



The Terraluz TE5 Generation 2 is a high-output linear in-ground brings together the best technology in a simple yet stylish linear form factor with bezel-less edge-to-edge glass finish. With a $\pm 15^\circ$ tilt adjustment and wallwash options, the Terraluz TE5 is a versatile, high-performance luminaire. Packed with features including EasyGlow™ visual comfort and CoolDrive™ thermal management technologies. PowerSync™ suits both highly granular DMX/RDM control requirements and standard white light dimming via common protocols. Fixtures can be installed end-to-end for continuous linear lighting. Available in white, color-changing and tunable white light engines.

Performance

Static White & Color ¹	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 2,700 K (80 CRI)	6,630	68	255,800
● 3,000 K (80 CRI)	6,910	71	266,700
○ 3,500 K (80 CRI)	7,200	74	277,500
● 4,000 K (80 CRI)	7,480	77	288,400
● 5,000 K (70 CRI)	7,480	77	288,400

¹ Lumen output values are based on a 23 W/ft, 4 ft luminaire with 6° lens.

Dynamic Color ²	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● RGBA	4,030	43	128,700
● RGBW with Royal Blue*	3,910	44	141,800

² Lumen output values are based on a 23 W/ft, 4 ft luminaire with 6° lens

Tunable White ³	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 2,700 K – 6,500 K	7,200	74	277,500

³ Lumen output values are based on a 23 W/ft, 4 ft luminaire with 6° designer lens with all channels at 100%

Beam Angles	6°, 10°, 15°, 30°, 45°, 60°, 10° x 40°, 10° x 60°, 20° x 40°, 20° x 60°, 100°, Wallwash / Asymmetric
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! Other LED colours and CRIs available on request. Contact Lumascope for options.



Products and specifications are subject to change without notice.
LS3150 GEN2_251008

Electrical

Power Consumption	15 W/ft, 23 W/ft
Lifetime (L70)	>60,000 hrs (B10, L70, TM21)
Input Voltage	International 220-240 Vac, 50/60 Hz North America 120/277 Vac, 60 Hz
Earth Leakage	0.6 mA @ 220 V
Thermal Management	CoolDrive™ onboard thermal monitoring and control

Control

Interface	Lumascap PowerSync™
Protocols¹	DMX / RDM, Artnet, PWM ² , 0 - 10 V (sink or source) ²
PWM Frequency	2 kHz flicker-free dimming to 0.1%
RDM Functionality	PowerSync enabled Lumascap 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 Lumascap.

² Not available for color-changing or tunable white.

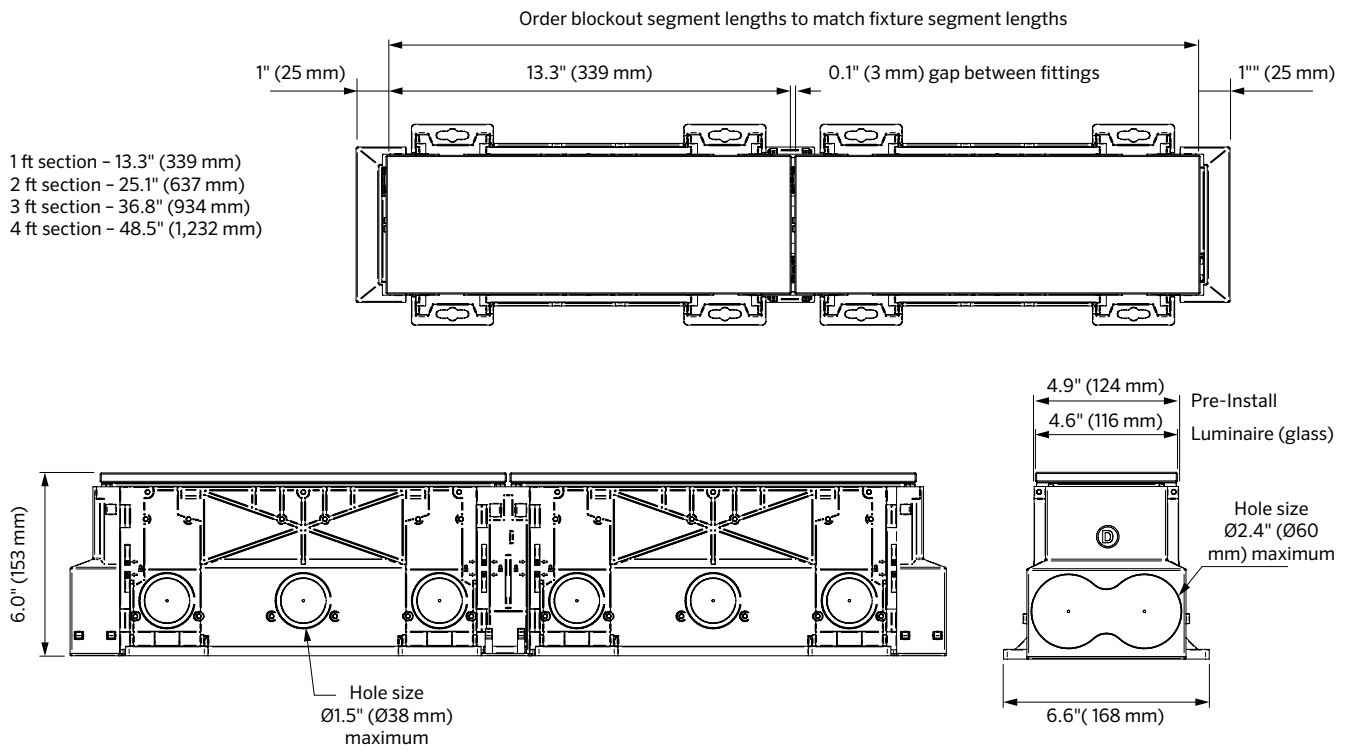
Physical

Housing	Marine-grade extruded aluminum, tempered glass
Finish	Superior 9-step powder-coating process, including marine-grade epoxy undercoat and polyester top coat
Installation	Pre-installation
Adjustable	± 15° tilt
Ambient Operating Temperature	-40 °F to 122 °F (-40 °C to 50 °C)
Surface Temperature	≤122 °F (50 °C)
Weight	14.8 lbs (6.7 kg) for 4 ft section

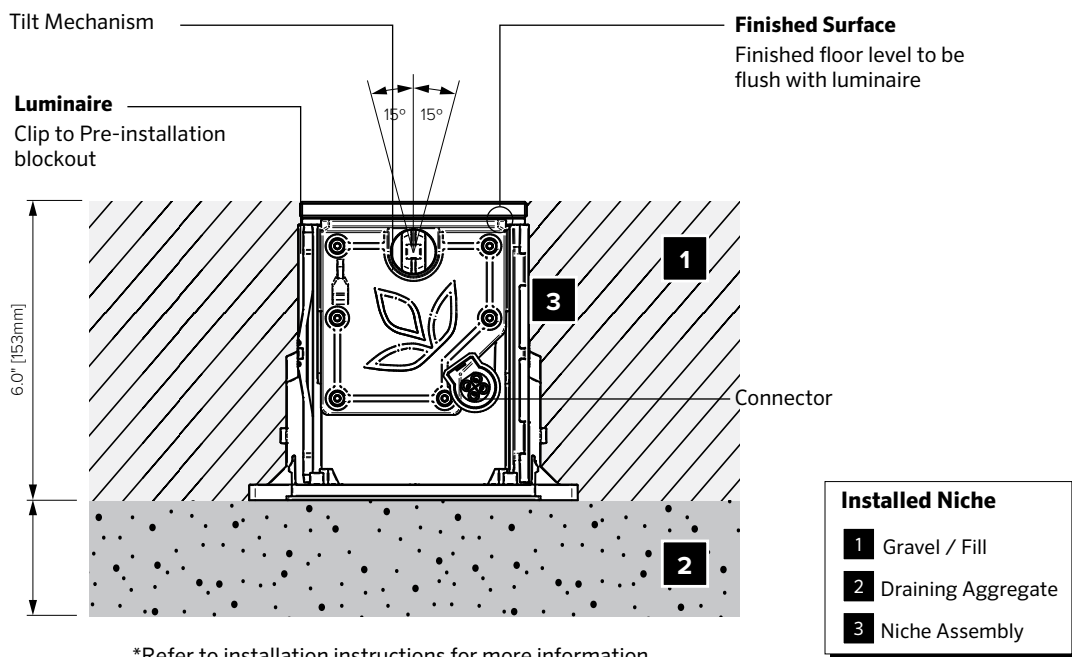
Certification & Compliance

IP Rating	IP66 / IP67 (Passes IP68 Tests)
IK Rating	IK9
Environment	Dry, Damp, Wet locations (not suitable for underwater applications)
Certifications	cULus, CE, RCM

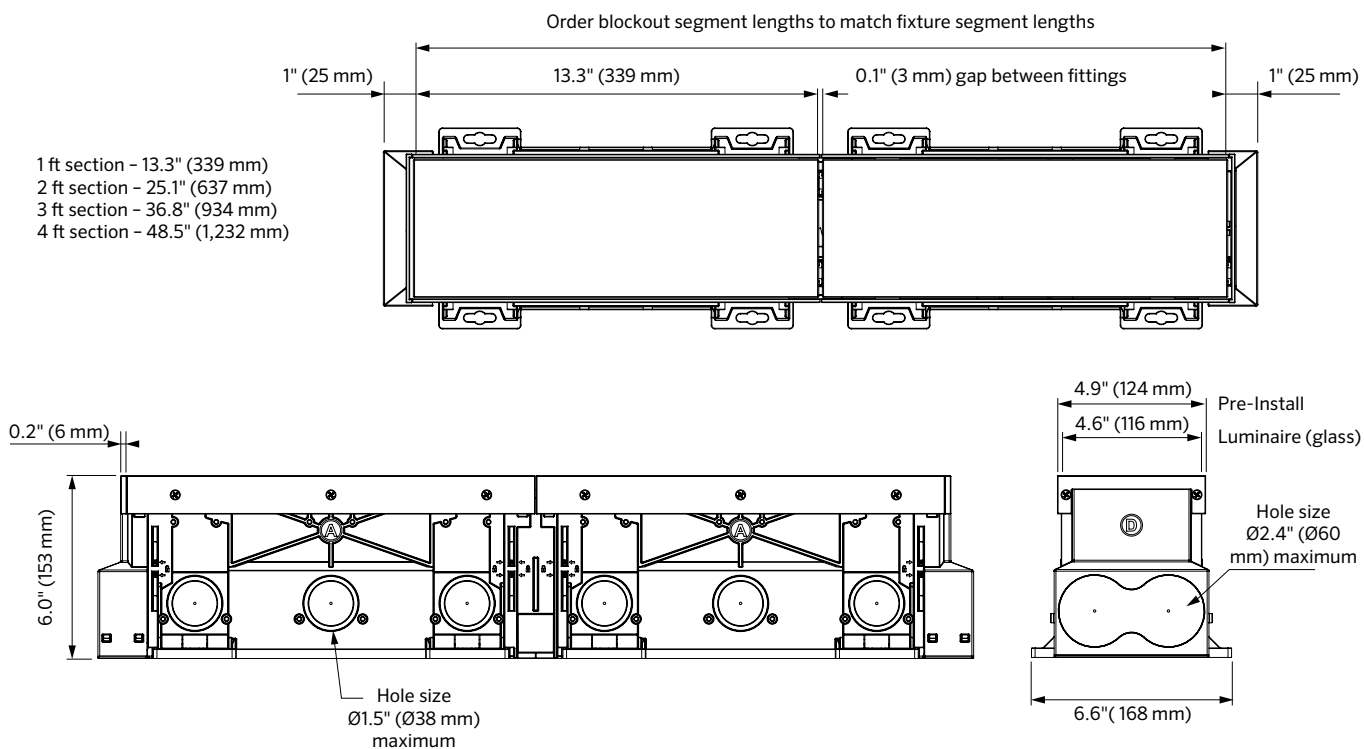
Dimensions (Without Stainless-Steel Trim)



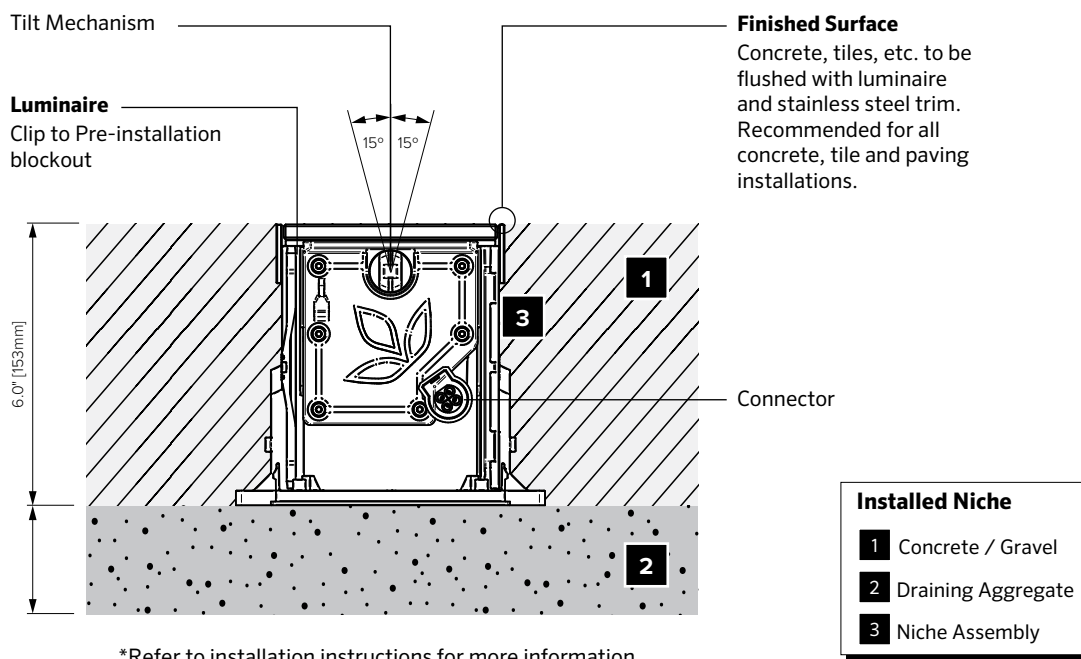
Luminaire Rotation



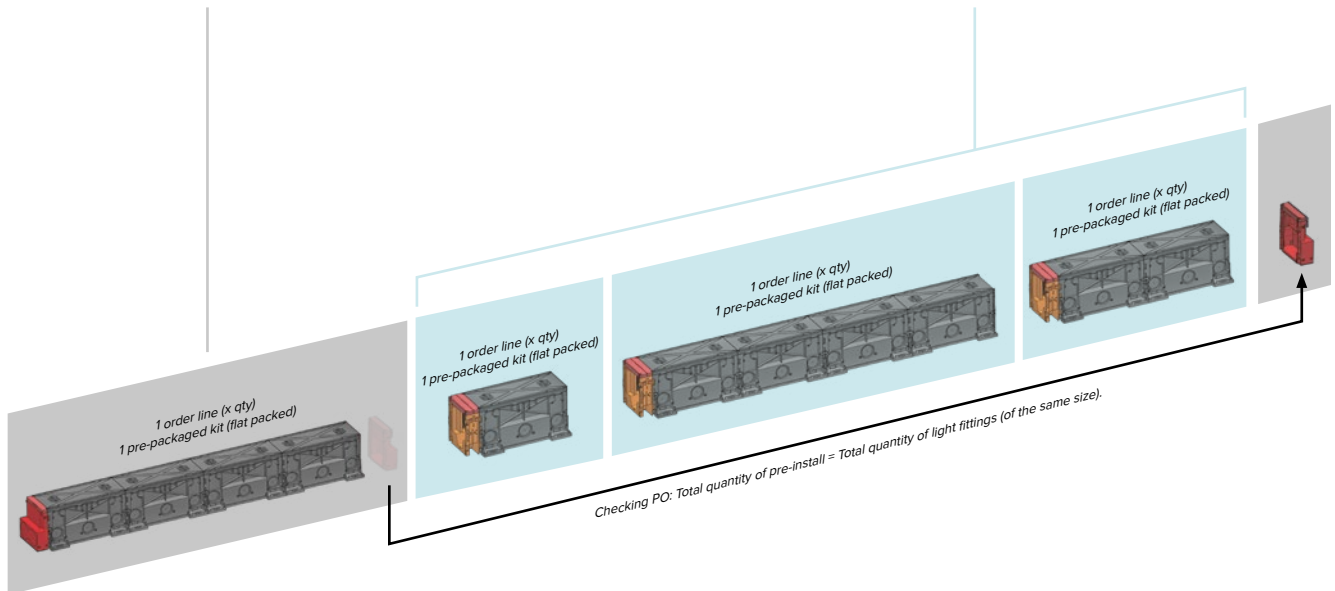
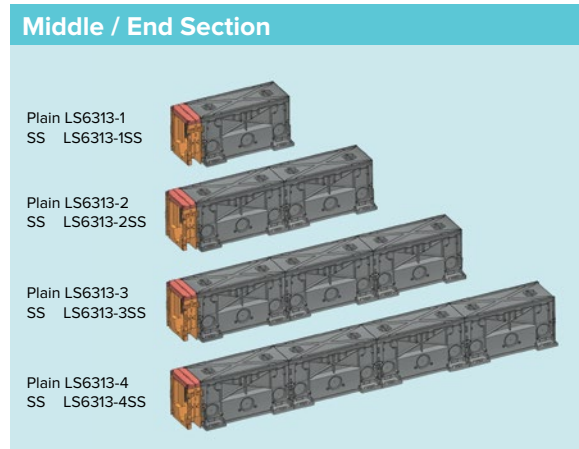
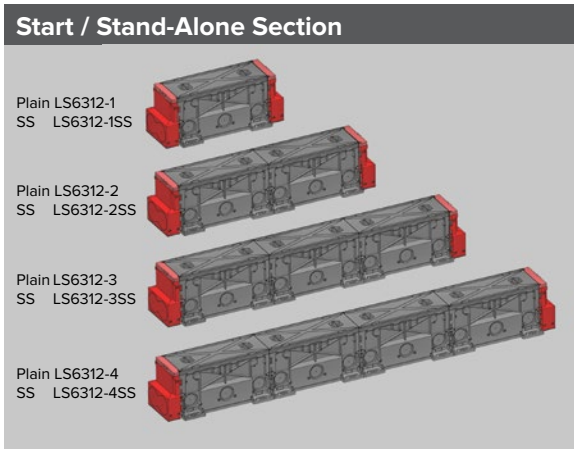
Dimensions (With Stainless-Steel Trim)



Luminaire Rotation

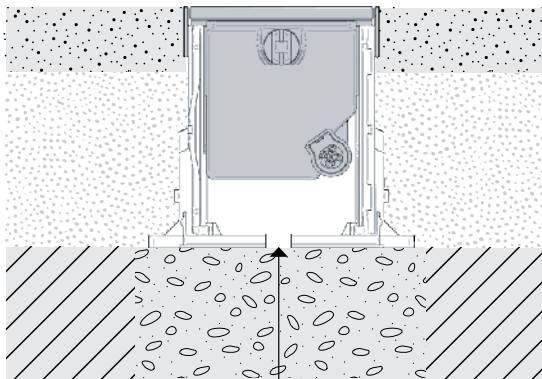


Component Overview



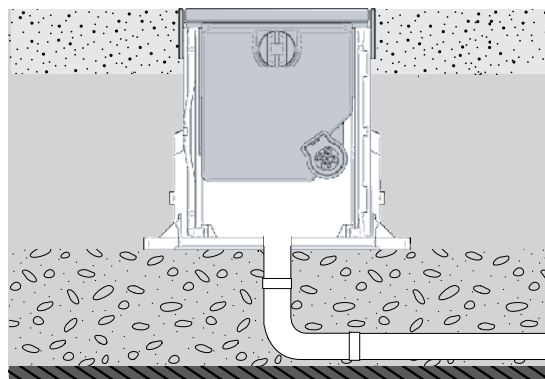
Drainage Requirements and Other Restrictions

Paver/Stonework



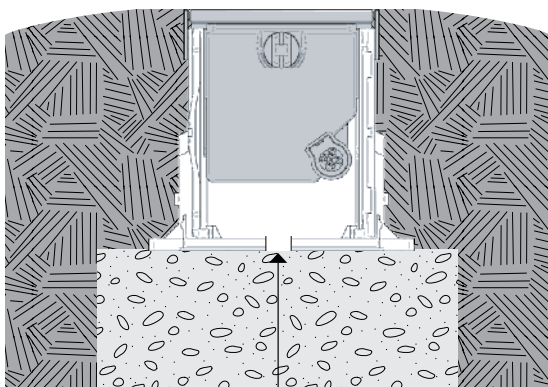
3/4" hole, minimum 1 per 4' (cut on site)

Above Waterproofing



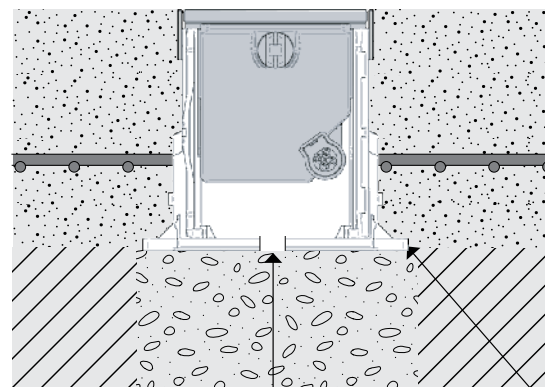
Piped draining required for locations not able to freely drain through gravel (above waterproofing, clay base, etc).

Landscape/Softscape



3/4" hole, minimum 1 per 4' (cut on site)

Concrete



3/4" hole, minimum 1 per 4' (cut on site)

Rebar Tie Points

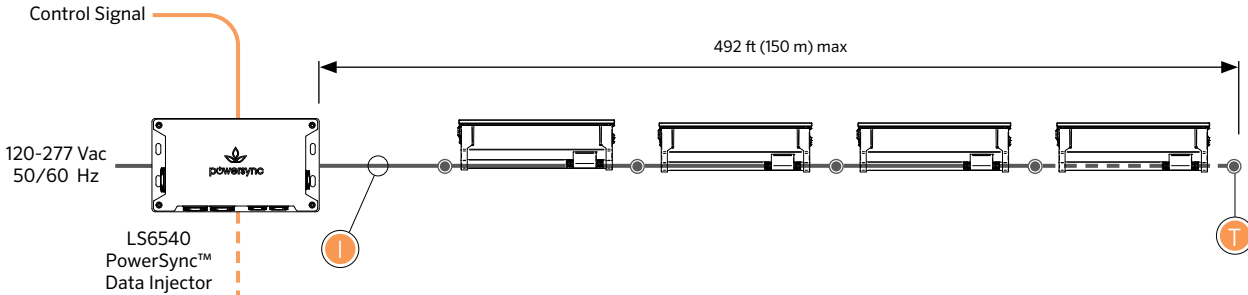
Key	
	Concrete Slab
	Pea / Drainage
	Poured Concrete
	Sand
	Soil / Earth
	Waterproofing Layer

Important Information

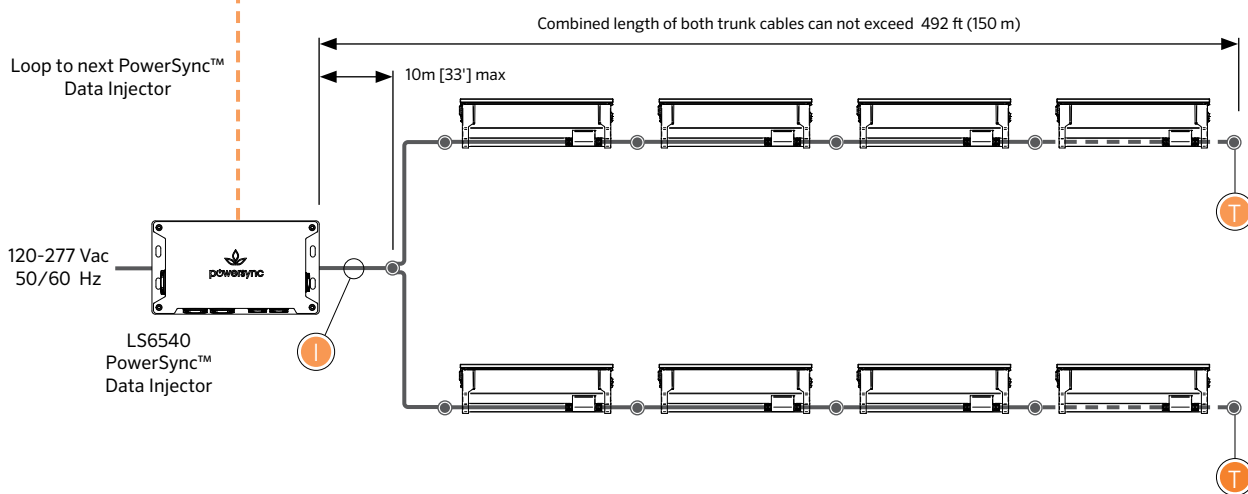
- Fill luminaire block-out with water to test drainage effects. Water must drain entirely.
- To prevent water accumulation, do not install at a location where site is hollow.
- Do not use fertilizer or corrosive chemicals adjacent to luminaire.
- Not suitable for drive-over.

Network Topology – Dimmable and Color-Changing via PowerSync™

PowerSync™ Topology 1 - Single Trunk Cable



PowerSync™ Topology 2 - Split Trunk Cable



Up to 45 luminaires per run under the following conditions:

- Max total cable run length 492 ft (150 m) in up to two trunk cables
- For run lengths in excess of 100 ft (30 m), the data wire gauge cannot exceed 14 AWG (2.5 mm²)
- For run lengths up to 100 ft (30 m), the data wire gauge is not governed
- Refer to 'Maximum Circuit Load' table for circuit limitations
- Always observe local electrical codes for branch circuit current limitations

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 Lumascape:
≤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.

Maximum Circuit Load

Maximum Number of Fixtures per Circuit		120 V		240 V		277 V	
Luminaire Length	LED Power	Maximum Current					
		12.8 A	16 A	12.8 A	16 A	12.8 A	16 A
1 ft (339 mm)	15 W	45	45	45	45	45	45
2 ft (637 mm)		45	45	45	45	45	45
3 ft (934 mm)		26	35	45	45	45	45
4 ft (1,232 mm)		20	26	40	45	45	45
1 ft (339 mm)	23 W	41	45	45	45	45	45
2 ft (637 mm)		28	38	45	45	45	45
3 ft (934 mm)		19	25	38	45	44	45
4 ft (1,232 mm)		14	19	28	38	33	44


Refer to PowerSync™ installation instructions for maximum distance information and topology options. All connectorized options in North America are limited to 12.8A branch circuit load. Above circuit loading limits are based on maximum circuit current capacity and PowerSync™ control capacity. Cumulative earth leakage and voltage drop may need to be calculated. For non-continuous runs contact factory for details. Local wiring rules and requirements may limit circuit loadings refer to relevant electrical parameters to calculate.

Connectorized Accessories

Leader Cables - PowerSync™ Line Voltage

4-core 1.5 mm² or 2.5mm² for use in CE/CCC installations. Compatible with all luminaires with Type 73 or 77 connectorized supply cable options. Supplied fitted with an IP68 connector for pairing with the first connectorized luminaire in a Powersync4, Line Voltage circuit. Comes complete with a matching End of Circuit, Powersync4, Line Voltage, Terminator Plug.

Not suitable for use in North America




Cable Type	Code	Cable Type	Code	Length	Code
1.5 mm ²	LS6402C	Non-Dimmable	ND	10' (3 m)	010
2.5 mm ²	LS6402C-2.5	PowerSync	PS	33' (10 m)	033
				50' (15 m)	050

Leader Cables - PowerSync™ Line Voltage Hook-Up Wire

4 conductors 14 AWG Hook-Up wires for use in UL installations. Compatible with Type 73 or 77 connectorized supply cable options. Supplied fitted with an IP68 connector for pairing with the first connectorized luminaire in a Powersync4, Line Voltage circuit. Comes complete with a matching End of Circuit, Powersync4, Line Voltage, Terminator Plug.

For use in North America ONLY



Cable Type	Code	Cable Type	Code	Length	Code
14 AWG 1.5 mm ²	LS6435	Non-Dimmable	ND	6' (2 m)	006
		PowerSync	PS	10' (3 m)	010
				16' (5 m)	016
				50' (15 m)	050

Connectorized Accessories

Terminator (Hardwired Installation)

Used in hardwired PowerSync™ installations.

Terminator	Code
Terminator Hardwired, Mains / Low Voltage (CCC, CE)	LS6406-01
Terminator Hardwired, Mains / Low Voltage (UL)	LS6406-09

PowerSync™ Data Injector

Combines the convenience of standard wiring methods to translate control signals into a digital format that can be transmitted over standard copper wire. This allows highly granular addressing and high-speed digital control of every luminaire, using only four wires and accepts a growing list of standard protocols (0-10V, DMX / RDM), for simple integration with a wide selection of control systems using these industry standard protocols.



Product	Code	Input Voltage	Code	Control	Code	Finish	Code
Data Injector PS4	LS6540	120-277 Vac, 50/60 Hz	09	DMX/RDM, 0-10 V Input	2D	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

¹RAL color required

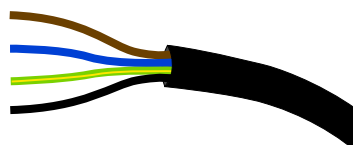
Note:

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

Fixture Colors & Wiring Designations

Mains Voltage - International Market

Designation	Color
Active	Brown
Neutral	Blue
Earth	Green / Yellow
Data	Black



Mains Voltage - North America

Designation	Color
Active	Black
Neutral	White
Earth	Green / Yellow
Data	Grey or Red

