



## CATALOGUE 2021-2022

# LED BULB



- Using high durability and fireproof PC plastic cover.
- Using high performance Samsung LED chip.
- Product saves 50% energy compared with the compact bulbs.
- Products have no ultraviolet rays, no infrared rays, no mercury.
- Products is ideal to replace the traditional bulb.
- Compact size suitable for fitting with E27 cap lamps.
- Application: the product has a variety of lighting applications, suitable for all spaces.

**\* Product meets EMC anti-interference standard**

50-60% energy saving	Standard E27 lamp cap	Radiant light High color rendering	Non mercury Non UV rays	Easy installation	30.000 Hours Long life time

MODEL	POWER	VOLTAGE	COLOR TEMPERATURE	LUMINOUS FLUX (lm)	DIMENSION (mm)	CRI
AYD317	5W	220-240VAC	3000K	680	55x103	85
AYD318	7W	220-240VAC	3000K	930	60x109	85
AYD319	9W	220-240VAC	3000K	1000	65x127	85
AYD617	5W	220-240VAC	6500K	680	55x103	85
AYD618	7W	220-240VAC	6500K	930	60x109	85
AYD619	9W	220-240VAC	6500K	1000	65x127	85

**Note:**

- Specifications have tolerances  $\pm 10\%$
- Optical parameters are measured directly from the LED chip

## SURFACED LED PANEL



### Characteristics:

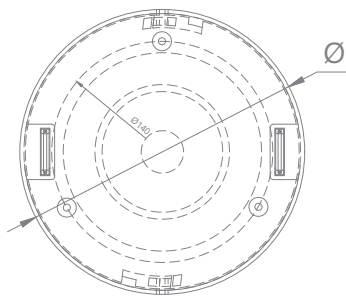
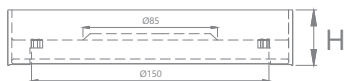
- The body is made of powder coated tole material with good heat dissipation, increasing the aesthetics of the project.
- The lighting surface is made of optically dispersed mica material, with high light conductivity.

### Application:

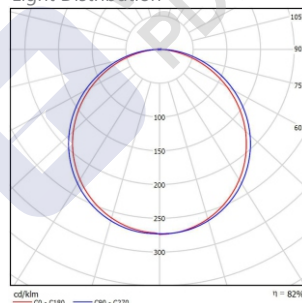
- Suitable for lighting installation of houses, offices, restaurants, hotels, showrooms, shops,...



**\* Product meets EMC anti-interference standard**



### Light Distribution



AYD609

### Cone Diagram

Nominal Beam Angle = 120°

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

AC220V	50Hz	Tc(K) 3000K/6500K	Ra >85	Luminous Efficiency 110lm/W	CE	F	⊕	50000 (h)	RoHS Compliant	Non-Dimmable
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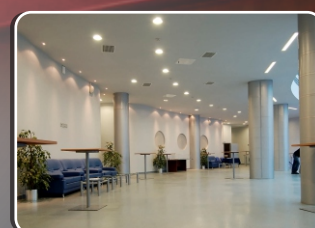
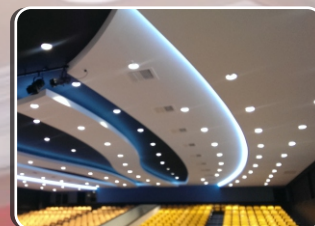
MODEL	POWER	VOLTAGE	COLOR TEMPERATURE	LUMINOUS FLUX (lm)	DIMENSION ØxH (mm)	CRI
AYD307	6W	220-240VAC	3000K	415	120x40	85
AYD308	12W	220-240VAC	3000K	850	140x40	85
AYD309	15W	220-240VAC	3000K	1250	170x40	85
AYD607	6W	220-240VAC	6500K	415	120x40	85
AYD608	12W	220-240VAC	6500K	850	140x40	85
AYD609	15W	220-240VAC	6500K	1250	170x40	85

**Note:** - The specifications have a tolerance of  $\pm 10\%$ .

- Optical parameters are measured directly from the LED Chip.



# HIGH CLASS LED PANEL LIGHT



**Products are protected exclusively at the Department of Intellectual Property**

## Characteristics:

- Application of light-conducting technology on photoconductive plates according to the principle of total reflection. The light is evenly distributed over the surface and is completely glare-free.
- Using high-quality LED chips, saving 80% of power consumption compared to fluorescent lamps.
- High color rendering index Ra >85.
- With a slim, luxurious design, combining technology, aesthetics and lighting specifications.

**\* Product meets EMC anti-interference standard**

## Application:

- Suitable for installation in hotels, work areas, offices, houses,...



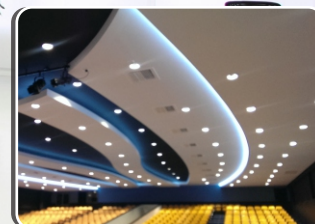
MODEL	POWER	VOLTAGE	COLOR TEMPERATURE	LUMINOUS FLUX (lm)	DIMENSION (mm)	CUT-OUT (mm)	CRI
AYD313	6W	220-240VAC	3000K	350	Ø118x28	Ø105	85
AYD613	6W	220-240VAC	6500K	350	Ø118x28	Ø105	85

## Note:

- Specifications have tolerances  $\pm 10\%$
- Optical parameters are measured directly from the LED chip



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**\* Product meets EMC anti-interference standard**

## Application:

- Suitable for installation in hotels, work areas, offices, houses,...

MODEL	POWER	VOLTAGE	COLOR TEMPERATURE	LUMINOUS FLUX (lm)	DIMENSION (mm)	CUT-OUT (mm)	CRI
AYD316	12W	220V	3000K	1350	Ø167x28	Ø155	85
AYD616	12W	220V	6500K	1350	Ø167x28	Ø155	85

## Note:

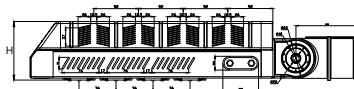
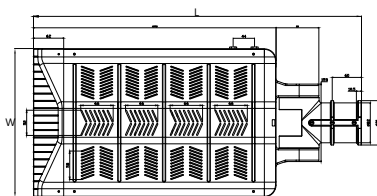
- Specifications have tolerances ±10%
- Optical parameters are measured directly from the LED chip

## HIGH-CLASS LED STREET LIGHT

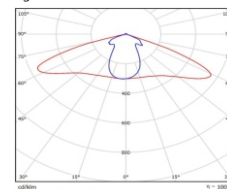


- LED street lights use high-power LED light sources, to replace the traditional street lights in use such as high-pressure mercury lamps, sodium vapor lamps or halogen lamps ...
- With a high capacity factor > 0.9, it helps to reduce electric energy consumption, save 80% of total cost per year, increase economic efficiency.
- Product design meets IP65 standard, is impact resistant and waterproof, durable, instant light on.
- Surge protection against surge: 6KV anti-surge SPD device.
- Loss coefficient of luminous flux after 100,000 hours:  $\geq 70\%$ .
- Wide beam angle >  $100^\circ$ .
- Lighting applications for highways, streets, internal roads, ...

AC220V	50Hz	Tc(K) 3000K/6000K	Ra >80	Luminous Efficiency 140lm/W	CE	F	⌚	50.000 (h)	RoHS Compliant	Non-Dimmable
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Light Distribution



AYN501

Cone Diagram

Nominal Beam Angle = $140^\circ$			
Illuminance at Center	Beam Diameter		
2m 481 lux	11.2m		
4m 124 lux	22.3m		
6m 57 lux	33.5m		
8m 31 lux	44.6m		

MODEL	POWER	VOLTAGE	COLOR TEMPERATURE	PF	LUMINOUS FLUX (lm)	DIMENSION (mm)	CRI	IP
AYN401	100W	100-240VAC	4000K	>0.9	15500	674x315x122	80	65
AYN402	120W	100-240VAC	4000K	>0.9	17600	674x315x122	80	65
AYN403	150W	100-240VAC	4000K	>0.9	22000	674x315x122	80	65
AYN501	100W	100-240VAC	5700K	>0.9	15500	674x315x122	80	65
AYN502	120W	100-240VAC	5700K	>0.9	17600	674x315x122	80	65
AYN503	150W	100-240VAC	5700K	>0.9	22000	674x315x122	80	65

### Note:

- Specifications have tolerances  $\pm 10\%$
- Optical parameters are measured directly from the LED chip



## WATER-PROOF HIGHBAY LED LIGHT



### Characteristics:

- High quality aluminum alloy lamp body, good heat dissipation, anti-corrosion powder coated surface.
- Instant start-up, no warm-up time, no flickering light.
- Save 80% power consumption compared to conventional high-voltage lamps.
- The lamp uses a low-voltage isolation driver that is safe for users.
- Design separate optical and electrical parts. Each part is designed to be waterproof to IP65 standards (not for outdoor use).
- The lamp is designed to be used in cold storage environments -20°C to 45°C.

\* High-end product line is equipped with EMC anti-interference, overvoltage protection, short circuit protection, withstands 6kV lightning surges, operating voltage from 220V to 240V, frequency 50Hz/60Hz, therefore suitable for most workshops with many devices.

### Application:

- Lighting of warehouses with high humidity, cold storage for agricultural products, medicine storage, frozen storage for frozen food,...



MODEL	POWER	VOLTAGE	COLOR TEMPERATURE	LUMINOUS FLUX (lm)	DIMENSION ØxH (mm)	CRI	IP
AYC301	50W	220-240VAC	3000K	5800	230x145	85	65
AYC302	100W	220-240VAC	3000K	10800	290x150	85	65
AYC303	150W	220-240VAC	3000K	15500	345x190	85	65
AYC304	200W	220-240VAC	3000K	20500	410x190	85	65
AYC601	50W	220-240VAC	6500K	5800	230x145	85	65
AYC602	100W	220-240VAC	6500K	10800	290x150	85	65
AYC603	150W	220-240VAC	6500K	15500	345x190	85	65
AYC604	200W	220-240VAC	6500K	20500	410x190	85	65

### Note:

- Specifications have tolerances  $\pm 10\%$
- Optical parameters are measured directly from the LED chip



# DUHAL LED

- Leading Lighting Equipment  
Manufacturer in Vietnam

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- Today Quality  
Tomorrow Development

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- Manufactured according to international  
standards ISO 9001:2015

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Contact:

