

LS375LED Star III

Underwater



The LS375LED is a compact, surface mounted fountain light designed for high performance applications. Constructed of both high pressure die-cast copper alloy and high-strength polymer, the LS375LED represents the next generation of compact fountain lighting. Higher power options and more control, including the introduction of the new Lumascope d5 driver technology for advanced dimming, as well as high resolution color changing options are featured in this luminaire.

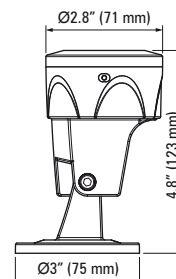
Specifications

Lamp Source	6 W or 9 W LED
	<input type="checkbox"/> White (4 300 K typical) <input type="checkbox"/> Warm white (3 000 K typical) <input type="checkbox"/> Blue (470 nm) <i>Other colors by request</i>
	9 W LED
	RGB
Approved Use	Submersible - fountains only
Control Options	0-10 V (current sourcing) PWM
	On-site or factory-programmable brightness <i>6 W only</i>
IP Rating	IP68 to 6' (2 m)
Construction	Die-cast copper alloy and high strength polymer
Installation Type	Surface mount
Standard Inclusions	MicroAntiLeach™ wire entry
	Thermal cutout
	16.4' (5 m) underwater cord <i>For extra length consult factory</i>
Remote Transformers <i>Order separately</i>	Refer to Technical Data section for application specific options
Ambient Operating Temperature	-22 °F to 104 °F (-30 °C to +40 °C)
Photometrics	Refer to www.lumascap.com

Any luminaire can become hot - take care with appropriate use and placement



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LAMP				OPTICAL SYSTEM			INPUT VOLTAGE	
Description	Wattage	Color	Code	Beam		Code	Description	Code
LED	6 W	White (4 300 K typical)	6W4	Narrow Medium	25°	NM	0-10 V or PWM Dimmable Driver, 12-15 V, 60 Hz	13-DIM ⁽¹⁾
		Warm white (3 000 K typical)	6H6	Medium	30°	ME		
		Blue (470 nm)	6B4	Wide	40°	WD ⁽¹⁾		
	9 W	White (4 300 K typical)	9W4	⁽¹⁾ Not applicable for RGB.				
		Warm white (3 000 K typical)	9H6					
		Blue (470 nm)	9B4					
		RGB	9M4					

Dimmable Wiring Diagram Reference

Input Voltage	LED Color	Control Type
13-DIM	Single Color	PWM
12-DIM	RGB	PWM

Dimmable Wiring Diagram Reference

Input Voltage	LED Color	Control Type	Wiring Diagram
13-DIM	Single Color	PWM	5
13-DIM	RGB	PWM	10

Diagram 5 - 0-10 V Dimming - Low Voltage Submersible LED Luminaire with d5 Driver on 12-14 V AC Circuit

Please note: The use of a GFCI may be required. Consult local wiring rules.

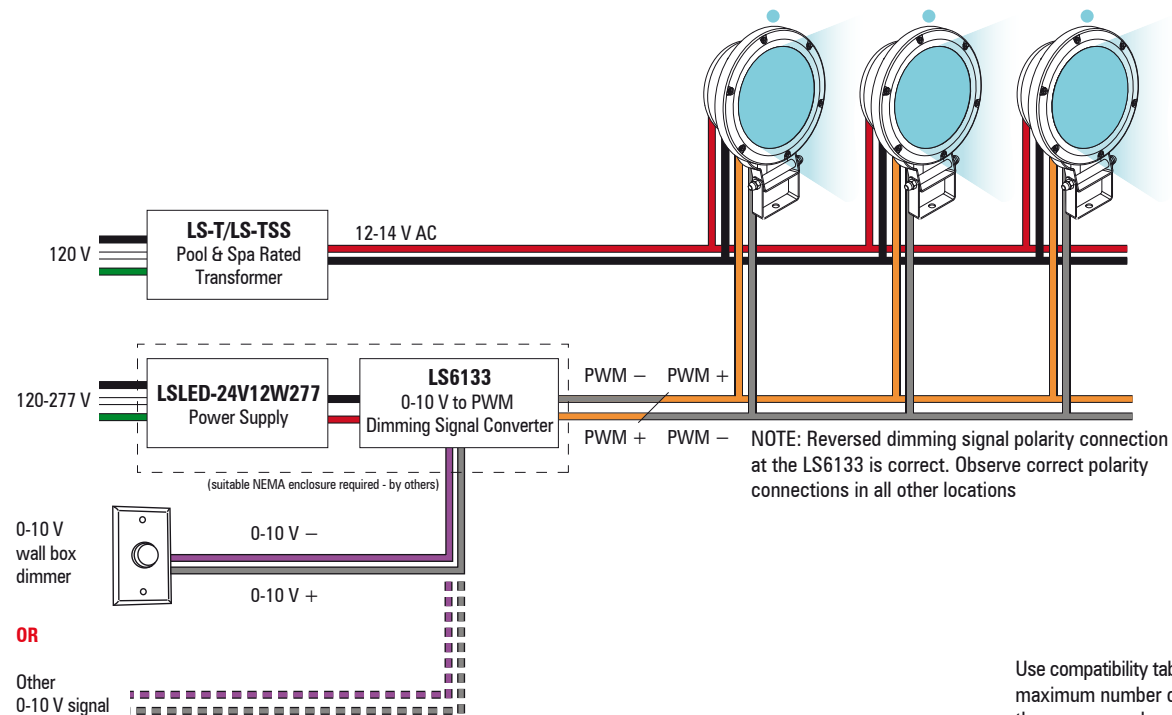
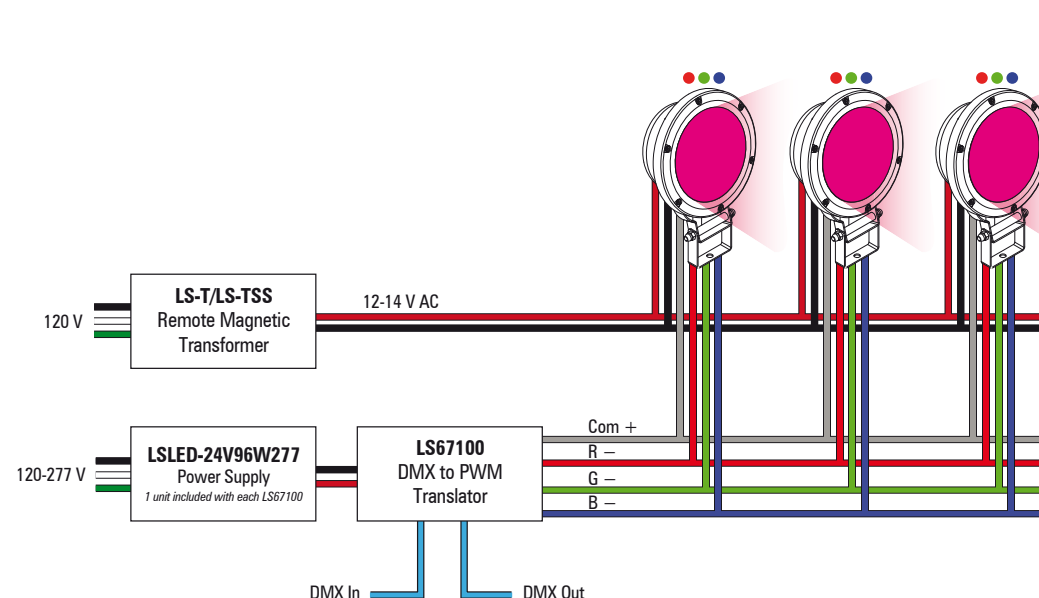


Diagram 10 - RGB via DMX for Low Voltage Submersible LED Luminaire on 12-14 V AC Circuit

Please note: the use of a GFCI may be required. Consult local wiring rules.



NOTE: The above diagrams are intended to show electrical pathways between luminaires and ancillary devices. These diagrams are not intended to show type or color of cord/wire, wire gauge or approved use of the cord/wire supplied with luminaires.

Consult the luminaire-specific cutsheet or the factory for detailed specifications.

Transformers for Submersible & Swimming Pool-rated LED Luminaires

The following list of transformers are for use with submersible and/or pool rated luminaires specifically described as being compatible with either 12 V AC (wirewound only) transformers. Compatibility will be noted in the ordering code of the luminaire concerned, and will typically be referenced by Voltage Code '13' or '13-DIM'. In the case of '13-DIM' additional components may be required. Refer to the applicable wiring diagram/s.

Compatibility with each transformer or power supply is indicated by the value mentioned, representing the maximum number of luminaires that may be powered from each transformer or power supply. Please note, this does not take into consideration voltage drop or ampacity limits of the branch circuit. For assistance, please contact factory.

	Pool, Spa & Fountain Transformers					
	LS-T-100	LS-TSS-100	LS-T-300	LS-TSS-300	LS-T-500	LS-TSS-500
Input Voltage	120 V, 60 Hz	120 V, 60 Hz	120 V, 60 Hz	120 V, 60 Hz	120 V, 60 Hz	120 V, 60 Hz
Output Voltage	12/13/14 V 60 Hz	12/13/14 V 60 Hz	12/13/14 V 60 Hz	12/13/14 V 60 Hz	12/13/14 V 60 Hz	12/13/14 V 60 Hz
Wattage	100 W	100 W	300 W	300 W	500 W	500 W
LS375LED, 6 Watt	7	7	23	23	38	38
LS375LED, 9 Watt	5	5	15	15	25	25

Pool, Spa and Fountain Transformers

LS-T-100 / LS-TSS-100

Magnetic transformer - wall mounted

Input	120 V
Rating	100 W
Output	12/13/14 V
Output Circuits	1
Protection	Electrostatic shield, short circuit and over-voltage breaker
Approvals	UL, CUL
NEMA Rating	3R
Construction	Powder coated steel / stainless steel (LS-TSS-100)
Dimensions	H 9.06" (230 mm) W 5.06" (129 mm) D 4.59" (117 mm)
Weight	12.5 lb (5.7 kg)

LS-T-500 / LS-TSS-500

Magnetic transformer - wall mounted

Input	120 V
Rating	500 W
Output	12/13/14 V
Output Circuits	1
Protection	Electrostatic shield, short circuit and over-voltage breaker
Approvals	UL, CUL
NEMA Rating	3R
Construction	Powder coated steel / stainless steel (LS-TSS-500)
Dimensions	H 9.06" (230 mm) W 5.06" (129 mm) D 4.59" (117 mm)
Weight	14 lb (6.4 kg)

LS-T-300 / LS-TSS-300

Magnetic transformer - wall mounted

Input	120 V
Rating	300 W
Output	12/13/14 V
Output Circuits	1
Protection	Electrostatic shield, short circuit and over-voltage breaker
Approvals	UL, CUL
NEMA Rating	3R
Construction	Powder coated steel / stainless steel (LS-TSS-300)
Dimensions	H 9.06" (230 mm) W 5.06" (129 mm) D 4.59" (117 mm)
Weight	13 lb (5.9 kg)

Control Related Equipment

LS6133

0-10 V to PWM translator - NEMA enclosure required (by others)

Input	24 V DC
Rating	96 W max
Output	4 A max
Output Circuits	1
Approvals	UL, CUL Recognized, Class 2
IP Rating	IP66
Dimensions	H 5.2" (132 mm) W 1.3" (33 mm) D 1" (25 mm)
Weight	0.2 lb (0.1 kg)

LS67100

DMX to PWM translator - dry location only

Input	24 V DC
Rating	4 x 60 W max
Output	4 x 2.5 A max
Output Circuits	4
Approvals	UL, CUL
IP Rating	N/A
Dimensions	H 11.25" (286 mm) W 4.6" (117 mm) D 3.2" (82 mm)
Weight	0.5 lb (0.2 kg)

