



High Tech · Low Carbon Life · Bright World



**AOTOM**<sup>®</sup>

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IRICO AOTOM (HUBEI) PHOTOELECTRICITY CO., LTD

## COMPANY PROFILE

IRICO AOTOM (Hubei) Photoelectricity Co., Ltd is a professional company which focus on R&D, production and sales on LED opto-electronic components and LED lighting applications. The registered capital is 50 million yuan(RMB) and registered address is AOTOM industrial park located in NO.268, Qingzhuanhu Lake Road, Huanggang City, Hubei Province. IRICO AOTOM (Hubei) Photoelectricity Co., Ltd is wholly owned holding company of IRICO AOTOM (Hong Kong) group Co., LTD. The company manufacture base covers an area of over 110,000m<sup>2</sup> with a total investment of 400 million yuan(RMB). After the completion of the manufacture base, the floor area will be 150,000 m<sup>2</sup> and the total staff number will be more than 3,000. The company operation center is located in Optical Vally in East Lake Hi-Tech Development Zone with office sapce 1600m<sup>2</sup>. The company business orientation is scheduled for LED application field with abilities of independent R&D, design, production, installation of LED application products.

All the products have passed by international quality inspection agencies. The company have obtained dozens of national technology patents and has passed ISO 9001:2008 quality management system certification and ISO14001:2004 environmental management system certification. Our R & D Department include 8 doctors, 20 masters, 25 senior engineering (including 5 professor-level senior engineer). In order to improve research and innovation capacity and enhance competitiveness of products, The company has invested heavily in the establishment of a new lighting technology laboratory in cooperation with Shenzhen Graduate School of Tsinghua University, make joint efforts of new materials, new processes, new product development and application; The company is preparing to set up "Hubei LED technology Academy" and "Photoelectric academician workstation". Their supporting energy-saving lighting testing center has officially run.

Relying on strong R & D strength, large manufacture base, the group's experiences in semi-conductor industry for more than 10 years, as well as experienced sales and marketing team, it is bound to build AOTOM to become the largest LED lighting products manufacture base in central China and as the well-known brand of LED lighting products in China. Hubei Asia and Africa Energy Saving Energy Management Services Limited, a related company nominated for the 4th installment of energy saving directory, its undertook project can enjoy the state subsidy.

IRICO Aotom obedience to Integrity and morality business purpose, carry the mission of development of China's domestic channel brand's, maintain eternal and continuous innovative spirit, to create good development platform for staff , to create value for our partners, and to create wealth for society!

With professional and sincerity to win customer.

## GROUP

Irigo Aotom (HongKong) Holdings Co., Ltd was founded in 2001, it is a professional semi-conductor components supplier, consisting of 6 subsidiaries. The group headquarters is located in Cadre centre building 21-22F, Guangdong Province. The existing staffs has reached more than 2,000 people. The main investment industry related to LED lighting, semi-conductor microelectronics, high-definition video shooting and playing, cloud storage, the city's new media and supply chain services. The company strongly promote the high-tech enterprise of building a modern, innovative company, accurately grasp the latest market changes in demand, combine the world's leading product technology to achieve the best state of optimal allocation of resources.

Irigo Aotom persist in "brand make the way" and " technology is the first importance" as the core philosophy, and will contribute our best to benefit the soiety.

### AERIAL VIEW OF AOTOM LED INDUSTRIAL PARK



## LED INDUSTRIAL PARK



AOTOM Industrial Park



Plant I II III



Assembly Line



Warehouse



Automatic SMT Machine



Automatic Printing Machine



Reflow Oven



Automatic Aging Line



Integrating Sphere



Goniophotometer



Constant Temperature & Humidity Chamber



Salt Spray Test Chamber



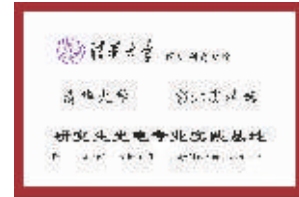
## QUALIFICATION



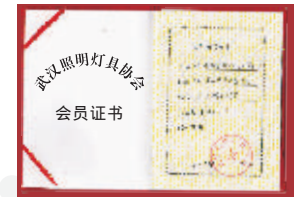
Member of Shenzhen Semiconductor Lighting Industry Development Association



New style lighting technology Co-lab by AOTOM&Tsinghua University



Practice base of Photoelectric Technology Major for Postgraduate by AOTOM & Tsinghua University



Member of Wuhan Lighting Association



China Green Lighting Quality Products Designated Manufacturing Enterprises



High-Tech Enterprise Certificate



CE



CE



TUV EMC



TUV LVD



ROHS



ROHS

## PATENT



High Power Breathing Radiator



High Power LED Bulb



LED Grow Light



LED Grow Light



ISO14001:2004



ISO14001:2004



ISO9001:2008



ISO9001:2008



LED Plug Light



LED Bulb



LED Trail Lights Radiator



LED Tube Exterior Structure



LED Tube Exterior Structure



High-power LED Lamp Respiratory Heat Sink Device

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#### PHILOSOPHY

High tech. Low carbon Life. Bright world

#### VISION

Create the world leading LED R & D and manufacturing base with advanced technology and cost-effective product, become an international famous semiconductor lighting brand

#### BUSINESS PHILOSOPHY

Integrity and morality dedicated and professional

#### SERVICE PHILOSOPHY

With professional and sincerity to win customer

## CONTENT

### COB LED LIGHT SERIES



### LED LIGHT SOURCE SERIES



### LED LUMINAIRE SERIES







# COB LED LIGHT SERIES



COB LED Ceiling Light



COB LED Track Light



COB LED Spotlight



COB LED Downlight



COB LED PAR Light



# COB LED Spotlight

## FEATURES

- Patent lens, more even facula, no glare
- SHARP COB LED technology, high CRI(Ra>80),high efficiency
- Pass hi-pot testing
- Dimming 10%-100% without flicker
- Compatible with 95% universal or trailing edge dimmer



Anti-glare lens

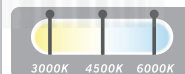
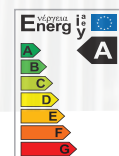


SHARP Mini-Zenigata LED



## APPLICATION: ACCENT LIGHTING

- Medical lighting
- Residential lighting: bedroom, study, kitchen, bathroom, sitting room,
- Commercial lighting: shop, exhibition, hotel lobby, office, display case lighting, under cabinet lighting, art lighting
- Boat lighting, ceiling lighting



A-MRGU1004A



A-MRGU1006A



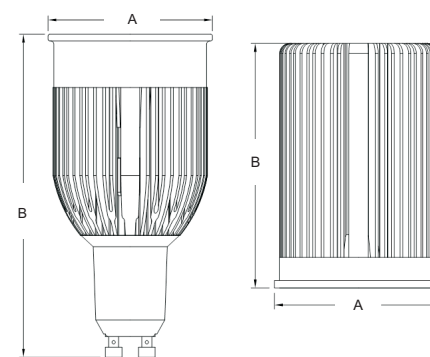
A-MRGU1008A



A-MRWZ10A

| Model No.   | Input Voltage | Power | Lumen  | Beam angle | CCT               | Base             | Size          | CRI   | Lifetime |
|-------------|---------------|-------|--|------------|-------------------|------------------|---------------|-------|----------|
| A-MRGU1004A | AC85-265V     | 4W    | WW-180-200lm<br>NW-200-250lm<br>CW-250-300lm | 40°/60°    | 3000K/4000K/5000K | MR16/GU10/E27    | D49.5*H74.5mm | Ra>80 | 35000hrs |
| A-MRGU1006A | AC85-265V     | 6W    | WW-300-350lm<br>NW-350-400lm<br>CW-400-450lm | 40°/60°    | 3000K/4000K/5000K | E27/GU10         | D50*H97mm     | Ra>80 | 35000hrs |
| A-MRGU1008A | AC85-265V     | 8W    | WW-400-450lm<br>NW-450-500lm<br>CW-500-550lm | 40°/60°    | 3000K/4000K/5000K | E27/GU10         | D50*H112mm    | Ra>80 | 35000hrs |
| A-MRWZ10A   | AC85-265V     | 10W   | WW-550-600lm<br>NW-600-650lm<br>CW-650-700lm | 40°/60°    | 3000K/4000K/5000K | Driver connector | D50*H72mm     | Ra>80 | 35000hrs |

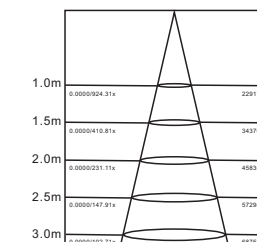
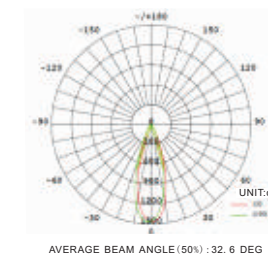
## DRAWING



| Model         | A-Diameter(mm) | B-Height(mm) |
|---------------|----------------|--------------|
| 4W MR16       | 49.5           | 69           |
| 4W GU10       | 49.5           | 74.5         |
| 4W E27        | 49.5           | 77           |
| 6W GU10       | 50             | 97           |
| 6W E27        | 50             | 98           |
| 8W GU10       | 50             | 112          |
| 8W E27        | 50             | 114          |
| 10W Spotlight | 50             | 72           |



## LIGHT DISTRIBUTION



# COB LED PAR Light

COB LED LIGHT SERIES

COB LED LIGHT SERIES

## FEATURES

- No glare reflector design, 100% stimulate of halogen output light
- SHARP COB LED technology, high CRI(Ra>80),high efficiency
- Excellent thermal management design
- Dimmable available



No glare reflector

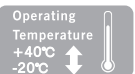
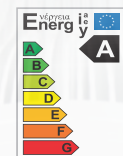


SHARP Mini-Zenigata LED



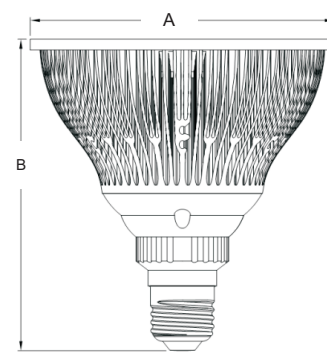
## APPLICATION:ACCENT LIGHTING

- Bedroom,study,kitchen,sitting room
- Shopping mall,exhibition booth,hotel lobby,display case
- Cabinet, art gallery
- Ceiling lighting

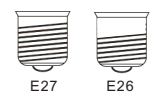


| Model No.  | Input Voltage | Power | Lumen   | Beam angle | CCT               | Base    | Size        | CRI   | Lifetime |
|------------|---------------|-------|---|------------|-------------------|---------|-------------|-------|----------|
| A-PAR2006A | AC85-265V     | 6W    | WW-300-350lm<br>NW-350-400lm<br>CW-400-450lm    | 60°        | 3000K/4000K/5000K | E26/E27 | D61*H82mm   | Ra>80 | 35000hrs |
| A-PAR3010A | AC85-265V     | 10W   | WW-550-600lm<br>NW-600-650lm<br>CW-650-700lm    | 60°        | 3000K/4000K/5000K | E26/E27 | D93*H101mm  | Ra>80 | 35000hrs |
| A-PAR3815A | AC85-265V     | 15W   | WW-900-950lm<br>NW-950-1000lm<br>CW-1050-1100lm | 60°        | 3000K/4000K/5000K | E26/E27 | D124*H129mm | Ra>80 | 35000hrs |

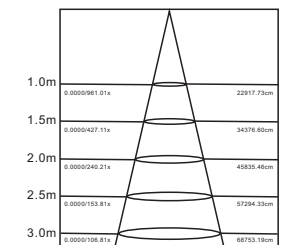
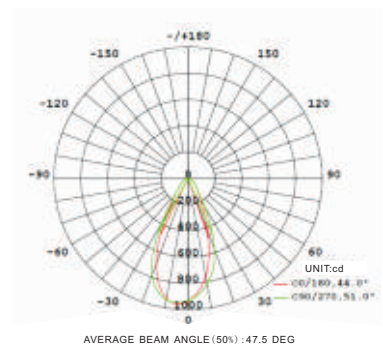
## DRAWING



| Model     | A-Diameter(mm) | B-Height(mm) |
|-----------|----------------|--------------|
| 6W PAR20  | 61             | 82           |
| 10W PAR30 | 93             | 101          |
| 15W PAR38 | 124            | 129          |



## LIGHT DISTRIBUTION



# COB LED Downlight

## FEATURES

- No glare reflector design, 100% stimulate of halogen output light
- SHARP COB LED technology, high CRI(Ra>80),high efficiency
- Integrated mounted driver,easy for installation
- Die casting housing for heat dissipation
- Dimmable available



No glare reflector



Integrated driver



CITIZEN  
CITIZEN COB Series

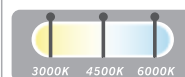
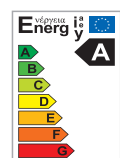


LUSTROUS  
LUSTROUS COB Series



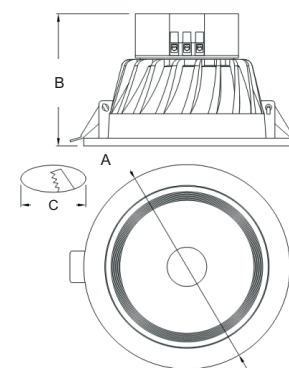
## APPLICATION:ACCENT LIGHTING

- Shopping mall
- Exclusive shop
- Hospital
- Hotel



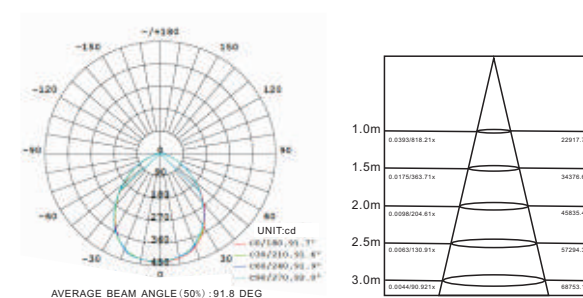
| Model No. | Input Voltage | Power | Lumen  | Beam angle | CCT               | Base             | Size  | CRI   | Lifetime |
|-----------|---------------|-------|--|------------|-------------------|------------------|---|-------|----------|
| A-DL0308C | AC85-265V     | 8W    | WW-450-500lm<br>NW-500-550lm<br>CW-550-600lm       | 80°        | 3000K/4000K/5000K | Driver connector | Diameter: 100mm<br>Height:76mm<br>Cut out:80mm  | Ra>80 | 35000hrs |
| A-DL0412C | AC85-265V     | 12W   | WW-700-750lm<br>NW-750-800lm<br>CW-800-850lm       | 80°        | 3000K/4000K/5000K | Driver connector | Diameter:130mm<br>Height:84mm<br>Cut out: 114mm | Ra>80 | 35000hrs |
| A-DL0515C | AC85-265V     | 15W   | WW-900-950lm<br>NW-950-1000lm<br>CW-100-1050lm     | 80°        | 3000K/4000K/5000K | Driver connector | Diameter:160mm<br>Height:83mm<br>Cut out:142mm  | Ra>80 | 35000hrs |
| A-DL0620C | AC85-265V     | 20W   | WW-1300-1350lm<br>NW-1350-1450lm<br>CW-1400-1450lm | 80°        | 3000K/4000K/5000K | Driver connector | Diameter:190mm<br>Height:83mm<br>Cut out:180mm  | Ra>80 | 35000hrs |
| A-DL0830C | AC85-265V     | 30W   | WW-2000-2100lm<br>NW-2100-2150lm<br>CW-2150-2200lm | 80°        | 3000K/4000K/5000K | Driver connector | Diameter:240mm<br>Height:107mm<br>Cut out:220mm | Ra>80 | 35000hrs |

## DRAWING



| Model  | A-Diameter(mm) | B-Height(mm) | C-Cut out(mm) |
|--------|----------------|--------------|---------------|
| 3 inch | 100            | 76           | 80            |
| 4 inch | 130            | 84           | 114           |
| 5 inch | 160            | 83           | 142           |
| 6 inch | 190            | 83           | 180           |
| 8 inch | 240            | 107          | 220           |

## LIGHT DISTRIBUTION





# COB LED Ceiling Light

COB LED LIGHT SERIES

## FEATURES

- Patent lens, more even facula, no glare
- SHARP COB LED technology, high CRI(Ra>80),high efficiency
- Narrow beam angle, high illumination
- Excellent thermal design
- Dimmable available



Anti-glare lens



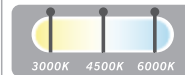
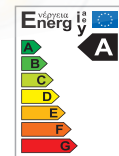
SHARP

SHARP Mini-Zenigata LED



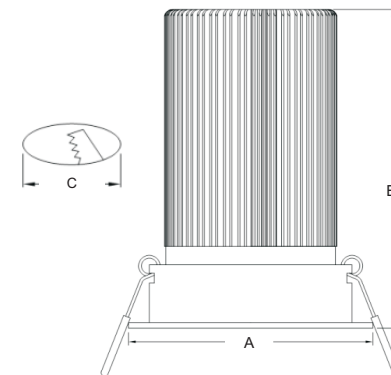
## APPLICATION:ACCENT LIGHTING

- Shopping mall
- Exclusive shop
- Hospital
- Hotel



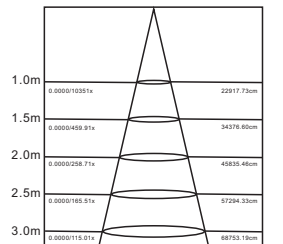
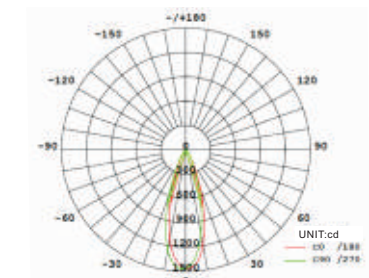
| Model No. | Input Voltage | Power | Lumen   | Beam angle | CCT               | Base             | Size      | CRI   | Lifetime |
|-----------|---------------|-------|---|------------|-------------------|------------------|-----------|-------|----------|
| A-CL8508C | AC85-265V     | 8W    | WW-400-450lm<br>NW-450-500lm<br>CW-500-550lm    | 30°/60°    | 3000K/4000K/5000K | Driver connector | D85*69mm  | Ra>80 | 35000hrs |
| A-CL8510C | AC85-265V     | 10W   | WW-550-660lm<br>NW-600-650lm<br>CW-650-700lm    | 30°/60°    | 3000K/4000K/5000K | Driver connector | D85*69mm  | Ra>80 | 35000hrs |
| A-CL8513C | AC85-265V     | 13W   | WW-700-750lm<br>NW-750-800lm<br>CW-800-850lm    | 30°/60°    | 3000K/4000K/5000K | Driver connector | D85*113mm | Ra>80 | 35000hrs |
| A-CL8515C | AC85-265V     | 15W   | WW-900-950lm<br>NW-950-1000lm<br>CW-1050-1100lm | 30°/60°    | 3000K/4000K/5000K | Driver connector | D85*113mm | Ra>80 | 35000hrs |

## DRAWING



| Model | A-Diameter(mm) | B-Height(mm) | C-Cut out(mm) |
|-------|----------------|--------------|---------------|
| 8W    | 85             | 69           | 74            |
| 10W   | 85             | 69           | 74            |
| 13W   | 85             | 113          | 74            |
| 15W   | 85             | 113          | 74            |

## LIGHT DISTRIBUTION



AVERAGE BEAM ANGLE(50%):32.6 DEG

COB LED LIGHT SERIES

# COB LED Track Light

## FEATURES

- SHARP COB LED technology, high CRI(Ra>80),high efficiency
- No glare reflector design, 100% stimulate of halogen output light
- Aluminum alloy housing for excellt heat dissipation
- Horizontally and vertically adjustment with wide-angle.
- Unique light distribution technology, soft light, no glare
- Dimmable available



No glare reflector



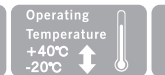
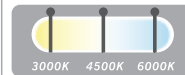
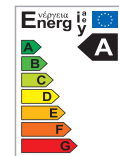
SHARP

SHARP Mini-Zenigata LED



## APPLICATION:ACCENT LIGHTING

- Commercial lighting
- Household lighting
- Hotel lighting

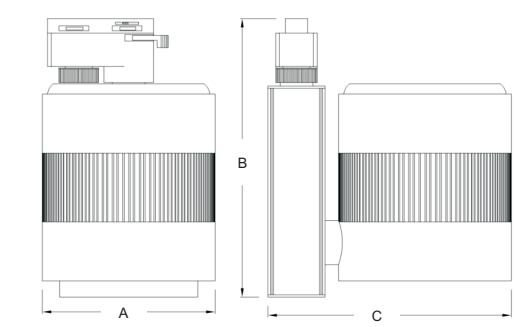


A-TL25A

A-TL35A

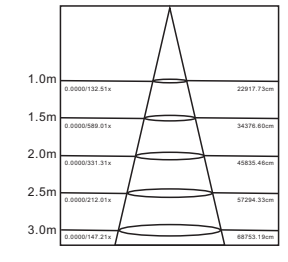
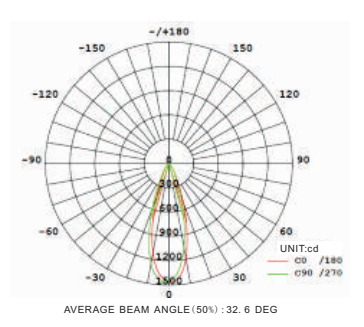
| Model No. | Input Voltage | Power | Lumen  | Beam angle | CCT               | Size           | CRI   | Lifetime |
|-----------|---------------|-------|--|------------|-------------------|----------------|-------|----------|
| A-TL25A   | AC85-265V     | 25W   | WW-1450-1500lm<br>NW-1550-1600lm<br>CW-1650-1750lm | 30°        | 3000K/4000K/5000K | D115*189*162mm | Ra>80 | 35000hrs |
| A-TL35A   | AC85-265V     | 35W   | WW-1900-1950lm<br>NW-1950-2000lm<br>CW-2000-2050lm | 30°        | 3000K/4000K/5000K | D115*189*162mm | Ra>80 | 35000hrs |

## DRAWING



| A(mm) | B(mm) | C(mm) |
|-------|-------|-------|
| 115   | 189   | 162   |

## LIGHT DISTRIBUTION







# LED LIGHT SOURCE SERIES



LED Bulb



LED Tube



LED Spotlight



LED PAR Light



LED Strip

# LED Spot light

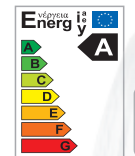
LED LIGHT SOURCE SERIES

## FEATURES

- High quality 1-3W high power LED
- Secondary optics design lens
- Constant current LED driver
- Compatible with conventional lamp base, easy replacement

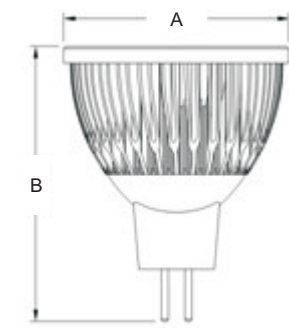
## APPLICATION

- Display Show case
- Boutiques
- Jewelry store
- Shelf lighting
- Living room, bedroom



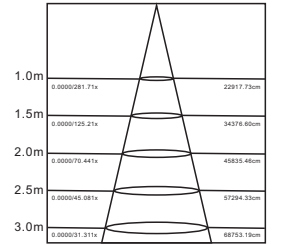
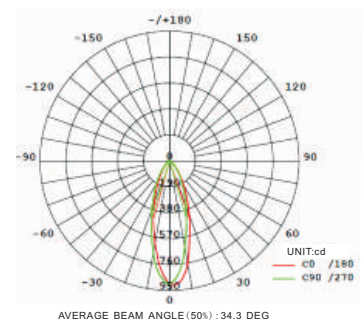
| Model No. | Input Voltage | Power | Lumen  | Beam angle | CCT               | Base          | Size      | CRI                | Lifetime |
|-----------|---------------|-------|--|------------|-------------------|---------------|-----------|--------------------|----------|
| A-MR1603A | AC85-265V     | 3W    | WW-180-230lm<br>NW-230-280lm<br>CW-250-300lm | 30°/60°    | 3000K/4500K/6000K | GU10/E27/MR16 | D48*H64mm | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-MR1604A | AC85-265V     | 4W    | WW-200-250lm<br>NW-250-300lm<br>CW-300-350lm | 30°/60°    | 3000K/4500K/6000K | GU10/E27/MR16 | D48*H64mm | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-MR1605A | AC85-265V     | 5W    | WW-300-350lm<br>NW-350-400lm<br>CW-400-450lm | 30°/60°    | 3000K/4500K/6000K | GU10/E27/MR16 | D50*H88mm | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-MR1606A | AC85-265V     | 6W    | WW-300-350lm<br>NW-350-400lm<br>CW-400-450lm | 30°/60°    | 3000K/4500K/6000K | GU10/E27      | D50*H88mm | CW>70Ra<br>WW>80Ra | 35000hrs |

## DRAWING



| Model   | A-Diameter(mm) | B-Height(mm) |
|---------|----------------|--------------|
| 3W MR16 | 48             | 58           |
| 3W GU10 | 48             | 64           |
| 3W E27  | 48             | 66           |
| 4W MR16 | 48             | 58           |
| 4W GU10 | 48             | 64           |
| 4W E27  | 48             | 66           |
| 5W MR16 | 50             | 82           |
| 5W GU10 | 50             | 88           |
| 5W E27  | 50             | 91           |
| 6W GU10 | 50             | 88           |
| 6W E27  | 50             | 89           |

## LIGHT DISTRIBUTION



LED LIGHT SOURCE SERIES



# LED PAR Light

LED LIGHT SOURCE SERIES

## FEATURES

- High quality 1-3W high power LED
- Secondary optics design lens
- Constant current LED driver
- Compatible with conventional lamp base, easy replacement



## APPLICATION

- Commercial store
- Shopping mall
- Meeting room
- Exhibition hall
- Supermarket

Energy label: **A**

Color temperature: 3000K, 4500K, 6000K

Operating Temperature: +40°C, -20°C

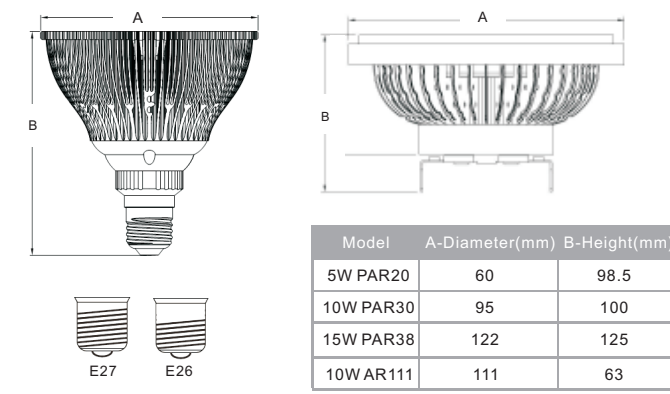
Instant Start

CE, RoHS

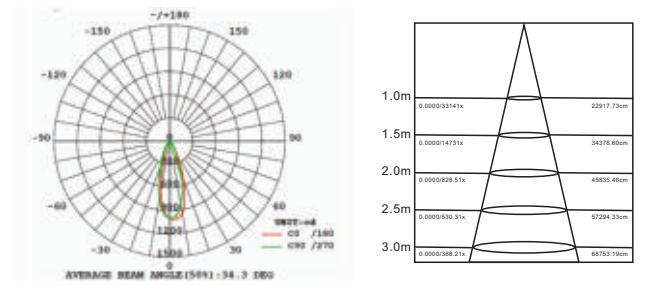


| Model No.  | Input Voltage | Power | Lumen   | Beam angle  | CCT               | Base    | Size        | CRI                | Lifetime |
|------------|---------------|-------|---|-------------|-------------------|---------|-------------|--------------------|----------|
| A-PAR2005A | AC85-265V     | 5W    | WW-300-350lm<br>NW-350-400lm<br>CW-400-450lm    | 30°/45°     | 3000K/4500K/6000K | E26/E27 | D60*H98.5mm | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-PAR3010A | AC85-265V     | 10W   | WW-600-650lm<br>NW-650-700lm<br>CW-700-750lm    | 30°/45°     | 3000K/4500K/6000K | E26/E27 | D95*H100mm  | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-PAR3815A | AC85-265V     | 15W   | WW-900-950lm<br>NW-950-1000lm<br>CW-1030-1050lm | 30°/45°     | 3000K/4500K/6000K | E26/E27 | D122*H125mm | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-AR11110A | DC:12-24V     | 10W   | WW-700-750lm<br>NW-750-800lm<br>CW-800-850lm    | 30°/45°/60° | 3000K/4500K/6000K | AR111   | D111*H63mm  | CW>70Ra<br>WW>80Ra | 35000hrs |

## DRAWING



## LIGHT DISTRIBUTION



LED LIGHT SOURCE SERIES

# LED Bulb

LED LIGHT SOURCE SERIES

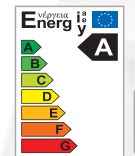
## FEATURES

- Fins heat sink
- LEDLINK optics diffuser
- SAMSUNG SMD LED technology, RA>80, high efficiency
- NXP Isolated driver, long lifetime guarantee



## APPLICATION

- Table lamp
- Floor lamp
- Wall lamp
- Office, showroom, lobby
- Living room, bedroom, bathroom



Operating Temperature: +40°C / -20°C

Instant Start

CE

RoHS

LEDLINK diffuser

Fin heat sink

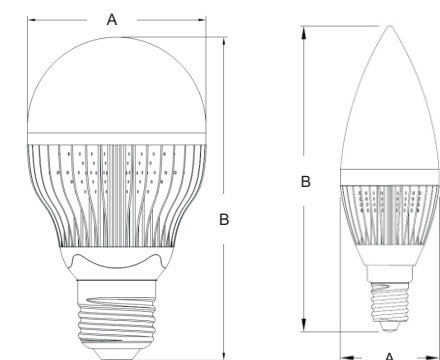
SAMSUNG 5630 SMD LED

3 YEARS WARRANTY



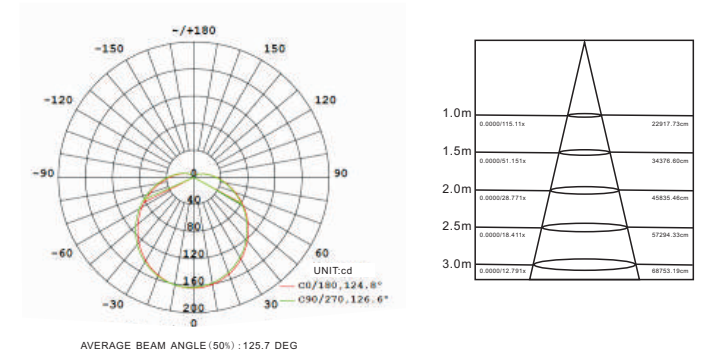
| Model No. | Input Voltage | Power | Lumen   | Beam angle | CCT               | Base                 | Size       | CRI   | Lifetime |
|-----------|---------------|-------|---|------------|-------------------|----------------------|------------|-------|----------|
| A-CA1404A | AC85-265V     | 4W    | WW-200-250lm<br>NW-250-300lm<br>CW-300-350lm  | 180°       | 3000K/4500K/6000K | E27/B22/E26/E14 /E12 | D37*H115mm | Ra>80 | 35000hrs |
| A-GL6005A | AC85-265V     | 5W    | WW-350-400lm<br>NW-400-450lm<br>CW-450-500lm  | 130°       | 3000K/4500K/6000K | E27/B22/E26          | D60*H108mm | Ra>80 | 35000hrs |
| A-GL6007A | AC85-265V     | 7W    | WW-550-600lm<br>NW-600-650lm<br>CW-650-700lm  | 130°       | 3000K/4500K/6000K | E27/B22/E26          | D65*H122mm | Ra>80 | 35000hrs |
| A-GL6010A | AC85-265V     | 10W   | WW-850-900lm<br>NW-900-950lm<br>CW-950-1000lm | 130°       | 3000K/4500K/6000K | E27/B22/E26          | D65*H135mm | Ra>80 | 35000hrs |

## DRAWING



| Model | A-Diameter(mm) | B-Height(mm) |
|-------|----------------|--------------|
| 4W    | 37             | 115          |
| 5W    | 60             | 108          |
| 7W    | 65             | 122          |
| 10W   | 65             | 135          |

## LIGHT DISTRIBUTION



LED LIGHT SOURCE SERIES



# LED Tube

LED LIGHT SOURCE SERIES

## FEATURES

- SAMSUNG SMD LED technology, RA>80, high efficiency
- Oval heat sink
- High quality PC cover, high transmittance
- TUV CE Certification
- Compatible of magnetic ballast
- Motion sensor & Sound sensor for choice



IR Motion Sensor



Sound Sensor

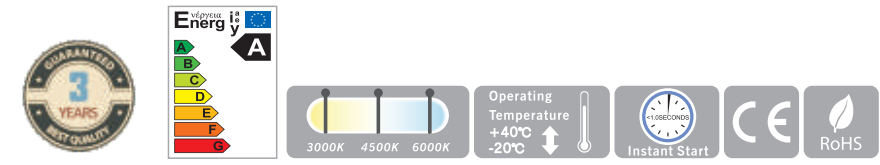


Integrated T5



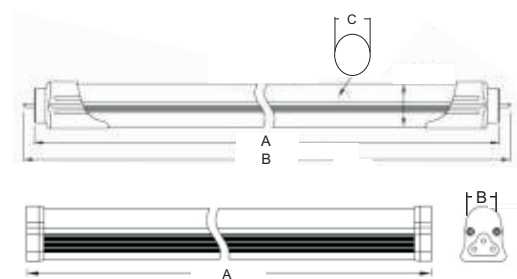
## APPLICATION

- Shopping mall
- School
- Hospital
- Warehouse
- Refrigerating
- Office
- Hotel



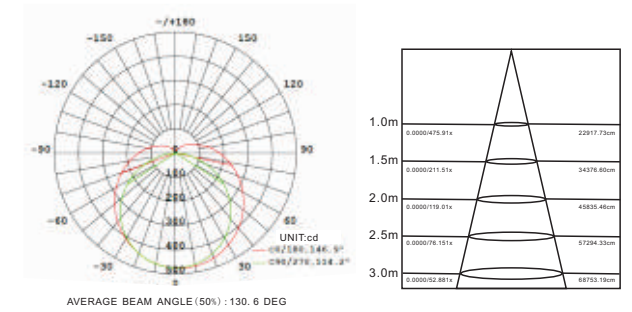
| Model No.  | Input Voltage | Power | Lumen  | Beam angle | CCT               | Base            | Size | CRI                | Lifetime |
|------------|---------------|-------|--|------------|-------------------|-----------------|------|--------------------|----------|
| A-T81522A  | AC85-265V     | 22W   | WW-1900-2000lm<br>NW-2000-2100lm<br>CW-2100-2200lm | 130°       | 3000K/4500K/6000K | G13             | 1.5m | Ra>80              | 35000hrs |
| A-T81220A  | AC85-265V     | 20W   | WW-1750-1850lm<br>NW-1850-1950lm<br>CW-1900-2000lm | 130°       | 3000K/4500K/6000K | G13             | 1.2m | Ra>80              | 35000hrs |
| A-T80913A  | AC85-265V     | 13W   | WW-1100-1150lm<br>NW-1150-1200lm<br>CW-1200-1300lm | 130°       | 3000K/4500K/6000K | G13             | 0.9m | Ra>80              | 35000hrs |
| A-T80610A  | AC85-265V     | 10W   | WW-800-900lm<br>NW-850-950lm<br>CW-900-1000lm      | 130°       | 3000K/4500K/6000K | G13             | 0.6m | Ra>80              | 35000hrs |
| A-T81218AP | AC85-265V     | 18W   | WW-1450-1500lm<br>NW-1500-1600lm<br>CW-1600-1650lm | 130°       | 3000K/4500K/6000K | G13             | 1.2m | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-T81220AS | AC85-265V     | 18W   | WW-1500-1550lm<br>NW-1550-1600lm<br>CW-1600-1650lm | 130°       | 3000K/4500K/6000K | G13             | 1.2m | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-T50608A  | AC85-265V     | 8W    | WW-700-750lm<br>NW-750-850lm<br>CW-800-900lm       | 120°       | 3000K/4500K/6000K | Connector cable | 0.6m | CW>70Ra<br>WW>80Ra | 35000hrs |
| A-T51215A  | AC85-265V     | 15W   | WW-1250-1300lm<br>NW-1350-1400lm<br>CW-1400-1500lm | 120°       | 3000K/4500K/6000K | Connector cable | 1.2m | CW>70Ra<br>WW>80Ra | 35000hrs |

## DRAWING



| Model   | A(mm) | B (mm) | C(mm) |
|---------|-------|--------|-------|
| 0.6m T8 | 588   | 602    | 26    |
| 0.9m T8 | 893   | 907    | 26    |
| 1.2m T8 | 1198  | 1212   | 26    |
| 1.5m T8 | 1498  | 1512   | 26    |
| 0.6M T5 | 588   | 16     | /     |
| 1.2M T5 | 1175  | 16     | /     |

## LIGHT DISTRIBUTION



LED LIGHT SOURCE SERIES

# LED Strip

LED LIGHT SOURCE SERIES

LED LIGHT SOURCE SERIES

## FEATURES

- Unique circuit technology and high standards of anti-static
- Flexible, can be fixed at the concave-convex surface
- Each 3 LEDs for a loop circuit
- With plastic clips, easy to install



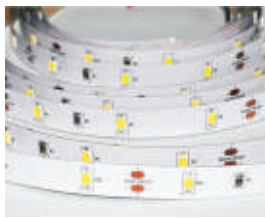
3014



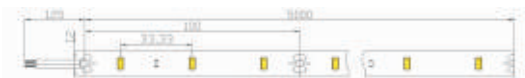
5050



3528



5630



## APPLICATION

- Outdoor decorating, building contour, step, bridges, pool
- Indoor decorating, disco, bars, karaoke room, booth, hotel

3 YEARS

GUARANTEED

BEST QUALITY

Energy

A

3000K

4500K

6000K

Operating Temperature

+40°C

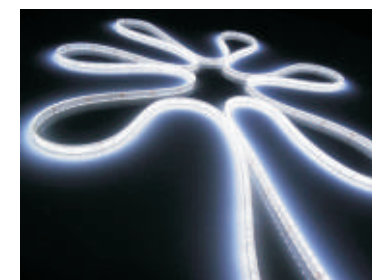
-20°C

Instant Start

CE

RoHS

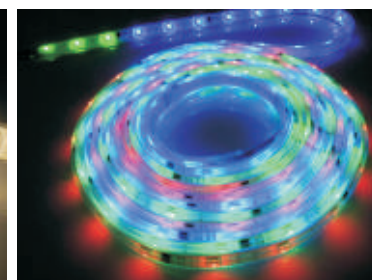
| Model No.  | Input Voltage    | Lumen       | Beam angle | CCT                  | LEDs | LED QTY  | Size          | IP            | Lifetime  |
|------------|------------------|-------------|------------|----------------------|------|----------|---------------|---------------|-----------|
| A-SW3014HN | 7.2W/14.4W       | 10-12lm/led | 120°       | 2700-6500K/R/G/B/RGB | 3014 | 60/120   | 5000*6*2.4mm  | IP20/44/65/68 | 40,000hrs |
| A-SW3528HN | 4.8W/9.6W/11.5W  | 6-8lm/led   | 120°       | 2700-6500K/R/G/B/RGB | 3528 | 30/60/72 | 5000*8*2.4mm  | IP20/44/65/68 | 40,000hrs |
| A-SW5050HN | 7.2W/14.4W/17.3W | 16-18lm/led | 120°       | 2700-6500K/R/G/B/RGB | 5050 | 30/60/72 | 5000*10*2.4mm | IP20/44/65/68 | 40,000hrs |
| A-SW5630HN | 18W/27W/36W      | 45-50lm/led | 120°       | 2700-6500K/R/G/B/RGB | 5630 | 30/48/60 | 5000*12*2.4mm | IP20/44/65/68 | 40,000hrs |



6000K



3000K



RGB color changing

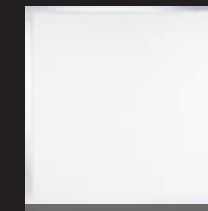


NEW  
IP68 PU glue strip  
Side-emitting





## LED LUMINAIRE SERIES



LED Panel Light



LED Dome Light



LED Down Light



LED High Bay Light

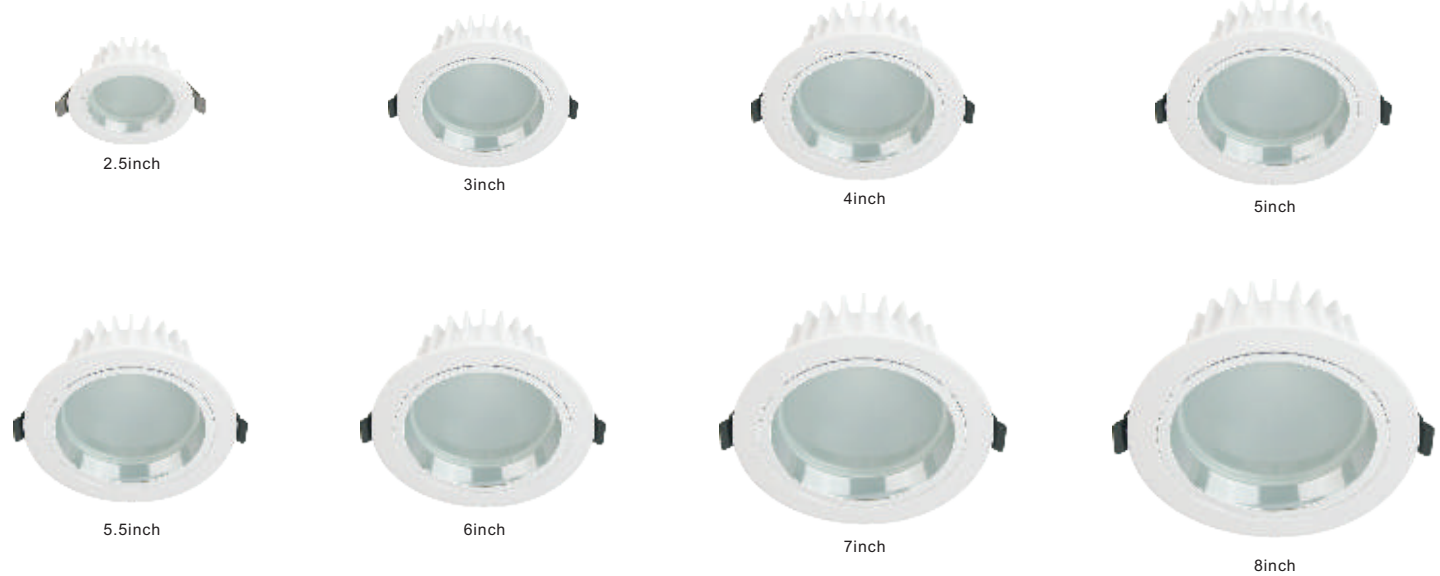


LED Flood Light

# LED Down Light

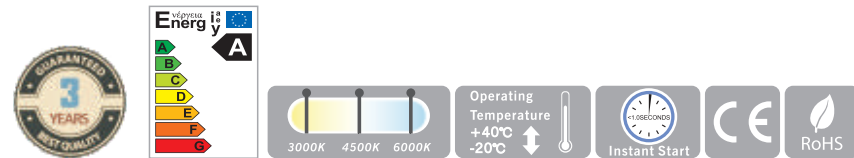
## FEATURES

- SAMSUNG SMD LED technology, RA>80, high efficiency
- Die-casting molding, electrostatic spraying technology
- Unique thermal management, large heat dissipation area
- High quality acrylic cover, high transmittance, soft and uniform light
- Various power and sizes for choice



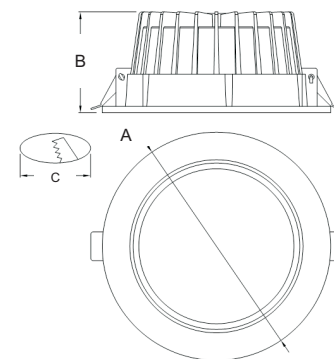
## APPLICATION

- Shopping mall
- Exclusive shop
- Hospital
- Hotel



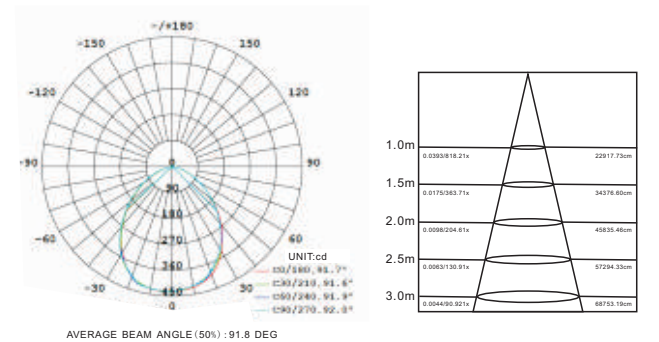
| Model No. | Input Voltage | Power | Lumen  | Beam angle | CCT               | Base             | Size                          | CRI   | Lifetime  |
|-----------|---------------|-------|--|------------|-------------------|------------------|-------------------------------|-------|-----------|
| A-DL2507A | AC85-265V     | 7W    | WW-350-400lm<br>NW-400-450lm<br>CW-450-500lm       | 90°        | 3000K/4500K/6000K | Driver connector | D*H:90*55mm<br>Cut out:78mm   | Ra>80 | 35,000hrs |
| A-DL0309A | AC85-265V     | 9W    | WW-400-450lm<br>NW-450-500lm<br>CW-500-550lm       | 90°        | 3000K/4500K/6000K | Driver connector | D*H:100*50mm<br>Cut out:86mm  | Ra>80 | 35,000hrs |
| A-DL0412A | AC85-265V     | 12W   | WW-650-700lm<br>NW-700-750lm<br>CW-750-800lm       | 90°        | 3000K/4500K/6000K | Driver connector | D*H:130*66mm<br>Cut out:115mm | Ra>80 | 35,000hrs |
| A-DL0515A | AC85-265V     | 15W   | WW-1000-1050lm<br>NW-1050-1100lm<br>CW-1100-1150lm | 90°        | 3000K/4500K/6000K | Driver connector | D*H:159*70mm<br>Cut out:142mm | Ra>80 | 35,000hrs |
| A-DL5518A | AC85-265V     | 18W   | WW-1300-1350lm<br>NW-1350-1400lm<br>CW-1400-1450lm | 90°        | 3000K/4500K/6000K | Driver connector | D*H:180*76mm<br>Cut out:162mm | Ra>80 | 35,000hrs |
| A-DL0620A | AC85-265V     | 20W   | WW-1400-1450lm<br>NW-1450-1500lm<br>CW-1500-1550lm | 90°        | 3000K/4500K/6000K | Driver connector | D*H:189*71mm<br>Cut out:175mm | Ra>80 | 35,000hrs |
| A-DL0724A | AC85-265V     | 24W   | WW-1600-1650lm<br>NW-1650-1700lm<br>CW-1700-1750lm | 90°        | 3000K/4500K/6000K | Driver connector | D*H:199*76mm<br>Cut out:186mm | Ra>80 | 35,000hrs |
| A-DL0830A | AC85-265V     | 30W   | WW-2000-2050lm<br>NW-2050-2100lm<br>CW-2100-2200lm | 90°        | 3000K/4500K/6000K | Driver connector | D*H:228*86mm<br>Cut out:208mm | Ra>80 | 35,000hrs |

## DRAWING



| Model    | A-Diameter(mm) | B-Height(mm) | C-Cut out(mm) |
|----------|----------------|--------------|---------------|
| 2.5 inch | 90             | 55           | 78            |
| 3 inch   | 100            | 50           | 86            |
| 4 inch   | 130            | 66           | 115           |
| 5 inch   | 159            | 70           | 142           |
| 5.5 inch | 180            | 76           | 162           |
| 6 inch   | 189            | 71           | 175           |
| 7 inch   | 199            | 76           | 186           |
| 8 inch   | 228            | 86           | 208           |

## LIGHT DISTRIBUTION





# LED Panel Light

## FEATURES

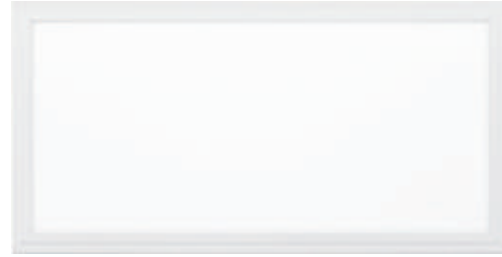
- 6063 pure aluminum of anodic oxidation technology frame
- Side-emitting & Bottom-emitting, light weight
- Quality light guide plate, high transmittance, soft and uniform light
- 3 installation methods: suspend, mounted, build-in
- Dimmable & CCT changing available



Bottom-emitting



Side-emitting

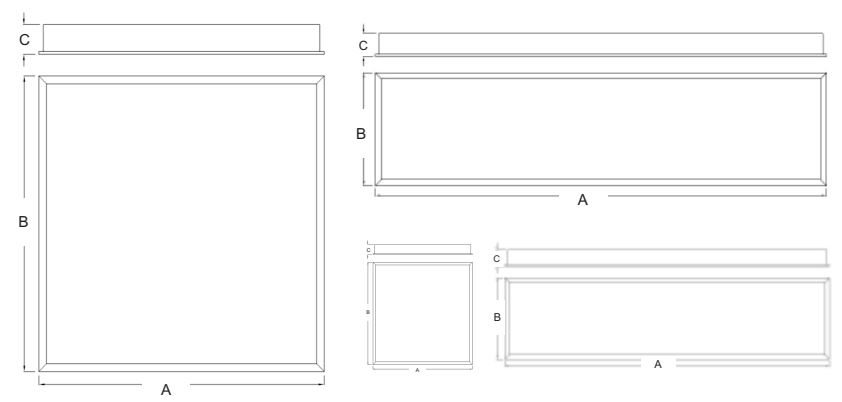


## APPLICATION

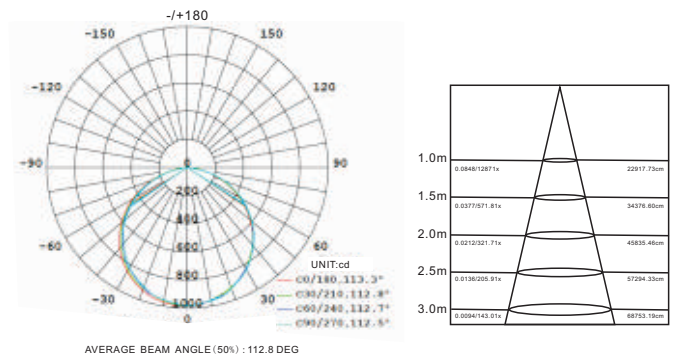
- Shopping mall
- School
- Hospital
- Warehouse
- Office
- Home
- Hotel

| Model No.                     | Input Voltage | Power | Lumen  | Beam angle | CCT               | Base             | Size          | CRI   | Lifetime  |
|-------------------------------|---------------|-------|--|------------|-------------------|------------------|---------------|-------|-----------|
| A-PL606032A (Bottom-emitting) | AC85-265V     | 32W   | WW-2300-2450lm<br>NW-2450-2600lm<br>CW-2600-2650lm | 110°       | 3000K/4500K/6000K | Driver connector | 595*595*60mm  | Ra>80 | 35,000hrs |
| A-PL606048A (Bottom-emitting) | AC85-265V     | 48W   | WW-3600-3650lm<br>NW-3650-3700lm<br>CW-3700-3800lm | 110°       | 3000K/4500K/6000K | Driver connector | 595*595*60mm  | Ra>80 | 35,000hrs |
| A-PL303018A (Side-emitting)   | AC85-265V     | 18W   | 1200-1400lm  | 110°       | 3000K/4500K/6000K | Driver connector | 300*300*12mm  | Ra>80 | 35,000hrs |
| A-PL306027A (Side-emitting)   | AC85-265V     | 27W   | 1800-2000lm  | 110°       | 3000K/4500K/6000K | Driver connector | 300*600*12mm  | Ra>80 | 35,000hrs |
| A-PL301248A (Side-emitting)   | AC85-265V     | 48W   | 3200-3400lm  | 110°       | 3000K/4500K/6000K | Driver connector | 300*1200*12mm | Ra>80 | 35,000hrs |
| A-PL606036A (Side-emitting)   | AC85-265V     | 36W   | 3200-3400lm  | 110°       | 3000K/4500K/6000K | Driver connector | 600*600*12mm  | Ra>80 | 35,000hrs |
| A-PL601254A (Side-emitting)   | AC85-265V     | 54W   | 3600-3800lm  | 110°       | 3000K/4500K/6000K | Driver connector | 600*1200*12mm | Ra>80 | 35,000hrs |
| A-PL309032A (Side-emitting)   | AC85-265V     | 32W   | 2100-2300lm  | 110°       | 3000K/4500K/6000K | Driver connector | 300*900*12mm  | Ra>80 | 35,000hrs |

## DRAWING



## LIGHT DISTRIBUTION



# LED Panel Light

## FEATURES

- 6063 pure aluminum of anodic oxidation technology frame
- Side-emitting, light weight
- Quality light guide plate, high transmittance, soft and uniform light
- 3 installation methods: suspend, mounted, build-in
- Dimmable & CCT changing available

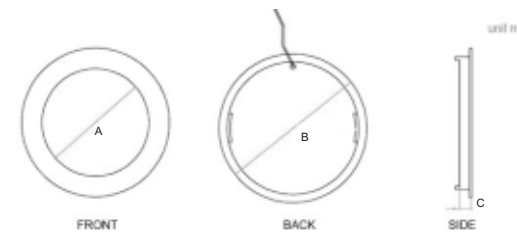


## APPLICATION

- Shopping mall
- School
- Hospital
- Warehouse
- Office
- Home
- Hotel

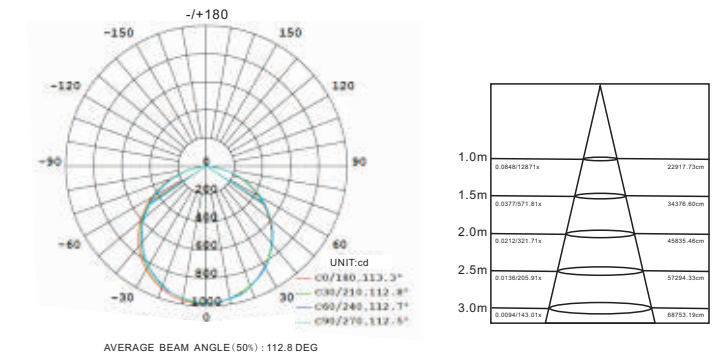
| Model No.  | Input Voltage | Power | Lumen       | Beam angle | CCT               | Base             | Size                            | CRI                | Lifetime  |
|------------|---------------|-------|-------------|------------|-------------------|------------------|---------------------------------|--------------------|-----------|
| A-RPL8003A | AC85-265V     | 3W    | 200-250lm   | 110°       | 3000K/4500K/6000K | Driver connector | D80*H13mm<br>Cut out:64mm       | CW>70Ra<br>WW>80Ra | 35,000hrs |
| A-RPL1207A | AC85-265V     | 7W    | 500-550lm   | 110°       | 3000K/4500K/6000K | Driver connector | D120*H13mm<br>Cut out:104mm     | CW>70Ra<br>WW>80Ra | 35,000hrs |
| A-RPL1810A | AC85-265V     | 10W   | 700-750lm   | 110°       | 3000K/4500K/6000K | Driver connector | D180mm*H13.5mm<br>Cut out:164mm | CW>70Ra<br>WW>80Ra | 35,000hrs |
| A-RPL2415A | AC85-265V     | 15W   | 950-1000lm  | 110°       | 3000K/4500K/6000K | Driver connector | D240mm*H13.5mm<br>Cut out:224mm | CW>70Ra<br>WW>80Ra | 35,000hrs |
| A-RPL3018A | AC85-265V     | 18W   | 1200-1300lm | 110°       | 3000K/4500K/6000K | Driver connector | D300mm*H13.5mm<br>Cut out:284mm | CW>70Ra<br>WW>80Ra | 35,000hrs |

## DRAWING



| Model | A(mm) | B(mm) | C(mm) |
|-------|-------|-------|-------|
| D80   | 40    | 80    | 13.5  |
| D120  | 80    | 120   | 13.5  |
| D180  | 130   | 180   | 13.5  |
| D240  | 190   | 240   | 13.5  |
| D300  | 250   | 300   | 13.5  |

## LIGHT DISTRIBUTION



# LED Dome Light

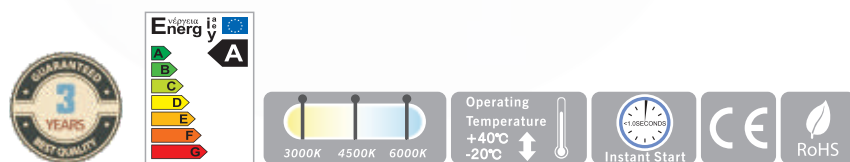
## FEATURES

- High quality pure aluminum frame and pure white PC cover
- Overvoltage, short circuit&overload protection design
- High light efficiency, high lumen, ultra energy-saving
- IR sensor available



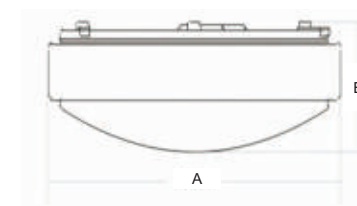
## APPLICATION

- Household
- Corridor
- Hospital
- Office
- Meeting room



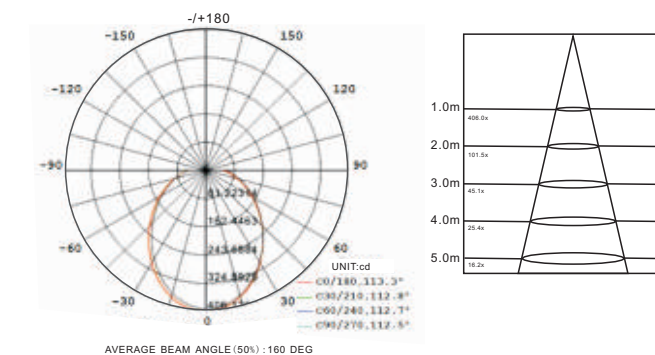
| Model No. | Input Voltage | Power | Lumen       | Beam angle | CCT               | Size        | Lifetime  |
|-----------|---------------|-------|-------------|------------|-------------------|-------------|-----------|
| A-CE12H   | AC100~240V    | 12W   | 900-950lm   | 160°       | 3000K/4500K/6000K | D290*H100mm | 35,000hrs |
| A-CE18H   | AC100~240V    | 18W   | 1350-1400lm | 160°       | 3000K/4500K/6000K | D320*H100mm | 35,000hrs |
| A-CE24H   | AC100~240V    | 24W   | 1650-1700lm | 160°       | 3000K/4500K/6000K | D350*H100mm | 35,000hrs |

## DRAWING



| Model | A-Diameter(mm) | B-Height(mm) |
|-------|----------------|--------------|
| 12W   | 290            | 100          |
| 18W   | 320            | 100          |
| 24W   | 350            | 100          |

## LIGHT DISTRIBUTION





# LED Flood Light

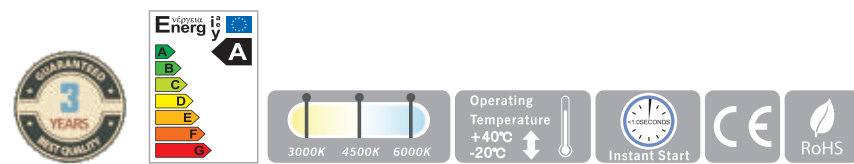
## FEATURES

- Long lifetime: LED lifetime up to 50,000hrs
- Dust and waterproof rating IP65
- Easy installation: build-in LED driver, convenient wiring connection
- Low lamp body temperature
- Low maintenance cost



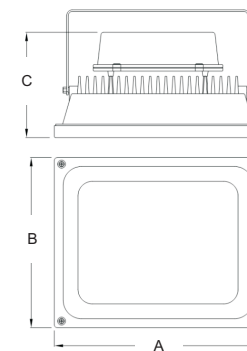
## APPLICATION

- Outdoor buildings
- Bridge
- Statue
- Ancient buildings



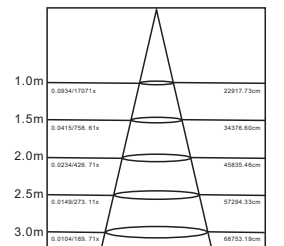
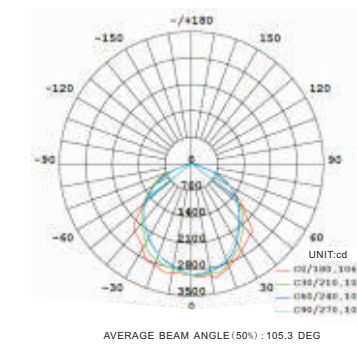
| Model No. | Input Voltage | Power | Lumen  | Beam angle | CCT               | Size          | CRI                | Lifetime  |
|-----------|---------------|-------|--|------------|-------------------|---------------|--------------------|-----------|
| A-FL10A   | AC85-265V     | 10W   | WW-700-750lm<br>NW-750-800lm<br>CW-800-850lm       | 100°       | 3000K/4500K/6000K | 114*86*85mm   | CW>70Ra<br>WW>80Ra | 35,000hrs |
| A-FL20A   | AC85-265V     | 20W   | WW-1450-1500lm<br>NW-1500-1550lm<br>CW-1600-1650lm | 100°       | 3000K/4500K/6000K | 179*140*112mm | CW>70Ra<br>WW>80Ra | 35,000hrs |
| A-FL50A   | AC85-265V     | 50W   | WW-3900-3950lm<br>NW-3950-4000lm<br>CW-4000-4200lm | 100°       | 3000K/4500K/6000K | 285*233*144mm | CW>70Ra<br>WW>80Ra | 35,000hrs |
| A-FL100A  | AC85-265V     | 100W  | WW-7500-7800lm<br>NW-7800-8000lm<br>CW-8000-8200lm | 100°       | 3000K/4500K/6000K | 384*283*182mm | CW>70Ra<br>WW>80Ra | 35,000hrs |

## DRAWING



| Model | A-Length(mm) | B-Width(mm) | C-Height(mm) |
|-------|--------------|-------------|--------------|
| 10W   | 114          | 86          | 85           |
| 20W   | 179          | 140         | 112          |
| 50W   | 285          | 233         | 144          |
| 100W  | 384          | 283         | 182          |

## LIGHT DISTRIBUTION



# LED High Bay Light

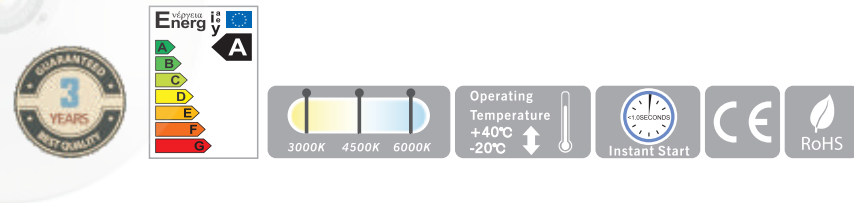
## FEATURES

- Same shape design compatible with the traditional lamp
- Die-casting aluminum heat sink of convective heat dissipation, excellent heat dissipation
- Uniform illumination, meet the requirements of a variety of large space lighting



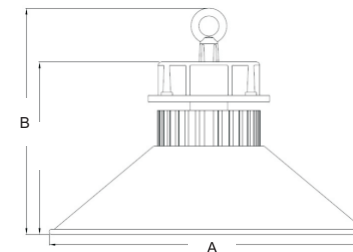
## APPLICATION

- Workshop
- Factory building
- Freezer
- Highway toll station
- Gas station
- Supermarket
- Stadium



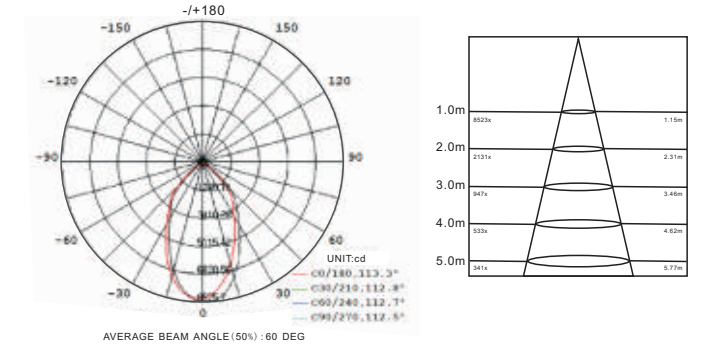
| Model No. | Input Voltage | Power | Lumen         | Beam angle | CCT               | Size          | Lifetime  |
|-----------|---------------|-------|---------------|------------|-------------------|---------------|-----------|
| A-BY60H   | AC85-265V     | 60W   | 5500-6000lm   | 60°/120°   | 3000K/4500K/6000K | D408*H566mm   | 35,000hrs |
| A-BY80H   | AC85-265V     | 80W   | 7500-8000lm   | 60°/120°   | 3000K/4500K/6000K | D408*H566mm   | 35,000hrs |
| A-BY100A  | AC85-265V     | 100W  | 9500-10000lm  | 60°/120°   | 3000K/4500K/6000K | D410*H468mm   | 35,000hrs |
| A-BY120H  | AC85-265V     | 120W  | 11000-11500lm | 60°/120°   | 3000K/4500K/6000K | D500*H528.5mm | 35,000hrs |
| A-BY160H  | AC85-265V     | 160W  | 15000-15500lm | 60°/120°   | 3000K/4500K/6000K | D500*H528.5mm | 35,000hrs |

## DRAWING



| Model | A-Diameter(mm) | B-Height(mm) |
|-------|----------------|--------------|
| 60W   | 408            | 566          |
| 80W   | 408            | 566          |
| 100W  | 410            | 468          |
| 120W  | 500            | 528.5        |
| 160W  | 500            | 528.5        |

## LIGHT DISTRIBUTION



# Lighting Guide

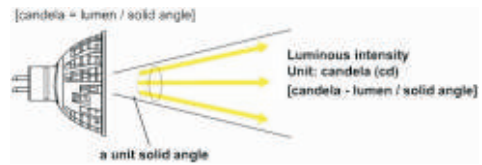
## 1) Lumen (lm)

Lumen is the international(SI)unit of luminous flux, a measure of overall light emitted by a light source.



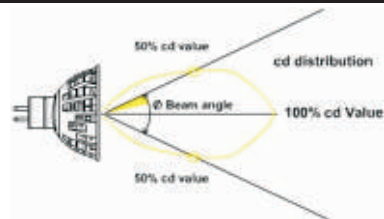
## 2) Candela (cd)

Candela is the international(SI) unit of luminous intensity, a measure of light emitted by a light source in a particular direction. Any given light source will have different luminous intensities in different directions considered. [candela = lumen/solid angle]



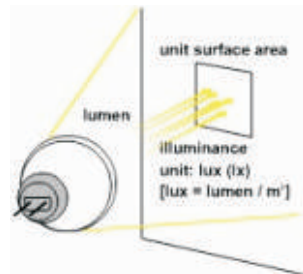
## 3) Beam Angle [Unit : degree]

Beam angle is the angle between two directions for which the luminous intensity is 50% of the maximum intensity as measured in a plane through the nominal beam centerline. Beam angle of a lamp gives an idea of how the light beam spreads away from the beam center.



## 4) LUX (lx)

Lux is the international(SI)unit of illuminance, a measure of light arriving at a surface, 1 lumen per square foot equals 1 footcandle, while 1 lumen per square meter equals 1 lux. [lux = lumen/m<sup>2</sup>]



## 5) Color Temperature / Correlated Color Temperature (CCT)

A black-body radiator will have different colors when it is heated up to different temperatures (in Kelvin). The temperature at which the heated black-body radiator matches the color of the light source is the color temperature of the light source.



## 6) Color Rendering Index (CRI)

Color rendering index ranges from 0-100, measures a light source's ability to reproduce the color of various objects being lit by reference light source, black body radiator (CRI=100)

## 7) Efficacy (lm/W)

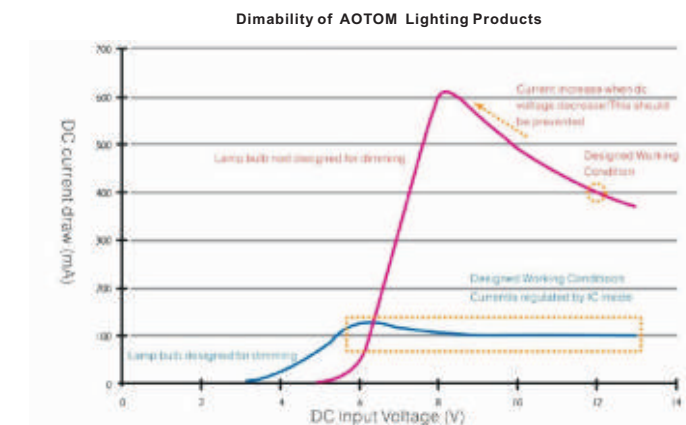
Efficacy is the efficiency of a light source to convert electricity power to light which is expressed in lumen output per unit power input (watt) [Efficacy = lumen / wattage]

## 8) Design Life Time

Design life time is the average life of lighting product when it is operated at nominal lamp voltage, current and controlled working environment. Actual lamp life will vary because of any differences from those rating conditions.

## 9) Dimmability

Not all lighting products are designed for dimming function. Dimming a non-dimmable LED lighting product will cause unpredictable results and may affect the life time of the products. The below figure shows the typical input current variation while adjusting the DC voltage input to dimmable and non-dimmable products.





# Why LED Lighting

## 1) Long service life

LED has longer lifetime compared to conventional light source. LED will last up to 25-30 years, therefore replacing them is not needed frequently.

Incandescent Lamp  
GLS  
Classic A  
40W  
Lifetime:1,000h

35X



LED Lamp  
A60  
A-type  
8W  
Lifetime:35,000h

1X



## 2) Low energy consumption

Save up to 80% power usage by replacing a conventional light source with LED bulbs. Electric fee and changing rates of the light are reduced therefore maintenance costs can be decreased.

### Comparison in Economical Efficiency

|                              | Incandescent lamp | LED Bulb  |           |
|------------------------------|-------------------|-----------|-----------|
| Power consumption            | 40W               | 8W        | 80% saved |
| Efficiency                   | 12LM/W            | 80LM/W    | 6.6 times |
| Annual electricity cost(USD) | US\$7.8           | US\$1.52  | 80% saved |
| Life span                    | 1,000hrs          | 35,000HRS | 35 times  |

\*Electricity price US\$0.19/1KWH

\*Running,1,000hrs a year

## 3) Environment-friendly light source

LED lighting has no toxic materials and it does not pollute the environment. Also, the emission rate of CO2 is 1/7 of an incandescent light.

## 4) Athermancy and No IR & UV

LED bulb produces less heat than the conventional lights. LED is operating at less than 60°C. No burning fingers which means more safety. Also, there is no UV or IR in the light beam of LED bulbs, making it suitable for illuminating heat-sensitive objects, such as cloths and paintings, etc.

## 5) Wireless lighting system

The instant startup time is 1/100,000 of incandescent bulbs; therefore it is possible to control light with wireless system. It is very easy to change the color temperature, on/off, also monitor the bulbs situation.

# How to choose right LED bulb

## 1) Estimate desired wattage and compare brightness levels carefully

Wattage is the measurement of electricity or power. LED light bulbs are vastly more efficient, using much less power. A 8 watt LED bulb is likely to give you the same amount of brightness as a 40 watt incandescent bulb. We can read the package to choose desired illumination level.

## 2) Level of lighting focus, or lighting angle

When you are choosing an LED light, it will be important to know how it will be used and where it will be installed. If you are fitting bulbs in a display cabinet, you may require a very tightly focused beam of light directed at on a displayed single item. For a reading corner, bedside lamp or desk lamp, you may need a slightly wider cone of light. Make sure almost 100% of the light is directed exactly on where you need it, rather than being wasted, diluted and scattered everywhere.

## 3) Choose between warm and cool light

When we describe a light as warm and cool white, we are referring to its color temperature. The color temperature is a measurement that is used to define the color of a light.

"Warm White" = 2700/3000K;

"Natural White" = 3500K;

"Cool White" = 4100K;

"Daylight White" = 5000K or more.

## 4) Standard base or pin base

## 5) Aware of fitting for bulbs

LEDs are available in several types of 'pin' sockets or the standard "screw" (Edison) bases for recessed or track lighting. It will be necessary to identify whether they are for 100-240 volt connections or 12 volt connections. Make sure you know which connection you need.