CE SGS ISO 9001:2005 RoHS IP65

LUMIDEN®

By Denetron

2020

LED UNDERWATER LIGHTING CATALOGUE

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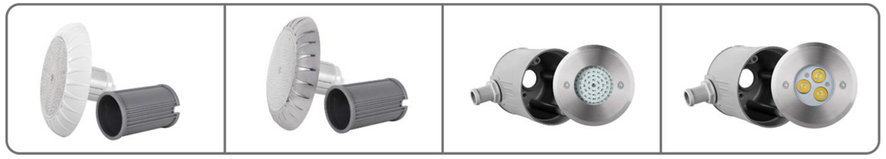
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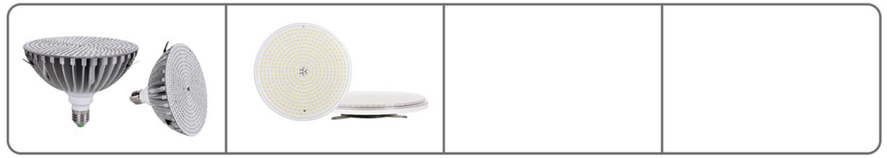
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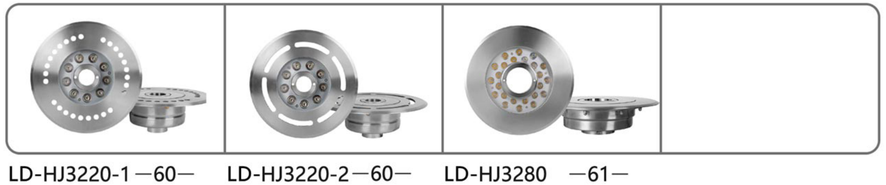
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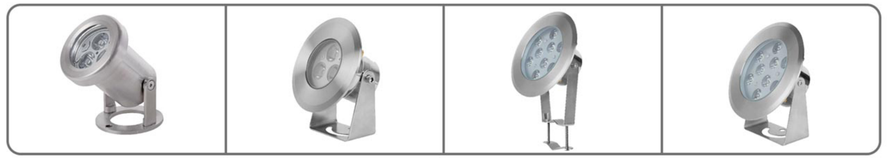
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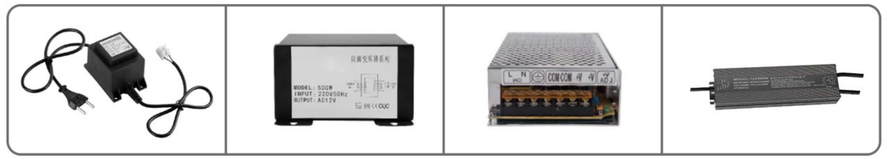
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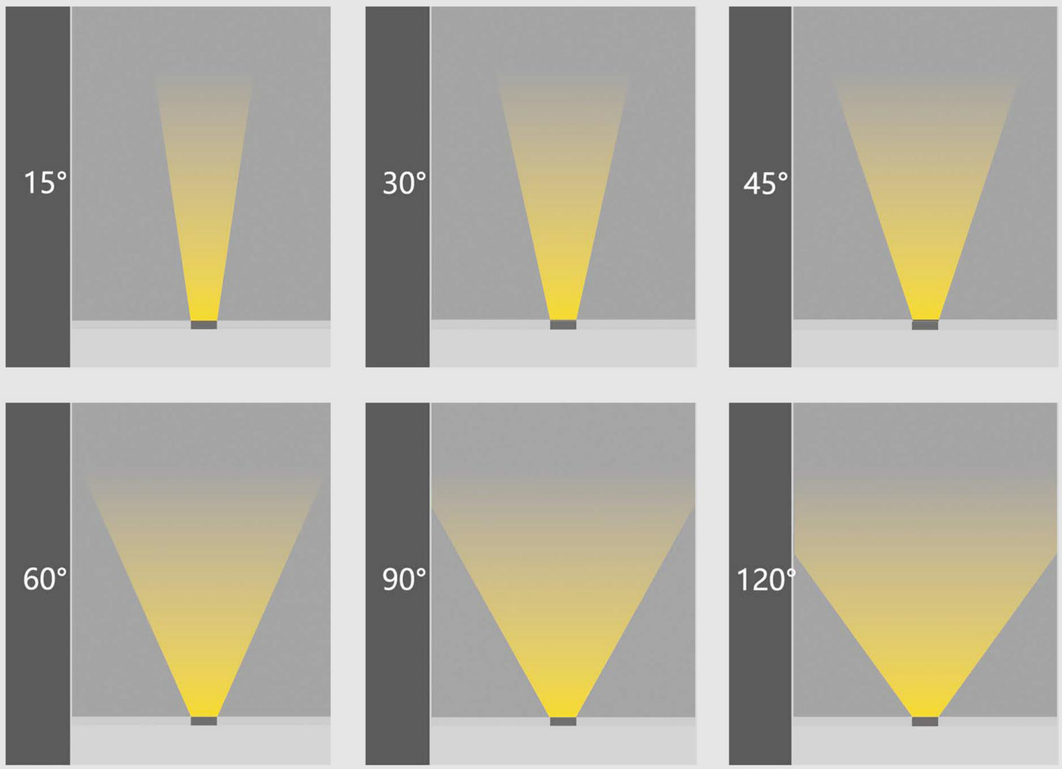
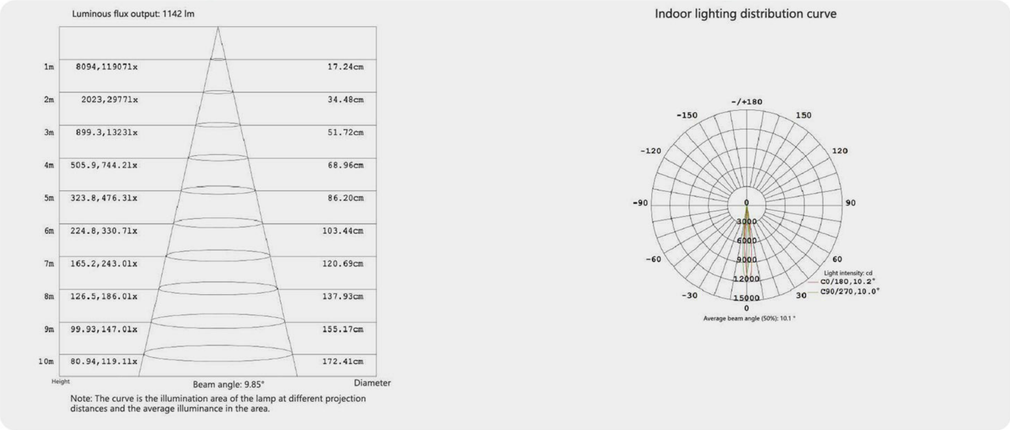


www.lederlight.com

CREE Light Source 60° Lens

(Figure 1) is the illumination area of the lamp at different projection distances and the average illuminance in the area

(Figure 1)



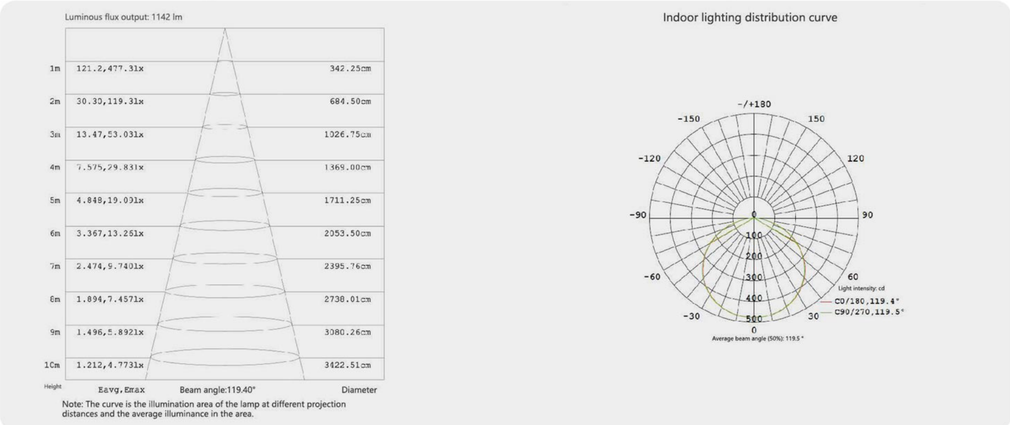
(Figure 2) is the light distribution curve of the lamp in the room

(Figure 2)

SMD2835 Light Source 120°

(Figure 3) is the illumination area of the lamp at different projection distances and the average illuminance in the area

(Figure 3)

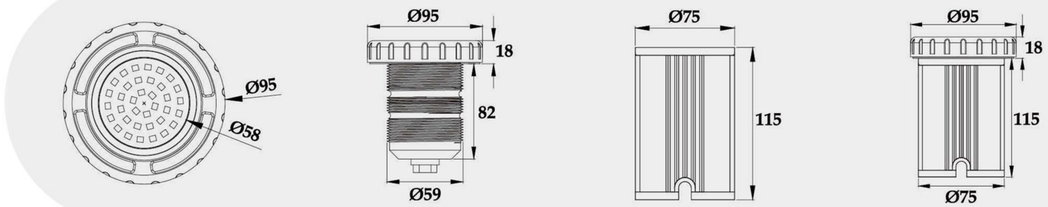


(Figure 4) is the light distribution curve of the lamp in the room

(Figure 4)

LD-HJ6031S

LD-HJ6031H



PRODUCT DETAILS

*For common swimming pool, vinyl liner pool

Body Material
ABS+UV

Wire
VDE Certification

Working Temperature
-20℃ ~45℃

Lifespan
≥50,000 Hours

Lens Material
PC

Light Source
5050

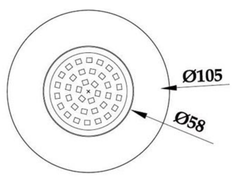
Light Source
CREE

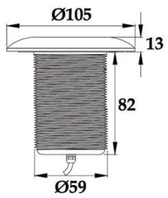
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6031S	SMD5050 (EPISTAR)	5W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		5W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		
LD-HJ6031H	CREE	6W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		6W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

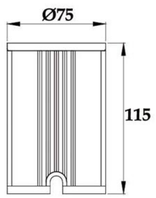
LD-HJ6032S

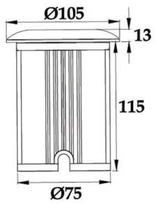
LD-HJ6032C

LD-HJ6032H









PRODUCT DETAILS

*For common swimming pool, vinyl liner pool

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~45°C

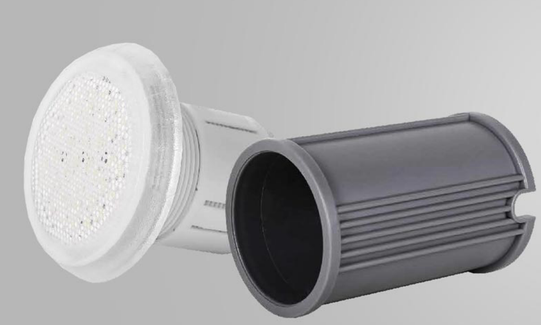
Lifespan
≥50,000 Hours

Lens Material
8 mm thickness tempered glass

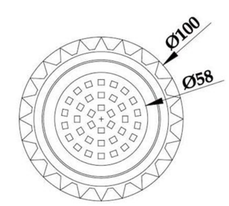
Light Source
5050

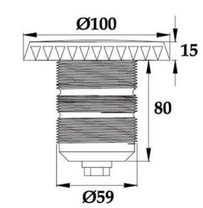
Light Source
CREE

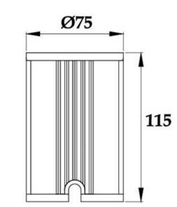
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6032S	SMD5050 (EPISTAR)	5W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		5W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		
LD-HJ6032C	COB LED (EPISTAR)	10W	Single Color	12V/24V AC/DC		
LD-HJ6032H	CREE	6W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		6W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

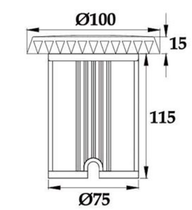


LD-HJ8041









PRODUCT DETAILS

*For common swimming pool, concrete pool & vinyl liner pool

Body Material
ABS+UV

Wire
VDE Certification

Working Temperature
-20°C ~38°C

Lifespan
≥50,000 Hours

Lens Material:PC
Angular anti-glare design

Light Source
5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8041	SMD5050 (EPISTAR)	5W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
		5W(RGBW)	RGBW(5 Wires)	12V/24V DC	

Installation Instruction for Vinyl Liner Pool

Installation Steps

1. Before installing, make sure that the niche with size of diameter of 63mm is prepared in the wall or vinyl liner.
2. Put the transparent vinyl spacer and white waterproof spacer on the niche. Lead the waterproof wire and lamp body through the spacers and niche till the face plate of lamp attaches to vinyl liner or wall.
3. On the back of vinyl liner or wall, sleeve the other transparent vinyl spacer onto the lamp body and fasten it with clamp nut till it attaches to vinyl liner or wall.

Installation Instruction for Concrete Pool

Installation Steps

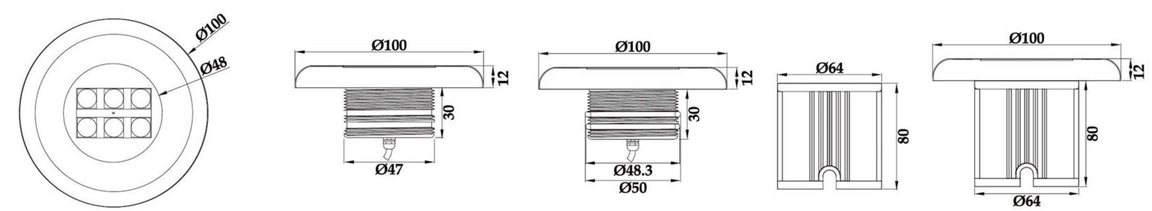
1. Before installing, make sure that the niche with size of diameter of 63mm is prepared in the wall to contain the body of lamp.
2. Screw the white confinement from end of lamp body onto it completely.
3. Lead the waterproof wire into the niche in the wall and connect it to transformer or junction box.
4. Embed the lamp body with white confinement into the niche. The white confinement to fix firmly the lamp body onto the niche till the face plate of lamp attaches to the wall.

Installation Instruction for Concrete Pool

Installation Steps

1. Before installing, make sure that the niche with size of diameter of 63mm is prepared in the wall to contain the body of lamp.
2.S leeve rubber rings from the end of lamp body into the grooves and make sure rubber rings embedded completely into grooves.
3. Lead the waterproof wire into the niche in the wall and connect it to transformer or junction box.
4. Embed the lamp body with rubber rings into the niche. The rubber rings to fix firmly the lamp body onto the niche till the face plate of lamp attaches to the wall.

LD-HJ8060



PRODUCT DETAILS

*For common pool & concrete pool

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~40°C

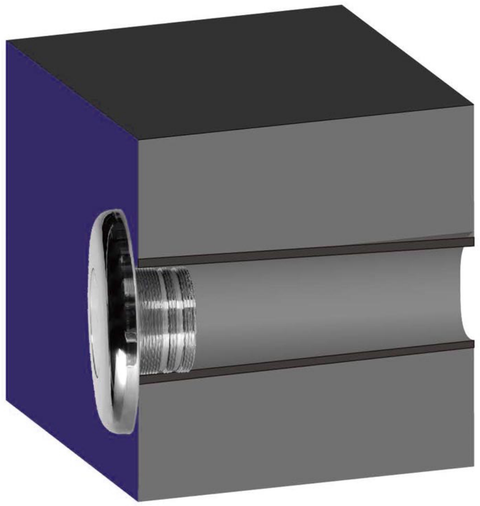
Lifespan
≥50,000 Hours

Lens Material
PC

Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8060	CREE	10W 18W	Single Color RGB(4 Wires)	12V/24V DC	120°
		35W	Single Color		

LD-HJ8060 Installation Instruction

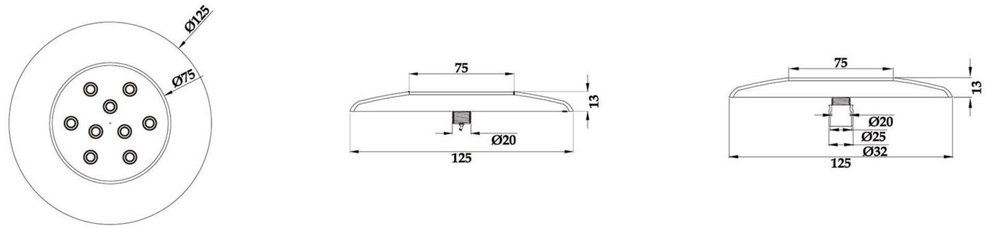


Installation Steps

1. Before installing, make sure that the 50mm (Metric Units) pipe is prepared in the wall to contain the body of lamp.
2. Sleeve rubber rings from the end of lamp body into the grooves and make sure rubber rings embedded completely into grooves.
3. Put the waterproof wire into the pipe ,which pipe is prepared in the wall. Then connect it to transformer or junction box.
4. Embed the lamp body with rubber rings into the pipe. Using the rubber rings to fix firmly the lamp body into the pipe till the face plate of lamp attaches to the wall.

Practical Application for LD-HJ8060

LD-HJ8061



PRODUCT DETAILS

*For common pool & concrete pool

Body Material
ABS+UV

Wire
VDE Certification

Working Temperature
-20°C ~ 40°C

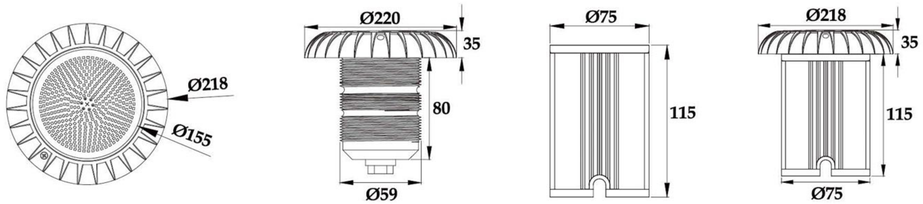
Lifespan
≥50,000 Hours

Light Source
3030

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8061	SMD3030	9W	Single Color	12V DC	120°
			RGB(4 Wires)		

LD-HJ8002V

LD-HJ8006V



PRODUCT DETAILS

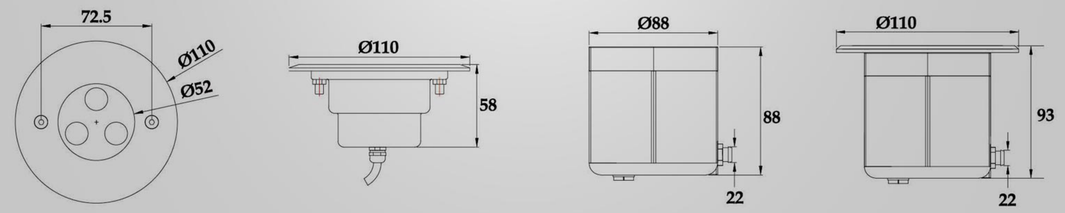
*For vinyl liner pool, concrete pool

- **LD-HJ8002V Body Material** ABS+UV
- **LD-HJ8006V Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Lifespan** ≥50,000 Hours
- **Working Temperature** -20°C ~40°C
- **Light Source** 2835

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8002V	SMD2835 (EPISTAR)	18W 25W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
LD-HJ8006V	SMD2835 (EPISTAR)	18W 25W 35W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	

LD-HJ6027S

LD-HJ6027H



PRODUCT DETAILS

*For common swimming pool, high temperature pool & stairs

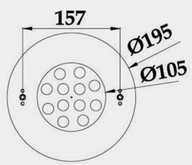
- **Body Material** Stainless steel 316/304
- **Lifespan** ≥50,000 Hours
- **Light Source** 2835
- **Wire** VDE Certification
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** CREE
- **Working Temperature** -20°C ~48°C

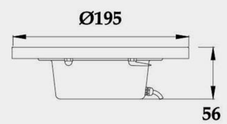
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6027S	SMD2835 (EPISTAR)	5W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ6027H	CREE	3W 6W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		6W(RGBW)	RGBW(5 Wires)	12V/24V DC		

LD-HJ6006S

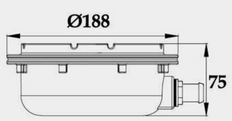
LD-HJ6006H

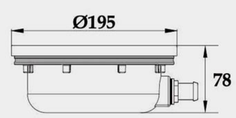
Niche for Vinyl Liner Pool





Niche for Concrete Pool





PRODUCT DETAILS

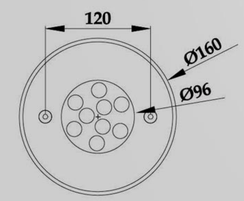
*For common swimming pool, vinyl liner pool

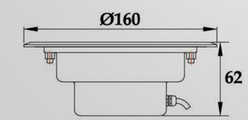
- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 48°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** 3030
- **Light Source** CREE

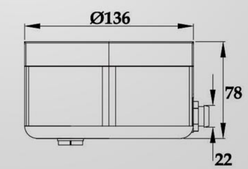
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6006S	SMD3030 (EPISTAR)	12W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ6006H	CREE	6W 9W 12W 18W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		

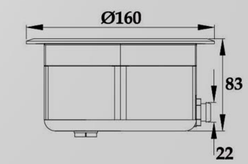
LD-HJ6028S

LD-HJ6028H









PRODUCT DETAILS

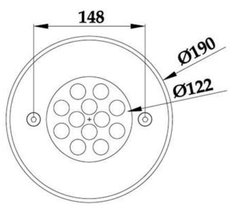
*For common swimming pool, high temperature pool

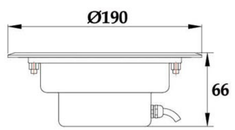
- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 48°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** 3030
- **Light Source** CREE

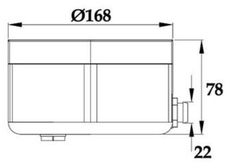
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6028S	SMD3030 (EPISTAR)	10W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		
LD-HJ6028H	CREE	6W 9W 12W 18W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		
		12W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

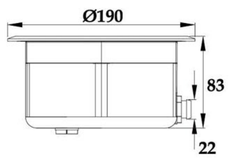
LD-HJ6029S

LD-HJ6029H









PRODUCT DETAILS

*For common swimming pool, high temperature pool

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~48°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** 5050
- **Light Source** CREE

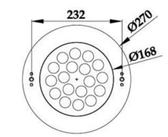
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6029S	SMD5050 (EPISTAR)	15W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		
LD-HJ6029H	CREE	12W 18W 25W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		
		12W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

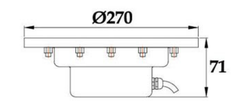
LD-HJ6007S

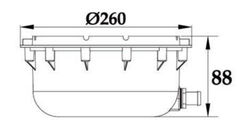
LD-HJ6007H

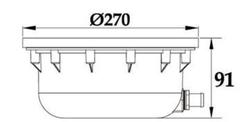
Niche for Concrete Pool

Niche for Vinyl Liner Pool









PRODUCT DETAILS

*For common swimming pool, vinyl liner pool

- **Body Material** Stainless steel 316/304 Electropolished
- **Working Temperature** HJ6007S: -20°C ~40°C HJ6007H: -20°C ~48°C
- **Wire** VDE Certification
- **Lifespan** ≥50,000 Hours
- **Light Source** 2835
- **Light Source** CREE
- **Light Source** 5050
- **Lens Material** HJ6007S: PC HJ6007H: 8 mm thickness tempered glass

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6007S	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		
LD-HJ6007H	CREE	12W 18W 25W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		

LD-HJ6006K

LD-HJ6007K

PRODUCT DETAILS

*For common swimming pool, vinyl liner pool

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
HJ6006K: -20°C ~48°C
HJ6007K: -20°C ~42°C

Lifespan
≥50,000 Hours

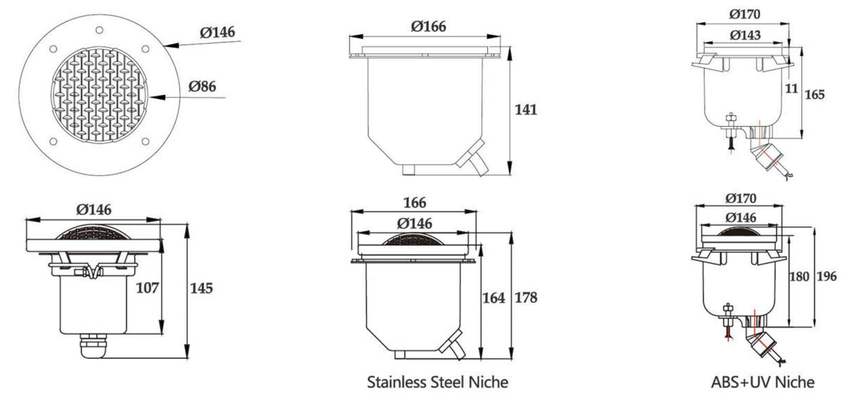
Lens Material
8 mm thickness tempered glass

Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6006K	CREE	18W	Single Color	12V/24V AC/DC	60°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX512	12V/24V DC	
		35W	Single Color	12V/24V AC/DC	
LD-HJ6007K	CREE	18W(RGBW)	RGBW(5 Wires)	12V/24V DC	
		18W 35W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX512	12V/24V DC	
		50W	Single Color	12V/24V AC/DC	
		25W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

LD-HJ6010S

LD-HJ6010H



PRODUCT DETAILS

*For common swimming pool

Body Material
Stainless steel 304

Wire
VDE Certification

Working Temperature
-20°C ~48°C

Lifespan
≥50,000 Hours

Lens Material
8 mm thickness tempered glass

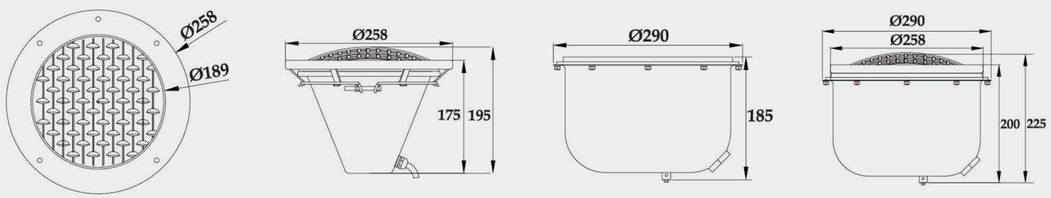
Light Source
2835

Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6010S	SMD2835 (EPISTAR)	12W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ6010H	CREE	9W 18W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		

LD-HJ6011S

LD-HJ6011H



PRODUCT DETAILS

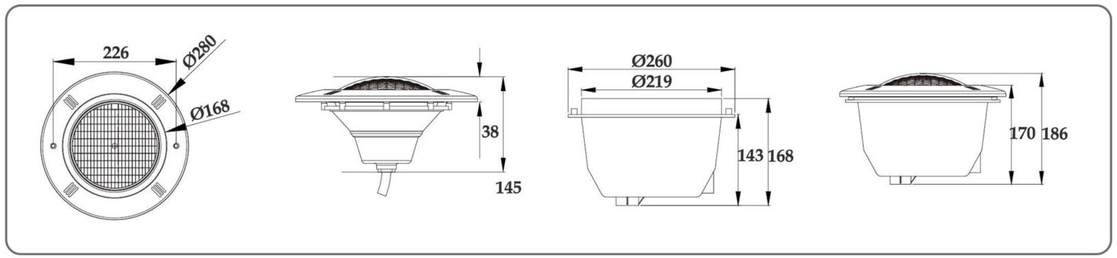
*For common swimming pool

- **Body Material** Stainless steel 304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6011S	SMD2835 (EPISTAR)	18W 25W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
LD-HJ6011H	CREE	18W 25W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	

LD-HJ6017S

LD-HJ6017VS(Viny Liner Pool)



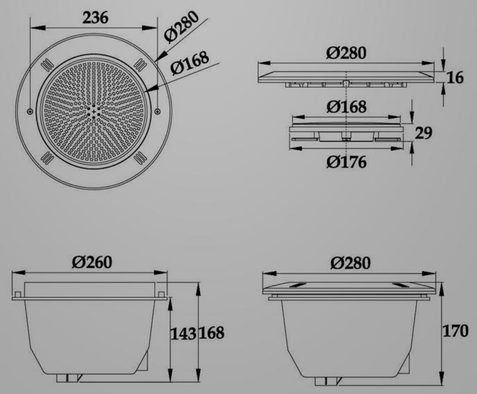
PRODUCT DETAILS

*For common swimming pool, vinyl liner pool

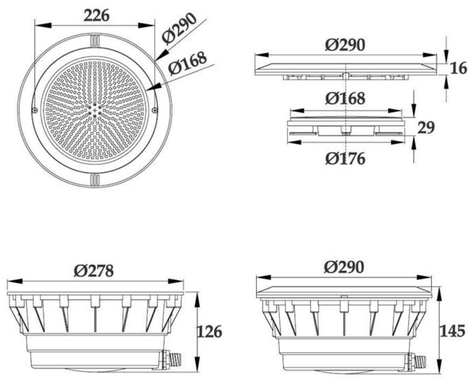
- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** 5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Applicable Field
LD-HJ6017S	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°	Concrete Pool
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		
LD-HJ6017VS (Viny Liner Pool)	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°	Vinyl Liner Pool
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

LD-HJ6015-2



LD-HJ6015-1



PRODUCT DETAILS

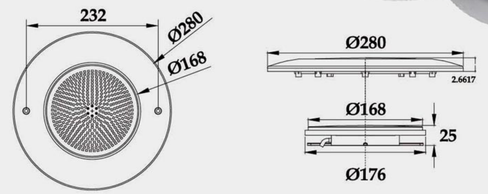
*For common swimming pool, vinyl liner pool

- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~40°C
- **Lifespan** ≥50,000 Hours
- **Light Source** 2835
- **Light Source** 5050
- **Face Ring Material** ABS/ Stainless steel 304
- **Lens Material** PC

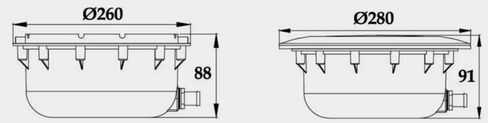
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6015-2	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ6015-1	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

LD-HJ6009R

Niche for Vinyl Liner Pool



Niche for Concrete Pool



PRODUCT DETAILS

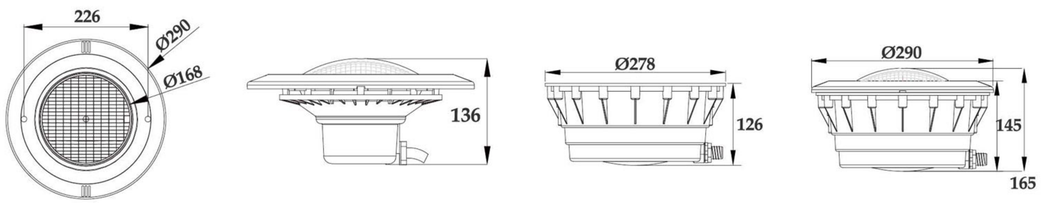
*For common swimming pool, vinyl liner pool

- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** 5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6009R	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

LD-HJ6016S

LD-HJ6016VS(Viny Liner Pool)

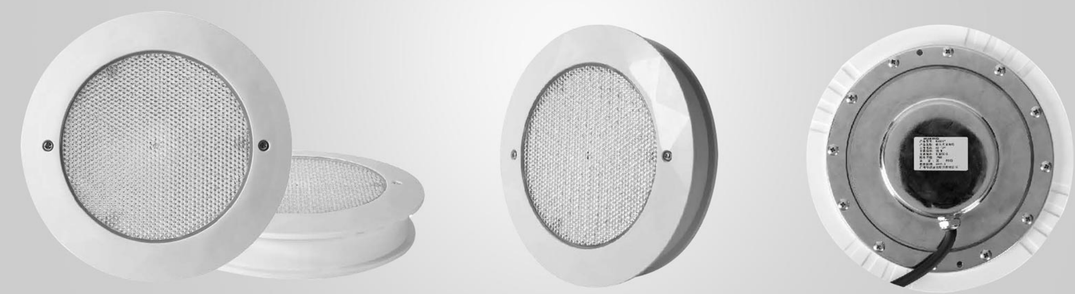


PRODUCT DETAILS

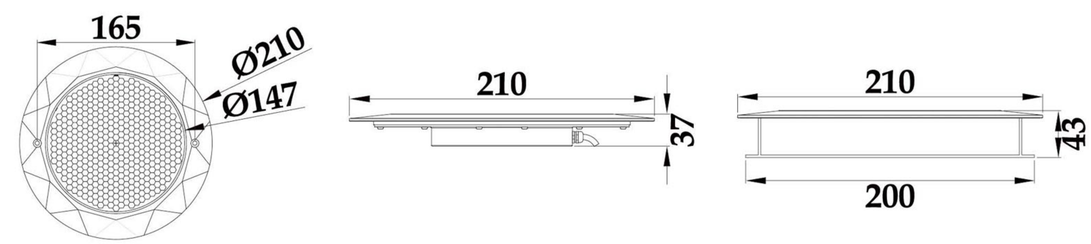
*For common swimming pool, vinyl liner pool

- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Face Ring Material** ABS/ Stainless steel 304
- **Light Source** 2835
- **Light Source** 5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Applicable Field
LD-HJ6016S	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°	Concrete Pool
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		
LD-HJ6016VS (Viny Liner Pool)	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°	Vinyl Liner Pool
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		



LD-HJ6037



PRODUCT DETAILS

*For common swimming pool, vinyl liner pool

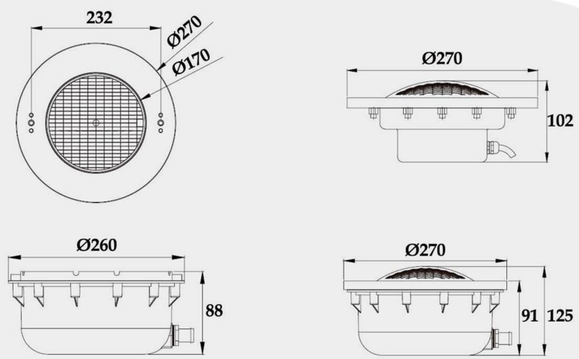
- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 5730
- **Light Source** 5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6037	SMD5730 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°
	SMD5050 (EPISTAR)	18W 25W	RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
		18W(RGBW)	RGBW(5 Wires)	12V/24V DC	

LD-HJ6008

Niche for Concrete Pool

Niche for Vinyl Liner Pool



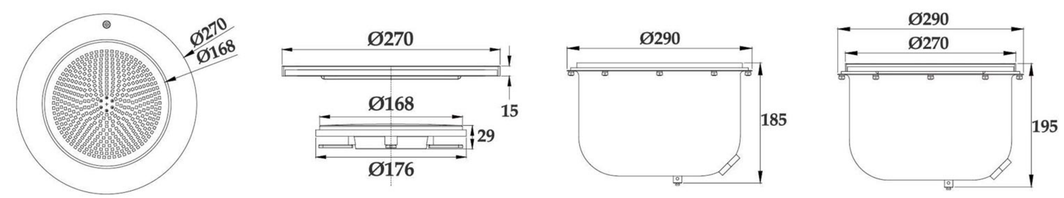
PRODUCT DETAILS

*For common swimming pool, vinyl liner pool

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~48°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6008	CREE	18W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX512	12V/24V DC	
		50W	Single Color	12V/24V AC/DC	

LD-HJ6015



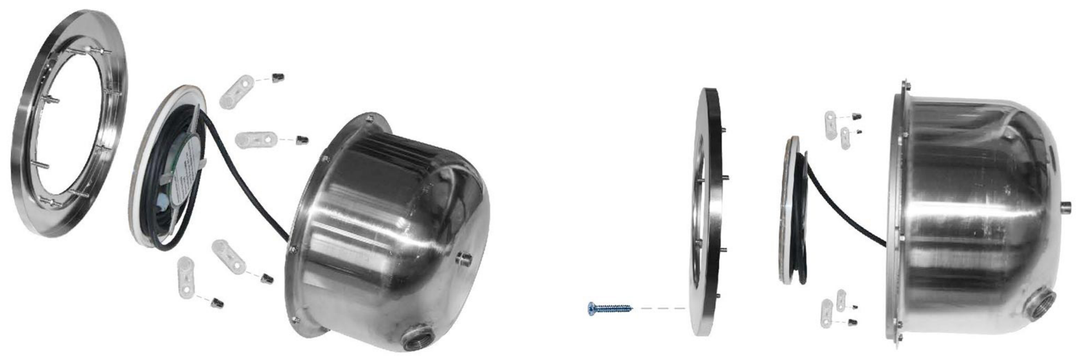
PRODUCT DETAILS

*For common swimming pool

- **Body Material** Stainless steel 316/304 Electropolished
- **Wire** VDE Certification
- **Working Temperature** -20°C ~40°C
- **Lifespan** ≥50,000 Hours
- **Light Source** 2835
- **Light Source** 5050
- **Lens Material** PC

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6015	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

Ultra Thinness PAR56 Replaces the Original Bulb



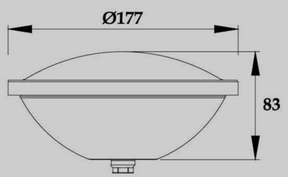
Construction of the Original Bulb

Alarm

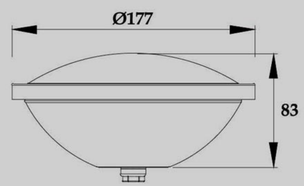
Model,style and quality of the new pool light should be the same as the original. For your safety, you should not replace the pool light until turning off the electricity and the light cooling down. Do not touch the light with bare hands.

- Disassemble the original light from the body container and keep other accessories.
- Screw the new bulb into the cover and make sure the screw holes line up and fasten the niche correctly.

LD-HJ7007



LD-HJ7008H



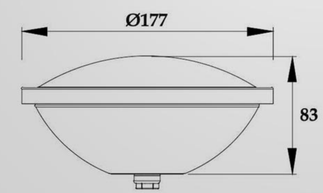
PRODUCT DETAILS

- **LD-HJ7007 Body Material** ABS+UV
- **LD-HJ7009 Body Material** Alumina
- **Light Source** 2835
- **LD-HJ7007 Lens Material** PC
- **LD-HJ7009 Base type** E27
- **Working Temperature** -20°C ~42°C
- **Lifespan** ≥50,000 Hours

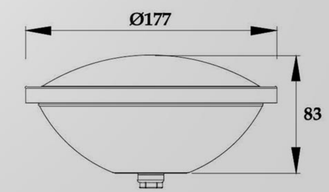
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ7007	SMD2835 (EPISTAR)	12W 18W 25W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	

LD-HJ7008H	CREE	12W 18W 25W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX 512	12V/24V DC		
		12W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

LD-HJ7008S



LD-HJ7008C



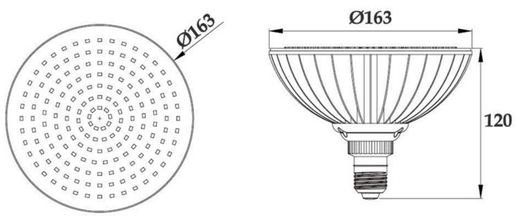
PRODUCT DETAILS

*International standard PAR56 size

- **Body Material** Stainless steel 316/304
- **Light Source** 2835
- **Light Source** CREE
- **Lifespan** ≥50,000 Hours
- **Light Source** 5050
- **Light Source** COB
- **Working Temperature** -20°C ~45°C
- **Lens Material** PC

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ7008S	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX 512	12V/24V DC		
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		
LD-HJ7008C	COB LED (EPISTAR)	25W 35W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light

LD-HJ7009

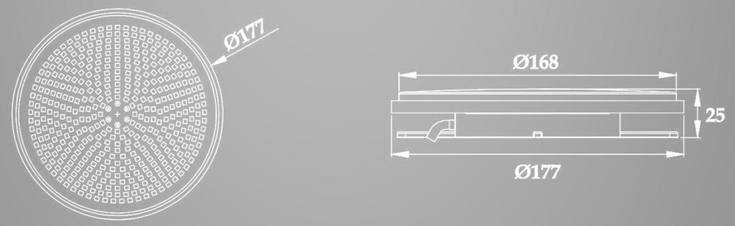


PRODUCT DETAILS

- **LD-HJ7007 Body Material** ABS+UV
- **LD-HJ7007 Lens Material** PC
- **Working Temperature** -20°C ~42°C
- **LD-HJ7009 Body Material** Alumina
- **LD-HJ7009 Base type** E27
- **Lifespan** ≥50,000 Hours
- **LD-Light Source** 2835

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ7009	SMD2835 (EPISTAR)	18W 25W 35W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	

LD-HJ7010



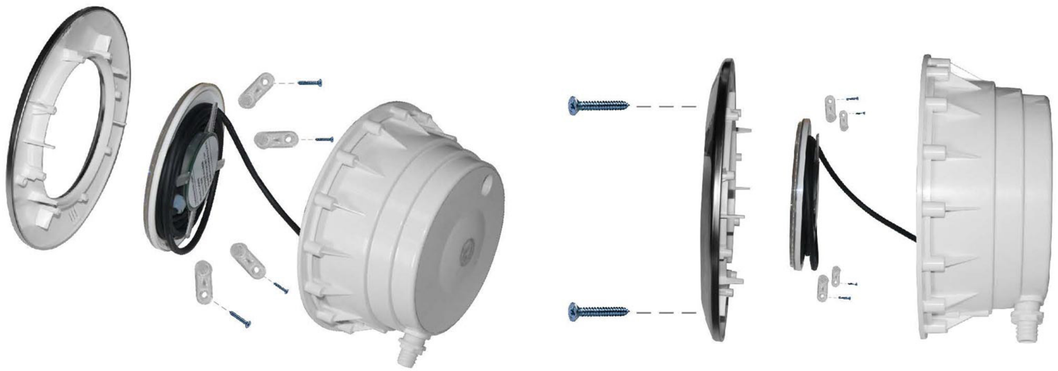
PRODUCT DETAILS

*International standard PAR56 size, resin full filled light source

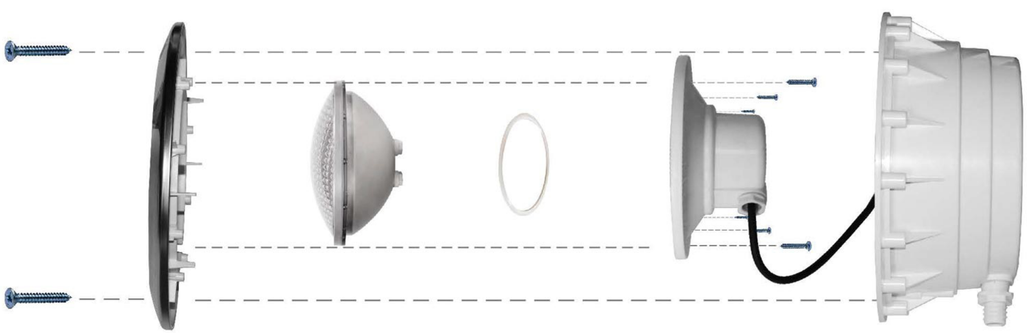
- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** 5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ7010	SMD2835 (EPISTAR)	18W 25W 30W 35 W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

Ultra Thinness PAR56 Replaces the Original Bulb



Construction of the Original Bulb

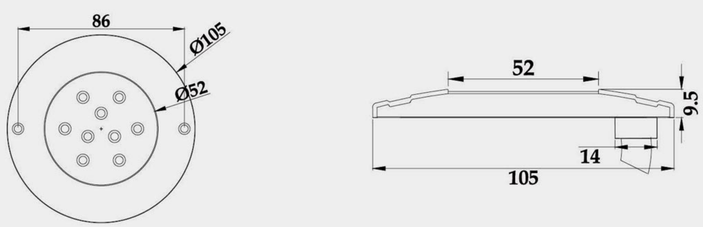


Alarm

Model,style and quality of the new pool light should be the same as the original. For your safety, you should not replace the pool light until turning off the electricity and the light cooling down. Do not touch the light with bare hands.

- Disassemble the original light from the body container and keep other accessories.
- Screw the new bulb into the cover and make sure the screw holes line up and fasten the niche correctly.

LD-HJ8030



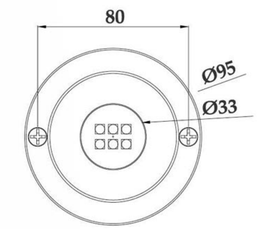
PRODUCT DETAILS

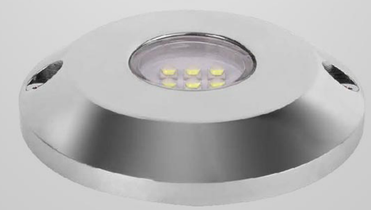
*For common pool, concrete pool & bathtub

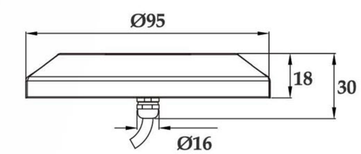
- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 3030

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8030	SMD3030(EPISTAR)	9W 12W	Single Color RGB(4 Wires)	12V DC	120°

LD-HJ8040







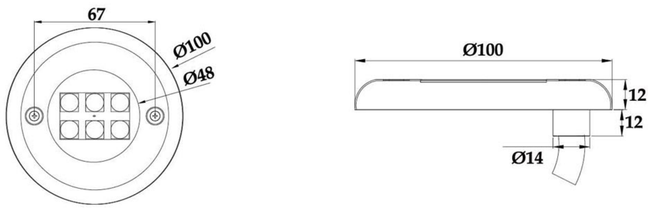
PRODUCT DETAILS

*For common pool, concrete pool & poop deck

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8040	CREE	10W 18W	Single Color RGB(4 Wires)	12V/24V DC	120°
		35W	Single Color		

LD-HJ8050



PRODUCT DETAILS

*For common pool, concrete pool & poop deck

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~ 40°C

Lifespan
≥50,000 Hours

Lens Material
PC

Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8050	CREE	10W 18W	Single Color RGB(4 Wires)	12V/24V DC	120°
		35W	Single Color		

LD-HJ8051

PRODUCT DETAILS

*For common pool, concrete pool & poop deck

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~ 40°C

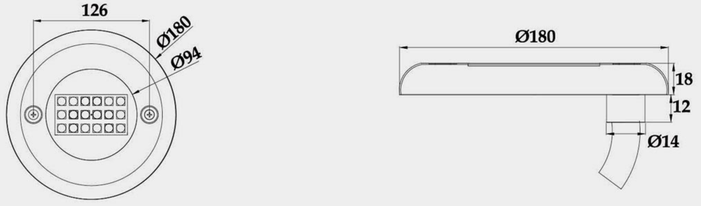
Lifespan
≥50,000 Hours

Lens Material
PC

Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8051	CREE	12W 18W 25W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
		35W 50W	Single Color	12V/24V AC/DC	
		18W(RGBW)	RGBW(5 Wires)	12V/24V DC	

LD-HJ8052



PRODUCT DETAILS

*For common pool, concrete pool & poop deck

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~ 40°C

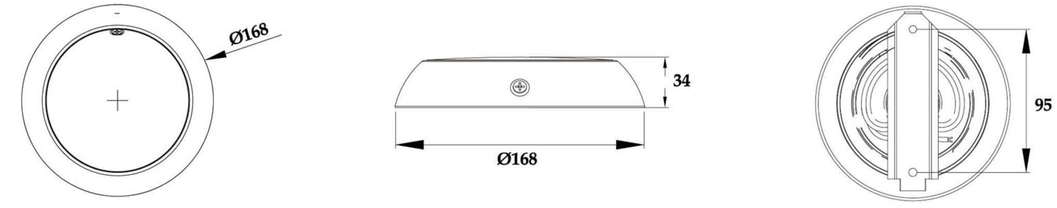
Lifespan
≥50,000 Hours

Lens Material
PC

Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8052	CREE	18W 25W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
		60W	Single Color	12V/24V AC/DC	
		25W(RGBW)	RGBW(5 Wires)	12V/24V DC	

LD-HJ6005



PRODUCT DETAILS

*For common swimming pool, high temperature pool

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~ 48°C

Lifespan
≥50,000 Hours

Lens Material:PC
Angular anti-glare design

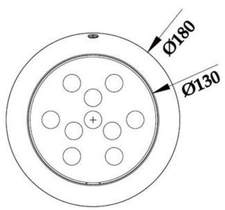
Light Source
5730

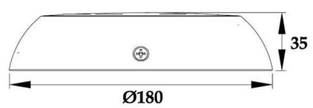
Light Source
5050

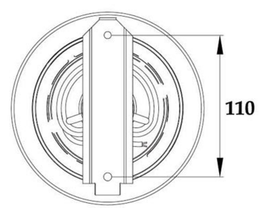
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6005	SMD5730 (EPISTAR)	12W	Single Color	12V/24V AC/DC	120°
	SMD5050 (EPISTAR)	12W	RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
		12W(RGBW)	RGBW(5 Wires)	12V/24V DC	

LD-HJ8005S

LD-HJ8005H







PRODUCT DETAILS

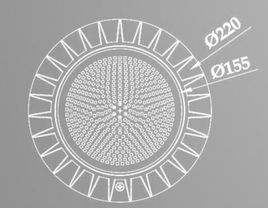
*For common swimming pool

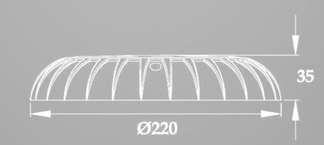
- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** CREE

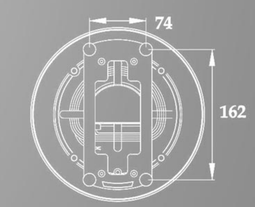
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ8005S	SMD2835 (EPISTAR)	12W 18W 25W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ8005H	CREE	12W 18W 25W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		12W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

LD-HJ8002S

LD-HJ8002H







PRODUCT DETAILS

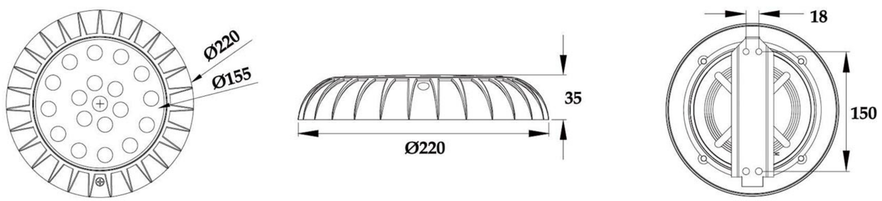
*For common swimming pool

- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ8002S	SMD2835 (EPISTAR)	18W 25W 35W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ8002H	CREE	12W 18W 25W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		12W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

LD-HJ8006S

LD-HJ8006H



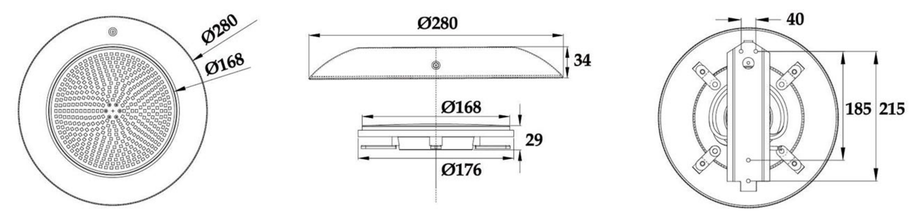
PRODUCT DETAILS

*For common swimming pool

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ8006S	SMD2835 (EPISTAR)	18W 25W 35W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ8006H	CREE	12W 18W 25W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		12W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

LD-HJ8007



PRODUCT DETAILS

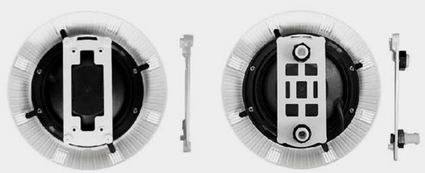
*For common swimming pool

- **Body Material** Stainless steel 316/304 Electropolished
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Light Source** 2835
- **Light Source** 5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8007	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

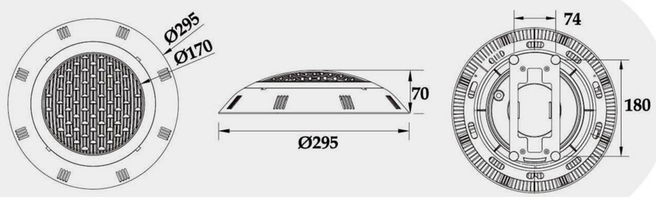
LD-HJ6004S

LD-HJ6004H



For Concrete Pool

For Vinyl Liner Pool



PRODUCT DETAILS

*For common swimming pool, vinyl liner pool, fiberglass pool & stainless steel pool

Body Material
ABS+UV

Wire
VDE Certification

Working Temperature
-20°C ~45°C

Lifespan
≥50,000 Hours

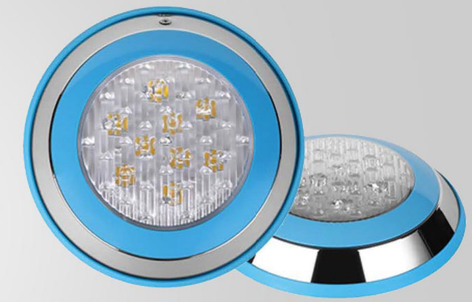
Lens Material
PC

Light Source
2835

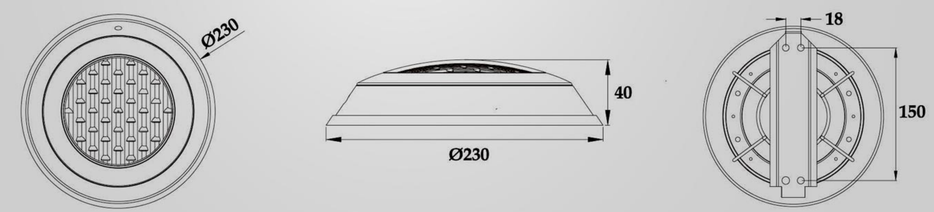
Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6004S	SMD2835 (EPISTAR)	12W 18W 25W 35W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ6004H	CREE	12W 18W 25W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		

LD-HJ6003S



LD-HJ6003H



PRODUCT DETAILS

*For common swimming pool

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~45°C

Lifespan
≥50,000 Hours

Lens Material
PC

Trim Ring Color Options
Blue/White

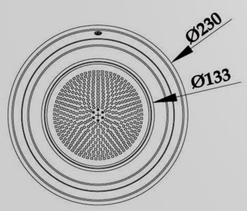
Light Source
2835

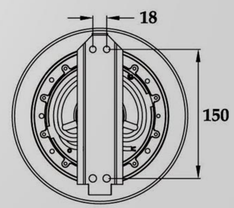
Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6003S	SMD2835 (EPISTAR)	7W 12W 18W 25W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		
LD-HJ6003H	CREE	9W 12W 18W 25W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		

LD-HJ8004S

LD-HJ8004H





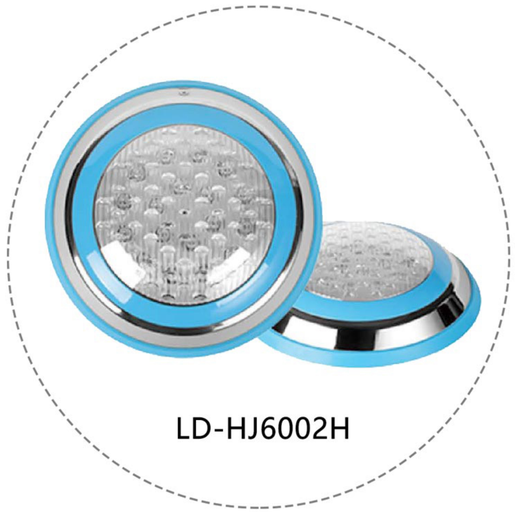
PRODUCT DETAILS

*For common swimming pool

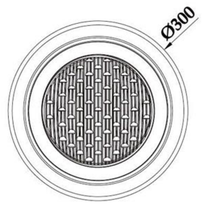
- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Trim Ring Color Options** Blue/White
- **Light Source** 2835
- **Light Source** CREE

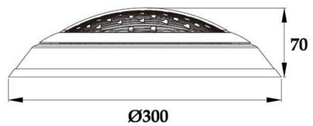
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ8004S	SMD2835 (EPISTAR)	12W 18W 25W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ8004H	CREE	12W 18W 25W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
		12W(RGBW)	RGB	12V/24V AC		
			RGBW(5 Wires)	12V/24V DC		

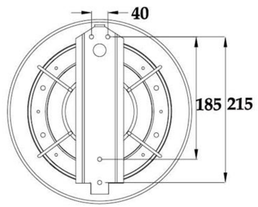
LD-HJ6002S



LD-HJ6002H







PRODUCT DETAILS

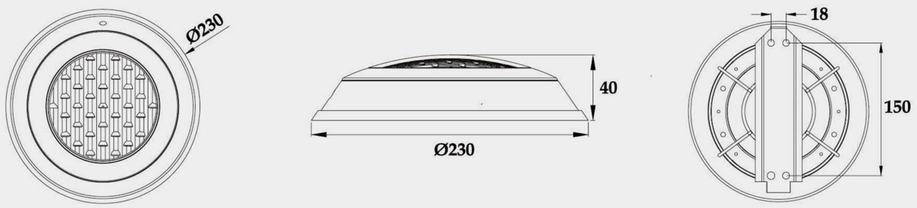
*For common swimming pool

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~ 45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Trim Ring Color Options** Blue/White
- **Light Source** 2835
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6002S	SMD2835 (EPISTAR)	12W 18W 25W 35W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		
LD-HJ6002H	CREE	12W 18W 25W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		

LD-HJ6003S

LD-HJ6003H



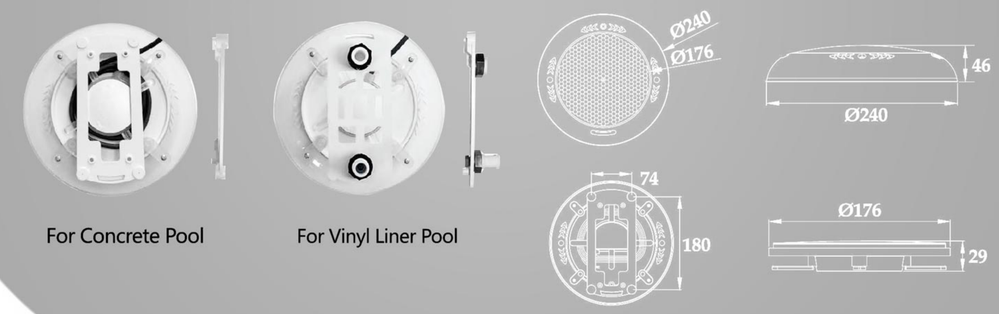
PRODUCT DETAILS

*For common swimming pool

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** PC
- **Trim Ring Color Options** Blue/White
- **Light Source** 2835
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6003S	SMD2835 (EPISTAR)	7W 12W 18W 25W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		
LD-HJ6003H	CREE	9W 12W 18W 25W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
			DMX512	12V/24V DC		

LD-HJ8001



For Concrete Pool

For Vinyl Liner Pool

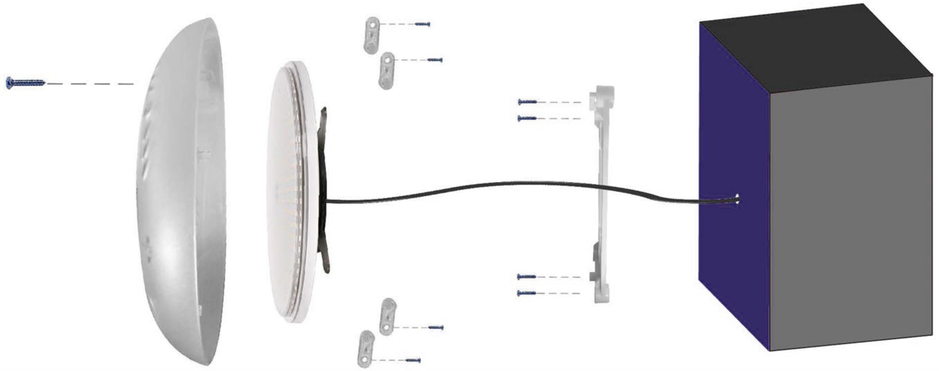
PRODUCT DETAILS

*For common swimming pool, vinyl liner pool, fiberglass pool & stainless steel pool

- **Body Material** ABS+UV
- **Wire** VDE Certification
- **Working Temperature** -20°C ~40°C
- **Lifespan** ≥50,000 Hours
- **Lens Material:PC** Angular anti-glare design
- **Light Source** 2835
- **Light Source** 5050

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ8001	SMD2835 (EPISTAR)	18W 25W 30W 35W	Single Color	12V/24V AC/DC	120°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
	SMD5050 (EPISTAR)	18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

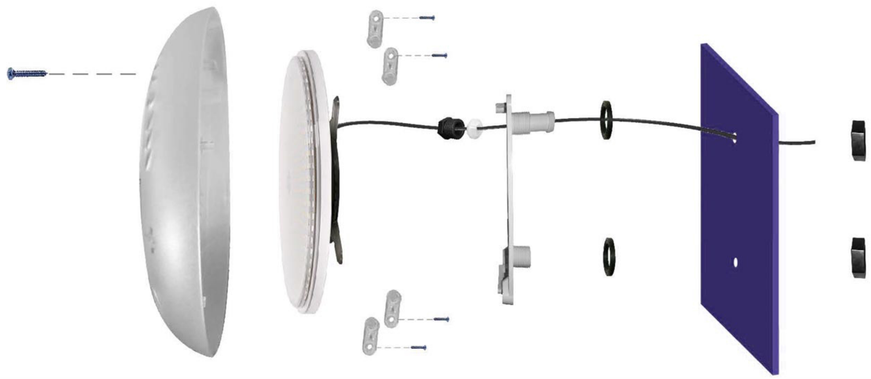
Model LD-HJ8001 Installation Instruction of Concrete Pool



Installation Steps

1. Make sure the surface of the swimming pool wall is flat before installation. Flatten the mounting bracket to the wall of the pool and make sure the proper location of the mounting bracket.
2. After tightening the bracket with the stainless steel screws of the lamp, make sure the bracket is securely attached to the pool wall.
3. A threading hole is reserved in the pool wall on one side of the bracket, and the wire of the lamp is passed through the hole and connected to the circuit of the transformer or the junction box.
4. The TOP mark is on the cover of the lamp. The direction of the TOP mark is upward, that is, at 12 o'clock. In the absence of the TOP mark, the direction of the screw hole should be upward, that is, at 12 o'clock.
5. Align the screw holes on the cover with the screw holes on the bracket and tighten the cover of the lamp with the stainless steel screws attached to the lamp.

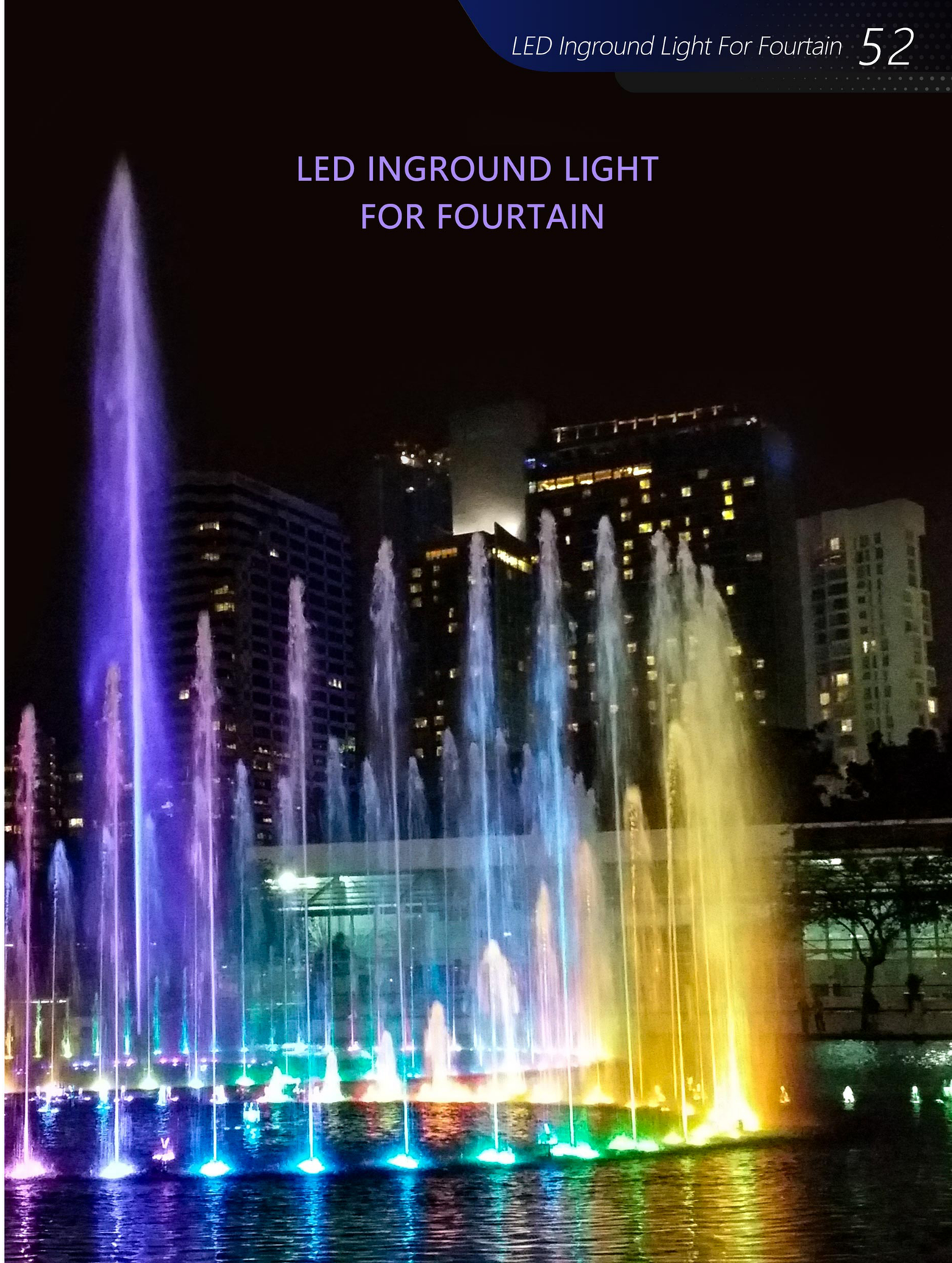
Model LD-HJ8001 Installation Instruction of Vinyl Liner Pool



Installation steps

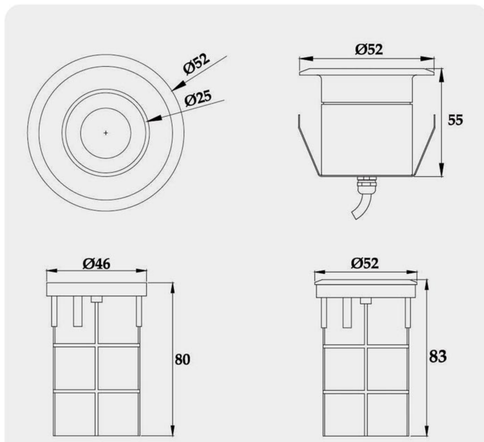
1. Ensure that the surface of the Vinyl Liner Pool is flat before installation. Then open two suitable size holes on the wall of the vinyl liner pool.
2. Place two O-rings with the lamp on the bracket and fix the bracket with the nut on the wall of the vinyl liner pool .
3. Pass the wires of the lamp through the wire holes of the nut, the waterproof ring and the bracket, and then tighten the nut.
4. The reserved wires are wrapped around the back of the lamp for future maintenance.
5. Align the screw holes on the cover with the screw holes on the bracket and tighten the cover of the lamp with the stainless steel screws attached to the lamp.

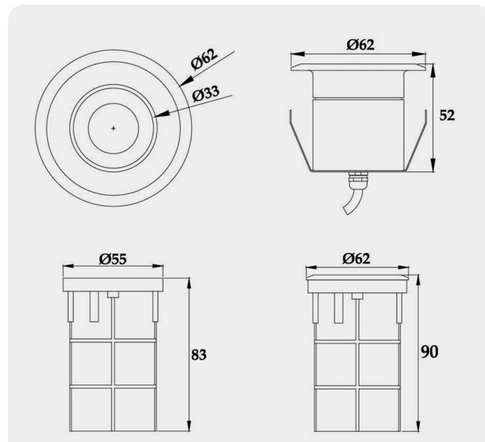
LED INGROUND LIGHT FOR FOURTAIN



LD-HJ6026-1

LD-HJ6026





PRODUCT DETAILS

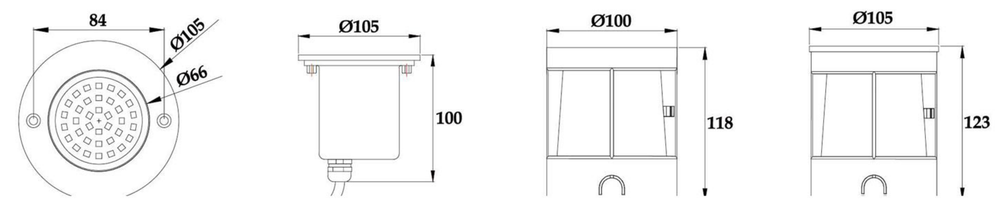
*For common swimming pool, high temperature pool and stairs

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 6 mm thickness tempered glass
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ6026-1	CREE	3W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
LD-HJ6026	CREE	3W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	

LD-HJ6014S

LD-HJ6014H



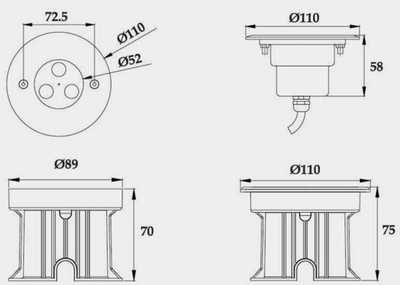
PRODUCT DETAILS

*For common swimming pool, high temperature pool and stairs

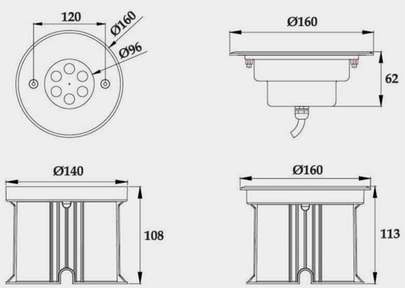
- **Body Material** Stainless steel 304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 6 mm thickness tempered glass
- **Light Source** 2835
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle	Light Description
LD-HJ6014S	SMD2835 (EPISTAR)	3W	Single Color	12V/24V AC/DC	120°	Wide illumination area soft light
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		
LD-HJ6014H	CREE	3W 6W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°	Long irradiation distance Concentration effect
			RGB	12V/24V AC		
			RGB(4 Wires)	12V/24V DC		

LD-HJ5110



LD-HJ5160



PRODUCT DETAILS

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~45°C

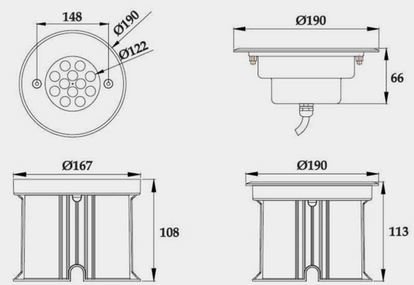
Lifespan
≥50,000 Hours

Lens Material
6 mm thickness tempered glass

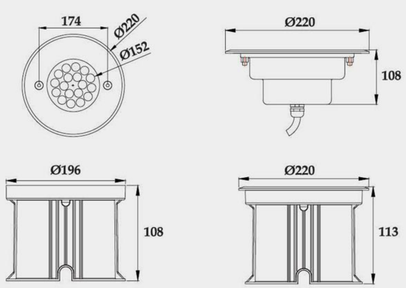
Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ5110	CREE	3W 6W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
		6W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ5160	CREE	6W 9W 12W 18W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		12W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

LD-HJ5190



LD-HJ5220



PRODUCT DETAILS

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~45°C

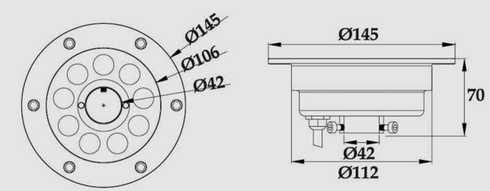
Lifespan
≥50,000 Hours

Lens Material
6 mm thickness tempered glass

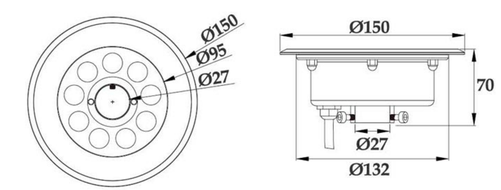
Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ5190	CREE	12W 18W 25W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		12W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ5220	CREE	24W 35W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	

LD-HJ3145



LD-HJ3150



PRODUCT DETAILS

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~ 45°C

Lifespan
≥50,000 Hours

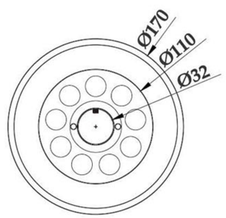
Lens Material
8 mm thickness tempered glass

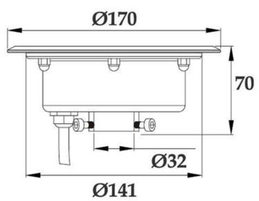
Light Source
CREE

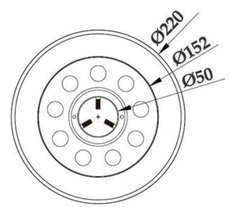
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ3145	CREE	6W 9W 15W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		15W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ3150	CREE	6W 9W 12W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		12W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

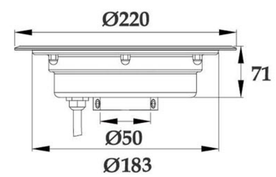
LD-HJ3170

LD-HJ3220





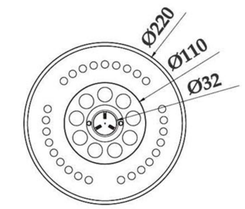


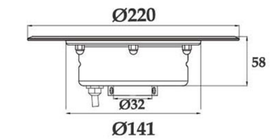


PRODUCT DETAILS

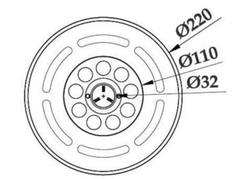
- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** CREE

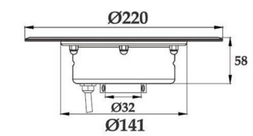
Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ3170	CREE	6W 9W 15W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		15W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ3220	CREE	9W 12W 18W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		18W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	





LD-HJ3220-1





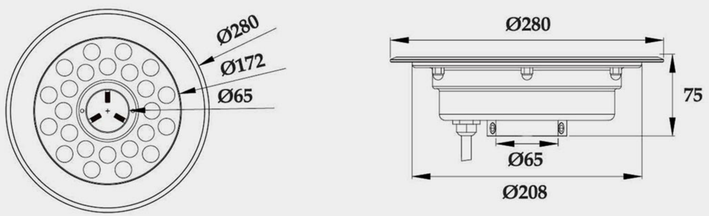
LD-HJ3220-2

PRODUCT DETAILS

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ3220-1	CREE	6W 9W 15W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		15W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ3220-2	CREE	6W 9W 15W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		15W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

LD-HJ3280



PRODUCT DETAILS

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~45°C

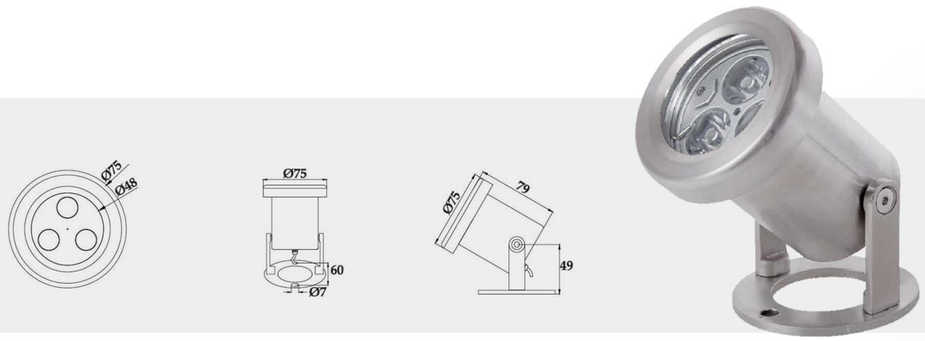
Lifespan
≥50,000 Hours

Lens Material
8 mm thickness tempered glass

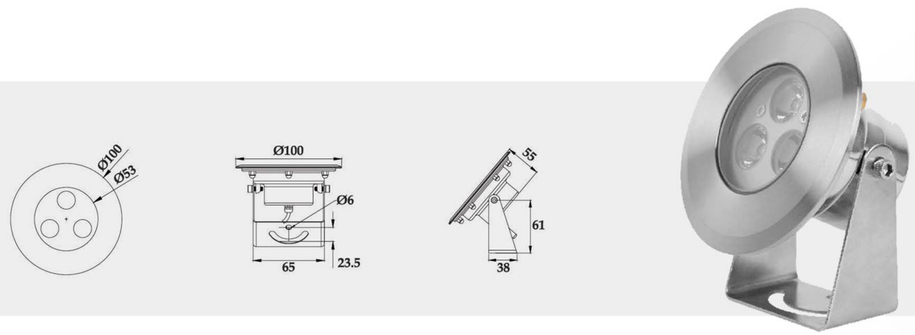
Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ3280	CREE	24W 35W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		24W(RGBW)	RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	

LED UNDERWATER SPOTLIGHT



LD-HJ2075

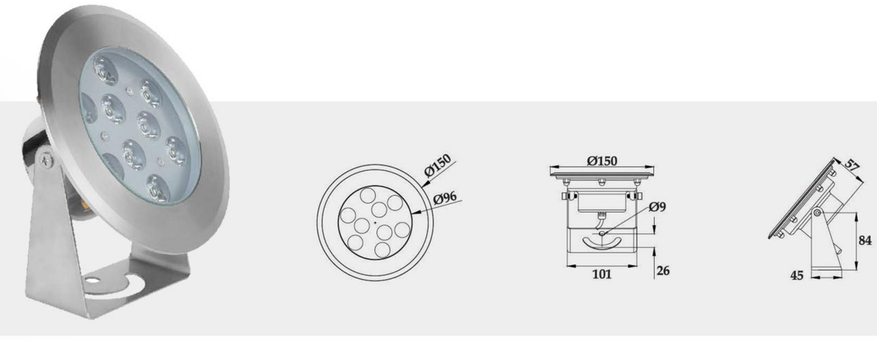


LD-HJ2100

PRODUCT DETAILS

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ2075	CREE	3W 6W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
LD-HJ2100	CREE	3W 6W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
		6W(RGBW)	RGBW(5 Wires)	12V/24V DC	



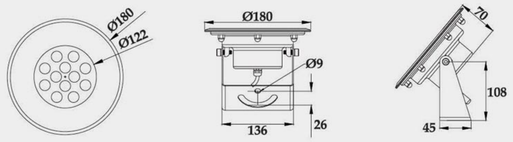
LD-HJ2150

LD-HJ2150-1

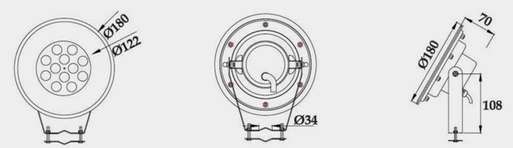
PRODUCT DETAILS

- **Body Material** Stainless steel 316/304
- **Wire** VDE Certification
- **Working Temperature** -20°C ~45°C
- **Lifespan** ≥50,000 Hours
- **Lens Material** 8 mm thickness tempered glass
- **Light Source** CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ2150	CREE	6W 9W 12W 18W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		12W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ2150-1	CREE	6W 9W 12W 18W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		12W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	



LD-HJ2180



LD-HJ2180-1

PRODUCT DETAILS

Body Material
Stainless steel 316/304

Wire
VDE Certification

Working Temperature
-20°C ~ 45°C

Lifespan
≥50,000 Hours

Lens Material
8 mm thickness tempered glass

Light Source
CREE

Model	LED Brand	Power Options	Control Options	Voltage	Beam Angle
LD-HJ2180	CREE	12W 18W 25W	Single Color	12V/24V AC/DC	15° 30° 45° 60° 90°
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		12W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	
LD-HJ2180-1	CREE	12W 18W 25W	Single Color	12V/24V AC/DC	
			RGB	12V/24V AC	
			RGB(4 Wires)	12V/24V DC	
			DMX 512	12V/24V DC	
		12W(RGBW)	RGB	12V/24V AC	
			RGBW(5 Wires)	12V/24V DC	

Full Resin Filled Isolation Transformer

Product Name	Power Option	Product Dimension	Technical Parameters
Full Resin Filled Isolation Transformer	30W	13.5*5.5*6.5cm	Input Voltage: 220V Output Voltage: AC 12V/24V
	60W	14.5*6.5*7.5cm	
	100W	17.1*7.7*7cm	
	200W	19.8*9*10.5cm	
	300W	19.8*9*10.5cm	
	500W	21*11*15cm	

Iron Isolation Transformer

Product Name	Power Option	Product Dimension	Technical Parameters
Iron Isolation Transformer	100W	15*11*7cm	Input Voltage: 220V Output Voltage: AC 12V/24V
	300W	18*13*9cm	
	500W	20.5*15*9cm	

Power Supply

Product Name	Power Option	Product Dimension	Technical Parameters
Power Supply	100W	16.2*9.7*4.2cm	Input Voltage: 220V Output Voltage: DC 12V/24V
	200W	20*11*4.9cm	
	360W	21.5*11.4*5cm	
	500W	21.5*11.4*5cm	

Waterproof Power Supply

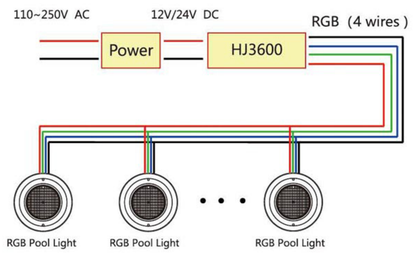
Product Name	Power Option	Product Dimension	Technical Parameters
Waterproof Power Supply	100W	16.2*9.7*4.2cm	Input Voltage: 220V Output Voltage: DC 12V/24V
	200W	20*11*4.9cm	
	300W	21.5*11.4*5cm	
	400W	21.5*11.4*5cm	

External Control

LD-HJ3600 Features

LD-HJ3600 (External Control)

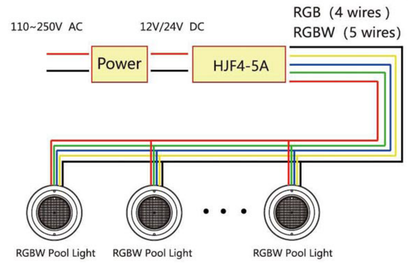
- Input Voltage: 12V/24V DC
- Max Power: 216W/432 (12V/24V)
- RGB (4 wires) pool lights
- 16 pre-programmed, 4 DIY modes
- Speed、brightness、modes are changeable, Pause allows users to pause lighting changes at will.
- Operating Distance: 100M



LD-HJF4-5A Features

LD-HJF4-5A (External Control)

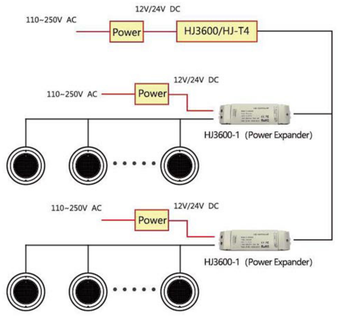
- Input Voltage: 12V/24V DC
- Max Power: 240W/480 (12V/24V)
- RGB (4 wires) or RGBW (5wires) pool lights
- Speed、brightness、modes are changeable
- Operating Distance: 100M



LD-HJ3600-1 Features

LD-HJ3600-1 (Power Expander)

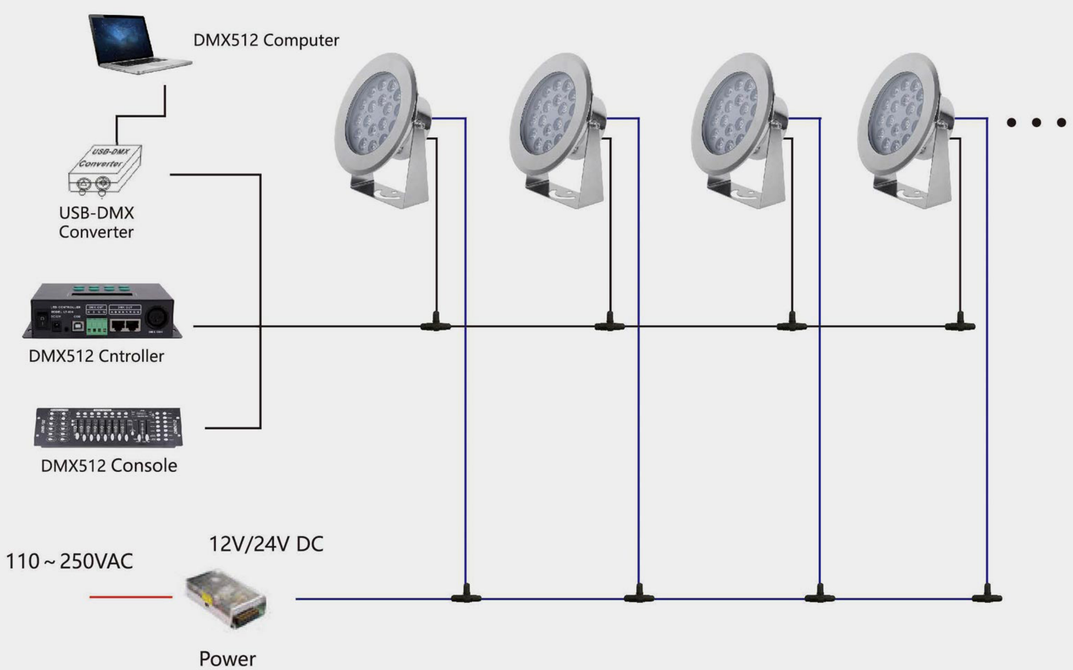
- Input Voltage: 12V/24V DC
- Max Power: 216W/432 (12V/24V)
- RGB (4 wires) pool lights
- Doubled or 3 times the number of LED lights can be connected, as long as one more power expander is added.



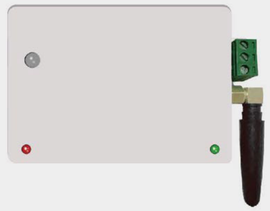
DMX512 Control LD-HJ0002

Feature:

1. International standard DMX512/1990 signal output
2. Professional underwater lighting system, more than 580 lights shows available
3. Multiple sets of LED luminaires can be cascaded to form a complete LED DMX drive group DMX control system



LD-HJ0030(RGB Remote Control)



LD-HJ0030(Power Expander)

RGB Instruction

MODE 1	BLUE	MODE 2	RED	MODE 3	GREEN
MODE 4	RB,purple	MODE 5	GB,cyan	MODE 6	RG,yellow
MODE 7	RGB,white				

MODE 8 (RGB↓) RG keep bright, B change to dark gradually 1.9S→ (R↓G)Gkeep bright, R change to dark gradually 1.9S→ (G↓)G change to dark gradually 1.9S→(RG↓B) RB keep bright, G change to dark gradually 1.9S→(RB↓)R keep bright, B change to dark gradually 1.9S→(R↓)R change to dark gradually 1.9S→(R↓GB)GB keep bright, R change to dark gradually 1.9S→ (G↓B)B keep bright, G change to dark gradually 1.9S →(B↓)B change to dark gradually 1.9S→Recycle

MODE 9 (R↓G↑)red is darkening and green is brightening 1.9S→(G↓B↑)green is darkening and blue is brightening 1.9S→(R↑B↓)blue is darkening and red is brightening 1.9S→Recycle

MODE 10 R(60MS)→G(60MS)→B(60MS)→recycle 10 times→R(120MS)→G(120MS)→B(120MS)→recycle 5 times→R(180MS)→G(180MS)→B(180MS)→recycle 5 times→R(240MS)→G(240MS)→B(240MS)→recycle 5 times →recycle from the beginning to the end (clock wisely)

MODE 11 R(100MS)→B(100MS)→G(100MS)→recycle 5 times→R(160MS)→B(160MS)→G (160MS)→recycle 5 times →R(220MS)→B(220MS)→G(220MS)→recycle 5 times→R(280MS)→B(280MS)→G(280MS) →recycle 5 times→recycle from the beginning to the end (counter clock wisely)

MODE 12 (R↑)change to bright gradually1.9S→(R↓)change to dark gradually1.9S→(G↑)change to bright gradually1.9S→(G↓)change to dark gradually1.9S→ (B↑)change to bright gradually1.9S→ (B↓)change to dark gradually1.9S→Recycle

HJ0030(RGB Remote Control) Features

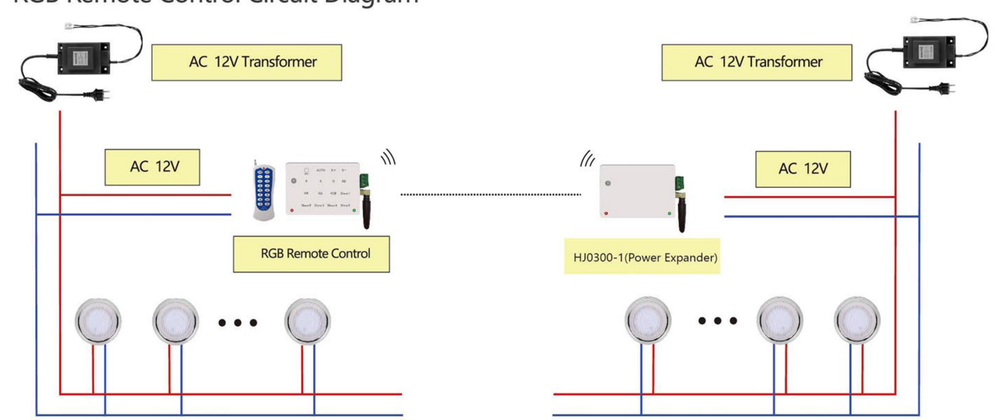
- Input Voltage:AC 12V
- Optional: Speed and Mode
- Operating Distance:100m
- 7 different static color, 5 cycling modes, 10 speeds
- Max Power Load: 300W, capacity 30 LED pool lights

★UPDATED! 3 RGB Control Methods:
HJ0030 Remote Controller, Auto Change, ON/OFF Switch.
Even if you don't use HJ0030, you can use Auto Change and ON/OFF Switch.
Auto Change: 16 preset color changing programs, start automatically when energized.
ON/OFF Switch: Select one of the 16 preset color modes through one on one off of the power supply.
For details of the latest products, please consult WAKING sales team when purchasing.

HJ0030-1(Power Expander) Features

- Input Voltage: AC 12V
- Max Power Load: 300W
- Compatible with RGB remote controller
- Operating Distance: 100M

RGB Remote Control Circuit Diagram



LD-HJ0001(WIFI Control Box)

LD-HJ0001-1(Power Expander)

WIFI Control Box

Product Overview

Wi-Fi Control Box is based on the traditional radio frequency technology due to the market and customer needs.
It is a control box that integrates the latest Wi-Fi technology on the market. Control lighting by mobile device (on/off light, tune Section lighting brightness, set lighting effect mode, custom, timer). Control box has 30 light change modes.100 meters without obstacles remote control，100% synchronization. It makes the control of LED lamps more convenient and more human Turn. You can remotely control the LED fixtures by installing the app on a mobile device that already has an Android or IOS system installed.
It is also the voice of every customer!
Using Wi-Fi technology can make our control range wider, can break free from the constraints of small space, and control indoors.
The distance is 50 meters, and the distance controlled outdoors is more than 100 meters.
This Wi-Fi control box also accepts/issues DMX 512 signals for long-distance synchronization.

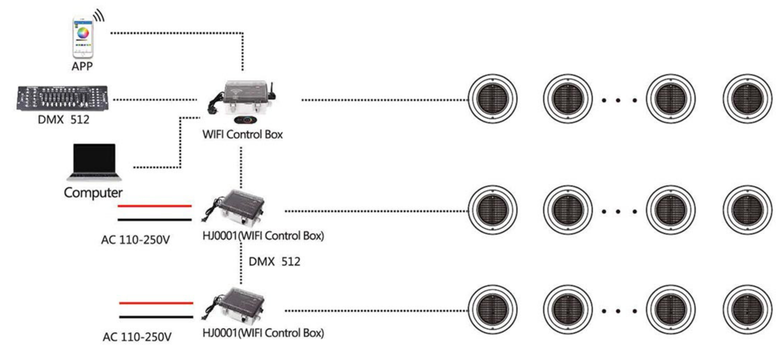
LD-HJ0001 (WIFI Control Box) Parameters:

- Language：English、Chinese
- Free、Green、No Plug-ins
- (Wide Range)Input Voltage: AC 110~250V
- (Safety)Output Voltage:DC12V
- Rated Power： 300W
- Compatible with RGB(4 wires)or RGB(5wires)Pool lights
- Operating Distance：100M
- Control Method：RF Remote、Mobile APP 、DMX 512
- Platform：Android 4.0 or above, IOS 6.0or above.

LD-HJ0001-1(Power Expander) Parameters:

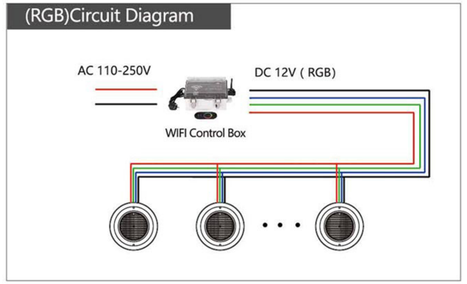
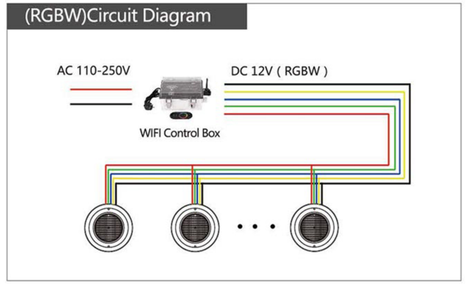
- (Wide Range)Input Voltage： AC 110~250V
- (Safety)Output Voltage：DC12V
- Compatible with RGB(4wires)or RGBW(5wires)Pool lights
- Rated Power： 300W
- Operating Distance：100M

WIFI Control Box Circuit Diagram



APP for WIFI Control Box

(RGB)Circuit Diagram



(RGBW)Circuit Diagram