The next-generation Woda W3, are a pair of high-performance projectors, designed for lasting reliability in underwater and wet/dry applications.

With an impressive output of up to 3,600 lumens, and a collection of configurable options including RGBW and static white CCTs, this luminaire offers multiple beam angles, and additional glare control accessories.

Illuminate water features, sculptural, architectural, and landscape elements with precision, in or out of the water. Easy-to-install and precision-engineered, the Woda W3 is factory-sealed with an IP68 rating and constructed from marine-grade 316 stainless steel for the ultimate in corrosion resistance.

Transform your next project with the Woda W3 and unlock endless possibilities!

Performance (48 W Option)

Static White & Color[1]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
3,000 K (80 CRI)	3,320	71	37,500
4,000 K (80 CRI)	3,590	77	40,600

[1] Lumen output values are based on a 48 W luminaire with 13° lens

Dynamic Color[2]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
RGBW (4,000 K) with Royal Blue	2,030	44	20,900

[2] Lumen output values are based on a 48 W luminaire with 13° lens

Performance (24 W Option)

Static White & Color[1]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
3,000 K (80 CRI)	2,000	83	22,600
4,000 K (80 CRI)	2,170	90	24,400

[1] Lumen output values are based on a 24 W luminaire with 13° lens

Dynamic Color[2]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
RGBW (4,000 K) with Royal Blue	1,270	55	13,100

[2] Lumen output values are based on a 24 W luminaire with 13° lens

Beam Angles	13°, 33°, 47°, 20° x 66°, 66° x 20°

powersync™ easyglow™ cooldrive™ microantileach™
opticlear™ humantouch™ electropolish+™

Intertek

LS5030-240513

Electrical

Power Consumption	< 24 W, < 48 W
Lifetime	> 140,000 hours @ 35°C Water Temperature (B10, L70, TM21 Projected) > 140,000 hours @ 50°C Ambient Temperature (B10, L70, TM21 Projected)
Input Voltage	Low Voltage 30 Vdc
Thermal Management	CoolDrive™ onboard thermal monitoring and control

Control

Interface	Lumascape **PowerSync™**
Protocols	DMX/RDM, Artnet[1], 0-10 V (sink or source)[2]
PWM Frequency	2 kHz flicker-free dimming to 0.1%
RDM Functionality	PowerSync enabled Lumascape luminaires are shipped with a default RDM personality which provides smooth dimming control. For different dimming characteristics or to enable other special functionalities, the default personality can be changed through industry standard DMX/RDM.
Systems	Range of third-party controllers

[1] Some protocols require additional hardware. For more information and other available protocols contact Lumascape.
[2] Not available for color-changing or tunable white

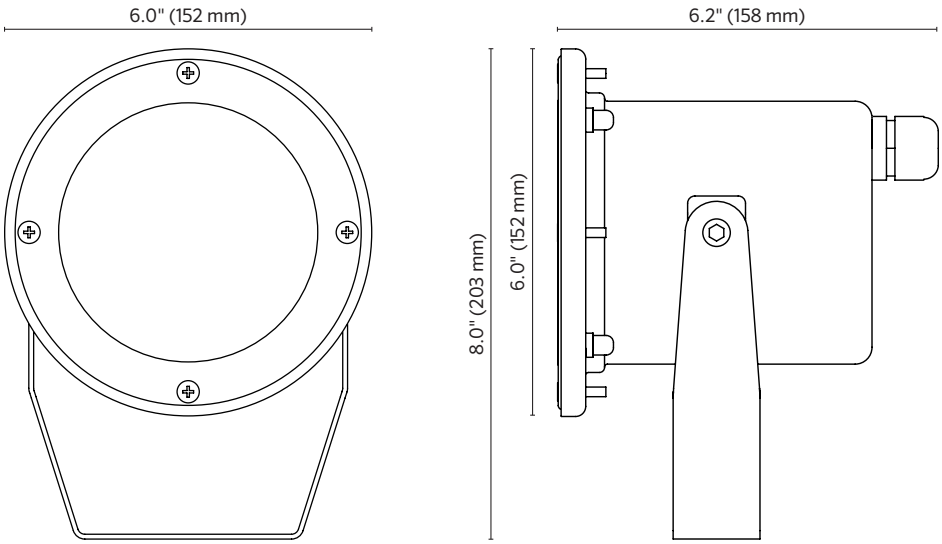
Physical

Housing	Marine-grade 316 stainless-steel with toughened glass lens
Finish	Three-stage ElectroPolish+™ stainless-steel finish, epoxy black
Installation	Surface-mounted
Adjustable	Multi-positional
Ambient Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Water Temperature	-4°F to 95°F (-20°C to 35°C)
Weight	7.7 lb (3.5 kg)

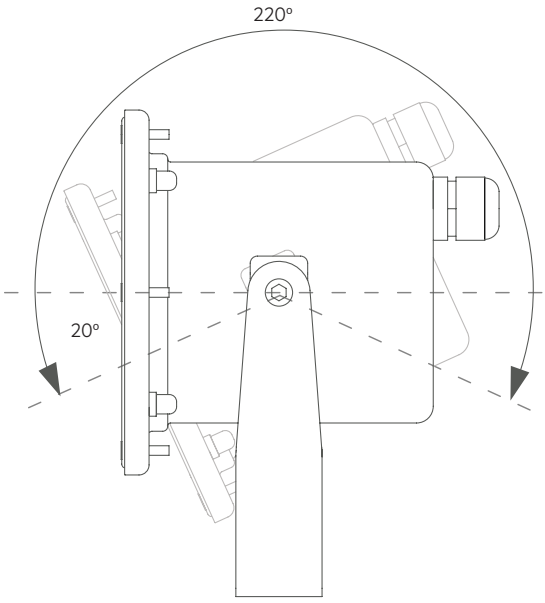
Certification & Compliance

IP Rating	IP68 to 33' (10 m)
IK Rating	IK7
Environment	**24 W & 48 W:** Submersible (Fountain/Water Feature only) **24 W Only:** Wet/Dry, Dry locations
Certifications	ETL, CE, RCM, FCC

Dimensions



Luminaire Tilt



Specification Matrix

LS5030 – [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Power Consumption	Code
24 W	24D
48 W	48D

Static White & Color	Code
3,000 K (80 CRI)	830
4,000 K (80 CRI)	840

Dynamic Color	Code
RGBW with Royal Blue	4BW

Beam Angles	Code
13°	NR
33°	ME
47°	WD
20° x 66°	WH
66° x 20°	WV

Glare Control	Code
No Louver	N
Snoot Array Louver	S
Honeycomb Louver	H

Input Voltage	Code
30 Vdc (International)	07
30 Vdc (North America)	13

Control	Code
Non-Dimmable	ND[1]
PowerSync®	PS[2]

[1] For single colour, non-dimming applications only.
[2] Required for all dimming and colour changing applications. LS6540 Data Injector is required (order separately).

Finish	Code
Stainless Steel	SS
Epoxy Black	EB

Cable Length	Code
16 ft (5 m)	016

Accessories

PowerSync Low Voltage 30-48 Vdc Data Injector

Translates control signals into a digital format, delivering integral power and data to intelligent LED luminaires. This allows highly-granular addressing and high-speed digital control of every luminaire, using only three wires. The data injector is DIN rail mountable designed to be installed in a switchboard, next to the power supply and circuit breaker that is supplying power to the controlled lighting circuit. Accepts a growing list of standard protocols (0-10 V, DMX/RDM) for simple integration with a wide selection of control systems using these industry standard protocols.

LS6550 – **2D**

Product	Code
Data Injector PS4	LS6550

Control	Code
DMX/RDM, 0-10 V Input	2D

Note:

PowerSync Data Injector ships with three (3) hardwired terminators and one (1) hardwired DMX terminator.

Pool, Spa and Fountain Power Supply

Combines power and dimming control into a single convenient unit. Specifically approved for pool, spa and fountain luminaires up to 30 Vdc, this power supply accepts 0-10 V or DMX protocols, with the ability to fine tune dimming output. The diecast aluminium housing features a 9-step surface treatment process, including two layers of powdercoat, making it perfect for poolside locations or other locations where corrosion/exposure is of concern. Conforms to the UL379 pool, spa and fountain power unit standard.

Suitable for use in North America Only

LS6510 – **30V** **240W** **04** [ ] [ ]

Output Voltage	Code
30 V Secondary	30V

Light Engine	Code
240W	240W

Input Voltage	Code
120 Vac, 50/60 Hz	04

Controls	Code
DMX/RDM and 0-10 V	DX
PowerSync	PS

Finish	Code
Black	BL
Anthracite Gray	AG
Basalt Gray	BT
Graphite Gray	GH
Anodic Silver	SL
White	WT
Dark Bronze	DB
Latte	LT
Dark Aluminum	DA
Custom RAL	CC[1]

[1] RAL color required

Wet Location Power Supply

Specifically approved for low voltage LED luminaires up to 30 Vdc, this power supply unit accepts 0-10 V or DMX protocols, with the ability to fine-tune dimming output. This makes it easier to use with many other manufacturer's luminaires. The die-cast aluminium housing features a 9-step surface treatment process, including two layers of powder-coat, making the LS6520 perfect for poolside locations or other locations where corrosion or exposure is of concern.

Suitable for use in North America Only

LS6520 – **30V** [ ] **09** [ ] [ ]

Output Voltage	Code
30 V Secondary	30V

Light Engine	Code
120 W	120W
240 W	240W
320 W	320W

Input Voltage	Code
120-277 Vac, 50/60 Hz	09

Controls	Code
DMX/RDM and 0-10 V	DX
PowerSync	PD

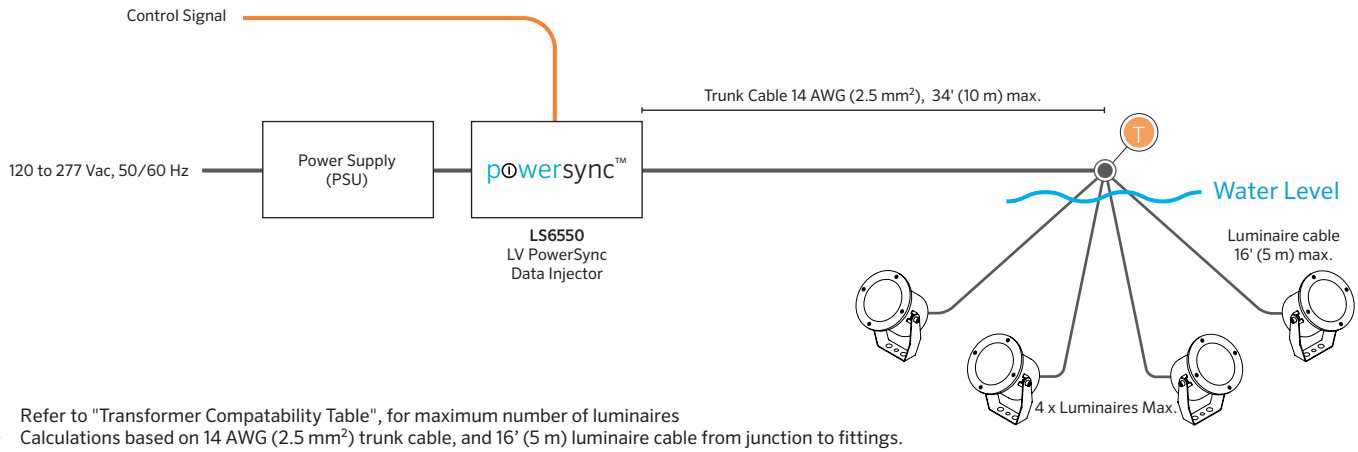
Finish	Code
Black	BL
Anthracite Gray	AG
Basalt Gray	BT
Graphite Gray	GH
Anodic Silver	SL
White	WT
Dark Bronze	DB
Latte	LT
Dark Aluminum	DA
Custom RAL	CC[1]

[1] RAL color required

Star Topology – Recommended for Underwater Applications

International Market

Circuit Limits – Dimmable and Color-Changing via PowerSync™



- Refer to "Transformer Compatability Table", for maximum number of luminaires
- Calculations based on 14 AWG (2.5 mm²) trunk cable, and 16' (5 m) luminaire cable from junction to fittings.
- Always observe local electrical codes for branch circuit current limitations
- For other configurations, contact Lumascape.

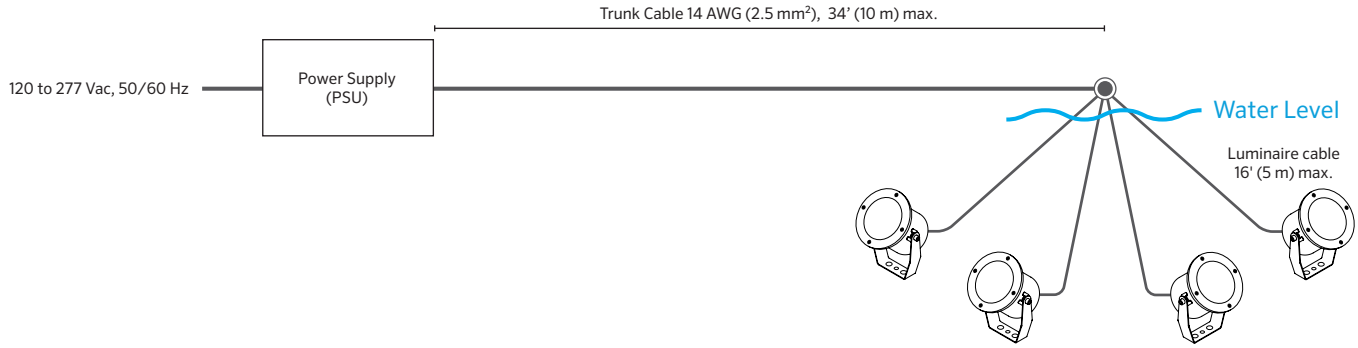
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply		
		120 W	240 W	320 W
24 W	34' (10 m)	4	4	4
48 W	34' (10 m)	2	4	4

Terminator

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

Circuit Limits – Non-Dimmable, Single Color Only



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- Calculations based on 14 AWG (2.5 mm²) trunk cable, and 16' (5 m) luminaire cable from junction to fittings.
- Always observe local electrical codes for branch circuit current limitations
- For other configurations, contact Lumascape.

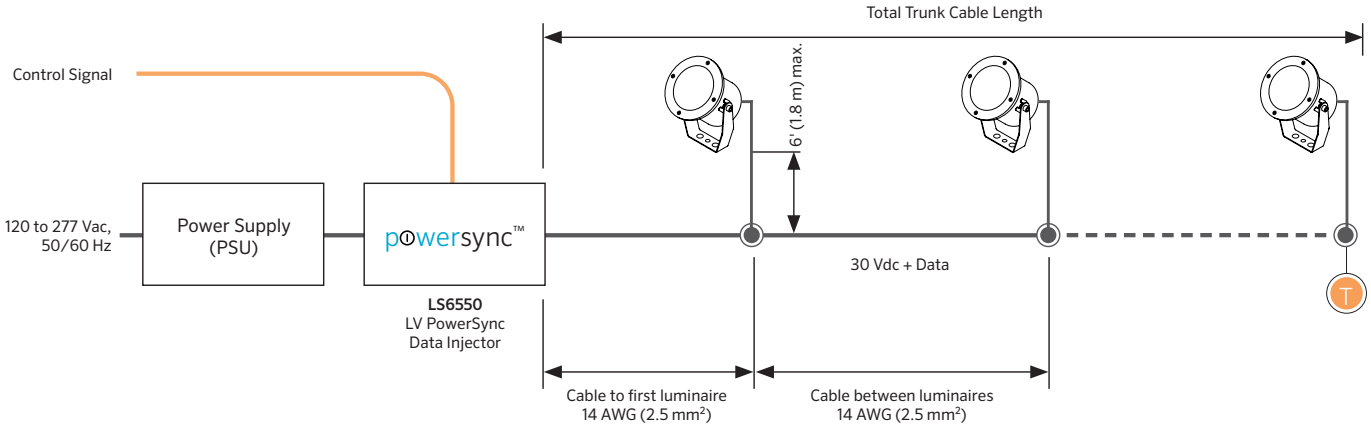
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply		
		120 W	240 W	320 W
24 W	34' (10 m)	4	8	10
48 W	34' (10 m)	2	4	5

Trunk Topology – Recommended for Above Water Applications

International Market

Circuit Limits – Dimmable and Color-Changing via PowerSync™



- Refer to "Transformer Compatability Table", for maximum number of luminaires
- Calculations based on 14 AWG (2.5 mm²) trunk cable, and 16' (5 m) trunk cable between luminaires.
- Always observe local electrical codes for branch circuit current limitations
- For other configurations, contact Lumascape.

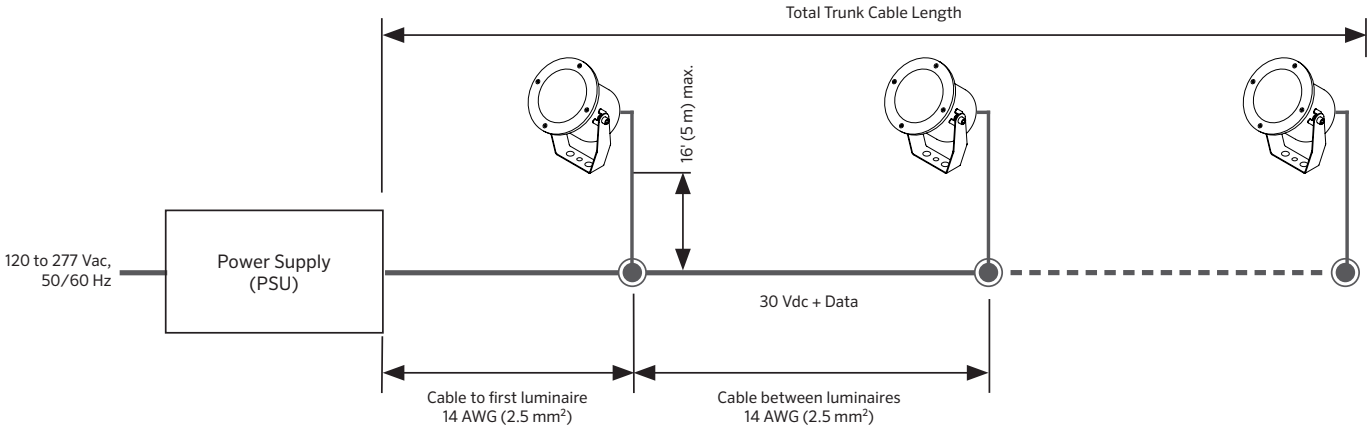
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply		
		120 W	240 W	320 W
24 W	50' (15 m)	4	7	7
	98' (30 m)	4	5	5
	164' (50 m)	3	4	4

Terminator

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

Circuit Limits – Non-Dimmable, Single Color Only



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- Calculations based on 14 AWG (2.5 mm²) trunk cable, and 16' (5 m) trunk cable between luminaires.
- Always observe local electrical codes for branch circuit current limitations
- For other configurations, contact Lumascape.

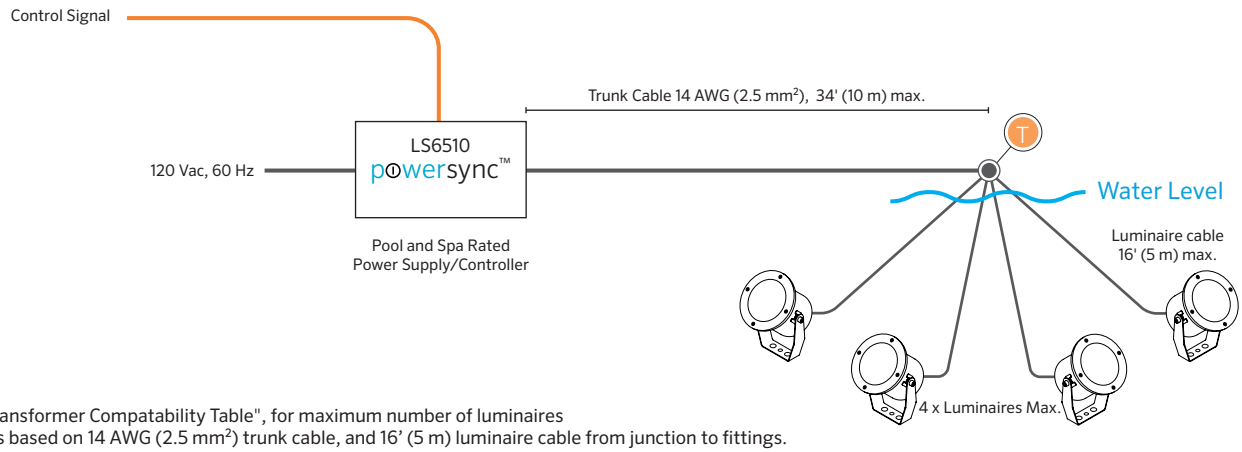
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply		
		120 W	240 W	320 W
24 W	50' (15 m)	4	7	9
	98' (30 m)	4	7	7
	164' (50 m)	4	5	5

Star Topology – Recommended for Underwater Applications

North American Market

Circuit Limits – Dimmable and Color-Changing via PowerSync™



- Refer to "Transformer Compatability Table", for maximum number of luminaires
- Calculations based on 14 AWG (2.5 mm²) trunk cable, and 16' (5 m) luminaire cable from junction to fittings.
- Always observe local electrical codes for branch circuit current limitations
- For other configurations, contact Lumascape.

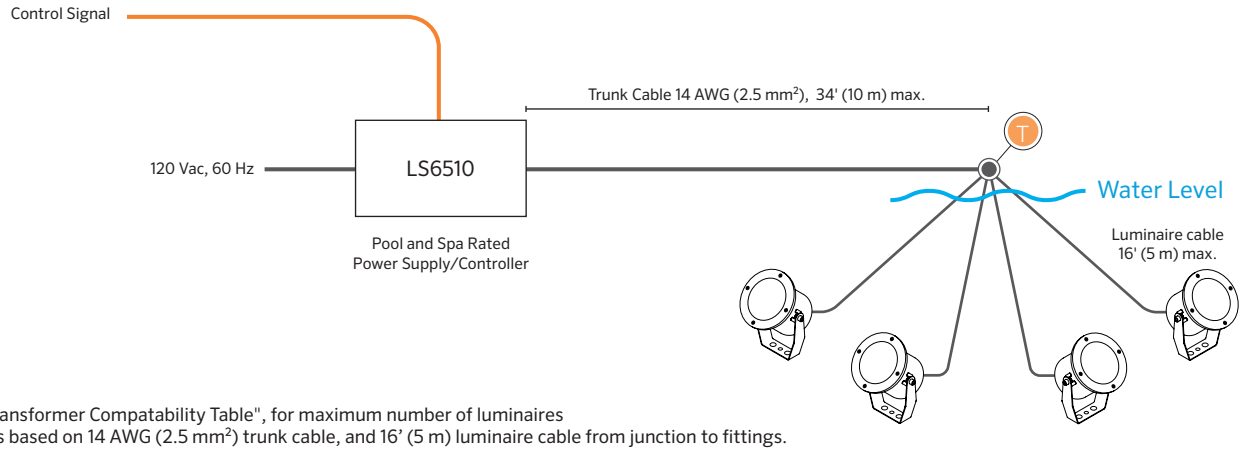
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply
		240 W
24 W	34' (10 m)	4
48 W	34' (10 m)	3

Terminator

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

Circuit Limits – Non-Dimmable, Single Color Only



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- Always observe local electrical codes for branch circuit current limitations
- For other configurations, contact Lumascape.

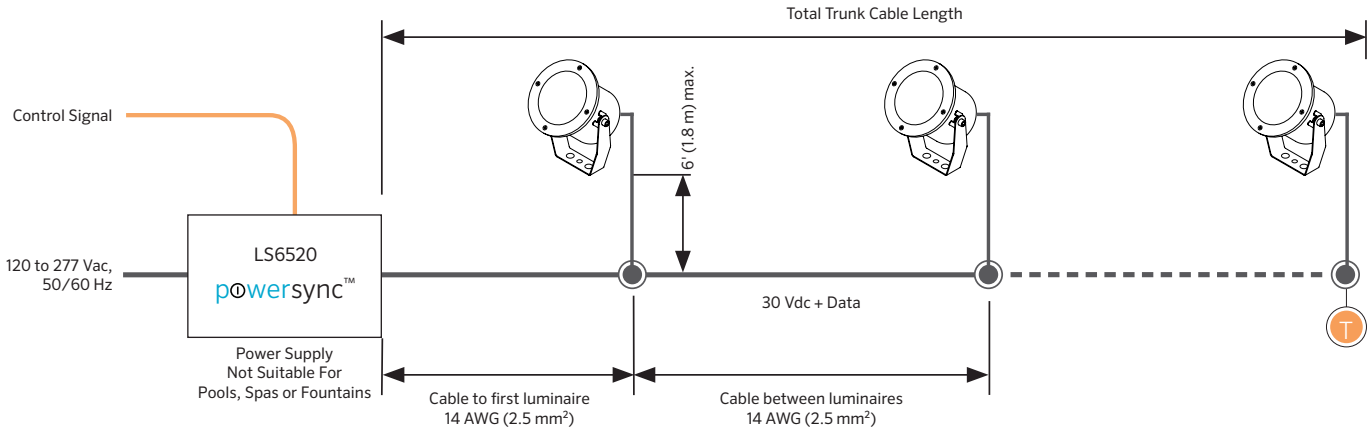
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply
		240 W
24 W	34' (10 m)	8
48 W	34' (10 m)	3

Trunk Topology – Recommended for Above Water Applications

North American Market

Circuit Limits – Dimmable and Color-Changing via PowerSync™



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- Calculations based on 14 AWG (2.5 mm²) trunk cable, and 16' (5 m) trunk cable between luminaires.
- Always observe local electrical codes for branch circuit current limitations
- For other configurations, contact Lumascape.

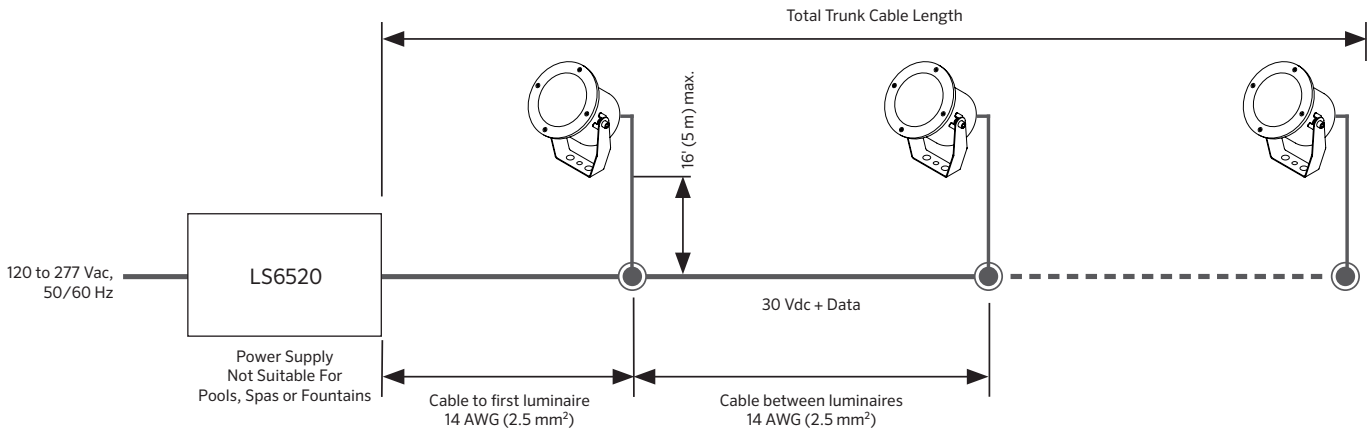
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply		
		120 W	240 W	320 W
24 W	50' (15 m)	4	4	4
	98' (30 m)	3	3	3
	164' (50 m)	2	2	2

Terminator

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

Circuit Limits – Non-Dimmable, Single Color Only



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- For other configurations, contact Lumascape.

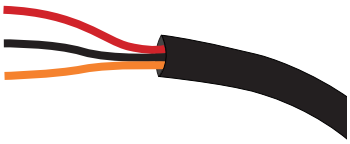
Transformer Compatability Table

Luminaire Power	Max. Leader Cable Length from Power Supply to First Luminaire	Maximum Number of Luminaires per Power Supply		
		120 W	240 W	320 W
24 W	50' (15 m)	4	7	7
	98' (30 m)	4	5	5
	164' (50 m)	3	4	4

Luminaire Wire Colors & Designations

Low Voltage 30 Vdc + PowerSync™

Designation	Color
Positive	Red
Negative	Black
Data	Orange



Low Voltage 30 Vdc Non-Dimmable

Designation	Color
Positive	Red
Negative	Black
Data	Not Used