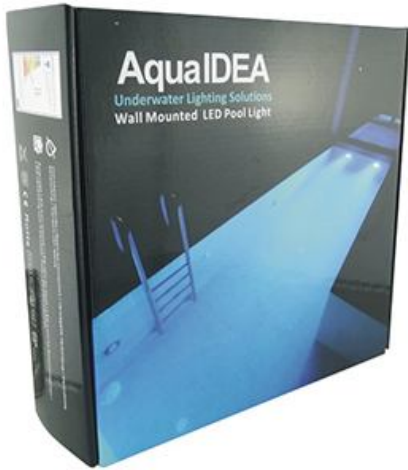


P120 Surface Mount underwater pool lights

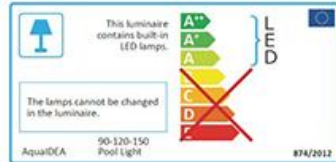


Technical Specifications



Enabled
Licensing Program for LED
Luminaires and Retrofit Bulbs

Member
AQUA IDEA Ltd.



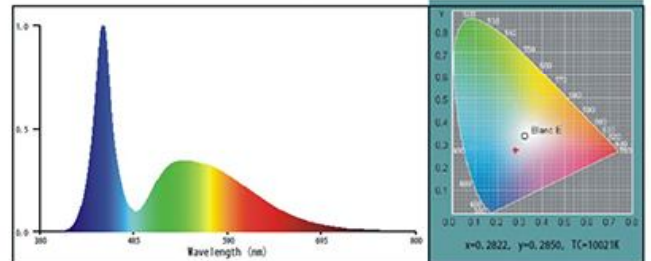
Model no	P120
LED colour	White / Warm White/ Green / Blue / RGB
LED Type	108pcs 5050 SMD Epistar Taiwan LED
Material	Epoxy Resin / ABS-body / PC - Lens
Protection class	IPX8/Rohs / CE / SAA / IEC60598
Dimension	250L x 250W x 50H (mm)
Power	20W for single colour / 15W for RGB model 12V-24V AC/DC
Cord Length	2M
Light Angle	100-120 degree
Illumination	1500lm
Mounting 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:P120 CW	Test time:2019-10-09 09:35:36
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=0.2822, y=0.2850	CCT:Tc=10021 K	Purity: Purity=21.9%		
u' =0.1928, v' =0.4380	Main Wave: λd=478.0nm	Peak Wave: λp=450nm		
Half Width: Δλd=20.8nm	Red Ratio: R=11.3%	Chromatism : SDCM=0.0		
Color rendering property :Ra=77.0				
R1=78	R2=77	R3=74	R4=82	R5=78
R6=69	R7=85	R8=74	R9=4	R10=43
R11=79	R12=41	R13=77	R14=85	R15=78



Other parameters:

Flux:Φ=1511.85 Lm	Efficiency:Effi=70.0 Lm/W	Stability:η=0.03 %
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.