

The LS6510 combines power and dimming control into a single convenient unit. Specifically approved for pool, spa and fountain luminaires up to 30V DC, the LS6510 accepts 0-10V or DMX protocols, with the ability to fine tune dimming output. This makes it easier to use with many other manufacturer's luminaires, as well as the complete suite of Lumascape underwater luminaires. The diecast aluminium housing features a 9-step surface treatment process, including two layers of powder coat, making the LS6510 perfect for poolside locations or other locations where corrosion/exposure is of concern. The LS6510 conforms to the UL379 pool, spa and fountain power unit standard, making it the ideal solution for a wide range of underwater lighting projects.

#### Electrical

Input Voltage	110-240V, 50/60Hz (International Market) 120V, 50/60Hz (North American Market)	
Output Voltage	24V DC 30V DC	
Output Power	240W	
Efficiency (typ)	92.5%	
Electrical Connections	Line Voltage In (2+E), 1 x #10 (6mm²), 2 x #16 (1.5mm²) Low Voltage Out, 1 x #10 (6mm²), 2 x #16 (1.5mm²)	
Entries (CE)	2 x M20 (threaded) - Power in / out 2 x M20 (threaded) - Low Voltage out 2 x M12 - Data / control looping (dimmable models)	
Entries (UL / ETL)	$2 \times \frac{3}{4}$ " - Power in / out 2 x $\frac{3}{4}$ " (threaded) - Low Voltage out 2 x $\frac{1}{2}$ " - Data / control looping (dimmable models)	

#### Control

Protocols	0-10V - (10%) Input for controlling PWM or PowerSync™ luminaires.
	DMX / RDM Input for controlling PWM or PowerSync™ luminaires.
	Configurable PWM output orientation and frequency.

### Physical

Diecast Aluminium, Stainless Steel hardware
Powder coated
Surface-mounted
-40°C to 50°C (-40°F to 122°F)
6.0kg (13.2lb)

#### Certification & Compliance

IP Rating	IP65
Environment	Dry, Damp, Wet locations
Certifications	UL379 - Power Unit for Fountain, Swimming Pool and Spa CSA C22.2 No. 89-15 - Swimming-pool Luminaires, Submersible Luminaires, and Accessories CSA C22.2 No. 218.1-13 - Spas, Hot Tubs, and Associated Equipment CSA C22.2 No. 218.2-15 - Hydromassage Bathtub Appliances

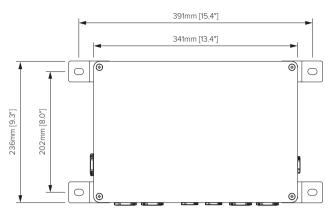
## p⊍wersync<sup>™</sup>

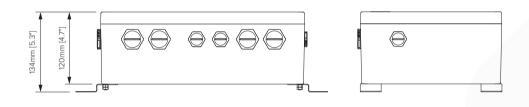




# Power & Control PS Pool, Spa & Fountain Power Unit

Dimensions





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LS6510		]		
Power	Code			
24V	24V	-		
30V	30V	-		
	Wa	ttage	Code	
	240	)W	240W	
		V	oltage	

Voltage	Code
110-240V, 50/60 Hz	O1 <sup>(1)</sup>
120V, 50/60 Hz	04(2)
<ul><li>(1) International market</li><li>(2) North American market</li></ul>	

Control	Co	de
DMX / RDM and 0-10V input. For controlling PWM luminaires	D	Х
DMX / RDM and 0-10V input. For controlling PowerSync™ luminaires	Ρ	D

Finish	Code
Black	BL
Anthracite Grey	AG
Basalt Grey	BT
Anodic Silver	SL
White	WT
Dark Bronze	DB
Latte	LT
Dark Aluminum	DA
Custom RAL	CC <sup>(1)</sup>
(1) Please provide PAL e	alour

(1) Please provide RAL colour.

