

SSPN 90 Niche Mount

underwater pool lights



Adjustable mounting clamps : Niche dimension from 190mm to 230mm



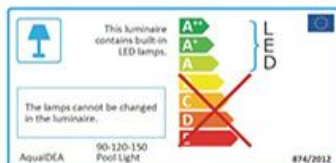
Optional Parts : Universal mounting kits and Plastic Niche

Technical Specifications



EnabledLED
Licensing Program for LED
Luminaires and Retrofit Bulbs

Member
AQUA IDEA Ltd.



CLASS III III 12 VAC

CE RoHS

SGS

IP68
5M



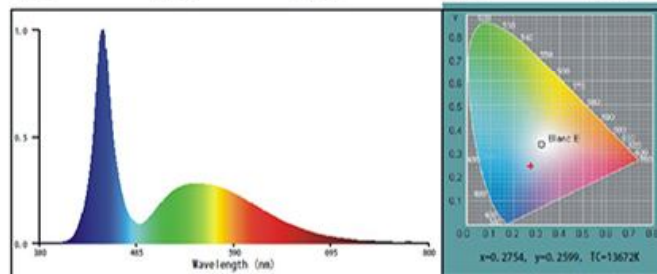
| | |
|------------------|--|
| Model no | SSPN 90 |
| LED colour | White / Warm White / Green / Blue / RGB |
| LED Type | 12pcs high power BRIDGELUX/Epistar LED |
| Material | Epoxy Resin/Aluminum /ABS-body/PC - Lens |
| Protection class | IPX8/ Rohs / CE / SGS / IEC60598 |
| Dimension | 300L x 300W x 60H (mm) |
| Power | 18W for single colour / 15W for RGB model 12V-24V AC/DC |
| Cord Length | 2M |
| Light Angle | 60-90 degree |
| Illumination | 1300lm |
| Mounting | Niche dimension from 190mm-230mm |
| Accessories | Stainless Steel mounting clamp & screw x 4 User's manual x 1 / Silicon rim x 1 Heat-Shrink tubing kits x 1 |
| RGB-2Pin cable | Preset 11 colour changing program controlled by Power On/Off switch |
| RGB 4Pin cable | Controlled by Wifi / DMX work with Alexa, Google Home , Smart Life , Tuya |
| Environment | Concrete / Fibreglass / Vinyl liner pools |
| Working period | 8hr per day |
| Package | 20pcs / 32KG / 0.16cbm per carton |
| Warranty | Two Year |

Product information:

| | |
|---|---------------------------------|
| Product model: SSPN90 CW | Test time: 2019-10-09 09:46:10 |
| Product number: | Environment humidity: 65.0 % |
| Production merchant: AquaIDEA | Environment Temperature: 0.0 °C |
| Tester: Willson | Verification: --- |
| Test system: Huzhou Sinopol SPL720 Spectral analysis system | |

CIE Parameter:

| | | | | |
|------------------------------------|-----------------------|-----------------------|--------|--------|
| Coordinate: x=0.2754, y=0.2599 | CCT: Tc=13672 K | Purity: Purity=27.3% | | |
| u' = 0.1978, v' = 0.4201 | Main Wave: λd=471.3nm | Peak Wave: λp=448nm | | |
| Half Width: Δλd=21.4nm | Red Ratio: R=11.8% | Chromatism : SDCM=0.0 | | |
| Color rendering property : Ra=74.1 | | | | |
| R1=83 | R2=78 | R3=66 | R4=85 | R5=82 |
| R6=67 | R7=84 | R8=48 | R9=33 | R10=41 |
| R11=85 | R12=43 | R13=80 | R14=80 | R15=88 |



Other parameters:

| | | |
|------------------------|----------------------------|---------------------|
| Flux: Φ=1367.33 Lm | Efficiency: EffI=46.2 Lm/W | Stability: η=0.02 % |
| Voltage: VF=12.00 V | Current: IF=1.800 A | Power: P=21.600 W |
| Power factor: PF=1.000 | | |

Please note: Fixture Lumens rating is a measurement of total light output from a finished lighting fixture. This measurement can only be obtained from either a Goniophotometer or an integrating sphere.