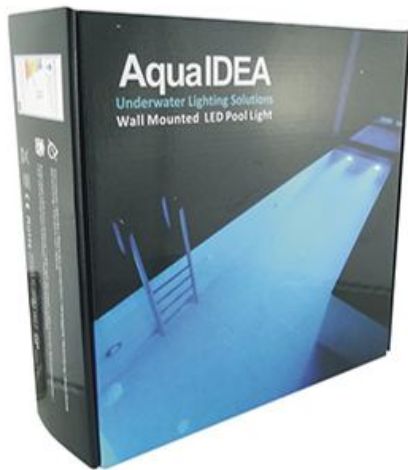


P90 Surface Mount underwater pool lights



Technical Specifications



CLASS III III 12 VAC CE RoHS SGS IP68 5M

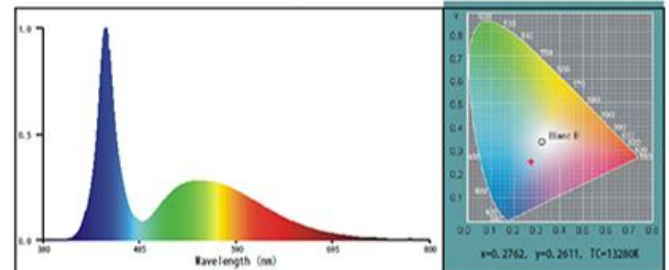
Model no	P90
LED colour	White / Warm White / Green / Blue / RGB
LED Type	12pcs high power BRIDGELUX/Epistar LED
Material	Epoxy Resin / ABS-body / PC - Lens
Protection class	IPX8/ Rohs / CE / SGS / IEC60598
Dimension	250L x 250W x 50H (mm)
Power	18W for single colour / 15W for RGB model 12V-24V AC/DC
Cord Length	2M
Light Angle	60-90 degree
Illumination	1300lm
Mounting Parts	Retrofit mounting bracket
Accessories	Stainless steel screw x 5 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 pools
Working period	8hr per day
Package	20pcs / 23KG / 0.14cbm per carton
Warranty	Two Year

Product information:

Product model:P90 CW	Test time:2019-10-09 09:43:23
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=0.2762, y=0.2611	CCT:Tc=13280 K	Purity: Purity=26.8%		
u'=0.1980, v'=0.4211	Main Wave: λd=471.3nm	Peak Wave: λp=448nm		
Half Width: Δλd=21.0nm	Red Ratio: R=11.8%	Chromatism : SDCM=0.0		
Color rendering property :Ra=77.3				
R1=83	R2=77	R3=65	R4=85	R5=82
R6=67	R7=83	R8=76	R9=31	R10=40
R11=85	R12=42	R13=80	R14=80	R15=87



Other parameters:

Flux: Φ=1309.36 Lm	Efficiency: Effi=46.7 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.