



A powerful LED luminaire with exceptional light output and is available in a wide variety of optical configurations including narrow spot and bi-symmetrical distributions. The luminaire has a wide variety of color temperatures and is constructed from cast brass ideally suited for the underwater environment. Lighting professionals now have greater creative flexibility with the choice of a designer lens option, which provides superb color-over-angle consistency and blending of colors even at close blending distances. Standard LED options are also available for exceptional reach.

Performance

Static White & Color ¹	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 2,700 K (80 CRI)	3,180	92	59,100
● 3,000 K (80 CRI)	3,320	96	60,400
○ 3,500 K (80 CRI)	3,500	101	64,600
● 4,000 K (80 CRI)	3,650	105	67,900
● 5,000 K (70 CRI)	4,310	124	69,900
● Red	–	–	–
● Green	–	–	–
● Blue	–	–	–

¹ Static White lumen output values are based on a 10° standard lens.

Dynamic Color ²	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● RGBA	–	–	–
● RGBW	2,150	62	11,900
● RGBW with Royal Blue	–	–	–

² Dynamic Color lumen output values based on an 6° designer lens.

Tunable White ³	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 2,700 K - 6,500 K	–	–	–

³ Tunable White lumen output values based on an 6° designer lens.

Beam Angles	Light Engine	Series	Beam Angles
	Static White & Single Color	Standard	10°, 15°, 30°, 45°, 60° x 10°, 40° x 10°, 40° x 20°, 60° x 20°
		Designer ⁴	6°, 15°, 30°, 45°, 60°, 60° x 10°, 40° x 10°, 40° x 20°, 60° x 20°
	Dynamic Colour	Designer ⁴	6°, 15°, 30°, 45°, 60°, 60° x 10°, 40° x 10°, 40° x 20°, 60° x 20°
	Tunable White	Designer ⁴	6°, 15°, 30°, 45°, 60°, 60° x 10°, 40° x 10°, 40° x 20°, 60° x 20°

⁴ Significantly reduces color-over-angle separation, fewer striations in the beam and shorter blending distances.



Electrical

LED Power	32 W
Power Consumption	≤ 35 W maximum
Lifetime (L70)	> 60,000 hrs (B10, L70, TM21)
Input Voltage	Low Voltage 30 Vdc
Thermal Management	CoolDrive™ onboard thermal monitoring and control

Controls

Interface	Lumascap PowerSync™
Protocols¹	DMX/RDM, Artnet, PWM ² 0-10 V (sink or source) ² , Phase-Dimming ²
PWM Frequency	2 kHz flicker-free dimming to 0.1%
Systems	Range of third-party controllers

¹ Some protocols require additional hardware. For details and other available protocols contact Lumascap.

² Not available for color-changing or tunable white.

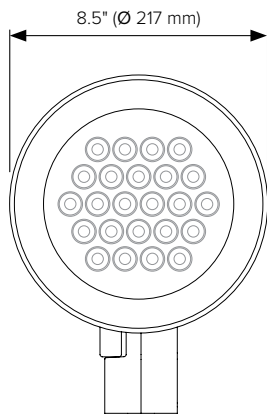
Physical

Housing	Die-cast brass with tempered glass lens, stainless steel fasteners and constant torque adjustable mounting bracket (lockable and reversible)
Finish	Natural brass and black epoxy top coat
Installation	Surface-mounted
Adjustable	Constant torque adjustable mounting bracket (lockable and reversible)
Ambient Operating Temperature	-4 °F to 104 °F (-20 °C to 40 °C)
Water Temperature Rating	41 °F to 104 °F (5 °C to 40 °C)
Surface Temperature	≤138 °F (59 °C)
Weight	14.5 lbs (6.5 kg)

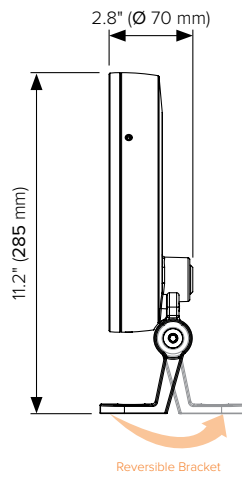
Certification & Compliance

IP Rating	IP68 to 6 ft (1.8 m)
IK Rating	IK9
Environment	Submersible (Fountain / Water feature only), Wet/Dry locations
Certifications	ETL, CE, RCM

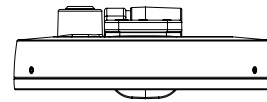
Dimensions



Front View

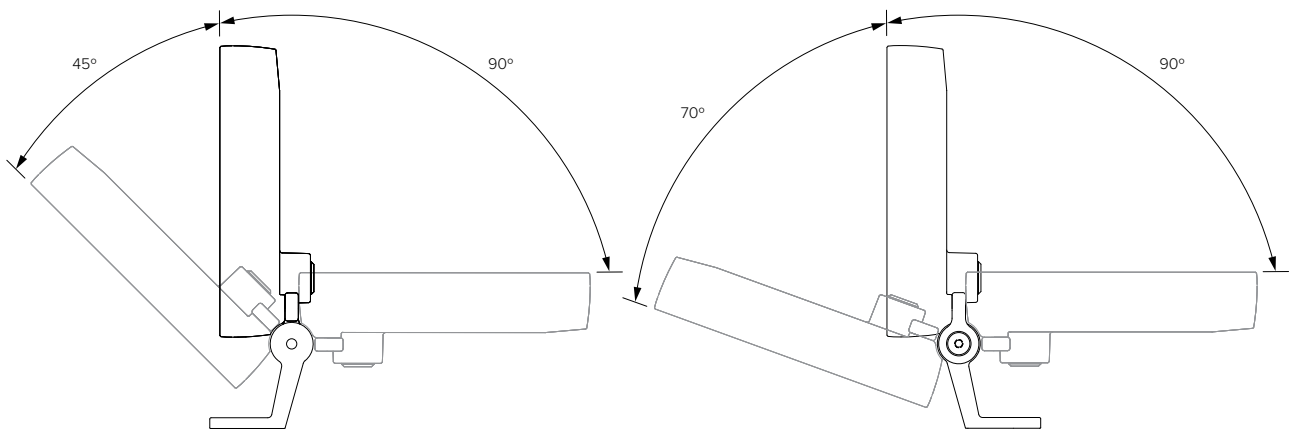


Side View



Top View

Luminaire Rotation



Specification Matrix

LS5030	-	32			84				
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Light Engine	Code
32 W	32

Series	Code
Designer	D
Standard	S

Static White & Color	Code
2,700 K (80 CRI)	827
3,000 K (80 CRI)	830
3,500 K (80 CRI)	835
4,000 K (80 CRI)	840
5,000 K (70 CRI)	750
Red	RED
Green	GRN
Blue	BLU

Standard	Designer	Code
N/A	6°	VN
10°	N/A	NR
15°	15°	NM
30°	30°	ME
45°	45°	WD
N/A	60°	WF
10° x 60°	10° x 60°	LH
60° x 10°	60° x 10°	LV
10° x 40°	10° x 40°	NH
40° x 10°	40° x 10°	NV
20° x 40°	20° x 40°	MH
40° x 20°	40° x 20°	MV
20° x 60°	20° x 60°	WH
60° x 20°	60° x 20°	WV

Dynamic Color	Code
RGBA	4CA
RGBW	4CW
RGBW with Royal Blue	4BW

Tunable White	Code
2,700 K - 6,500 K	2WT

Connection Type	Code
Flexible single entry cable for hardwired installations	84

Input Voltage	Code
30 Vdc	07 ¹
30 Vdc	13 ²

¹ International market
² North America market

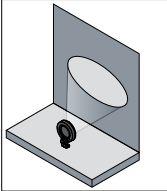
Control	Code
Non-dimming	ND ¹
Powersync™	PS ²

¹ For single color, non-dimming applications.
² Required for all dimming and color-changing applications. Powersync™ Data Injector required (order separately) LS6510 - North American market
LS6550 - International market

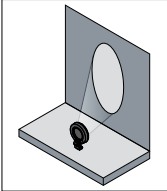
Finish	Code
Epoxy Black	EB
Natural Brass	BR
Custom RAL	CC ¹

¹ RAL color required

Length	Code
1 ft (0.3 m)	001
2 ft (0.6 m)	002
3 ft (1 m)	003
6 ft (2 m)	006
16 ft (5 m)	016
33 ft (10 m)	033
50 ft (15 m)	050
66 ft (20 m)	066
98 ft (30 m)	098



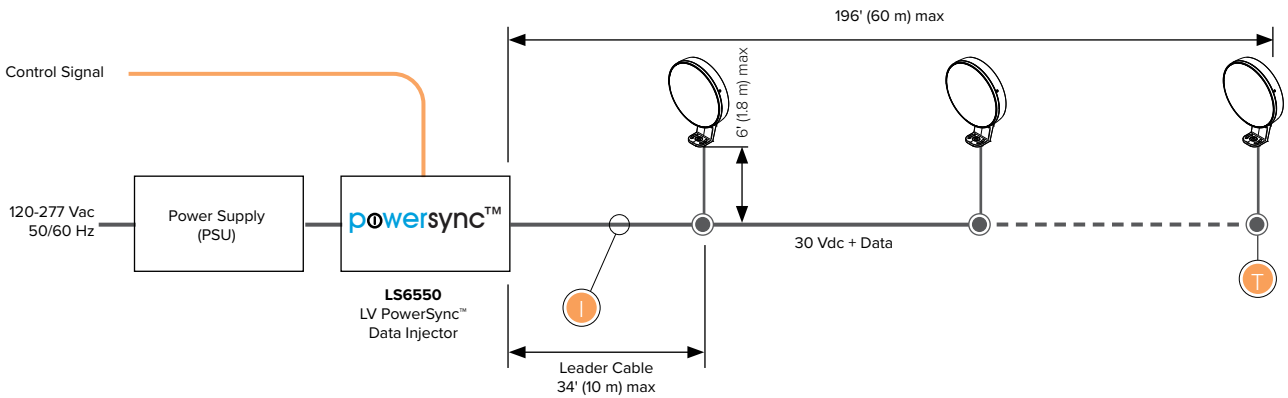
Beam Orientation for the "LH", "NH", "MH" and "WH" optical system



Beam Orientation for the "LV", "NV", "MV" and "WV" optical system

Network Topology – Dimmable and Color-Changing via PowerSync™

International Market



Up to 6 luminaires per run under the following conditions:

- Maximum total cable run length 196 ft (60 m) in up to two trunk cables
- Refer to "Transformer Compatability Table" table for maximum number of luminaires.
- Always observe local electrical codes for branch circuit current limitations

Transformer Compatability Table

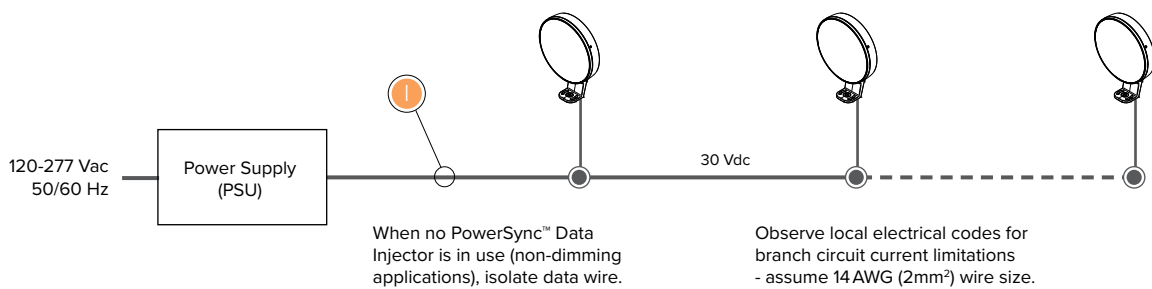
Maximum Number of Luminaires	
PSU Power	Luminaire Power (32 W)
120 W	2
240 W	4
320 W	6

Refer to PowerSync™ installation instructions for maximum distance information and typology options. For non-continuous runs contact Lumascope for details.

- T Terminator**
Use PowerSync™ terminator, supplied with leader cable to terminate last luminaire in chain.
- I Maximum Current**
Maximum current through cables and connectors supplied by Lumascope:
≤12.8 A – Installations in North American Market (UL, ETL)
≤16 A – Installations in International Market (CE, CCC)
- Connection Type**
Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

Network Topology – Non-Dimmable

International Market



Up to 6 luminaires per run under the following conditions:

- Refer to 'Transformer Compatibility Table' table for maximum number of luminaires
- Always observe local electrical codes for branch circuit current limitations



Maximum Current

Maximum current through cables and connectors supplied by Lumascope:
 ≤12.8 A – Installations in North American Market (UL, ETL)
 ≤16 A – Installations in International Market (CE, CCC)



Connection Type

Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

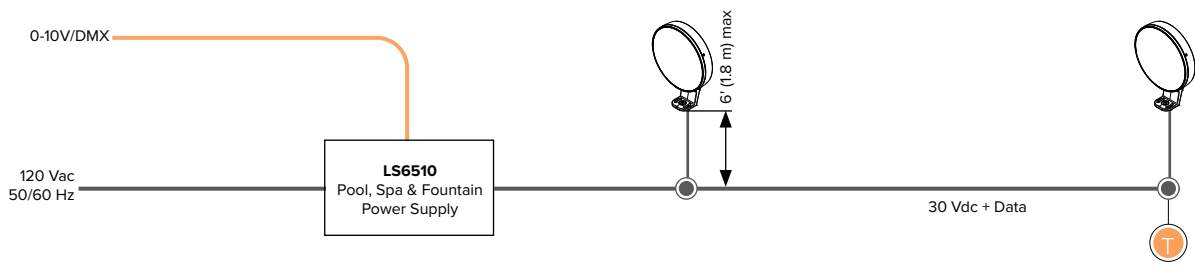
Transformer Compatibility Table

Maximum Number of Luminaires	
PSU Power	Luminaire Power (32 W)
120 W	2
240 W	4
320 W	6

Refer to PowerSync™ installation instructions for maximum distance information and topology options. For non-continuous runs contact Lumascope for details.

Network Topology – Dimmable and Color-Changing via PowerSync™

North America Market



Maximum luminaires per run under the following conditions:

- Low voltage circuit – maintain voltage drop within acceptable limits.
- For circuit length in excess of 100 ft (30 m), maintain data wire size as not larger than 14 AWG.
- Refer to 'Transformer Compatibility Table' table for maximum number or luminaires
- Always observe local electrical codes for branch circuit current limitations



Terminator

Use PowerSync™ terminator, supplied with leader cable to terminate last luminaire in chain.



Connection Type

Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

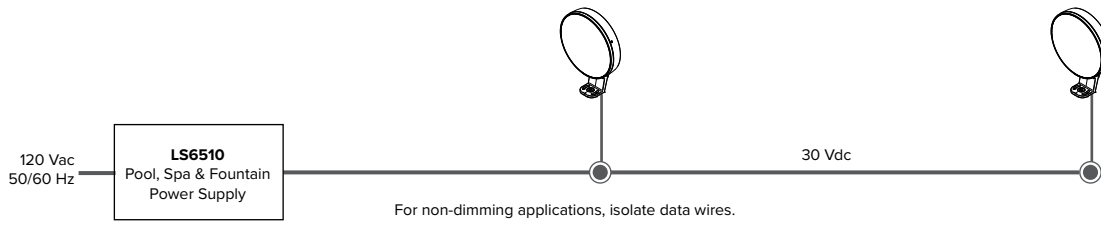
Transformer Compatibility Table

Maximum Number of Luminaires	
LS6510	Luminaire Power (32 W)
240 W	4

Refer to PowerSync™ installation instructions for maximum distance information and typology options. For non-continuous runs contact Lumascope for details.

Network Topology – Non-Dimmable

North America Market



Maximum luminaires per run under the following conditions:

- Low voltage circuit – maintain voltage drop within acceptable limits.
- For circuit length in excess of 100 ft (30 m), maintain data wire size as not larger than 14 AWG.
- Refer to 'Transformer Compatibility Table' table for maximum number or luminaires
- Always observe local electrical codes for branch circuit current limitations

● Connection Type

Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

Transformer Compatability Table

Maximum Number of Luminaires	
LS6510	Luminaire Power (32 W)
240 W	4

Refer to PowerSync™ installation instructions for maximum distance information and typology options.
For non-continuous runs contact Lumascope for details.

Wire Colors & Designations

Low Voltage

Designation	Color
30 Vdc +	Red
30 Vdc -	Black
Data +	Orange
Data -	Grey

