

# PAR120 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



IP68  
5M



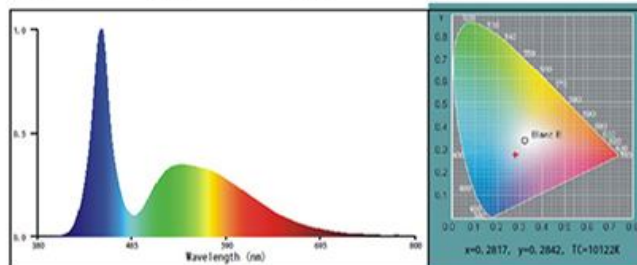
Model no	PAR120
LED colour	White / Warm White/ Green / Blue / RGB
LED Type	108pcs 5050 SMD Epistar Taiwan LED
Material	Epoxy Resin / ABS-body / PC - Lens
Protection class	IPX8/ Rohs / CE / SAA / IEC60598
Dimension	Ø 175 x 100H (mm)
Power	20W for single colour / 15W for RGB model 12V-24V AC/DC
Cord Length	2M
Light Angle	100-120 degree
Illumination	1500lm
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: PAR120 CW	Test time: 2019-10-09 09:39:27
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=0.2817, y=0.2842	CCT: Tc=10122 K	Purity: Purity=22.1%		
u'=0.1927, v'=0.4375	Main Wave: λd=477.9nm	Peak Wave: λp=450nm		
Half Width: Δλd=21.2nm	Red Ratio: R=11.3%	Chromatism: SDCM=0.0		
Color rendering property: Ra=77.3				
R1=78	R2=77	R3=74	R4=82	R5=78
R6=69	R7=85	R8=74	R9=5	R10=44
R11=79	R12=42	R13=78	R14=85	R15=78



### Other parameters:

Flux: Φ=1498.97 Lm	Efficiency: Effi=69.4 Lm/W	Stability: η=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.