

PAR90 PAR56 Replacement

underwater pool lights



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 | PAR90 |
| LED colour | White / Warm White / Green / Blue / RGB |
| LED Type | 12pcs high power BRIDGELUX/Epistar LED |
| Material | Epoxy Resin / ABS-body / PC - Lens |
| Protection class | IPX8/ Rohs / CE / SGS / IEC60598 |
| Dimension | Ø 175 x 100H (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 | PAR56 lamp compatible |
| Accessories | Stainless Steel mounting clamp & screw x 4 User's manual x 1 / Silicone grease x 1 Stainless steel screw x 10 / Cable gland x 1 3 different size cable seal kits x 1 |
| RGB-2Pin cable | Preset 11 colour changing program controlled by Power On/Off switch |
| Environment | Concrete / Fibreglass/ Vinyl liner pools |
| Working period | 8hr per day |
| Package | 20pcs / 20KG / 0.07cbm per carton |
| Warranty | Two Year |

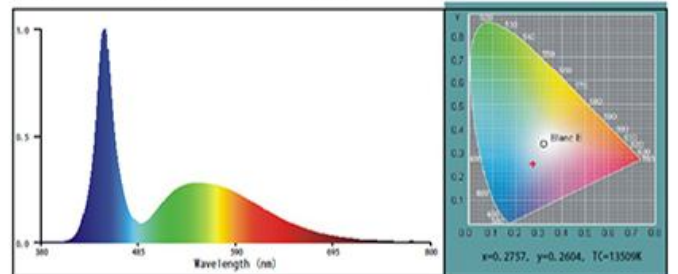
Product information:

Product model: PAR90 CW
Product number:
Production merchant: AquaIDEA
Tester: Willison
Test system: Huzhou Sinopol SPL720 Spectral analysis system

Test time: 2019-10-09 09:44:52
Environment humidity: 65.0 %
Environment Temperature: 0.0 °C
Verification: ----

CIE Parameter:

Coordinate: $x=0.2757, y=0.2604$ CCT: $Tc=13509$ K Purity: Purity=27.1%
 $u'=0.1979, v'=0.4205$ Main Wave: $\lambda_d=471.3$ nm Peak Wave: $\lambda_p=448$ nm
Half Width: $\Delta \lambda_d=21.3$ nm Red Ratio: R=11.8% Chromatism : SDCM=0.0
Color rendering property : Ra=76.6
R1=83 R2=78 R3=66 R4=85 R5=82
R6=67 R7=83 R8=69 R9=32 R10=40
R11=85 R12=43 R13=80 R14=80 R15=88



Other parameters:

Flux: $\Phi=1303.79$ Lm Efficiency: EffI=46.5 Lm/W Stability: $\% = 0.01$ %
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.