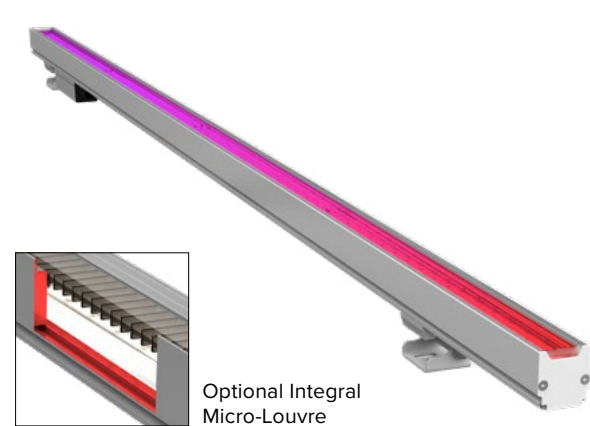


LS9010

Linealux L1 Linear Facade Gen2



At only 1" (28 mm) wide, the Generation 2, Linealux L1 mini grazer provides enormous creative lighting potential, in a very small package. Packed with features including **EasyGlow**™ visual comfort, **CoolDrive**™ thermal management and **PowerSync**™ communication technologies, PowerSync allows for highly granular digital control via DMX/RDM, with no additional wiring.

Unique and flexible designer optics allow wide end-to-end spec'ing while maintaining excellent uniformity and superb color-over-angle and bending consistency even at close grazing distances.

Available in a range of standard lengths from 1 ft (300 mm) to 5 ft (1500 mm), the Linealux L1 Generation 2 provides excellent installation flexibility. Using the Linealux L1 Generation 2 in your lighting project, imagination really is the only limit!

Performance		
Static White & Color ¹	Lumen Output (lm)	Efficacy (lm/W)
2,700 K (80 CRI)	1,620	61
3,000 K (80 CRI)	1,740	66
3,500 K (80 CRI)	1,740	66
4,000 K (80 CRI)	2,020	77
5,000 K (80 CRI)	1,880	71
Red	600	29
Green	1,390	52
Royal Blue	—	—
¹ Static white lumen output values are based on 7 W/ft, 4 ft luminaire, 20° × 80° lens.		
Dynamic Color ²	Lumen Output (lm)	Efficacy (lm/W)
RGBA	1,180	44
RGBW with Royal Blue	1,100	41
² Dynamic Color lumen output values are based on 7 W/ft, 4 ft luminaire, 20° × 80° lens.		
Tunable White ³	Lumen Output (lm)	Efficacy (lm/W)
2,700 K - 6,500 K	1,750	66
³ Tunable White lumen output values are based on 7 W/ft, 4 ft luminaire, 20° × 80° lens.		
Beam Angles	20° × 80°, 30° × 80°, 40° × 80°	



Linealux L1 Linear Facade Gen2

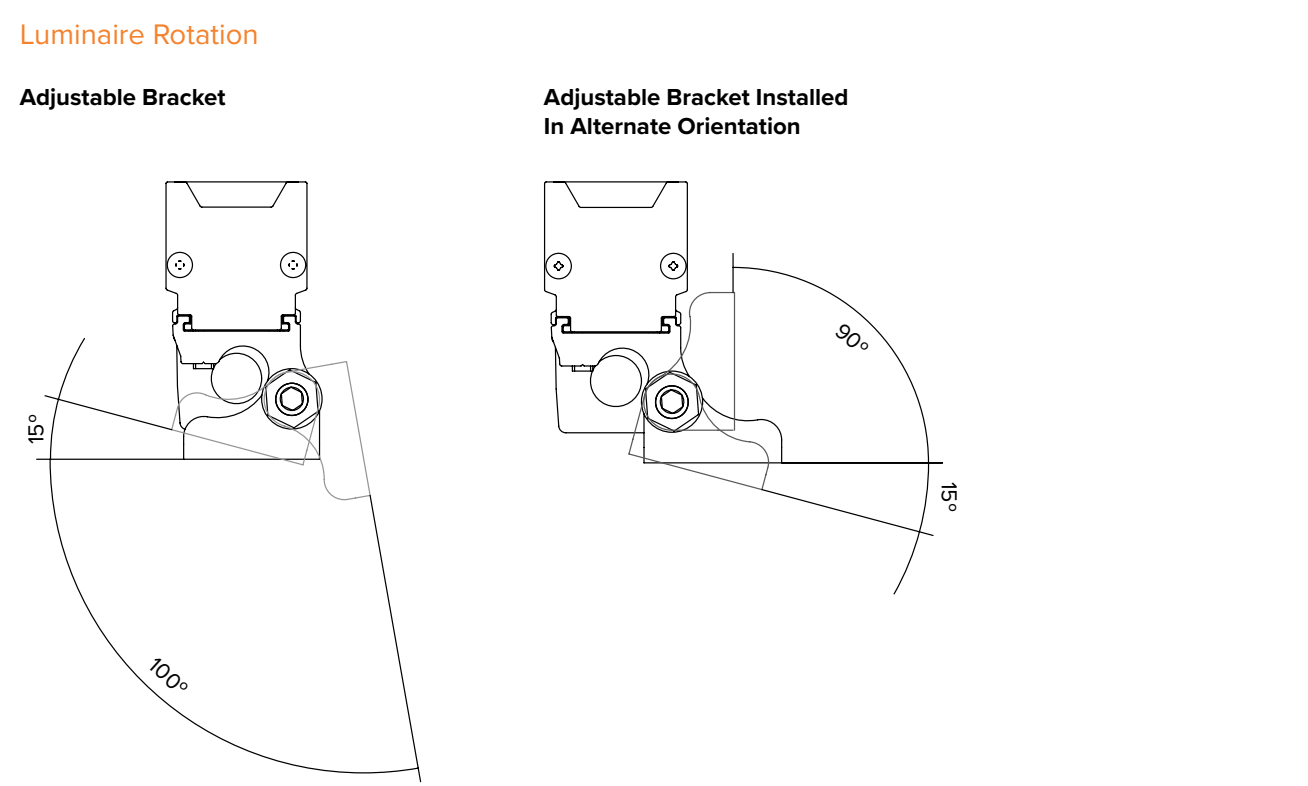
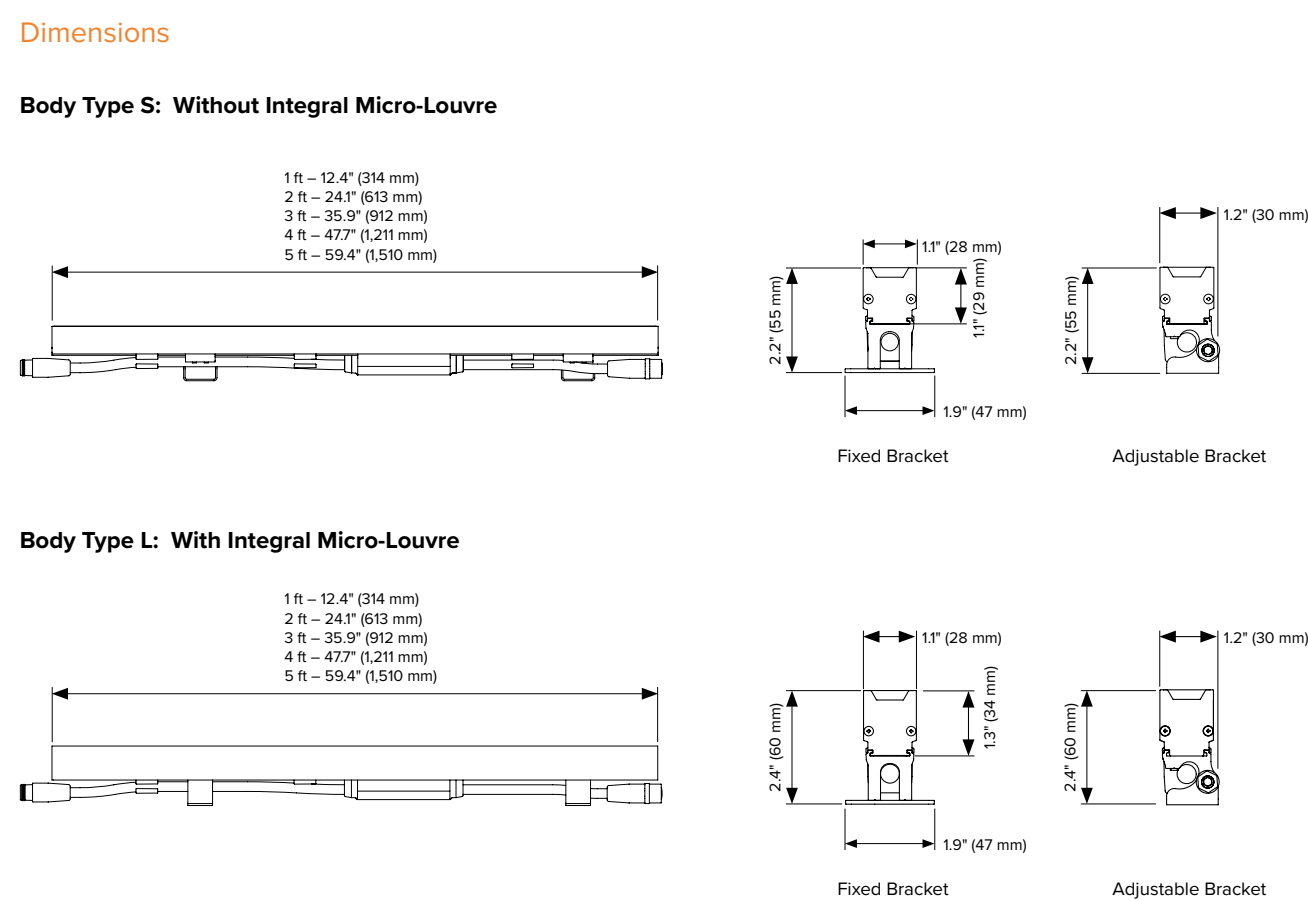
FIXTURE F6

LS9010

Electrical	
LED Power	6 W/ft, 4 W/ft
Power Consumption	7 W/ft, 5 W/ft
Lifetime (L70)	>60,000 hrs (B10, L70, TM21)
Input Voltage	Low Voltage, 30-48 Vdc
Thermal Management	CoolDrive™ onboard thermal monitoring and control
Control	
Interface	Lumascapes PowerSync™
Protocols ¹	DMX/RDM, Artnet®, 0-10 V (sink or source) ²
PWM Frequency	10 kHz flicker-free dimming to 0.1%
Control Resolution	19 mm (¾"), 75 mm (3.0"), 150 mm (6.0"), 300 mm (12.0") and full luminaire. Configurable via RDM
Systems	
Range of third-party controllers	
¹ Some protocols require additional hardware. For more information and other available protocols contact Lumascapes.	
² Not available for color-changing or tunable white.	
Physical	
Housing	Marine-grade extruded aluminum with tempered OptiClear™ glass lens
Finish	Superior 9-step powder-coating process, including marine-grade anodizing and polyester top coat
Installation	Surface-mounted
Adjustable	A range of mounting options available
Ambient Operating Temperature	-40° F to 122° F (-40° C to 50° C)
Surface Temperature	≤95° F (35° C)
Weight	3.8 lbs (1.7kg) for 4 ft section
Effective Projected Area	0.45 ft² (420 cm²) for 4 ft section
Certification & Compliance	
IP Rating	IP66 / IP67 (Passes IP68 Test)
IK Rating	IK6
Vibration Resistance	3G Rating (ANSI C136.3)
Environment	Dry, Damp, Wet locations
Certifications	ETL, CE, RCM

LS9010

Linealux L1 Linear Facade Gen2



Linealux L1 Linear Facade Gen2

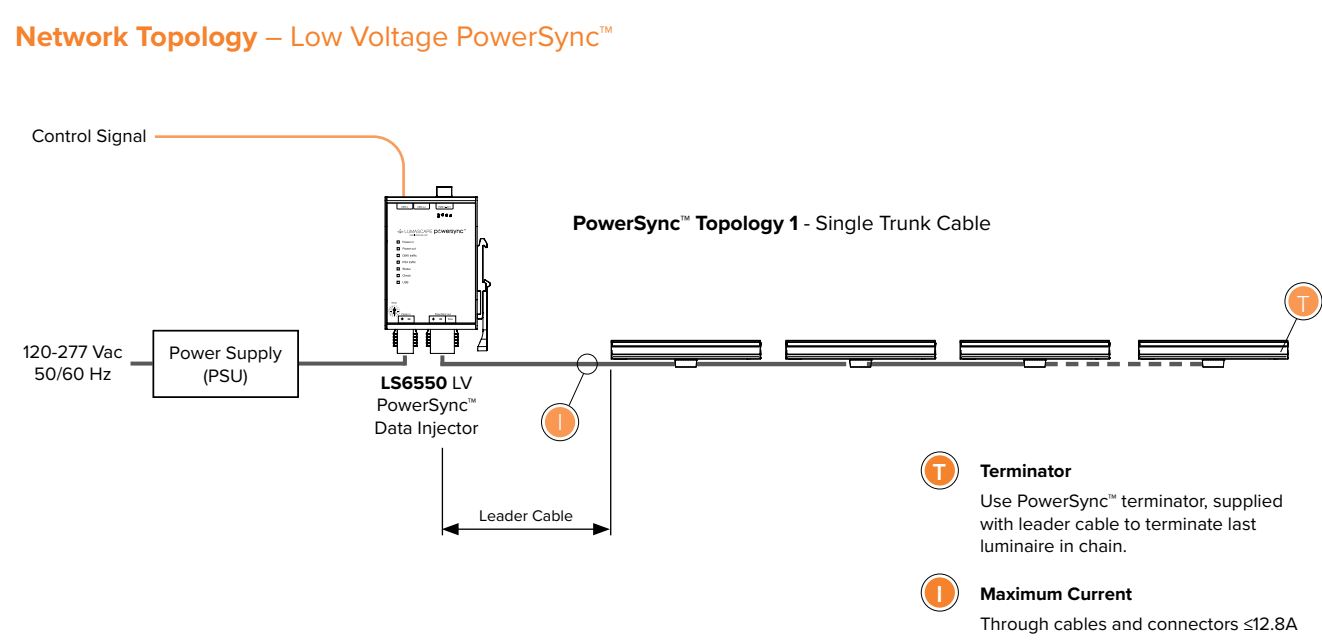
FIXTURE F6

LS9010

Specification Matrix	
LS9010	05D 4BW 63 NH 2 A 5 13 PS DB 002
Power	Code
5 W/ft	05D
7 W/ft	07D
Static White & Color	Code
2,700 K (80 CRI)	B27
3,000 K (80 CRI)	B30
3,500 K (80 CRI)	B35
4,000 K (80 CRI)	B40
5,000 K (80 CRI)	B50
Red	RED
Green	GRN
Royal Blue	RLB
Tunable White	Code
2,700 K - 6,500 K	2WT
Dynamic Colour	Code
RGBA	AJA
RGBW with Royal Blue	4BW
Connection Type	Code
Flexible entry / exit cables for connected installations	63
Input Voltage	Code
30-48 Vdc	07
30-48 Vdc	09
Control	Code
PowerSync™	PS
Non-dimming	ND
Finish	Code
Black	BL
Anthractive Grey	AG
Brass Grey	BT
Anodic Silver	SL
White	WT
Dark Bronze	DB
Late	LT
Dark Aluminum	DA
Custom RAL	CC
RAL color required	
Luminaire Gap	Code
End-to-End (ETE)	000
1 ft (303 mm) Gap	001
2 ft (606 mm) Gap	002
3 ft (909 mm) Gap	003
6 ft (1818 mm) Gap	006
Special: Minimum length for ETE connection	
Beam Angles	Code
20° × 80	NH
30° × 80	MH
40° × 80	VH
Length	Code
1 ft - 12.4" (314 mm)	1
2 ft - 24.8" (630 mm)	2
3 ft - 37.2" (945 mm)	3
4 ft - 49.6" (1260 mm)	4
5 ft - 62.0" (1575 mm)	5
Mounting	Code
Adjustable Bracket	A
Fixed Bracket	B
Body Type & Glare Control	Code
Without Louvers 1" (25 mm) Extension	S
With Louvers 1" (25 mm) Extension	L

LS9010

Linealux L1 Linear Facade Gen2

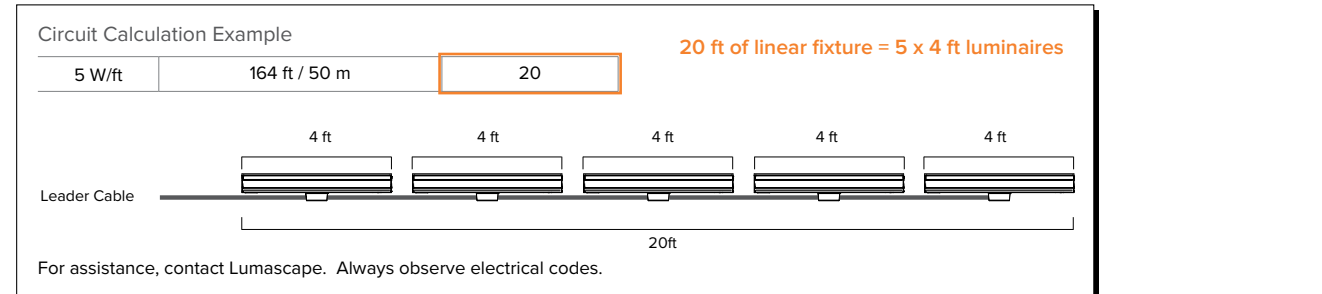


Maximum Circuit Loading - Single Run	
Power	Max Leader Cable Length from LS6550 to first fitting
5 W/ft	120 W
	240 W
	320 W
7 W/ft	480 W
	600 W
	600 W

Values in the above table show the maximum circuit loading per 48 V circuit. Values are based on end-to-end wiring (ETE). Extended leader cable, inclusion of a jumper cable, or longer leader cable will affect loading. Circuit can be made up of up to 24 fixtures in any length, up to the maximum circuit loading in the table above. Circuit is limited to maximum 100 ft.

For more information, visit lumascapes.com for details.

To calculate the maximum number of interconnected luminaires per run / circuit, see example below.



Control Resolution															
DMX Channel Allocation															
Pixel Size	RGB / RGBW					Single Colour					Tunable White				
	1ft	2ft	3ft	4ft	5ft	1ft	2ft	3ft	4ft	5ft	1ft	2ft	3ft	4ft	5ft
Full Fixture	4	4	4	4	4	1	1	1	1	1	2	2	2	2	2
12.0" / 300 mm	4	8	12	16	20	1	2	3	4	5	2	4	6	8	10
6.0" / 150 mm	8	16	24	32	40	2	4	6	8	10	4	8	12	16	20
3.0" / 75 mm	16	32	48	64	80	4	8	12	16	20	8	16	24	32	40
1.5" / 38 mm	32	64	96	128	160	8	16	24	32	40	16	32	48	64	80

Data channels required when installing optional Advanced Control Modes.

Standard dimming frequencies: 10 kHz. Frequency range: 10 kHz to 100 kHz.

* Variable Dimming Frequencies * Standard Mode: requires 3 data channels per luminaire.

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Linealux L1 Linear Facade Gen2

PowerSync™ Connectorized Accessories	
Leader Cables - PowerSync™ Extra Low Voltage (For Connection Type 63)	
3-core 16 AWG / 1.5mm² for use in CE/CCC and UL installations. Compatible with all luminaires with Type 63 connectorized supply cable option. Supplied fitted with an IP68 connector for joining with the first connectorized luminaire in a Powersync™ 4, Low Voltage circuit. Comes complete with a matching End of Circuit, Powersync™ 4, extra low voltage terminator plug.	
Cable Type	Code
1.5 mm²	L56426
Length	Code
10 ft (3 m)	010
16 ft (5 m)	016
50 ft (15 m)	050
66 ft (20 m)	066
98 ft (30 m)	098

Jumper Cables - PowerSync™ Extra Low Voltage (For Connection Type 63)	
3-core 16 AWG / 1.5 mm² for use in CE/CCC and UL installations. Compatible with all luminaires with Type 63 connectorized supply cable option. Supplied fitted with IP68 connectors for joining between connectorized luminaires in a Powersync™ 4, extra low voltage circuit.	
Cable Type	Code
1.5 mm²	L56427
Length	Code
1 ft (0.3 m)	001
2 ft (0.6 m)	002
3 ft (0.9 m)	003
6 ft (1.8 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

LS9010

Linealux L1 Linear Facade Gen2

PowerSync™ Connectorized Accessories	
Terminator (Hardware Installation)	
Used in hardwired PowerSync™ installations.	
Terminator	Code
PowerSync™ Terminator Connectorized, Extra Low Voltage (CCC, CE, UL)	L56437
NOTE: Terminator ships with every LS6550. Order separately for spare parts only.	
PowerSync™ Low Voltage 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 DMX 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.	
Product	Code
LV Data Injector P54	L56550
Wire Colours & Designations	
Low Voltage	
Designation	Color
+ DC	Red
- DC	Black
Data	Orange

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Tel 303.421.6655

Date	Description
2021.09.24	DEVELOPMENT PLAN MINOR MODIFICATION

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
BP3 GOLDWALK PERMIT AND CONSTRUCTION

Project Number
003.7835.000

DW Project Number
6466

Description
BP3: GOLDWALK - ISSUE FOR BID AND PERMIT

SITE LIGHTING CUTSHEETS