

SMD & Piranha LED Modules

Product Description

These products are in accordance with CE, UL, and FCC testing standards. SMD & Piranha LED Modules with high power LEDs as light source provides energy saving, durable, economical and water proof signage lighting and decorating lighting solutions. It has a long life span of over 50,000 hours and hardly needs any maintenance costs. Moreover, if a dynamic lighting is required, it can be connected with specified dimmers (remote dimmers).

Performance Summary

3LEDs IP67 SMD Module	Utilize SMD 5050 LEDs, Piranha high brightness LEDs Long lifetime up to 50,000 hours IP68 degree, ideal for indoor and outdoor applications Color temperature tolerance of only ±100K Designed to last 50,000 hours and maintains at least 98% of initial lumen output at 1,000 hours Integrated thermal management system conducts heat away from LEDs and transfer it to surrounding environment Low power consumption, energy saving Two Year Warranty
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Unique Edges

3LEDs IP67 SMD Module 6LEDs IP67 Piranha Module Solid state, excellent property of shock-resistance Instant start-up Waterproof and submersible Fully heat dissipation Fully RoHS-compliant	No RF, IR and UV interference Easy installation with 3M double-sided sticking tape Minimum maintenance costs Safe and stable with low voltage (12VDC) No mercury and other hazardous material Consistent color temperature
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Data Sheet and Specifications for 3 LEDs Modules

Model	Operating Voltage	Power	Dimension (Length*Width*Height)	LED Qty.	Color	Material	Working Environment
FQB-WP503R-L1	12V DC	3 Watts	80mm*15mm*9 mm	3pcs	Red	Aluminum Plate	Indoor and outdoor applications, submersible
FQB-WP503Y-L1					Yellow		
FQB-WP503B-L1					Blue		
FQB-WP503G-L1					Green		
FQB-WP503W-L1					White		

Data Sheet and Specifications for 6 LEDs Modules

Model	Operating Voltage	Power	Dimension (Length*Width*Height)	LED Qty.	Color	Material	Working Environment
FQB-WP66R-L1	12V DC	3 Watts	80mm*15mm*9 mm	3pcs	Red	Aluminum Plate	Indoor and outdoor applications, submersible
FQB-WP66Y-L1					Yellow		
FQB-WP66B-L1					Blue		
FQB-WP66G-L1					Green		
FQB-WP66W-L1					White		
FQB-WP66R-L1		6 Watts	32mm*32mm*10mm	6pcs	Red		
FQB-WP66Y-L1					Yellow		
FQB-WP66B-L1					Blue		
FQB-WP66G-L1					Green		
FQB-WP66W-L1					White		

Physical Specification

Mercury-free, no other hazardous material Housing: Aluminum housing	Aluminum Plate IP Rating (Working environment): IP68 (submersible), ideal for indoor and outdoor applications
Operating Temperature: -20°C to 40°C (-4°F to 104°F)	

Electrical specifications

Operating Voltage: 12V DC	Operating Current: 330mA
Power Consumption: 3 Watts, 6 Watts	Power factor > 0.95
Power efficiency > 86%	CE (LVD and EMC), ETL pending

Optical specifications

Negligible UV, IR and RF	Light Source: SMD 5050 LEDs, Piranha high brightness LEDs
LED Quantity: 3 LEDs, 6 LEDs	Color Range: Red, Yellow, Blue, Green, White, RGB
Dimming System: Remote dimmer	Beam Angle: 120°
Lumen Maintenance: >98% @ 1,000 hours	Color Temperature: 5,000-6,500K
Color management system maintains color consistency over time and temperature	