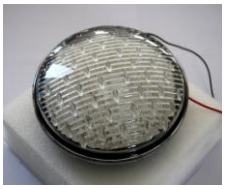
CENIK oktober 2013
BAZENSKE LED PAR 56
High Power LED COB čip Edison

Model:	Slika	Opis	IP	Cena z DDV
High Power BLED56-24W Bela 5000 K		Napetost: 12V Poraba W: 26W LED tip: 1x 24W COB Edison Število LED čipov: 1 Svetilnost : 2200 lum (halogen 180W) priključek G53	IP68	231 .00 €
High Power BLED56-24B Modra		Napetost: 12V Poraba W: 24W LED tip: 1 W Edison Število LED čipov: 18 Svetilnost : 1200 lum priključek G53	IP68	231 .00 €
High Power BLED56-24RGB RGB Daljinsko Radisko krmiljanje		Napetost: 12V Poraba W: 21W LED tip: 1 W Edison Število LED čipov: 18 Svetilnost : 1543 lum priključek G53	IP68	264 .00 €
High Power BLED56-18x1W Bela 5000 K		Napetost: 12V Poraba W: 20W LED tip: 18x 1W HP Edison Število LED čipov: 18 Svetilnost : 1200 lum (halogen 90W) priključek G53	IP68	204 .00 €

High Power BLED56-25W Bela 5000 K		Napetost: 12V Poraba W: 27W LED tip: 1x 25W COB Edison Število LED čipov: 1 Svetilnost : 2300 lum (halogen 150W) priključek G53	IP68	242 .00 €
High Power BLED56-35W Bela 5000 K		Napetost: 12V Poraba W: 37W LED tip: 1x 35W COB Edison Število LED čipov: 1 Svetilnost : 3200 lum (halogen 300W) priključek G53	IP68	293 .00 €

* Energetski razred: A
* Ekvivalentna moč: 150W-300W navadna sijalka
* Kot osvetlitve: 60°
* Napetost: 12 V
* LED tehnologija: High Power
* Bela svetloba 5000K.
* Okolju prijazna: brez UV in IR sevanja
* Ne utripa
* Ne vsebujejo svinca, živega srebra in drugih škodljivih stvari
* Dolga življenjska doba, več kot 50.000 ur
* Nizka poraba, prihranek do 80 % energije.
* Pri LED RGB se spreminjalo barve z daljinskim upravljalcem – program
* Priporočamo vgradnjo magnetnih in toroidnih transformatorjev ekvivalentne moči + 25%.
* Elektronskih transformatorjev se ne sme vgrajevati- ne priporočamo
* Vse luči morajo biti montirane v vodi zaradi hlajenja.

Primerjava svetilnosti z drugimi tipi LED Par56 bazenskimi svetili.

Svetilnost (lum) je odvisna od tipa LED čipa.

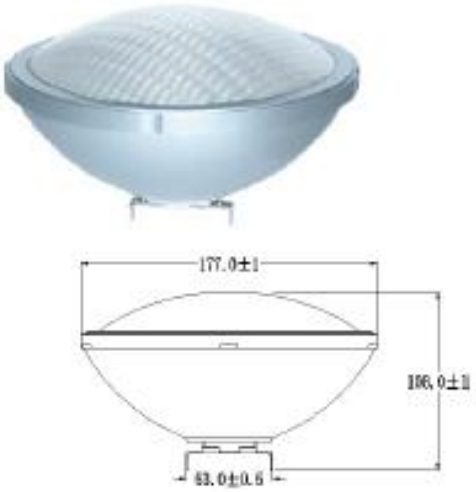
- **LED čip Dip5** x 105 kom. je svetilnost 1000 lum –bela barva (halogen 70W)
življenska doba 20 000 ur pri padcu svetilnosti 40 %
- LED čip **SMD 3528** x 315 kom. je svetilnost 1100 lum –bela barva (halogen 75W)
življenska doba 25 000 ur pri padcu svetilnosti 40 %
- **LED čip SMD 3528** x 252 je svetilnost 900 lum –bela barva (halogen 60W)
življenska doba 25 000 ur pri padcu svetilnosti 40 %
- LED čip **High power 1W** x 18kom. je svetilnost 1200 lum –bela barva (halogen 90W)
življenska doba 50 000 ur pri padcu svetilnosti 25 %
- LED čip **High power MCOB** 35W x 1kom. je svetilnost 3200 lum –bela barva (halogen 300W)
življenska doba 50 000 ur pri padcu svetilnosti 25 %

Navodila in tehnični podatki

OPOZORILO

Pred menjavo LED PAR56 sijalke obvezno zamenjati stara tesnila na ohišju luči.

LED PAR56 Underwater Light
(Single color built-in control /switch, remote & switch control mode)



Features:

- Sole & Patented design
- Size: 178(diameter) * 108(height) mm
- 6063 die-casting aluminium cup which ensure lamp cup/body unbreakable & good heat difussion, and make sure of less lumens decline.
- Transparent PC cover, anti-corrosion, shock-proof, unbreakable, safe transportation
- IP68 with lamp housing
- Constant driver to make sure LED light working stably, avoid any flashing and noisy
- Voltage: AC12V, Frequency: 50/60HZ
- High quality and brightness LED source
- Projection distance: 10-20 meter
- Color: Single color – white, red, green, blue, yellow
- Color: RGB, 15 kinds of color changing method
- 4 kinds of RGB control mode: built-in(automatical control), switch control, wire/line control, remote and switch control
- Beam angle: DIP-25°or 120°, SMD5050-120°, high power-25°or 30°or 45°or 60°;
- Life span 50000 hours
- Overcurrent protection

Applications: Swimming pool, water-fall, park, fountain spring, garden.

Remote control instruction:

Instructions of The Remote Control Button			
Key	instructions	Key	instructions
A	Mode change (15 patterns)	C	Slow down in "fading effect" & "Dynamic color chaging" mode
B	Speed up in "fading effect" & "Dynamic color chaging" mode	D	-Switch on/off by press 1~2S -Reset the lamp by press 5S+
Note: Remote effective distance is 50 meters, to control lamps in distance of more than 50 meters, use switch control instead of remote control. Change mode by switch on/off.			

RGB control mode: 4 kinds of control modes

1. **Built-in/inner control:** RGB color change is pre-set, RGB light color could change in some time automatically, user couldn't change the color manually;

2. **Switch control:** by turning on/off switch, user could change RGB color everytime he/she turn on/off switch;

3. **Remote control & switch control:** can control RGB color by both remote controller and switch(same as above switch control), this mode have a shortcoming, that is 1 remote could control 1 light well, when 1 remote controller control some lights, RGB color change might not be synchronic, because it is impossible to make all lights frequency the same, and the signal will be a little deviation by cover of water.
In case remote control is damage, it still could use switch to control RGB change(same as switch contorl).

4. **Wire controller control:** see wire controller control manual(separate)

15 kinds of RGB color Change patterns:

1. Red (solid color – red)

2. Green (solid color – green)

3. Blue (solid color – blue)

4. Red + green

5. Green + blue

6. Red + blue

7. Red + green + blue

8. Dynamic change: red change to green
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds
Dynamic change time: The time which color dynamically change from red to green

9. Dynamic change: green change to blue
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds
Dynamic change time: The time which color dynamically change from green to blue

10. Dynamic change: red change to blue
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds
Dynamic change time: The time which color dynamically change from red to blue

11. Dynamic RGB change
Dynamic color change: from Red to Green, then Blue
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds
Dynamic change time: The time which color dynamically change from red to green then to blue

12. Dynamic & Colorful change
Dynamic color change: from Red to Green, then Blue, Red+blue, Green+blue, Blue+red, RGB
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds
Dynamic change time: The time which color dynamically change from one color to another

13. Dynamic Red, green, blue fading effect
Dynamic color fading effect: One color is dynamically fading to another, Red to Green, then Blue and blue
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds

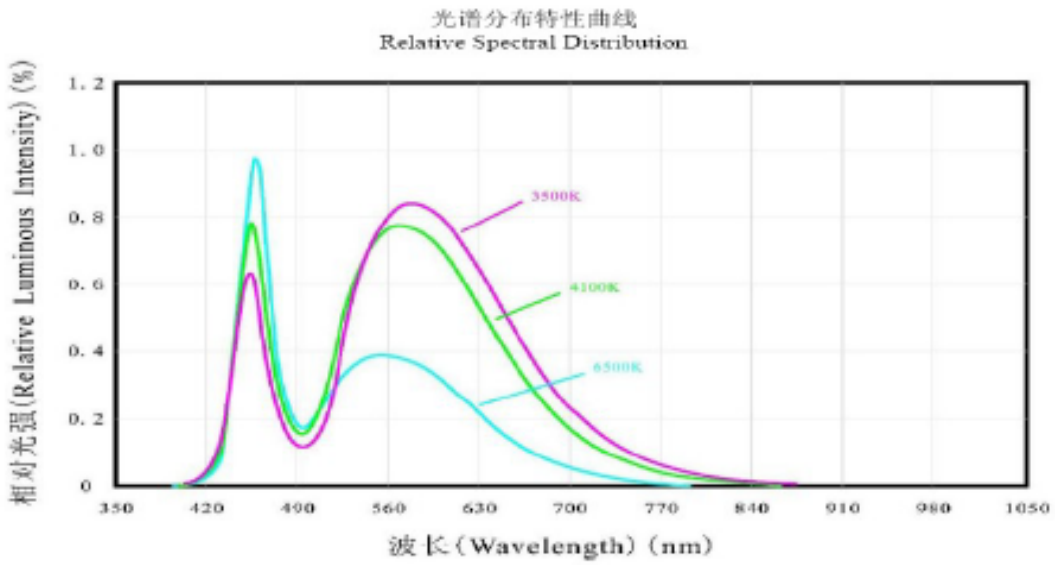
14. Colorfully fading effect

Fading from Red to Green, then Blue, Red+blue, Green+blue, Blue+red andRGB
Colorfully fading effect: One color is fading to another, Red to Green, hen Blue, Red+blue, Green+blue, Blue+red andRGB
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds
Fading effect time: The time which color is fading from one color to another

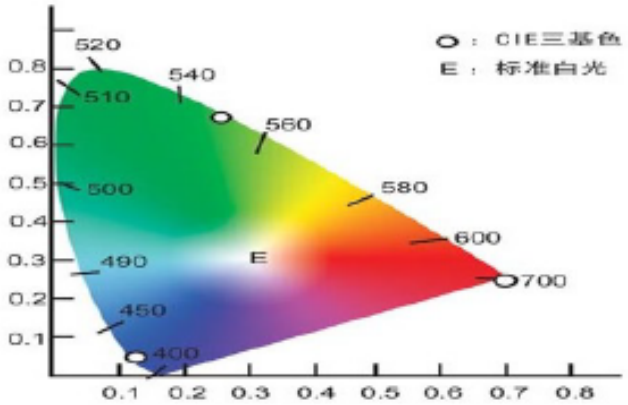
15. RGB fading effect

Fading from Red to Green, then Blue
Color fading effect: One color is fading to another, Red to Green, then Blue and blue
a. default setting(dynamic change time): 1 second
b. fastest dynamic change time: 0.2 second
c. slowest dynamic change time: 5 seconds
Fading effect time: The time which color is fading from one color to another

Spectral curve



Chromaticity Diagram



Instructions on installation:

1. Ensure that lamp housing used is one made of stainless steel or material that does not deteriorate in water over time and is designed to meet IP 68 rating.

2. Firstly try placing lamp inside the housing on a vertical position to check their alignment ensuring good fitting against a rubber grommet between the two components of the luminaire assembly. We highly recommend use of a high quality grommet made of vulcanized silicone rubber instead of thermoplastic elastomer or general purpose rubber in order to withstand long term ageing against stress. This is because of the much longer service life of LED light source in comparing with traditional bulbs which are changed frequently.

3. Inspect the inner surface of the lamp housing and the surfaces of the grommet ensuring they are completely flat. If these are uneven replace them with new ones. Proceed to the next step if these are OK.

4. Remove lamp. Put grommet properly onto the designated area inside lamp housing. Place lamp into correct position. Place luminaire assembly horizontally to check for alignment once again.
   After this, place lamp housing cover to position ensuring proper alignment of screw holes. Make suitable adjustment with or rotate lamp and the base of lamp housing to ascertain they are flat against each other.
5. **CAUTION"**
   NOTE: It is of utmost importance to ensure flatness and proper alignment of the lamp assembly before applying the screw. Improper handling may cause PC cover to crack or develop hair-line cracks which may not be visible at the beginning. This will lead to water sipping-in during service or lamp breakage when lamp assembly.

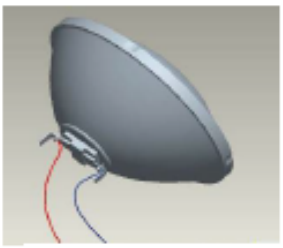
When applying screws (there should be 6 screws altogether), ensure that it should be done in pairs which are diagonally opposite each other. The tightening of screws must be done in such pairs and stepwise. In the first round, fix screws of opposite position lightly by making only two to three turns after the surfaces come into contact. Proceed with 2nd, 3rd and subsequent round(s) by making a further 2-3 turns each time until the assembly is adequately fastened.

6. "CAUTION"

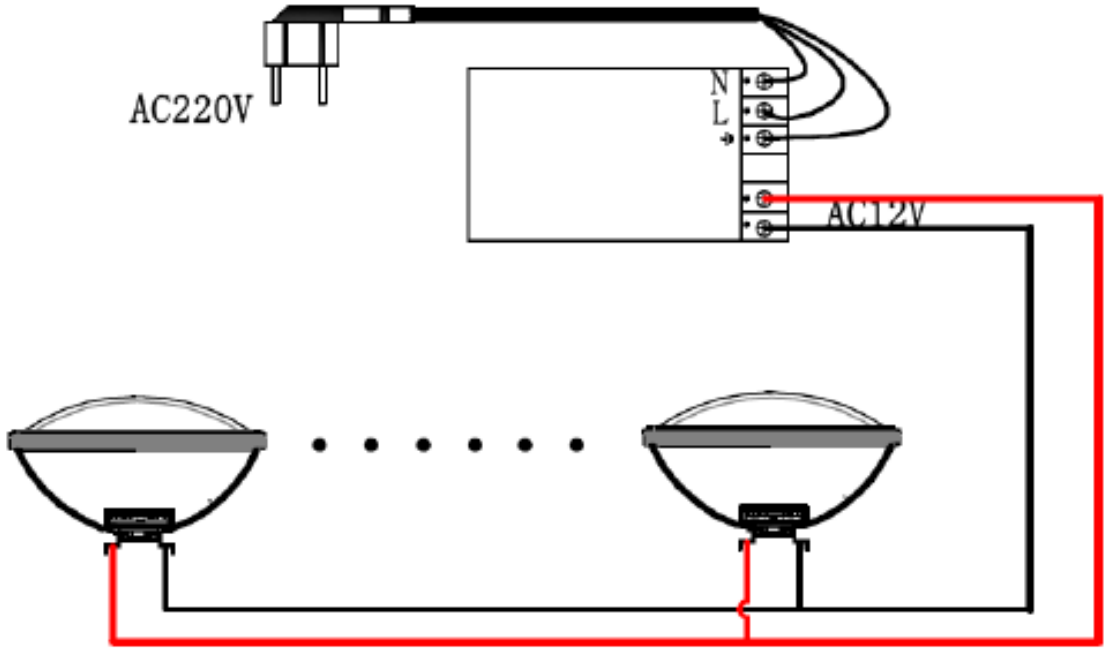
NOTE: Do not perform "force tightening" of screws in a random manner. Doing so is to add undesired pressure locally. Such risky act may damage lamps and void product warranty.

Connection diagram:

Simply connect live and neutral wires onto any one screw terminals behind the lamp.

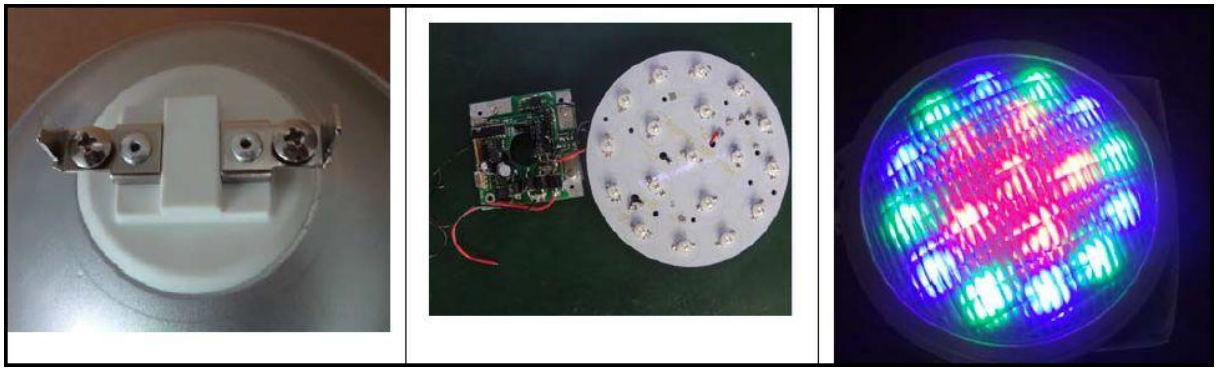






Caution :

1. **Please read product manual carefully and make sure the working circumstance is compliant with the condition requests in the manual before use the lamps.**
2. **Make sure that power is cut off before connect the lamps to power supply systems.**



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