
SBTN818	18W	220V	3000K/6500K	>0.7	2000	1210x40x32	>85	44

\* **SBTN109, SBTN118:** alluminum base, PC lampshape

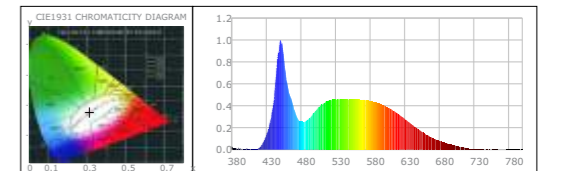
\* **SBTN809, SBTN818:** PC base and lampshape.



**WARRANTY 2 YEAR**



**LIFETIME 50.000 HOURS**



**Characteristic:**

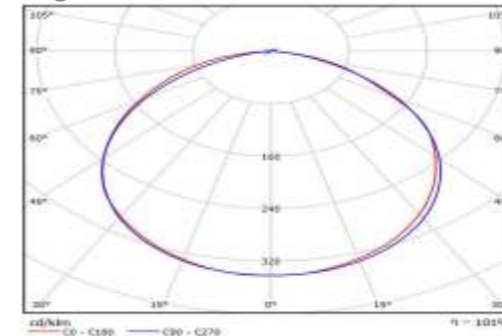
- Compact design with a variety of models
- Using the synchronized PC LED Tube
- Brilliant light, no shake, no flickering, instant start
- Light trough is made of electrostatic coated tole.
- Light base is made of fire-proof PC

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.

**SDHD118**

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 170°

Distance (m)	Illuminance at Center (lux)	Beam Diameter (m)
2m	375 lux	6.4m
4m	148 lux	12.8m
6m	19 lux	19.1m
8m	10 lux	25.5m

AC220V 50Hz Tc(K) 3000K/6500K Ra >85 Luminous Efficiency 110lm/W CE F 50000 (h) RoHS compliant Non-Dimmable

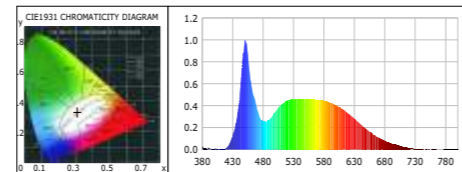
CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS L (mm)	CRI	IP
SDHD109	9W	220V	3000K/6500K	>0.9	1000	600	>85	44
SDHD118	18W	220V	3000K/6500K	>0.9	2000	1200	>85	44





LIFETIME  
30.000  
HOURS

WARRANTY  
2YEAR

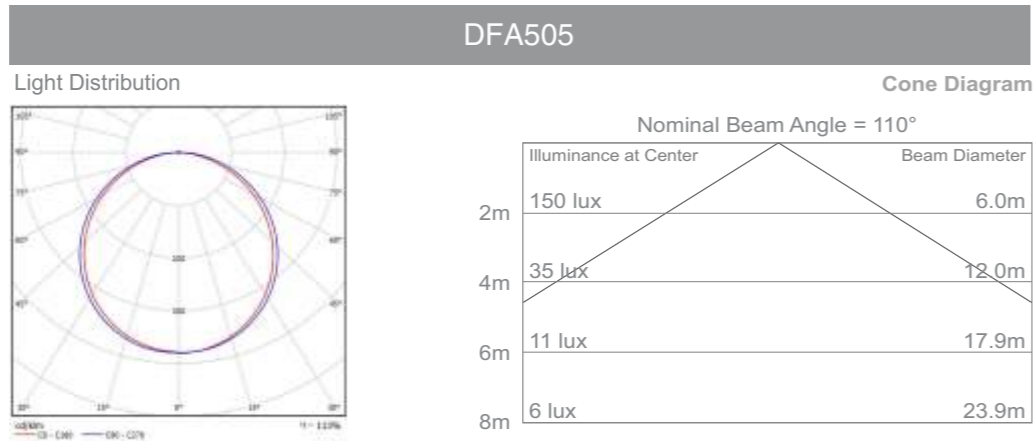
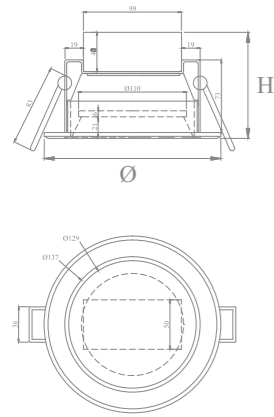


**Characteristic:**

- The lights do not emit ultraviolet rays, and infrared rays which affect your family members' health.
- Light base is made of electrostatic coated tole for durability
- Anti-glare mica lampshade

**Application:**

Suitable for houses, restaurants, hotels, offices, etc.



AC220V 50Hz Tc(K) 3000K/6000K Ra >80 Luminous Efficiency 110lm/W CE F Non-Dimmable 30000 (h) RoHS

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CUT OUT Ø(mm)	CRI	IP
DFA503	3W	220V	3000K/6000K	>0.7	250	90x58	75	>80	44
DFA505	5W	220V	3000K/6000K	>0.7	450	110x58	95	>80	44
DFA509	9W	220V	3000K/6000K	>0.7	800	144x58	130	>80	44
DFA515	15W	220V	3000K/6000K	>0.7	1350	180x58	155	>80	44



WARRANTY  
2YEAR

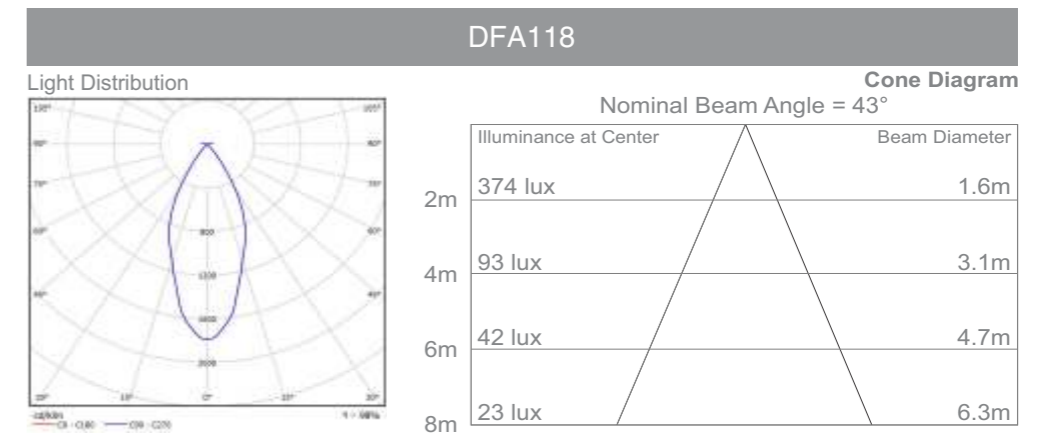
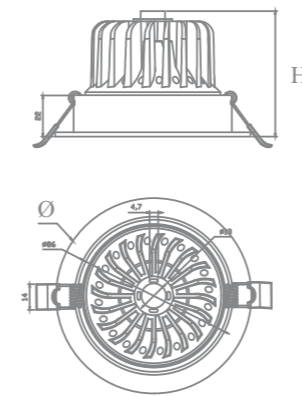
LIFETIME  
30.000  
HOURS

**Characteristic:**

- Brilliant light, no shake, no flickering, instant start
- The lights do not emit ultraviolet rays, and infrared rays which affect your family members' health
- Lamp base is made of aluminum alloy, coated with antioxidant which is resistant to high temperatures.
- Reflector allows deep projection.

**Application:**

Suitable for houses, restaurants, hotels, offices, etc.



AC220V 50Hz Tc(K) 3000K/6000K Ra >80 Luminous Efficiency 110lm/W CE F Non-Dimmable 30000 (h) RoHS

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CUT OUT Ø(mm)	CRI	IP
DFA107	7W	220V	3000K/6000K	>0.9	650	85x53	73	>80	44
DFA112	12W	220V	3000K/6000K	>0.9	1150	105x68	93	>80	44
DFA118	18W	220V	3000K/6000K	>0.9	1750	135x73	120	>80	44



**WARRANTY**  
**2 YEAR**



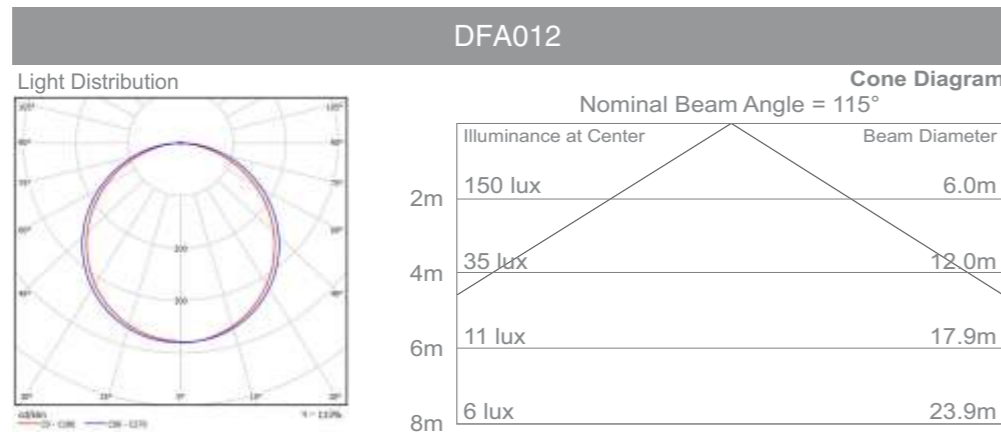
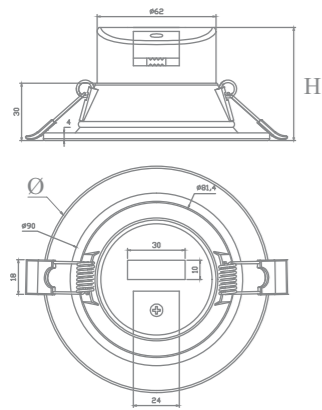
**LIFETIME**  
**30.000**  
**HOURS**

**Characteristic:**

- Brilliant light, no shake, no flickering, instant start
- The lights do not emit ultraviolet rays, and infrared rays which affect your family members' health
- Lamp base is made of heat-resistant PC. Electrical insulation and antioxidant properties for durability
- Anti-glare mica lampshade

**Application:**

Suitable for houses, restaurants, hotels, offices, etc.



AC220V 50Hz 3000K/6000K Tc(K) >80 Ra Luminous Efficiency 110lm/W CE F Non-Dimmable 30000 (h) ROHS compliant

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CUT OUT Ø (mm)	CRI	IP
DFA005	5W	220V	3000K/6000K	>0.9	490	100x55	80	>80	44
DFA007	7W	220V	3000K/6000K	>0.9	650	118x56	95	>80	44
DFA012	12W	220V	3000K/6000K	>0.9	1100	140x65	120	>80	44
DFA018	18W	220V	3000K/6000K	>0.9	1750	175x75	155	>80	44



**WARRANTY**  
**3 YEAR**



**LIFETIME**  
**50.000**  
**HOURS**

**Characteristic:**

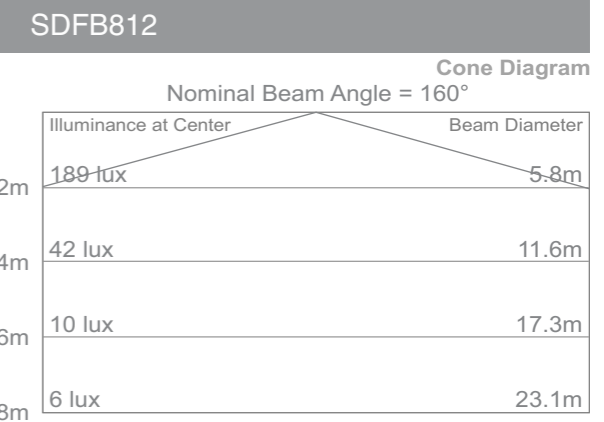
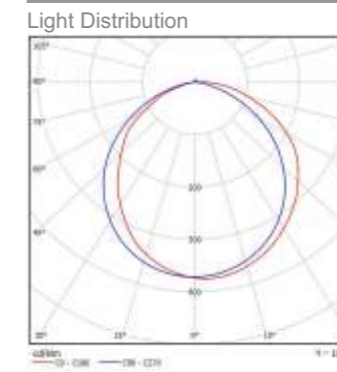
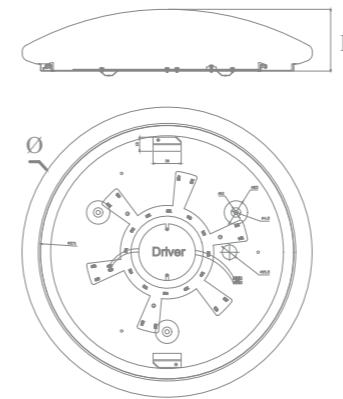
- Lamp base is made of electrostatic coated tole
- Dispersive mica lampshade pleasant colors and high lighting efficiency

**Application:**

Suitable for houses, restaurants, hotels, conferences /meeting rooms, events, entertainment facilities, etc.



.../O: Opalescent lampshade .../P: Crystal-clear lampshade



AC220V 50Hz 3000K/6500K Tc(K) >85 Ra Luminous Efficiency 110lm/W CE F Non-Dimmable 50000 (h) ROHS compliant

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SDFB812	12W	220V	3000K/6500K	>0.9	1250	310x90	>85	44
SDFB815	15W	220V	3000K/6500K	>0.9	1600	310x90	>85	44
SDFB818	18W	220V	3000K/6500K	>0.9	1900	400x90	>85	44
SDFB825	25W	220V	3000K/6500K	>0.9	2100	530x105	>85	44

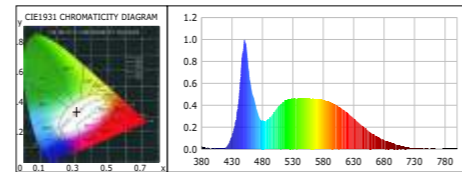
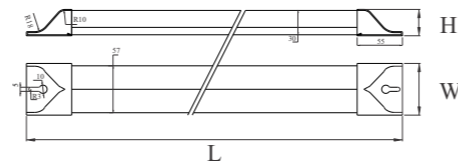




**WARRANTY**  
**3 YEAR**



**LIFETIME**  
**50.000**  
**HOURS**



**Characteristic:**

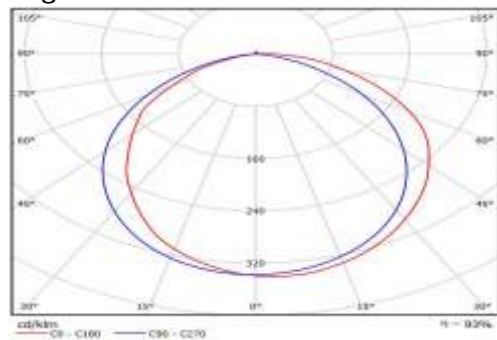
- Save 50% power consumption compared to traditional fluorescent tubes T5, T8.
- Lamp base is made of aluminum alloy and electrostatic coated tole.
- Dispersive mica lampshape pleasant colors and high lighting efficiency

**Application:**

Suitable for lighting installation of houses, restaurants, hotels, conference /meeting rooms, event venue, entertainment facilities, etc.

### SDTF218

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 120°	
Illuminance at Center	Beam Diameter
480 lux	6.4m
245 lux	12.8m
65 lux	19.1m
11 lux	25.5m

AC220V	50Hz	Tc(K) 3000K/6500K	Ra >85	Luminous Efficiency 110lm/W	CE	F	⊕	50000 (h)	RoHS compliant	Non-Dimmable
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CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SDFT209	2x9W	220V	3000K/6500K	0.9	1900	620x63x34	>85	44
SDFT218	2x18W	220V	3000K/6500K	0.9	3800	1220x63x34	>85	44



**LIFETIME**  
**50.000**  
**HOURS**

**WARRANTY**  
**3 YEAR**



**Characteristic:**

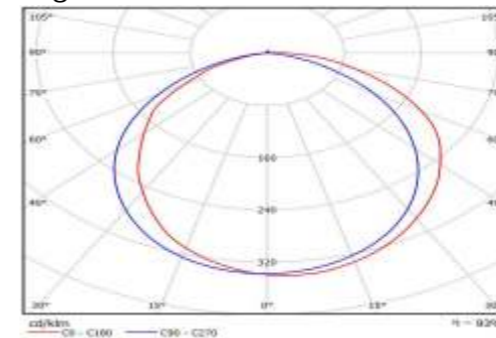
- Save 50% power consumption compared to traditional fluorescent tubes T5, T8.
- Lamp base is made of aluminum alloy and electrostatic coated tole.
- Dispersive mica lampshape pleasant colors and high lighting efficiency

**Application:**

Suitable for lighting installation of houses, restaurants, hotels, conference /meeting rooms, event venue, entertainment facilities, etc.

### SDLD840

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 120°	
Illuminance at Center	Beam Diameter
480 lux	6.4m
245 lux	12.8m
65 lux	19.1m
11 lux	25.5m

AC220V	50Hz	Tc(K) 3000K/6500K	Ra >85	Luminous Efficiency 110lm/W	CE	F	⊕	50000 (h)	RoHS compliant	Non-Dimmable
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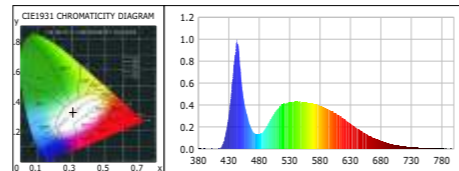
CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SDLD820	20W	220V	3000K/6500K	>0.7	2100	600x75x25	>85	44
SDLD830	30W	220V	3000K/6500K	>0.7	3200	900x75x25	>85	44
SDLD840	40W	220V	3000K/6500K	>0.7	4200	1200x75x25	>85	44





LIFETIME  
50.000  
HOURS

WARRANTY  
3 YEAR

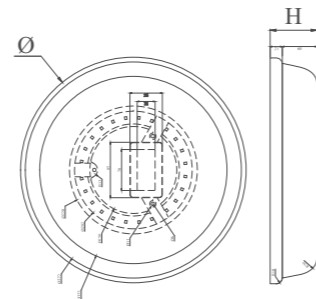


**Materials:**

- Lamp base and lampshade are made of high quality PC
- / O: opalescent lampshade. / P: crystal-clear lampshade. / W: white border. / N: brown border
- Using LED RING (12W-18W)

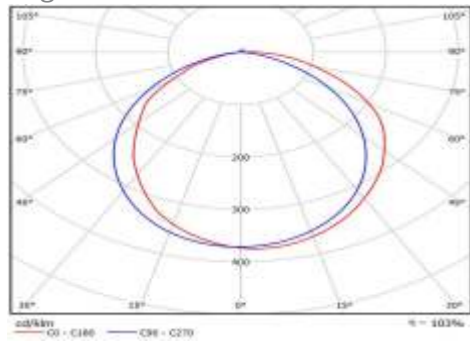
**Application:**

Suitable for hotels, workplaces, offices, houses, etc.



## SLKR18

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 114°

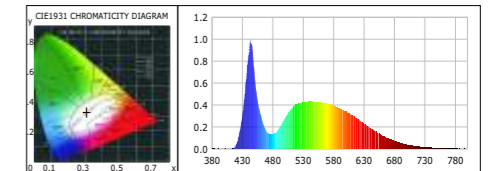
	Illuminance at Center	Beam Diameter
2m	85 lux	6.0m
4m	29 lux	12.0m
6m	13 lux	17.9m
8m	7 lux	23.9m

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SLKR12	12W	220V	3000K/6500K	>0.9	1150	300x60	>85	44
SLKR18	18W	220V	3000K/6500K	>0.9	1750	390x67	>85	44



LIFETIME  
50.000  
HOURS

WARRANTY  
3 YEAR

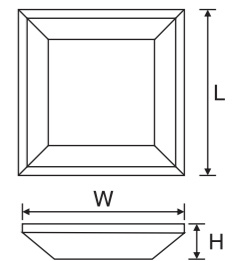


**Materials:**

- Lamp base and lampshade are made of high quality PC
- / O: opalescent lampshade. / P: crystal-clear lampshade. / W: white border. / N: brown border
- Using LED RING (12W-18W)

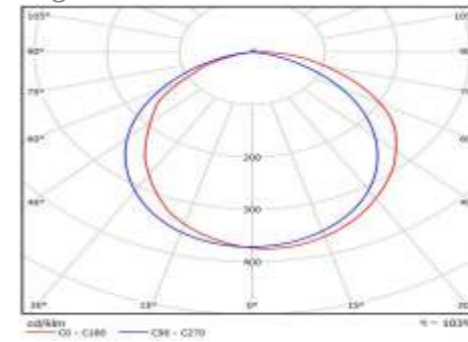
**Application:**

Suitable for hotels, workplaces, offices, houses, etc.



## SLKV18

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 114°

	Illuminance at Center	Beam Diameter
2m	85 lux	6.0m
4m	29 lux	12.0m
6m	13 lux	17.9m
8m	7 lux	23.9m

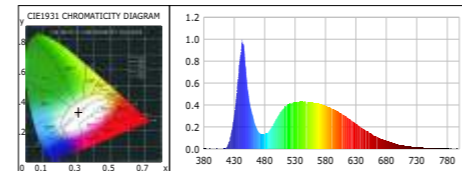
CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SLKV12	12W	220V	3000K/6000K	>0.7	1150	310x310x65	>85	44
SLKV18	18W	220V	3000K/6000K	>0.7	1750	360x360x65	>85	44





**LIFETIME**  
50.000  
HOURS

**WARRANTY**  
3 YEAR

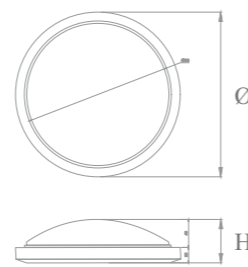


**Materials:**

- Lamp base and lampshade are made of high quality PC
- / O: opalescent lampshade. / P: crystal-clear lampshade. / W: white border. / N: brown border
- Using LED RING (12W-18W)

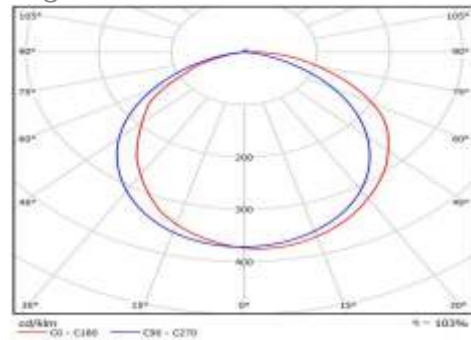
**Application:**

Suitable for hotels, workplaces, offices, houses, etc

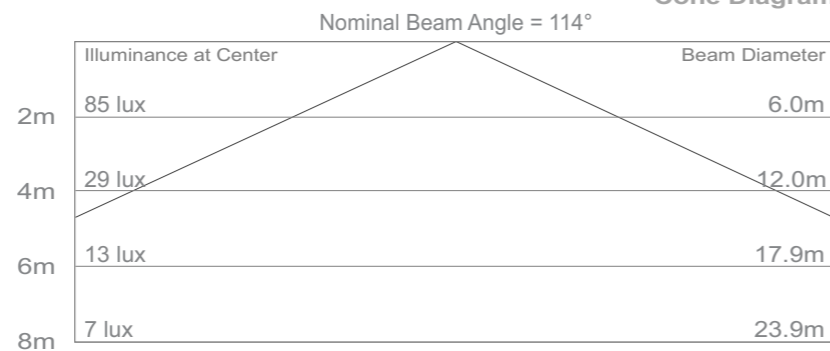


## SLSR18

**Light Distribution**

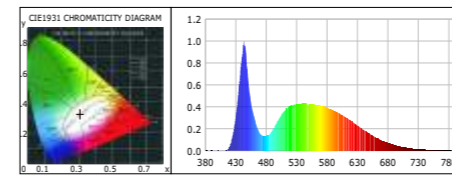
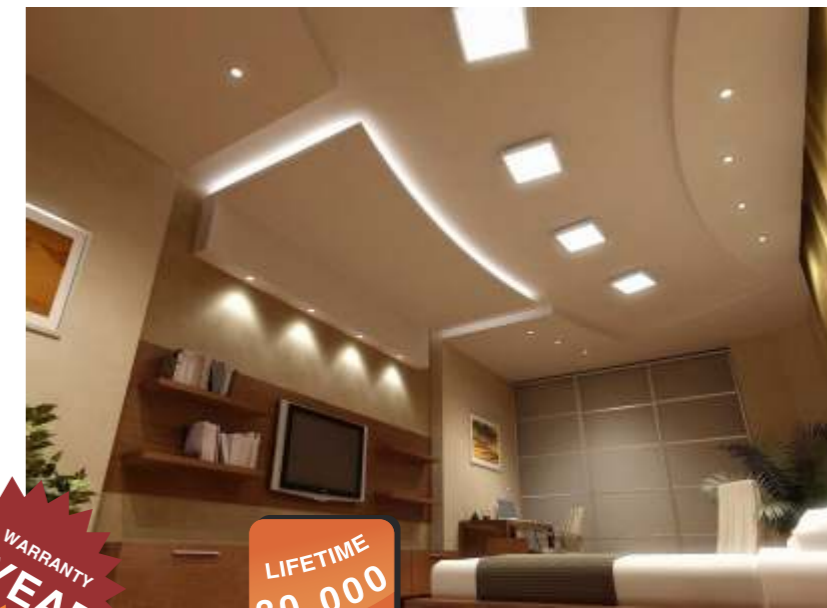


**Cone Diagram**



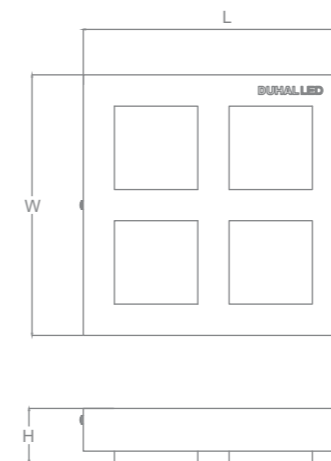
AC220V 50Hz Tc(K) 3000K-6500K Ra >85 Luminous Efficiency 110lm/W CE F E 50000 h ROHS Compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) ØxH	CRI	IP
SLSR12	12W	220V	3000K/6500K	>0.7	1150	270x94	>85	44
SLSR18	18W	220V	3000K/6500K	>0.7	1750	340x102	>85	44



**WARRANTY**  
3 YEAR

**LIFETIME**  
30.000  
HOURS



**Characteristic:**

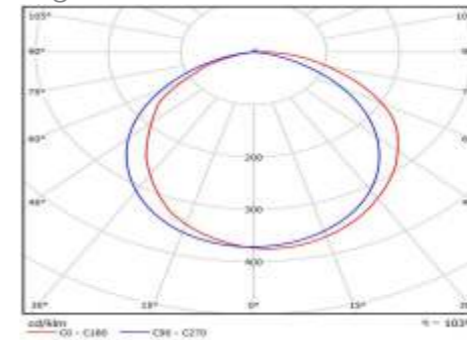
- Lamp base is made of electrostatic coated tole
- Dispersive mica lampshade pleasant colors and high lighting efficiency

**Application:**

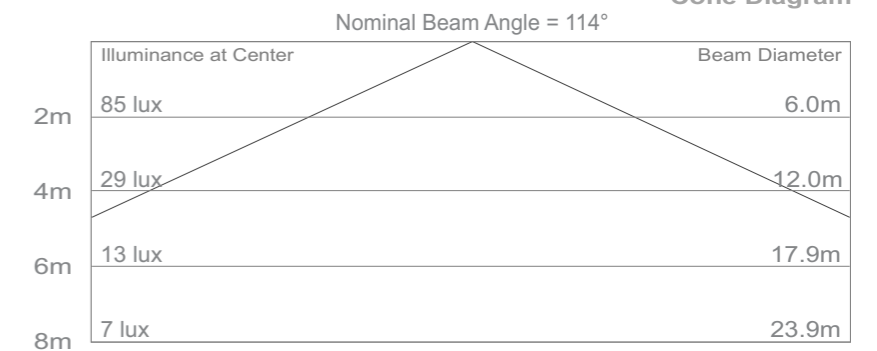
Suitable for houses, restaurants, hotels, conferences /meeting rooms, events, entertainment facilities, etc.

## SDGS216N

**Light Distribution**



**Cone Diagram**



AC220V 50Hz Tc(K) 3000K-6000K Ra >80 Luminous Efficiency 110lm/W CE F E 50000 h ROHS Compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) LxWxH	CRI	IP
SDGS216N	16W	220V	3000K/6000K	>0.7	1400	250x250x52	>80	44
SDGR216N	16W	220V	3000K/6000K	>0.7	1400	250x250x52	>80	44

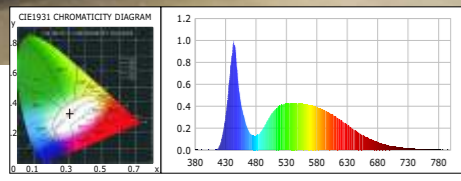




LIFETIME  
30.000  
HOURS



WARRANTY  
3 YEAR

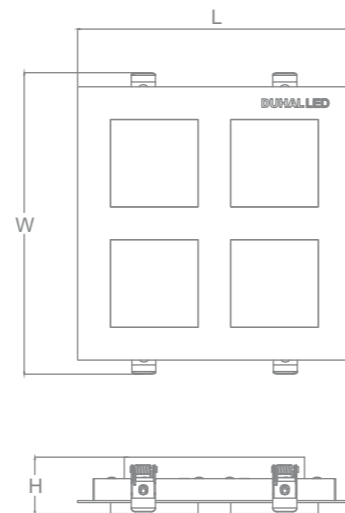


**Characteristic:**

- Lamp base is made of electrostatic coated tole
- Dispersive mica lampshape pleasant colors and high lighting efficiency

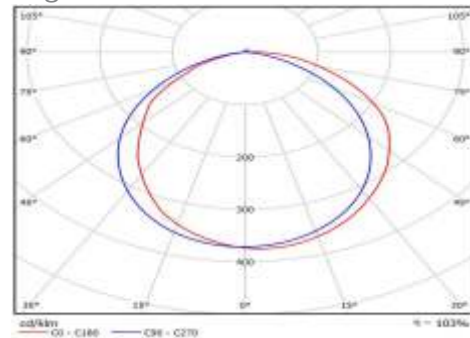
**Application:**

Suitable for houses, restaurants, hotels, conferences /meeting rooms, events, entertainment facilities, etc.



### SDGR216A

**Light Distribution**



**Cone Diagram**

	Beam Diameter	Illuminance at Center
2m	6.0m	85 lux
4m	12.0m	29 lux
6m	17.9m	13 lux
8m	23.9m	7 lux

AC220V 50Hz Tc(K) 3000K-6000K Ra >80 Luminous Efficiency 110lm/W CE F Non-Dimmable 50000 RoHS

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SDGS216A	16W	220V	3000K/6000K	>0.7	1400	265x250x55	>80	44
SDGR216A	16W	220V	3000K/6000K	>0.7	1400	265x250x55	>80	44



WARRANTY  
3 YEAR



LIFETIME  
50.000  
HOURS

**Characteristic:**

- Lamp base is made of aluminum alloy and electrostatic coated to increase the aesthetics of the building.
- Illuminated mica surface, high light coefficient.

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.

**Light Distribution**

**SDGT512 Cone Diagram**

Nominal Beam Angle = 120°

	Beam Diameter	Illuminance at Center
2m	6.0m	175 lux
4m	12.0m	69 lux
6m	17.9m	8 lux
8m	23.9m	5 lux

AC220V 50Hz Tc(K) 3000K/6500K Ra >85 Luminous Efficiency 110lm/W CE F Non-Dimmable 50000 RoHS

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CUT OUT Ø(mm)	CRI	IP
SDGT503	3W	220V	3000K/6500K	>0.7	330	91x22	75	>85	44
SDGT504	4W	220V	3000K/6500K	>0.7	450	105x22	90	>85	44
SDGT506	6W	220V	3000K/6500K	>0.7	650	120x22	105	>85	44
SDGT509	9W	220V	3000K/6500K	>0.7	950	150x22	132	>85	44
SDGT512	12W	220V	3000K/6500K	>0.7	1300	170x22	155	>85	44
SDGT515	15W	220V	3000K/6500K	>0.7	1600	192x22	175	>85	44
SDGT518	18W	220V	3000K/6500K	>0.7	1900	222x22	205	>85	44
SDGT524	24W	220V	3000K/6000K	>0.7	2450	300x22	275	>85	44





### Characteristic:

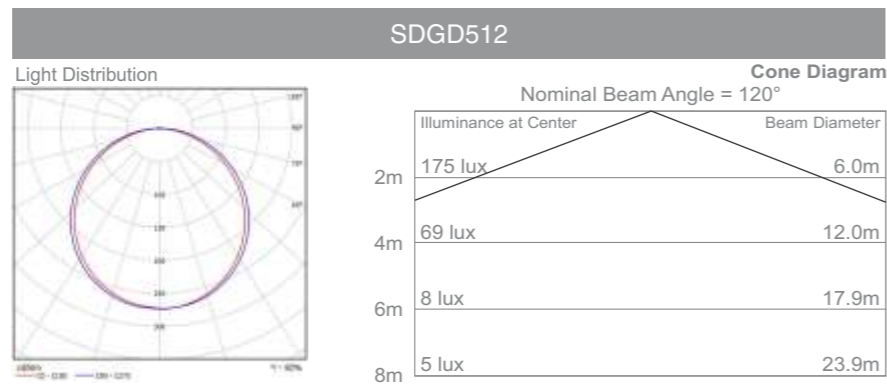
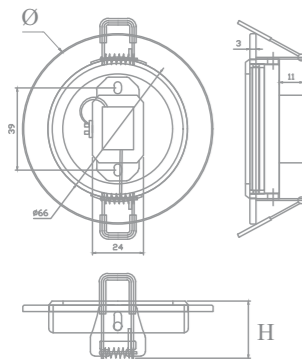
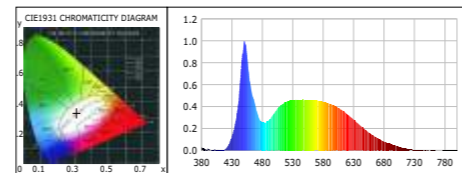
- Using Samsung LED chips with lifespan up to 50,000 hours.
- Saves 80% power consumption.
- Lamp base is made of aluminum alloy for heat dissipation, increase aesthetic for building.
- Illuminated mica surface, high light coefficient.

### Application:

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.

LIFETIME  
50.000  
HOURS

WARRANTY  
3 YEAR



AC220V 50Hz Tc(K) 3000K/6000K Ra >85 Luminous Efficiency 110lm/W CE F Grounding 50000 h ROHS compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CUT OUT Ø(mm)	CRI	IP
SDGD503	3W	220V	3000K/6500K	>0.7	330	91x30	80	>85	44
SDGD506	6W	220V	3000K/6500K	>0.7	650	120x30	110	>85	44
SDGD509	9W	220V	3000K/6500K	>0.7	950	147x30	135	>85	44
SDGD512	12W	220V	3000K/6500K	>0.7	1300	168x30	155	>85	44
SDGD515	15W	220V	3000K/6500K	>0.7	1600	190x30	180	>85	44
SDGD518	18W	220V	3000K/6500K	>0.7	1900	225x30	215	>85	44



LIFETIME  
30.000  
HOURS

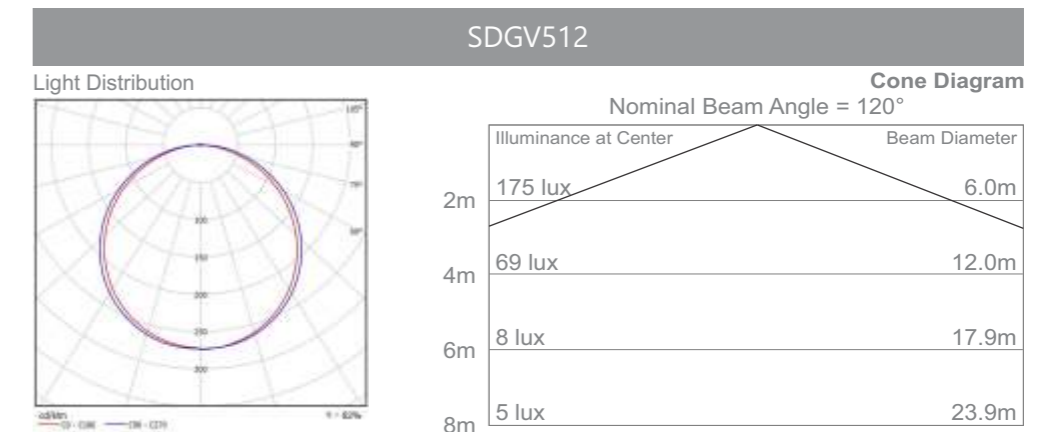
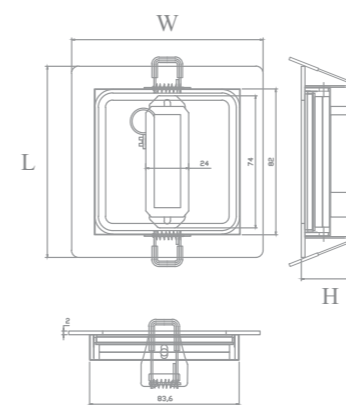
WARRANTY  
3 YEAR

### Characteristic:

- Lamp base is made of white aluminum alloy, color tole for heat dissipation, increase aesthetic for building.
- Illuminated mica surface, high light coefficient.

### Application:

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



AC220V 50Hz Tc(K) 3000K/6500K Ra >85 Luminous Efficiency 110lm/W CE F Grounding 50000 h ROHS compliant Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CUT OUT LxW(mm)	CRI	IP
SDGV503	3W	220V	3000K/6500K	>0.7	330	86x86x32	74x74	>85	44
SDGV506	6W	220V	3000K/6500K	>0.7	650	107x107x32	97x97	>85	44
SDGV509	9W	220V	3000K/6500K	>0.7	950	124x124x32	114x114	>85	44
SDGV512	12W	220V	3000K/6500K	>0.7	1300	145x145x32	135x135	>85	44
SDGV515	15W	220V	3000K/6500K	>0.7	1600	162x162x32	152x152	>85	44
SDGV518	18W	220V	3000K/6500K	>0.7	1900	183x183x32	171x171	>85	44





**3** BẢO HÀNH  
**3** NAM

LIFETIME  
**50.000**  
HOURS

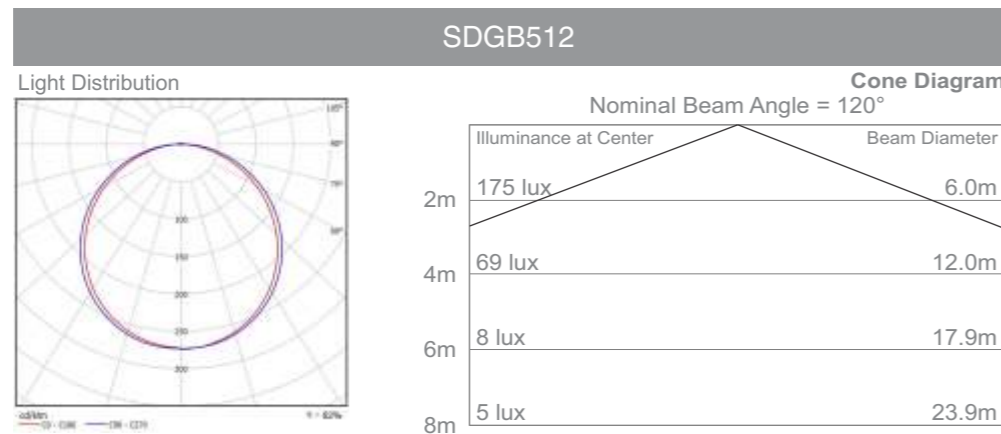
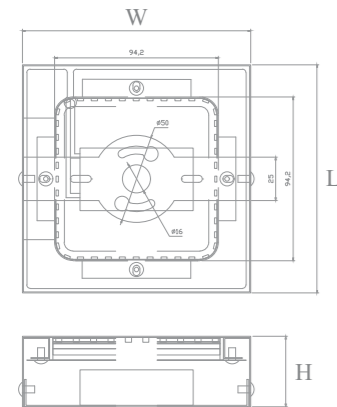


**Characteristic:**

- Lamp base is made of electrostatic coated aluminum alloy with good heat dissipation, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



AC220V 50Hz Tc(K) 3000K/6500K Ra >85 Luminous Efficiency 110lm/W CE F E (h) 50000 RoHS Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SDGB506	6W	220V	3000K/6500K	>0.7	650	120x120x40	>85	44
SDGB509	9W	220V	3000K/6500K	>0.7	950	130x130x40	>85	44
SDGB512	12W	220V	3000K/6500K	>0.7	1300	150x150x40	>85	44
SDGB515	15W	220V	3000K/6500K	>0.7	1600	180x180x40	>85	44
SDGB518	18W	220V	3000K/6500K	>0.7	1900	225x225x40	>85	44
SDGB524	24W	220V	3000K/6500K	>0.7	2450	300x300x40	>85	44



**3** BẢO HÀNH  
**3** NAM

LIFETIME  
**50.000**  
HOURS

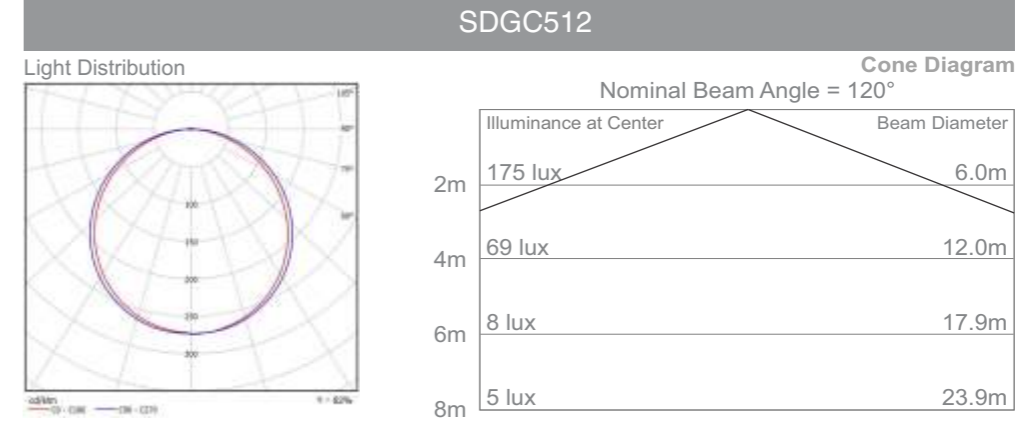
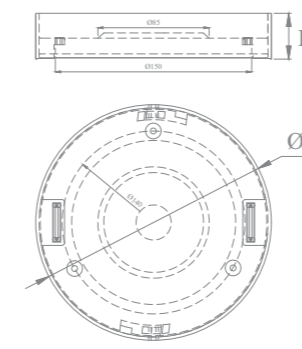


**Characteristic:**

- Lamp base is made of electrostatic coated tole with good heat dissipation, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



AC220V 50Hz Tc(K) 3000K/6500K Ra >85 Luminous Efficiency 110lm/W CE F E (h) 50000 RoHS Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS OxD (mm)	CRI	IP
SDGC506	6W	220V	3000K/6500K	>0.7	650	120x40	>85	44
SDGC509	9W	220V	3000K/6500K	>0.7	950	150x40	>85	44
SDGC512	12W	220V	3000K/6500K	>0.7	1300	175x40	>85	44
SDGC515	15W	220V	3000K/6500K	>0.7	1600	190x40	>85	44
SDGC518	18W	220V	3000K/6500K	>0.7	1900	225x40	>85	44
SDGC524	24W	220V	3000K/6500K	>0.7	2450	300x40	>85	44





LIFETIME  
30.000  
HOURS

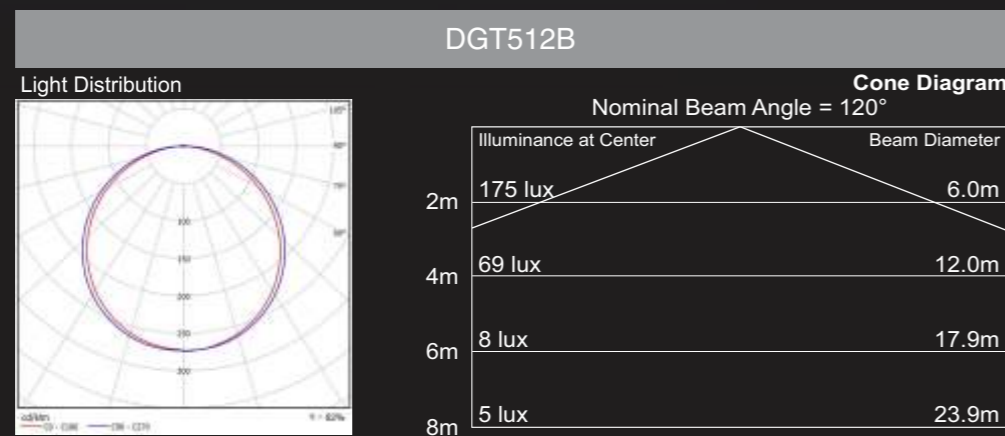
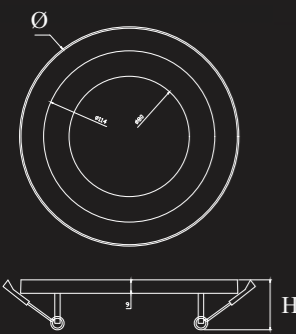
WARRANTY  
2 YEAR

### Characteristic:

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Having three integrated light modes:
- (1) WHITE (2) BLUE (3) COMBINATION OF THE TWO
- With only 1 switch, switch on-off-on the lamp will change color

### Application:

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) ØxH	CUT OUT (mm) Ø	CRI	IP
DGT503B	3W	220V	3000K/6000K	>0.7	280	105x33	75	>80	44
DGT506B	6W	220V	3000K/6000K	>0.7	570	145x33	105	>80	44
DGT512B	12W	220V	3000K/6000K	>0.7	1100	195x33	155	>80	44
DGT518B	18W	220V	3000K/6000K	>0.7	1700	245x33	210	>80	44



LIFETIME  
30.000  
HOURS

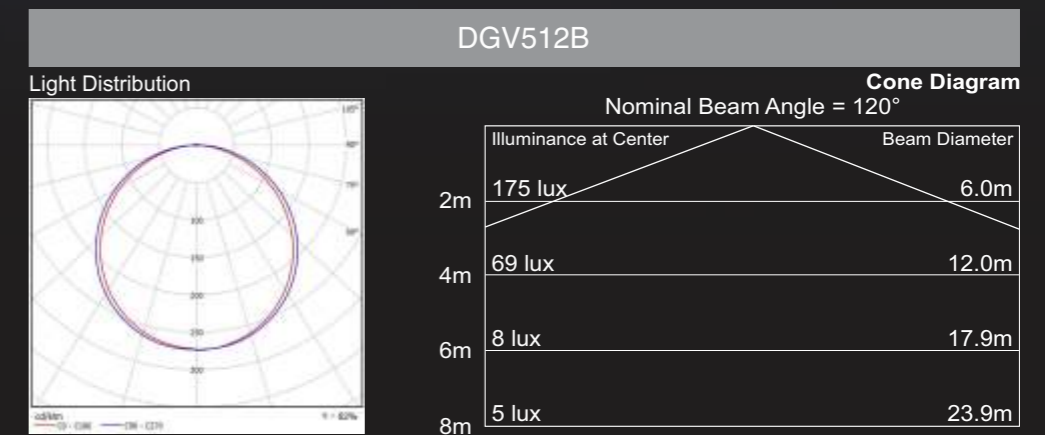
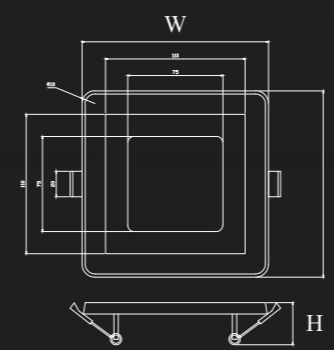
WARRANTY  
2 YEAR

### Characteristic:

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Having three integrated light modes:
- (1) WHITE (2) BLUE (3) COMBINATION OF THE TWO
- With only 1 switch, switch on-off-on the lamp will change color

### Application:

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm) LxWxH	CUT OUT (mm) Ø	CRI	IP
DGV503B	3W	220V	3000K/6000K	>0.7	280	105x105x33	75x75	>80	44
DGV506B	6W	220V	3000K/6000K	>0.7	570	145x145x33	105x105	>80	44
DGV512B	12W	220V	3000K/6000K	>0.7	1100	195x195x33	155x155	>80	44
DGV518B	18W	220V	3000K/6000K	>0.7	1700	245x245x33	210x210	>80	44



LIFETIME  
30.000  
HOURS

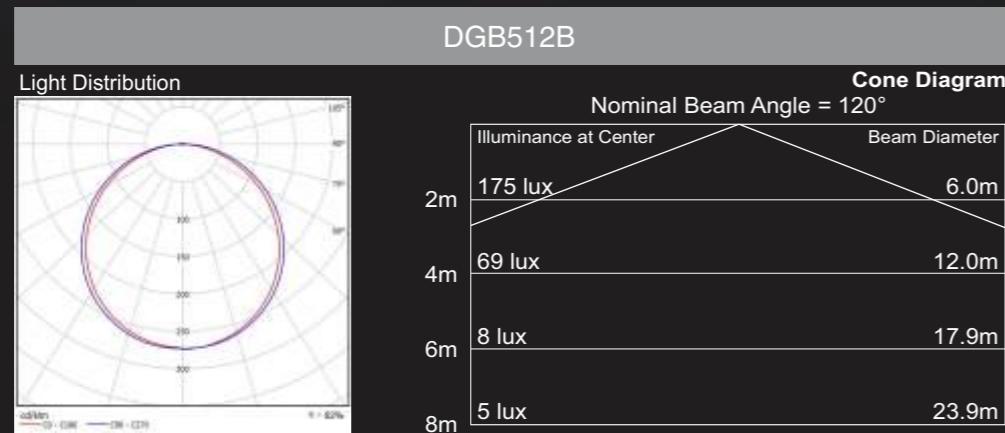
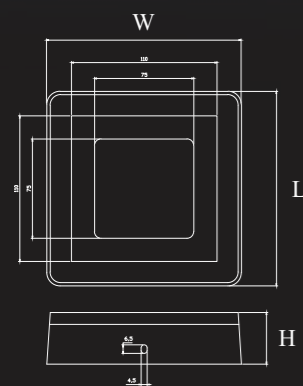
WARRANTY  
2 YEAR

**Characteristic:**

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Having three integrated light modes:
- (1) WHITE (2) BLUE (3) COMBINATION OF THE TWO
- With only 1 switch, switch on-off-on the lamp will change color

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



AC220V 50Hz 3000K/6000K Tc(K) >80 Ra Luminous Efficiency 110lm/W CE F Non-Dimmable 30000 (h) RoHS compliant

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
DGB503B	3W	220V	3000K/6000K	>0.7	280	150x105x39	>80	44
DGB506B	6W	220V	3000K/6000K	>0.7	570	145x145x39	>80	44
DGB512B	12W	220V	3000K/6000K	>0.7	1100	195x195x39	>80	44
DGB518B	18W	220V	3000K/6000K	>0.7	1700	245x245x39	>80	44



LIFETIME  
30.000  
HOURS

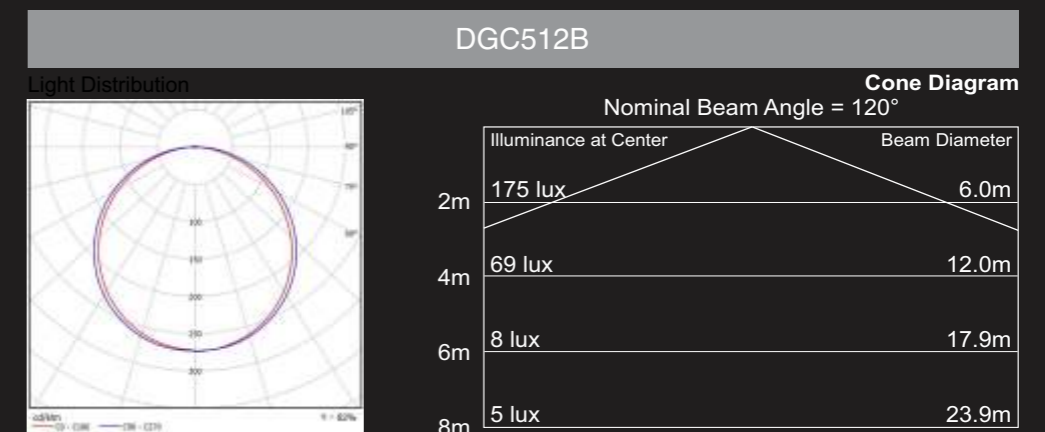
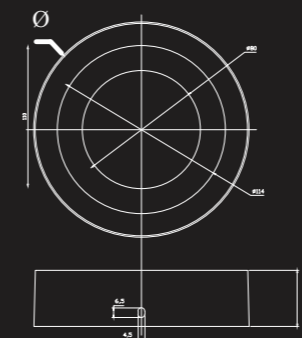
WARRANTY  
2 YEAR

**Characteristic:**

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Having three integrated light modes:
- (1) WHITE (2) BLUE (3) COMBINATION OF THE TWO
- With only 1 switch, switch on-off-on the lamp will change color

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



AC220V 50Hz 3000K/6000K Tc(K) >80 Ra Luminous Efficiency 110lm/W CE F Non-Dimmable 30000 (h) RoHS compliant

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
DGC503B	3W	220V	3000K/6000K	0.7	280	105x38	>80	44
DGC506B	6W	220V	3000K/6000K	0.7	570	145x38	>80	44
DGC512B	12W	220V	3000K/6000K	0.7	1100	195x38	>80	44
DGC518B	18W	220V	3000K/6000K	0.7	1700	245x38	>80	44



LIFETIME  
30.000  
HOURS

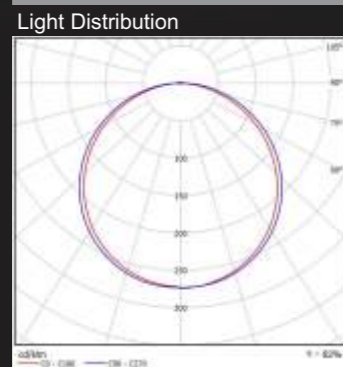
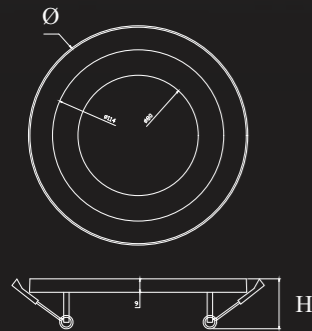
WARRANTY  
2 YEAR

### Characteristic:

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Using remote control with 16 color modes

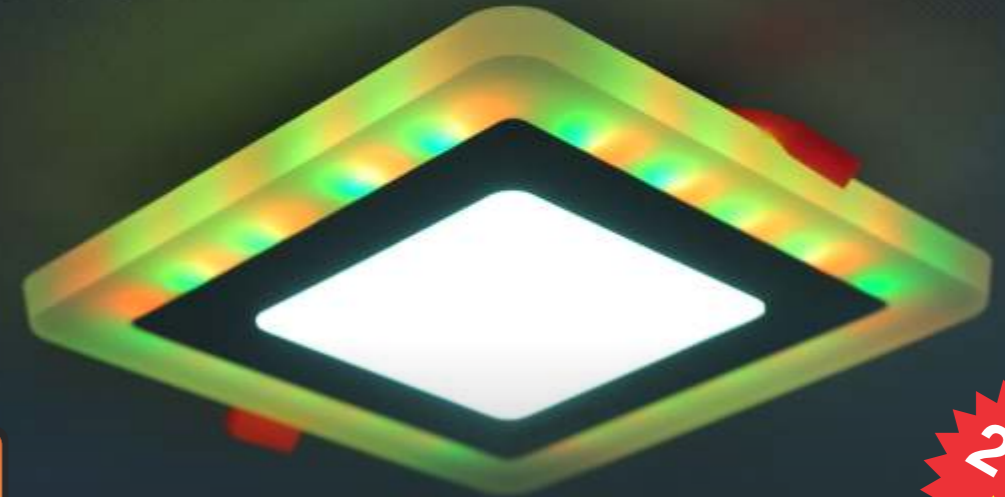
### Application:

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



DMT512		Cone Diagram	
Nominal Beam Angle = 120°			
Height (m)	Illuminance at Center (lux)	Beam Diameter (m)	
2m	175 lux	6.0m	
4m	69 lux	12.0m	
6m	8 lux	17.9m	
8m	5 lux	23.9m	

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm)	CUT OUT (mm)	CRI	IP
DMT503	3W	220V	3000K/6000K	>0.7	250	105x33	75	>80	44
DMT506	6W	220V	3000K/6000K	>0.7	490	145x33	105	>80	44
DMT512	12W	220V	3000K/6000K	>0.7	1050	195x33	155	>80	44
DMT518	18W	220V	3000K/6000K	>0.7	1510	245x33	210	>80	44



LIFETIME  
30.000  
HOURS

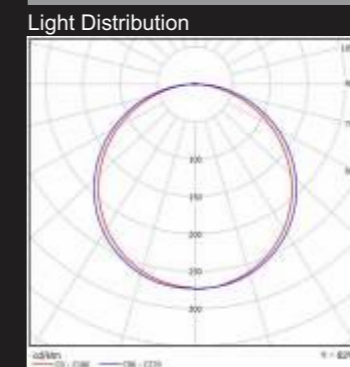
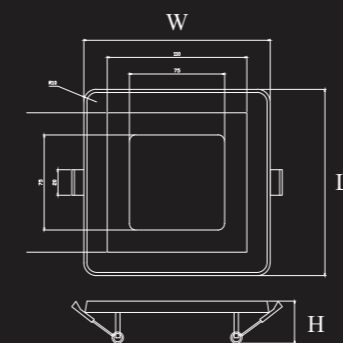
WARRANTY  
2 YEAR

### Characteristic:

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Using remote control with 16 color modes

### Application:

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



DMV512		Cone Diagram	
Nominal Beam Angle = 120°			
Height (m)	Illuminance at Center (lux)	Beam Diameter (m)	
2m	175 lux	6.0m	
4m	69 lux	12.0m	
6m	8 lux	17.9m	
8m	5 lux	23.9m	

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS (mm)	CUT OUT (mm)	CRI	IP
DMV503	3W	220V	3000K/6000K	>0.7	260	105x105x33	75x75	>80	44
DMV506	6W	220V	3000K/6000K	>0.7	500	145x145x33	105x105	>80	44
DMV512	12W	220V	3000K/6000K	>0.7	1050	195x195x33	155x155	>80	44
DMV518	18W	220V	3000K/6000K	>0.7	1520	245x245x33	210x210	>80	44



LIFETIME  
**30.000**  
HOURS

WARRANTY  
**2 YEAR**

**Characteristic:**

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Using remote control with 16 color modes

**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



LIFETIME  
**30.000**  
HOURS

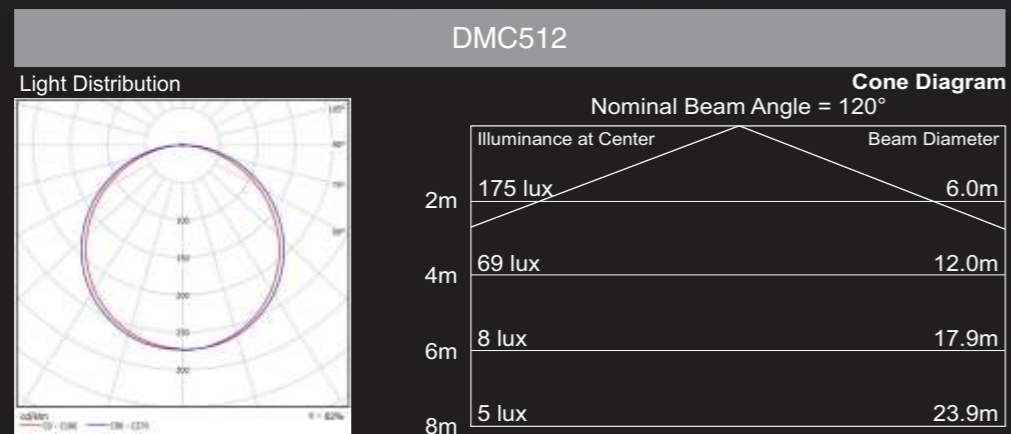
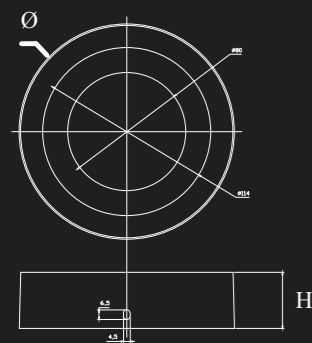
WARRANTY  
**2 YEAR**

**Characteristic:**

- Lamp base is made of electrostatic coated aluminum and illuminated mica border, increasing the aesthetics of building.
- Illuminated mica surface, high light coefficient
- Using remote control with 16 color modes

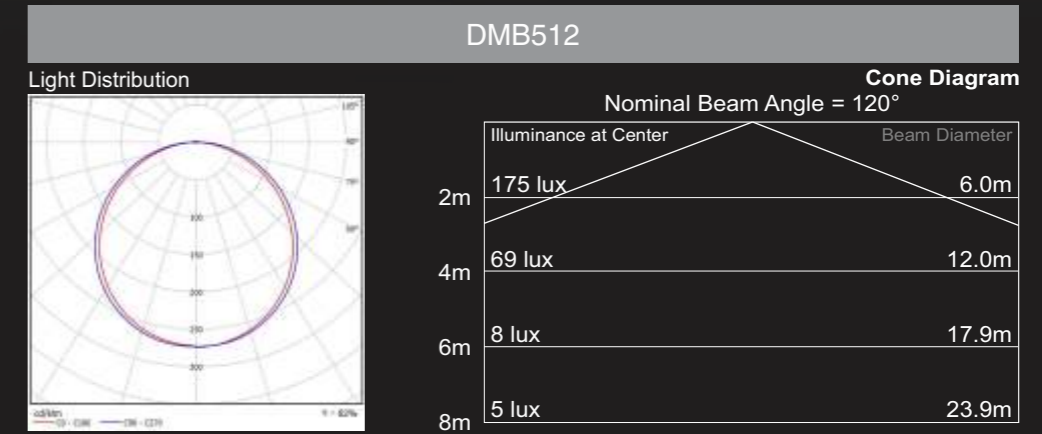
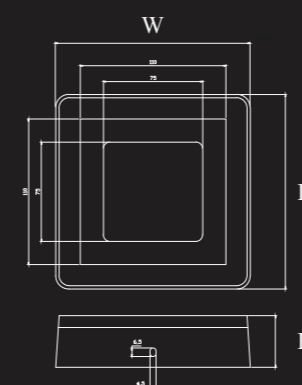
**Application:**

Suitable for houses, offices, restaurants, hotels, showrooms, shops, etc.



AC220V 50Hz 3000K/6000K Tc(K) Ra >80 Luminous Efficiency 110lm/W CE F Dimmable 30000 h RoHS compliant

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
DMC503	3W	220V	3000K/6000K	>0.7	250	105x38	>80	44
DMC506	6W	220V	3000K/6000K	>0.7	490	145x38	>80	44
DMC512	12W	220V	3000K/6000K	>0.7	1000	195x38	>80	44
DMC518	18W	220V	3000K/6000K	>0.7	1510	245x38	>80	44



AC220V 50Hz 3000K/6000K Tc(K) Ra >80 Luminous Efficiency 110lm/W CE F Dimmable 30000 h RoHS compliant

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
DMB503	3W	220V	3000K/6000K	>0.7	260	105x105x39	>80	44
DMB506	6W	220V	3000K/6000K	>0.7	500	145x145x39	>80	44
DMB512	12W	220V	3000K/6000K	>0.7	1050	195x195x39	>80	44
DMB518	18W	220V	3000K/6000K	>0.7	1520	245x245x39	>80	44



LIFETIME  
50.000  
HOURS

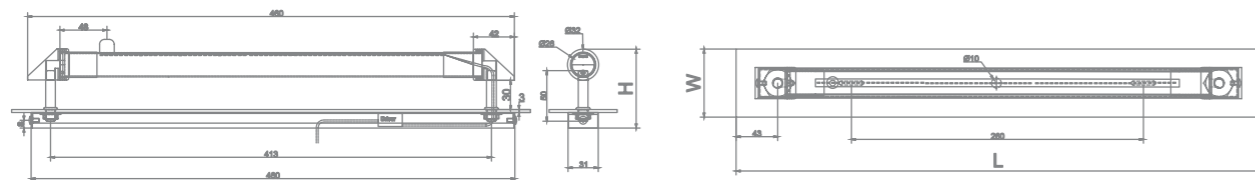


**Characteristic:**

- Lamp base is made of aluminum with modern design
- Adjustable illumination angle
- Using Samsung LED chips with lifespan up to 50,000 hours
- No ultraviolet, infrared. Energy saving
- Advanced LED technology, uniformed brightness, brilliant light

**Application:**

- Picture/ painting lighting, products displaying, mirror, etc.

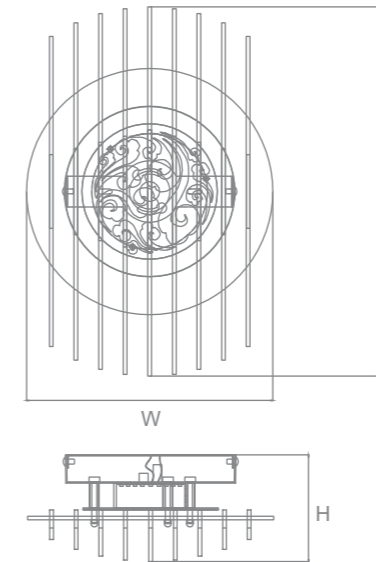


AC220V	50Hz	Tc(K) 3000K/6500K	Ra >85	Luminous Efficiency 110lm/W	CE	F	50000 (h)	RoHS	Non-Dimmable
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CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SDST506	6W	220V	3000K/6500K	>0.9	630	500x70x80	>85	44



LIFETIME  
30.000  
HOURS



**Characteristics:**

- LED wall lights are used to replace other wall lights.
- Special optical design, variety of designs for high transmission coefficient.
- Use decorative lighting, highlighting space, interior and exterior works.

**Application:**

- Climbing the corridor decoration works, civil houses, hotels restaurants, supermarkets, ...

AC220V	50Hz	Tc(K) 3000K/6000K	Ra >80	Luminous Efficiency 110lm/W	CE	F	30000 (h)	RoHS	Non-Dimmable
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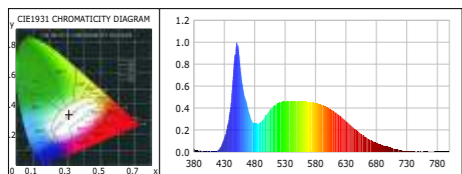
CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
DHV204	4W	220V	3000K/6000K	>0.7	500	300x200x100	>80	44





LIFETIME  
50.000  
HOURS

WARRANTY  
3 YEAR

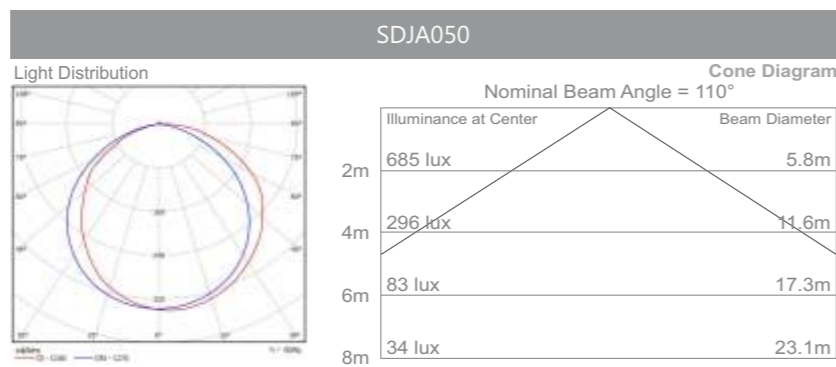
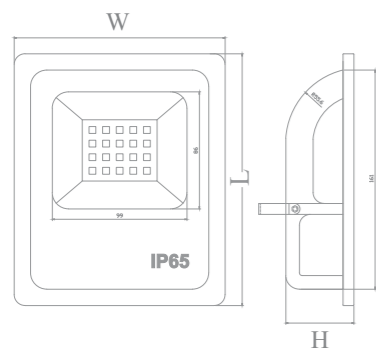


### Characteristic:

- Providing focused and oriented light beam. Suitable for illuminating objects and spaces that need to be highlighted.
- Using Samsung LED chips with lifespan up to 50,000 hours
- Brilliant light, no shake, no flickering, instant start
- Brilliant light, no shake, no flickering, instant start
- Stable lighting. LED flood light's heat radiation is lower than traditional flood light
- Dustproof, waterproof standard Ip65
- Wide projection angle 110°

### Application:

Widely used for signs, trees, public works, monuments, theaters, etc.



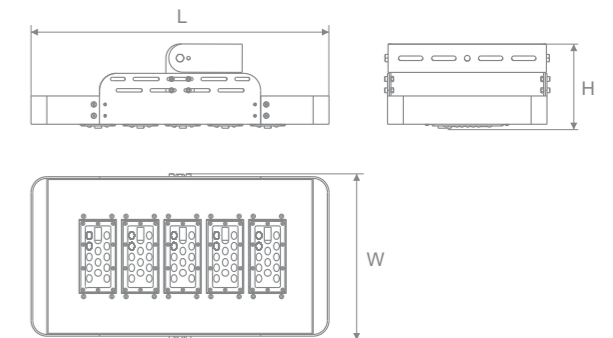
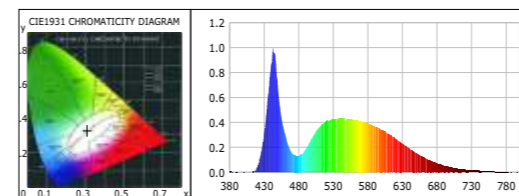
AC220V 50Hz 3000K/6500K Tc(K) >85 Ra Luminous Efficiency 125lm/W CE F 50000 (h) RoHS Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SDJA010	10W	220V	3000K/6500K	>0.9	1300	135x115x38	>85	65
SDJA020	20W	220V	3000K/6500K	>0.9	2600	197x140x45	>85	65
SDJA030	30W	220V	3000K/6500K	>0.9	3800	239x185x53	>85	65
SDJA050	50W	220V	3000K/6500K	>0.9	6300	286x240x62	>85	65
SDJA100	100W	220V	3000K/6500K	>0.9	12500	370x295x75	>85	65
SDJA150	150W	220V	3000K/6500K	>0.9	18900	425x326x160	>85	65
SDJA200	200W	220V	3000K/6500K	>0.9	25200	515x316x165	>85	65



LIFETIME  
50.000  
HOURS

WARRANTY  
5 YEAR

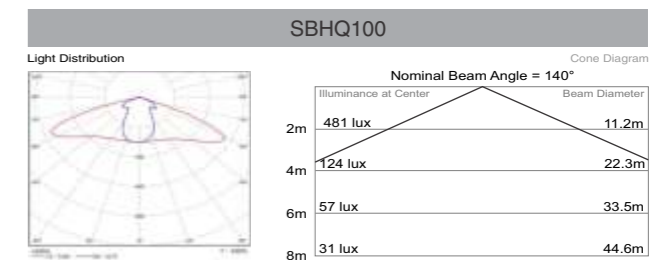


### Characteristics:

- Aluminum alloy housing, good heat dissipation, electrostatic coated and anti-corrosion surface.
- Using high performance LED chip for good quality and natural light.
- Saves 80% power consumption compared to common high pressure lamps.
- Dustproof, waterproof standard IP65
- Instant start, no flickering

### Application:

Suitable for warehouses, workshops, factories, stadiums, etc.



AC220V 50Hz 5700K Tc(K) >85 Ra Luminous Efficiency 140lm/W CE F 50000 (h) RoHS Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SBHQ80	80W	220V	5700K	0.9	11400	470x336x148	>85	65
SBHQ100	100W	220V	5700K	0.9	14200	470x336x148	>85	65
SBHQ120	100W	220V	5700K	0.9	17100	470x336x148	>85	65
SBHQ150	150W	220V	5700K	0.9	21000	555x336x148	>85	65
SBHQ180	180W	220V	5700K	0.9	24800	632x336x148	>85	65
SBHQ240	240W	220V	5700K	0.9	34200	555x385x148	>85	65
SBHQ300	300W	220V	5700K	0.9	42500	632x385x148	>85	65
SBHQ360	360W	220V	5700K	0.9	51000	706x385x148	>85	65
SBHQ500	500W	220V	5700K	0.9	70500	865x505x148	>85	65



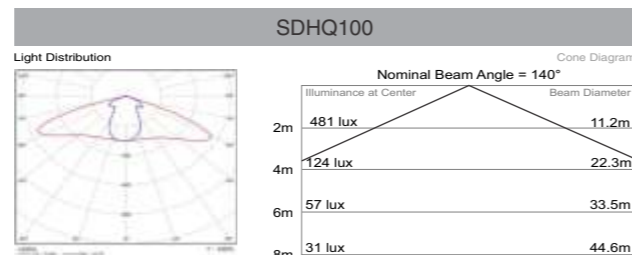
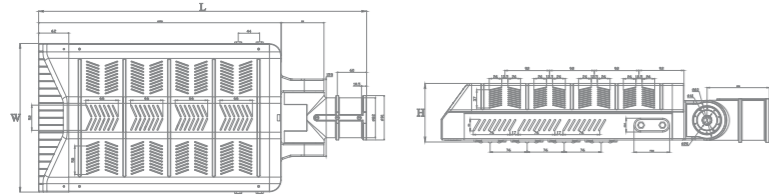
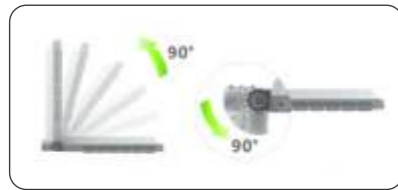
**LED STREETLIGHT**



**WARRANTY 5 YEAR**

**LIFETIME 30.000 HOURS**

- Anodized aluminum alloy housing, high thermal conductivity coefficient, high heat dissipation, increasing lifespan of light while maintaining the quality of illumination.
- Reflector is designed for focused lighting, increasing lighting efficiency
- Saving energy, low heat radiation
- Instant start. Do not need start up time as traditional high pressure lamps.



AC220V 50Hz Tc(K) 5700K Ra >85 Luminous Efficiency 140lm/W CE F 50.000 (h) RoHS Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
SDHQ80	80W	220V	5700K	>0.9	11400	674x315x122	>80	65
SDHQ100	100W	220V	5700K	>0.9	14200	674x315x122	>80	65
SDHQ120	120W	220V	5700K	>0.9	17100	674x315x122	>80	65
SDHQ150	100W	220V	5700K	>0.9	21000	820x315x122	>80	65
SDHQ180	120W	220V	5700K	>0.9	24800	812x315x122	>80	65
SDHQ240	100W	220V	5700K	>0.9	34200	877x315x115	>80	65

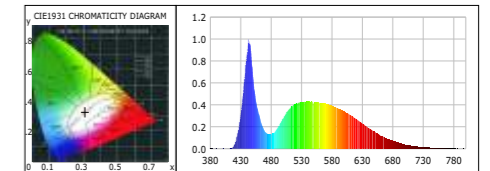


**HIGH BAY LED LIGHT**

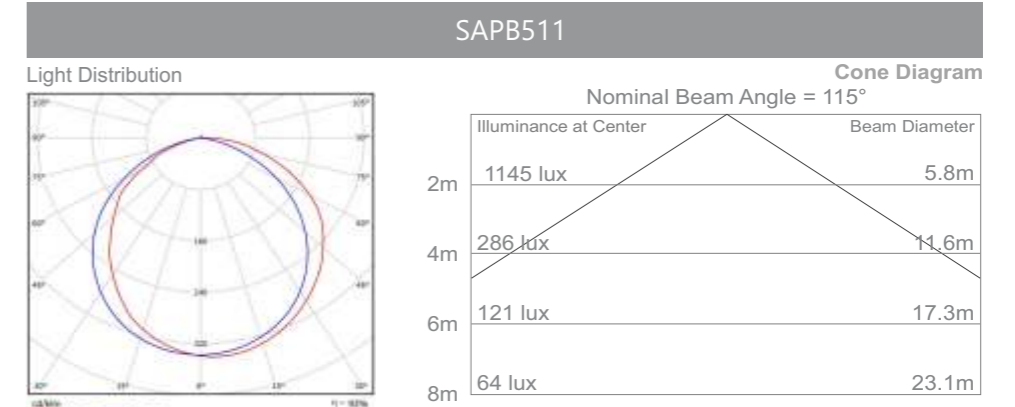
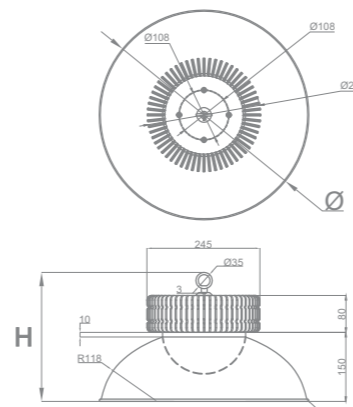


**WARRANTY 3 YEAR**

**LIFETIME 50.000 HOURS**



- Anodized aluminum housing, high light coefficient, advanced heat dissipation design, increasing lifespan of light while maintaining the quality of illumination.
- Reflector is designed for focused lighting, increasing lighting efficiency
- Saving energy, low heat radiation
- Instant start. Do not need start up time as traditional high pressure lamps.



AC220V 50Hz Tc(K) 3000K/6500K Ra >85 Luminous Efficiency 110lm/W CE F 50000 (h) RoHS Non-Dimmable

CODE	POWER	VOLTAGE	COLOR TEMPERATURE	POWER FACTOR	LUMINOUS FLUX (lm)	DIMENSIONS ØxH (mm)	CRI	IP
SAPB505	20W	220V	3000K/6500K	>0.9	2100	260x150	>85	44
SAPB506	30W	220V	3000K/6500K	>0.9	3100	300x150	>85	44
SAPB507	50W	220V	3000K/6500K	>0.9	5200	350x170	>85	44
SAPB508	80W	220V	3000K/6500K	>0.9	8200	380x200	>85	44
SAPB509	100W	220V	3000K/6500K	>0.9	11000	380x220	>85	44
SAPB510	120W	220V	3000K/6500K	>0.9	12200	400x220	>85	44
SAPB511	150W	220V	3000K/6500K	>0.9	17000	455x280	>85	44
SAPB512	200W	220V	3000K/6500K	>0.9	21000	455x280	>85	44



**25** hour

WARRANTY  
**2** YEAR

- Duration of use: 25 hours
- Save 80% power consumption
- Characteristic:
  - Water proof, able to operate under the rain.
  - Registered for exclusive industrial designs.
  - Replaceable battery
  - Having protection system for overloaded load
  - Charger LED, self-disconnect when fully charged
  - 360\* glowing
- Warranty:
  - Led lamp: 2 years
  - Battery, circuit board: not warranted

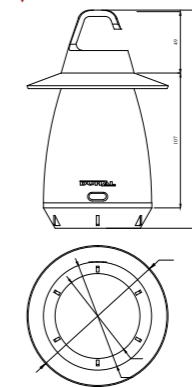
- Technical parameter:
- Light source: 40 pcs of LED chip 2835.
  - Luminous flux: 480lm.
  - Power: 7W.
  - Operation time: High for first 8hs - Low for 25hs.
  - Color temperature: 6000K.
  - Bright mode: High - Low.
  - Charging time: 10h - 12h.
  - Charging voltage: 220V / 50Hz.



CODE	POWER	VOLTAGE	COLOR TEMPERATURE	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
DET20	7W	220V	4000K/6000K	480	150x100x300	>80	54



WARRANTY  
**2** YEAR



CODE	POWER	COLOR TEMPERATURE	LUMINOUS FLUX (lm)	DIMENSIONS LxWxH (mm)	CRI	IP
DET15	0.5W	4000K/6000K	70	112x175	80	54



STUDYING



RELAXING



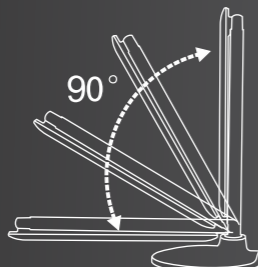
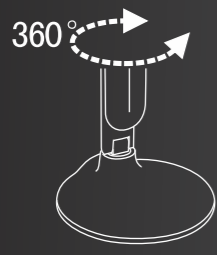
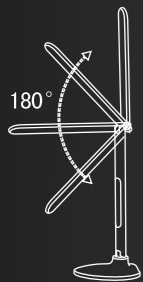
READING



COOL LIGHT

WARM LIGHT

DAY LIGHT



**DESIGNED FOR  
FLEXIBLE FOLDING**



# LED STRIP



- Using led chip 5050
- Power: 6W/m
- Luminous flux: 550lm/m
- Voltage: 220W

\* Product is not included driver, connector

Characteristic:

- Save up to 70% electricity compared to Neon-sign
- Wire is enclosed by a durable plastic cover
- Long lifespan, low temperature
- Small size, compact, easy to install
- Waterproof IP65.
- Convenient to cut, easy to shape

Application:

Suitable for houses, restaurants, hotels, shops, events decoration.

- LDD01: Red light
- LDV01: Yellow light
- LDT01: White light
- LDH01: Pink light

- LDL01: Green light
- LDL02: Blue light
- LDT02: Purple light
- LDM01: RGB light
- DCC001: RGB light



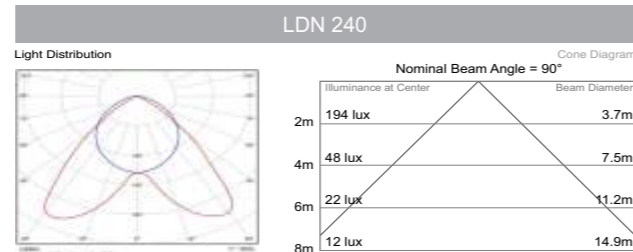
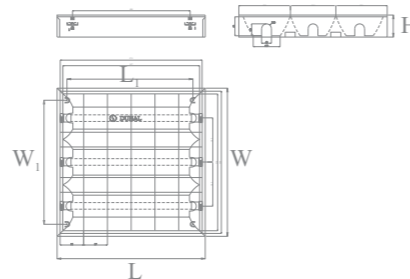


**Characteristics:**

- Housing is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment.
- Aluminum stripe. 99.89% pure aluminum reflector which was anodized by German technology for high reflectivity
- Using T8 Led tube
- Lamp base is made of high quality PC plastic, keep the light stable.

**Warranty:**

- Light trough: 5 years.
- T8 led tube (Samsung chip): 02 years.
- Electromagnetic Ballast: 02 years



CODE	LED	POWER	L (mm)	W (mm)	H (mm)	L <sub>1</sub> (mm)	W <sub>1</sub> (mm)
LDN 120	LDN109	1x9W	610	190	85	555	150
LDN 220	LDN209	2x9W	610	300	85	555	255
LDN 320	LDN309	3x9W	610	610	85	555	555
LDN 420	LDN409	4x9W	610	610	85	555	555
LDN 6220	LDN6209	2x9W	610	610	85	555	555
LDN 140	LDN118	1x18W	1220	190	85	1160	150
LDN 240	LDN218	2x18W	1220	300	85	1160	255
LDN 340	LDN318	3x18W	1220	610	85	1160	555
LDN 440	LDN418	4x18W	1220	610	85	1160	555
LDN 6240	LDN6218	2x18W	1220	610	85	1160	555

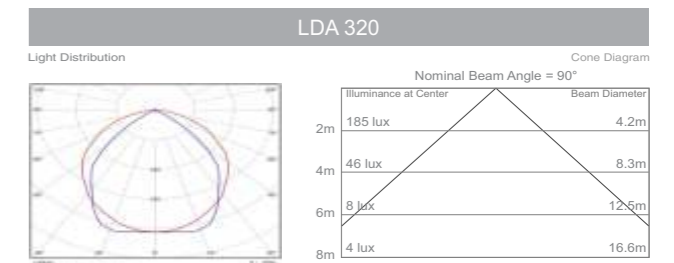
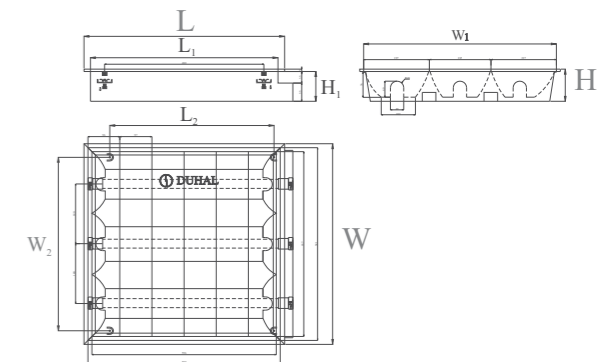


**Characteristics:**

- Housing is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment.
- Parabolic reflector made of pure aluminum reflector which was anodized by German technology for high reflectivity. Reflective performance is higher than 90%
- Using electromagnetic ballast or electronic ballast
- Using T8 Led tube (no ballast needed)
- Lamp base is made of high quality PC plastic, keep the light stable

**Warranty:**

- Light trough: 5 years.
- T8 led tube (Samsung chip): 02 years.
- Electromagnetic Ballast: 01 years



CODE	LED	POWER	L (mm)	W (mm)	H (mm)	L <sub>2</sub> (mm)	W <sub>2</sub> (mm)
LDA 120	LDA109	1x9W	605	185	95	555	110
LDA 220	LDA209	2x9W	605	300	93	555	185
LDA 320	LDA309	3x9W	605	605	93	555	495
LDA 420	LDA409	4x9W	605	605	93	555	495
LDA 6220	LDA6209	2x9W	605	605	93	555	495
LDA 140	LDA118	1x18W	1215	185	95	1160	110
LDA 240	LDA218	2x18W	1215	300	93	1160	185
LDA 340	LDA318	3x18W	1215	605	93	1160	495
LDA 440	LDA418	4x18W	1215	605	93	1160	495
LDA 6240	LDA6218	2x18W	1215	605	93	1160	495





**Material:**

- Electrostatic coated reflector for light dispersion, no glare, optimum illumination, and energy efficiency

- Lamp base is made of heat-resistant and fireproof plastic

Lamp tube:

- Use T8 LED tube (9W-18W) or T8 fluorescent tube (18W-36W)

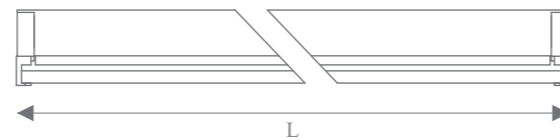
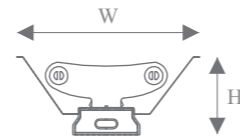
- Input voltage: 220V-50Hz

**Warranty:**

- Light trough: 5 years.

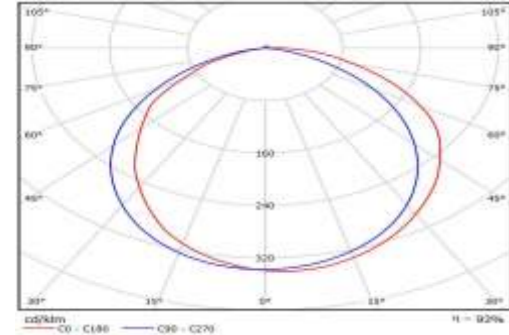
- Led tube: 02 years.

- Electromagnetic Ballast: 02 years



DTJ240

**Light Distribution**



**Cone Diagram**  
Nominal Beam Angle = 120°

	Illuminance at Center	Beam Diameter
2m	489 lux	6.4m
4m	251 lux	12.8m
6m	68 lux	19.1m
8m	12 lux	25.5m

CODE	POWER	L (mm)	W (mm)	H (mm)
DTJ120	1x9W	615	130	62
DTJ220	2x18W	615	150	62
DTJ140	1x18W	1225	130	64
DTJ240	2x18W	1225	150	64



**Material:**

- Reflecting reflector for focused light, no glare, optimum illumination, and energy efficiency

- Lamp base is made of heat-resistant and fireproof plastic

Lamp tube:

- Use T8 LED tube (9W-18W)

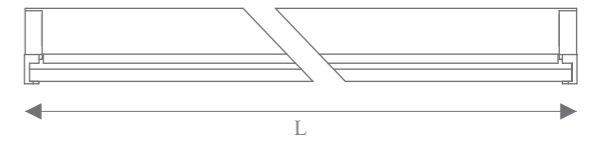
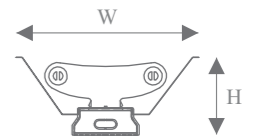
- Input voltage: 220V-50Hz

**Warranty:**

- Light trough: 5 years.

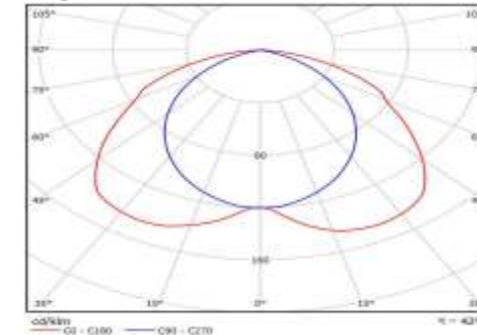
- Led tube: 02 years.

- Electromagnetic Ballast: 02 years



QDV 240/S

**Light Distribution**



**Cone Diagram**  
Nominal Beam Angle = 115°

	Illuminance at Center	Beam Diameter
2m	183 lux	7.5m
4m	71 lux	14.9m
6m	13 lux	22.4m
8m	5 lux	29.8m

CODE	POWER	L (mm)	W (mm)	H (mm)
DLJ120	1x9W	615	130	62
DLJ220	2x18W	615	150	62
DLJ140	1x18W	1225	130	64
DLJ240	2x18W	1225	150	64





**Material:**

- Light trough is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment

- Lamp base is made of heat-resistant and fireproof plastic

Lamp tube:

- Use T8 LED tube (9W-18W) or T8 fluorescent tube (18W-36W)

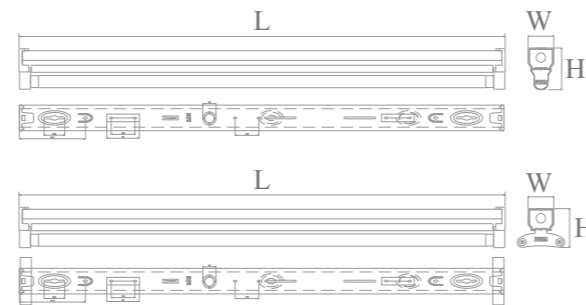
- Input voltage: 220V-50Hz

**Warranty:**

- Light trough: 5 years.

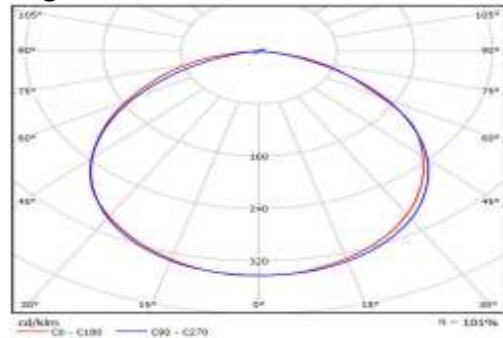
- Led tube: 02 years.

- Electromagnetic Ballast: 02 years



LTF 140

**Light Distribution**



Nominal Beam Angle = 170°

Height	Illuminance at Center	Beam Diameter
2m	275 lux	6.4m
4m	148 lux	12.8m
6m	19 lux	19.1m
8m	10 lux	25.5m

CODE	LED	POWER	L (mm)	W (mm)	H (mm)	H <sub>i</sub> (mm)
LTF 120	LTF109	9W	612	55	91	42
LTF 140	LTF118	18W	1222	55	91	42
LTF 220	LTF209	2x9W	612	95	91	42
LTF 240	LTF218	2x18W	1222	95	91	42



**Material:**

- Light trough is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment

- Lamp base is made of heat-resistant and fireproof plastic

Lamp tube:

- Use T8 LED tube (9W-18W) or T8 fluorescent tube (18W-36W)

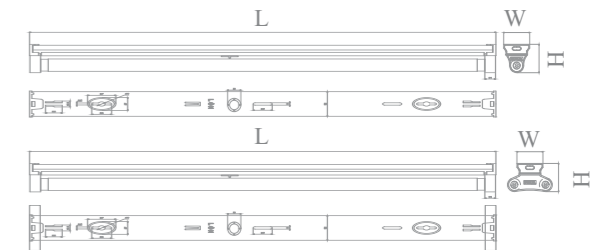
- Input voltage: 220V-50Hz

**Warranty:**

- Light trough: 5 years.

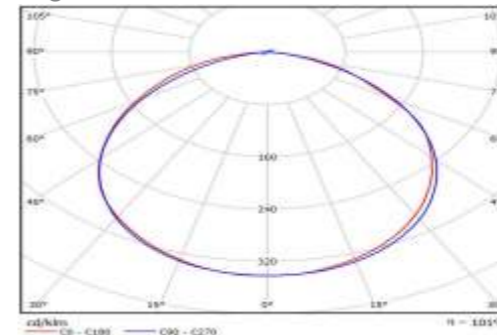
- Led tube: 02 years.

- Electromagnetic Ballast: 02 years



DTF 140

**Light Distribution**



Nominal Beam Angle = 170°

Height	Illuminance at Center	Beam Diameter
2m	275 lux	6.4m
4m	148 lux	12.8m
6m	19 lux	19.1m
8m	10 lux	25.5m

CODE	LED	POWER	L (mm)	W (mm)	H (mm)	H <sub>i</sub> (mm)
DTF 120	DTF109	9W	612	56	60	25
DTF 140	DTF118	18W	1222	56	60	25
DTF 220	DTF209	2x9W	612	95	60	25
DTF 240	DTF218	2x18W	1222	95	60	25





**WARRANTY 5 YEAR**



**Material:**

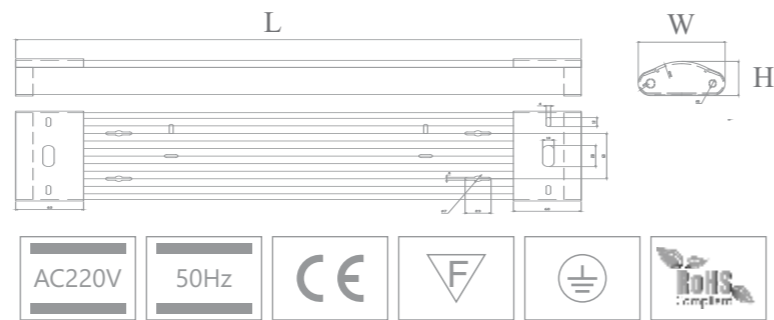
- Light trough is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment
- Lamp base is made of heat-resistant and fireproof plastic
- /S: high-class plastic lampshape, /P: mica lampshape

**Lamp tube:**

- Use T8 LED tube (9W-18W)
- Input voltage: 220V-50Hz

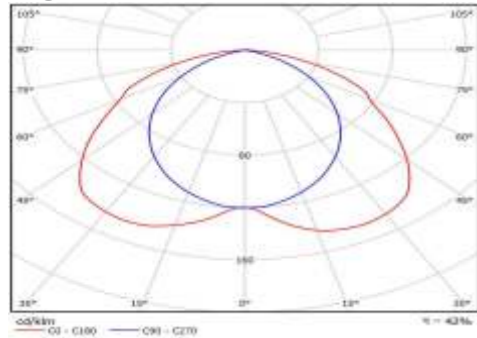
**Warranty:**

- Light trough: 5 years.
- Led tube: 02 years.
- Electromagnetic Ballast: 02 years



SQDV 240/S

**Light Distribution**



**Cone Diagram**

Nominal Beam Angle = 115°	
Illuminance at Center	Beam Diameter
2m: 183 lux	7.5m
4m: 71 lux	14.9m
6m: 13 lux	22.4m
8m: 5 lux	29.8m

CODE	LED	POWER	L (mm)	W (mm)	H (mm)
QDV 120	QDV109	9W	730	115	45
QDV 140	QDV118	18W	1330	115	45
QDV 220	QDV209	2x9W	730	161	52
QDV 240	QDV218	2x18W	1330	161	52



**WARRANTY 3 YEAR**

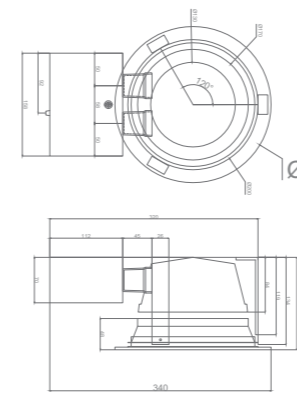
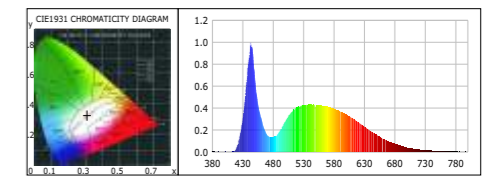


**Material:**

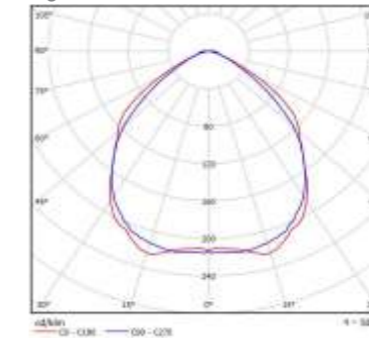
- Housing is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment
- 99.89% pure aluminum reflector which was anodized by German technology for high reflectivity
- Using anti-glare glass
- E27 porcelain lamp holder for heat-resistant and electrical insulation

**Bulb:**

- Using led bulb with E27 lamp holder or compact bulb with E27 lamp holder



**Light Distribution**



LGD 2.18

**Cone Diagram**

Nominal Beam Angle = 100°	
Illuminance at Center	Beam Diameter
2m: 101 lux	4.9m
4m: 43 lux	9.8m
6m: 16 lux	14.6m
8m: 4 lux	19.5m



CODE	POWER	Ø (mm)	H (mm)	ØØ (mm)
LGD4	Use LED bulb 3W	142	80	130
LGD5	Use LED bulb 3W	176	85	160
LGD1.13	Use LED bulb 5W	190	100	170
LGD2.13	Use LED bulb 7W	190	100	170
LGD2.18	Use LED bulb 9W	240	130	205



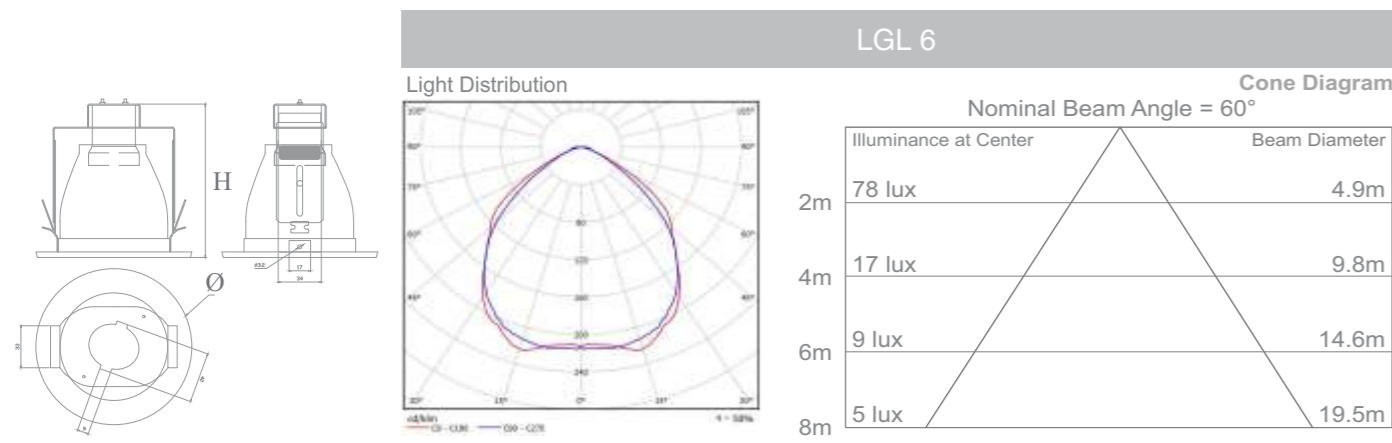
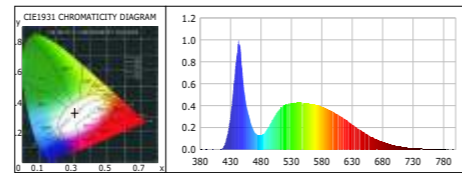


**Material:**

- Housing is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment
- 99.89% pure aluminum reflector which was anodized by German technology for high reflectivity

**Bulb:**

- Using led bulb with E27 lamp holder or compact bulb with E27 lamp holder



AC220V 50Hz Tc(K) 3000K-6000K Ra >80 Luminous Efficiency 110lm/W CE F ± 30000 (h) RoHS Compliant Non-Dimmable

CODE	POWER	Ø (mm)	H (mm)	∅Ø (mm)
LGL 2.5	LED bulb 3W	103	125	87
LGL 3	LED bulb 3W	112	125	100
LGL 3.5	LED bulb 5W	120	125	105
LGL 4	LED bulb 7W	142	195	125
LGL 5	LED bulb 9W	176	220	160
LGL 6	LED bulb 12W	190	220	170

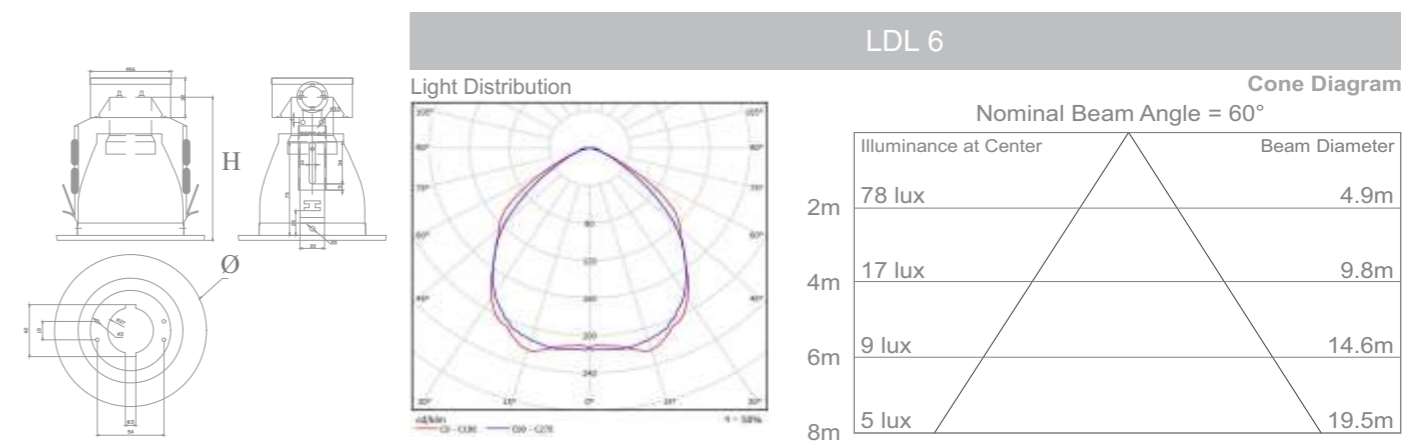
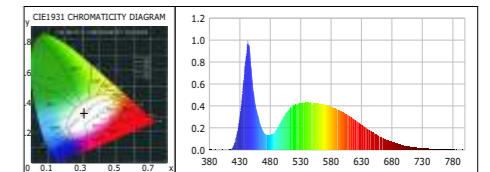


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**Bulb:**

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AC220V 50Hz Tc(K) 3000K-6000K Ra >80 Luminous Efficiency 110lm/W CE F ± 30000 (h) RoHS Compliant Non-Dimmable

CODE	POWER	Ø (mm)	H (mm)	∅Ø (mm)
LDL 2.5	LED bulb 3W	103	100	87
LDL 3	LED bulb 3W	112	129	100
LDL 3.5	LED bulb 5W	120	105	105
LDL 4	LED bulb 7W	142	174	125
LDL 5	LED bulb 9W	176	210	160
LDL 6	LED bulb 12W	190	210	170



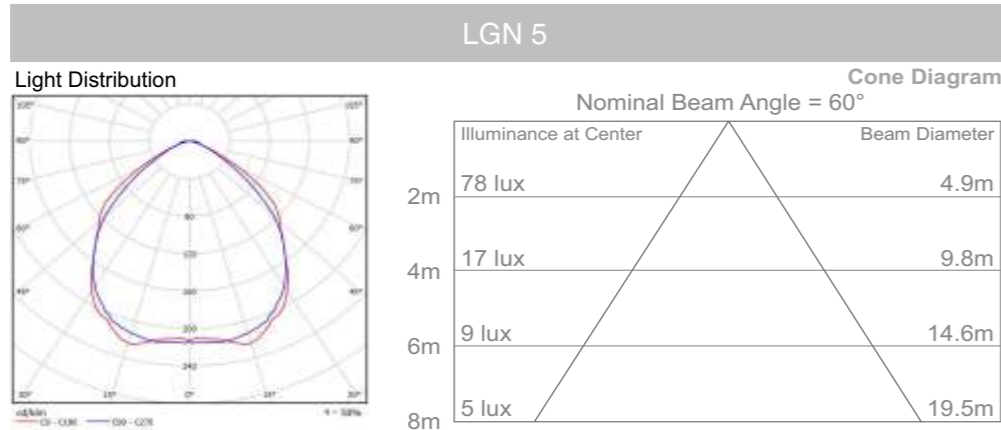
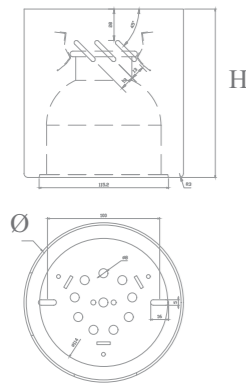
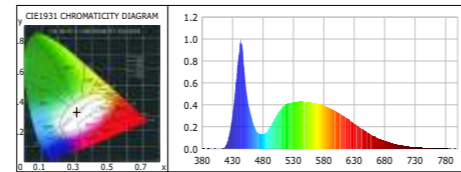
**WARRANTY**  
**3 YEAR**

**Material:**

- Housing is made of high-class electrostatic coated steel on automatic painting line, anti-rust phosphate treatment
- 99.89% pure aluminum reflector which was anodized by German technology for high reflectivity
- W: white border B: black border

**Bulb:**

- Using led bulb with E27 lamp holder or compact bulb with E27 lamp holder



AC220V 50Hz 3000K-6000K Tc(K) Ra >80 Luminous Efficiency 110lm/W CE F E 30000 (h) RoHS compliant Non-Dimmable

CODE	POWER	Ø (mm)	H (mm)
LGN 3.5	LED bulb 5W	105	132
LGN 4	LED bulb 7W	142	150
LGN 5	LED bulb 9W	180	185
LGN 6	LED bulb 12W	190	187



**WARRANTY**  
**3 YEAR**

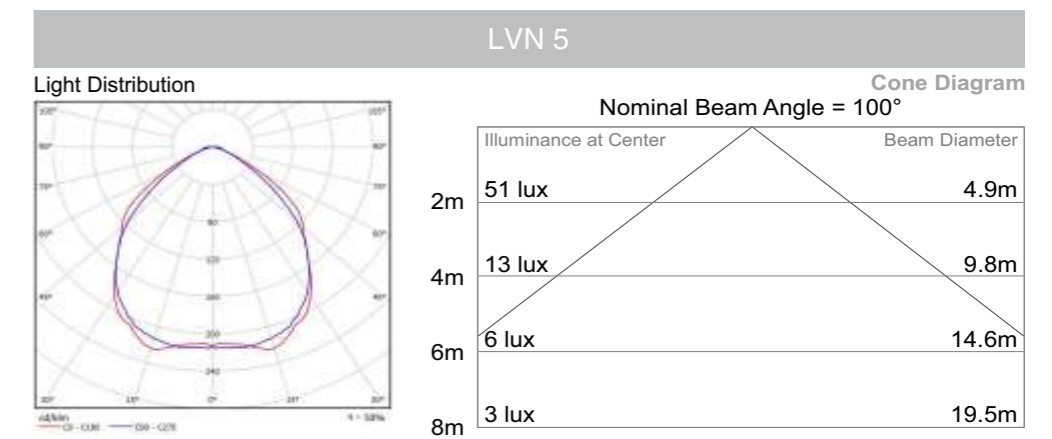
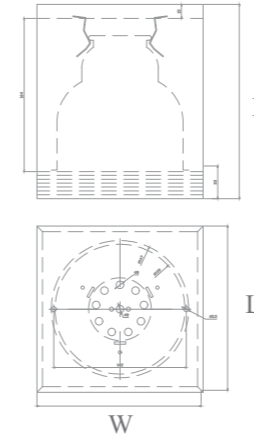
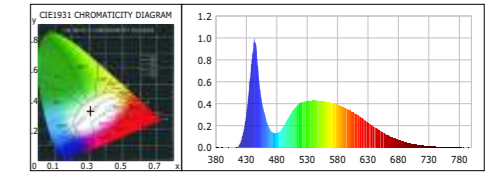
**Material:**

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**Bulb:**

- Using led bulb with E27 lamp holder or compact bulb with E27 lamp holder

- W: white border
- B: black border

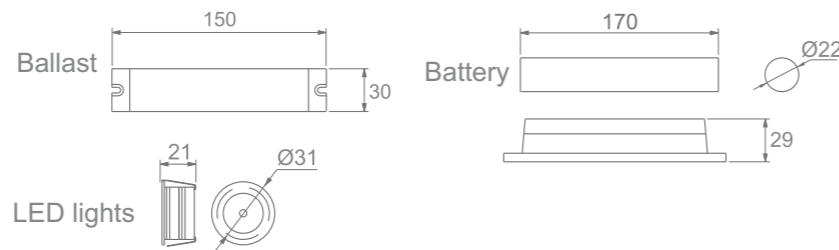


AC220V 50Hz 3000K-6000K Tc(K) Ra >80 Luminous Efficiency 110lm/W CE F E 30000 (h) RoHS compliant Non-Dimmable

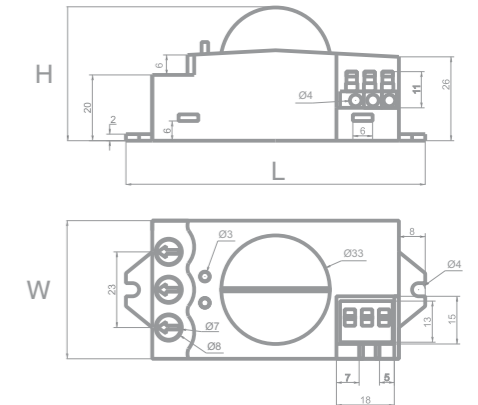
CODE	POWER	L (mm)	W (mm)	H (mm)
LVN 3.5	LED bulb 3W	112	112	166
LVN 4	LED bulb 7W	142	142	174
LVN 5	LED bulb 9W	179	179	210



Power supply: 220 ~ 240V / 50-60Hz  
Type of lamp: LED  
Power Consumption: 1w - 3w  
Charging: automatic  
Battery Type: Ni-cd  
Charge time: ~ 24 hours  
Battery duration: over 4 hours



CODE	L (mm)	Ø (mm)	H (mm)	mAh
Ballast HT-1W	130	30	28	
Pin HT-1W	Ø22		129	1200
Đèn HT-1W	Ø24		21	
Ballast HT-3W	130	30	26	
Pin HT-3W	Ø25		170	1800
Đèn HT-3W	Ø41		25	



### Advantages:

- Farther distance sensor
- Wide angle 360
- Sensing movement through the glass, thin wood, gypsum ceiling, thin plastic ... for hidden installation
- Do not depend on temperature, humidity environment

Main function of radar sensor switch:

1. Moving sensor: When someone enters the detection range, the switch shuts off. It switches itself off after a delay in the absence of the last movement.
2. Optical sensor: can adjust the light sensor, to operate all day or only to operate in dark.

Application: corridor, bathroom, basement, garage, warehouse, monitoring, and electrical devices need to automatically shut down to save electricity.

### Parameters of the device:

- Voltage: 220 ~ 240V / 50 ~ 60Hz
- Operating temperature: -200C ~ + 500c
- Power consumption: <0.9W
- Load capacity: Max. 1200W (reactive load), Max 300W (load dung)
- Time Delay: 8 seconds - 12 minutes (customize)
- Distance detection: 1-10 m (customize)
- Light sensor: 2-2000 lux (customize)
- Detection Angle: 360
- High frequency system: 5.8GH CW radar, ISM band

CODE	L (mm)	W (mm)	H (mm)
HTMS	91	42	41