

PN 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



ENABLED
Licensing Program for LED
Luminaires and Retrofit Bulbs

Member
AQUA IDEA Ltd.



CLASS III 12 VAC

CE RoHS

SGS

IP68
5M



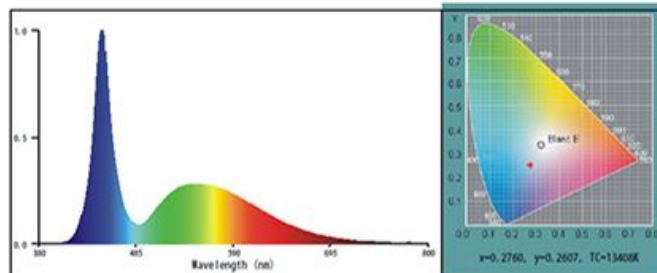
Model no	PN 90
LED colour	White / Warm White / Green / Blue / RGB
LED Type	12pcs high power BRIDGELUX/Epistar LED
Material	Epoxy Resin / ABS-body / PC - Lens
Protection class	IPX8/ RoHS / CE / SGS / IEC60598
Dimension	300L x 300W x 60H (mm)
Power	18W for single colour / 15W for RGB model 12V-24V AC/DC
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 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 / 26KG / 0.16cbm per carton
Warranty	Two Year

Product information:

Product model: PN90 CW	Test time: 2019-10-09 09:44:11
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=0.2760, y=0.2607	CCT: Tc=13408 K	Purity: Purity=27.0%		
u'=0.1979, v'=0.4207	Main Wave: λd=471.3nm	Peak Wave: λp=448nm		
Half Width: Δλd=21.1nm	Red Ratio: R=11.8%	Chromatism : SDCM=0.0		
Color rendering property : Ra=76.9				
R1=83	R2=78	R3=65	R4=85	R5=82
R6=67	R7=83	R8=72	R9=31	R10=40
R11=85	R12=43	R13=80	R14=80	R15=87



Other parameters:

Flux: Φ=1306.08 Lm	Efficiency: Effi=46.6 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.