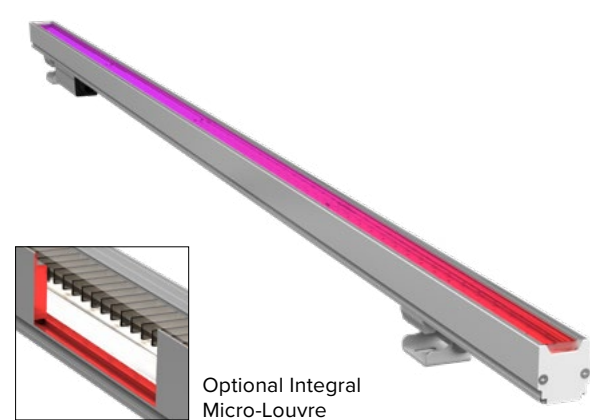


LS9010

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 <sup>1</sup>	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	—	—
<sup>1</sup> Static white lumen output values are based on 7 W/ft, 4 ft luminaire, 20° × 80° lens.		
Dynamic Color <sup>2</sup>	Lumen Output (lm)	Efficacy (lm/W)
RGBA	1,180	44
RGBW with Royal Blue	1,100	41
<sup>2</sup> Dynamic Color lumen output values are based on 7 W/ft, 4 ft luminaire, 20° × 80° lens.		
Tunable White <sup>3</sup>	Lumen Output (lm)	Efficacy (lm/W)
2,700 K - 6,500 K	1,750	66
<sup>3</sup> 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

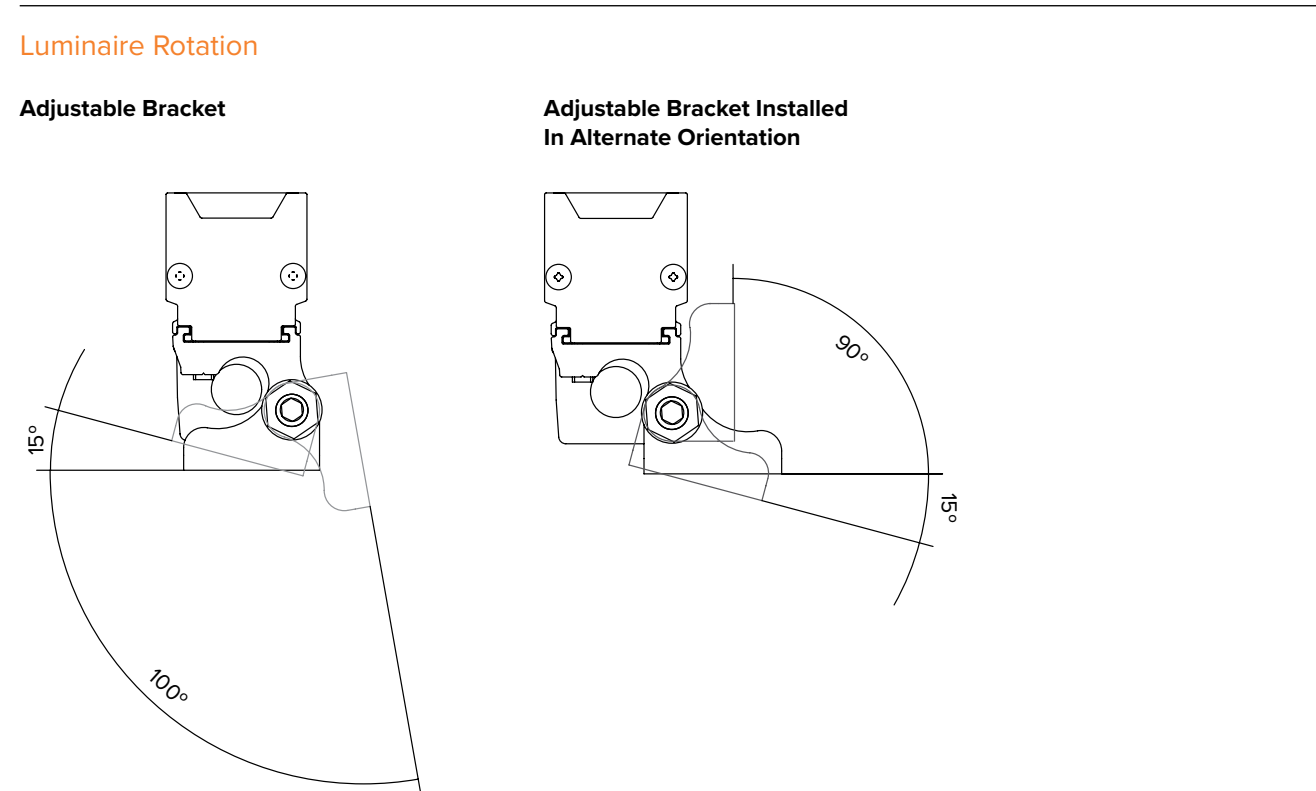
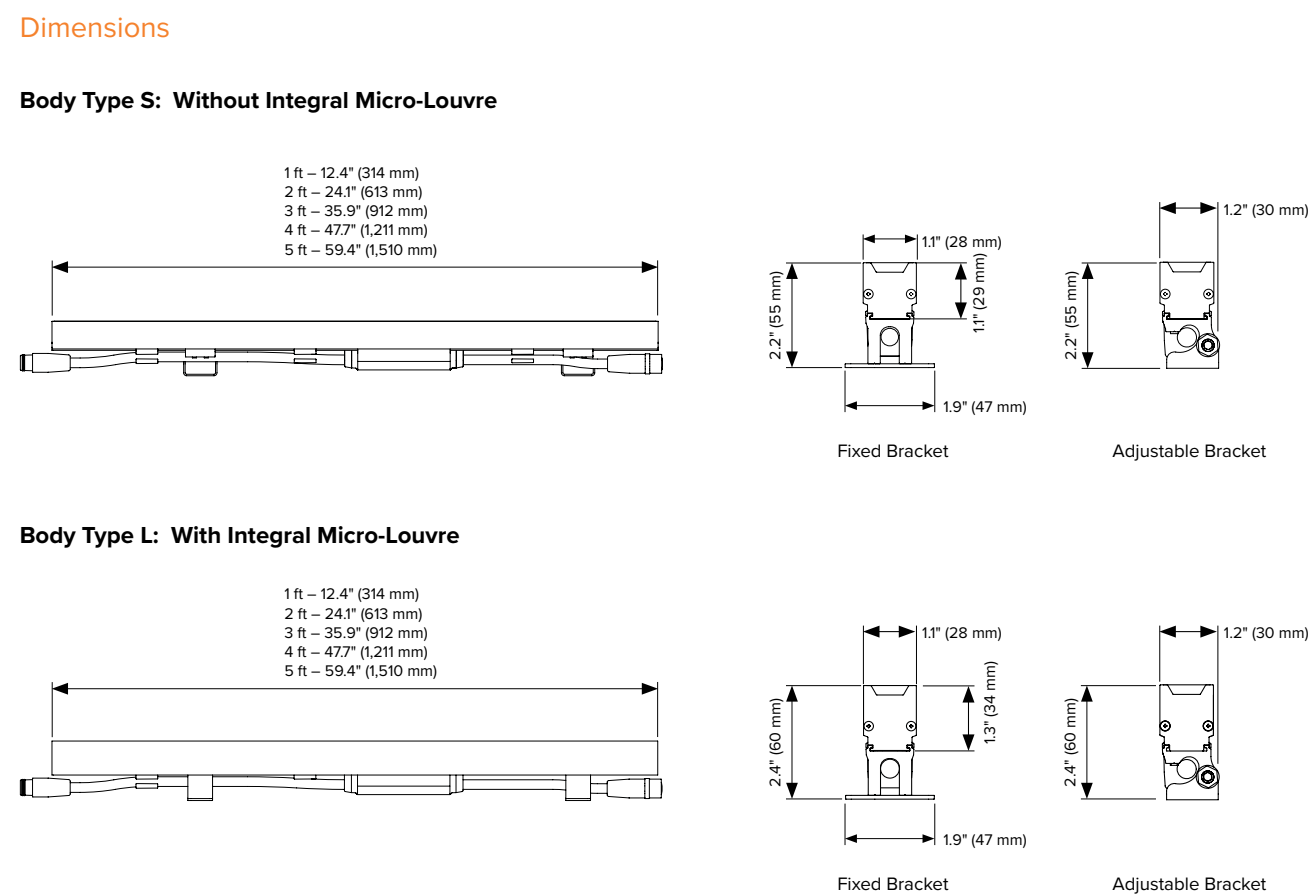
LS9010

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	Lumascap PowerSync™
Protocols <sup>1</sup>	DMX/RDM, Artnet®, 0-10 V (sink or source) <sup>2</sup>
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	
<sup>1</sup> Some protocols require additional hardware. For more information and other available protocols contact Lumascope.	
<sup>2</sup> 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

FIXTURE F6



Linealux L1 Linear Facade Gen2

FIXTURE F6

LS9010

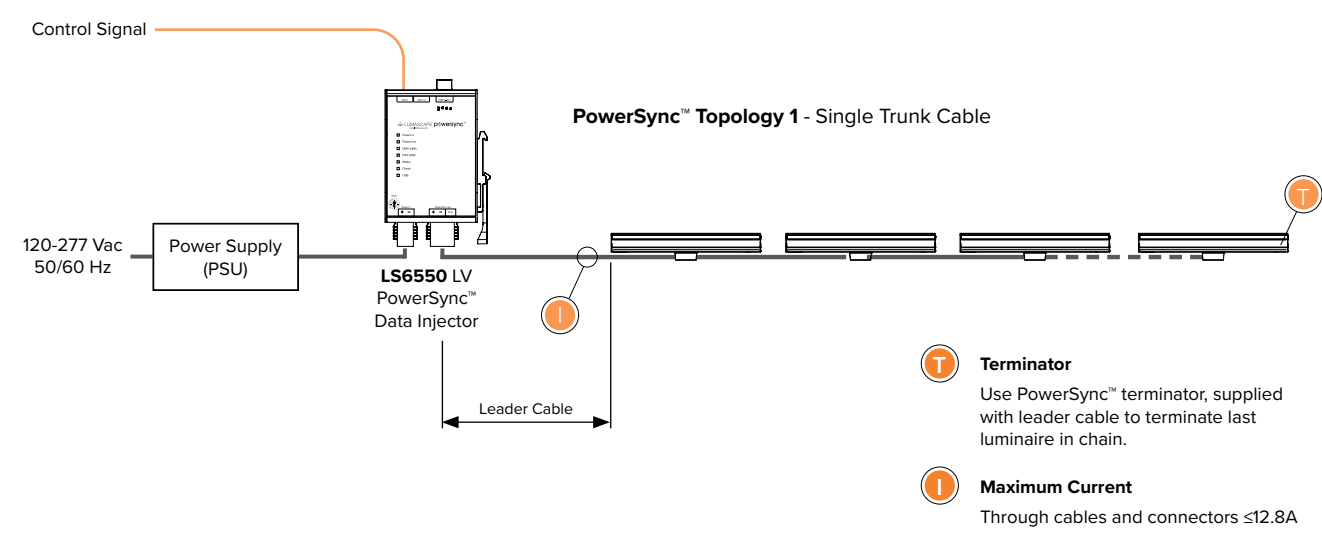
Specification Matrix	
LS9010	05D 4BW 63 NH 2 A 5 13 PS DB 002
Power	Code
5 W/ft	05D
7 W/ft	07D
Static White & Color	Code
2,700 K (80 CRI)	B27
3,000 K (80 CRI)	B30
3,500 K (80 CRI)	B35
4,000 K (80 CRI)	B40
5,000 K (80 CRI)	B50
Red	RED
Green	GRN
Royal Blue	RLB
Tunable White	Code
2,700 K - 6,500 K	2WT
Dynamic 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	19 <sup>1</sup>
Control	Code
PowerSync™	PS <sup>2</sup>
Non-dimming	ND <sup>3</sup>
Finish	Code
Black	BL
Anthrax Grey	AG
Brass Grey	BT
Anodic Silver	SL
White	WT
Dark Bronze	DB
Late	LT
Dark Aluminum	DA
Custom RAL	CC <sup>4</sup>
Luminaire Gap	Code
End-to-End (ETE)	000
1 ft (303 mm) Gap	001
2 ft (606 mm) Gap	002
3 ft (914 mm) Gap	003
6 ft (1828 mm) Gap	006
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 & Glass Control	Code
Without Louvers 1" (25 mm) Extension	S
With Louvers 1" (25 mm) Extension	L

LS9010

Linealux L1 Linear Facade Gen2

FIXTURE F6

Network Topology – Low Voltage PowerSync™

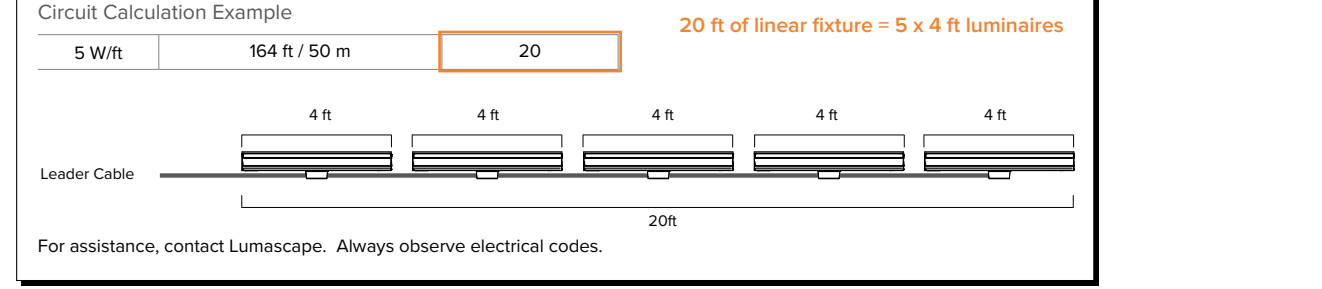


Maximum Circuit Loading – Single Run	
Power	Max Leader Cable Length from PS5650 to first fitting
5 W/ft	120 W
	240 W
	480 W
7 W/ft	160 W
	320 W
	640 W

Values in the above table show the maximum circuit loading per 48 ft circuit. Values are based on end-to-end wiring (ETO) connected leader cable, inclusion of a jumper cable, or longer leader cable with effect 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 on circuit loading, please refer to the datasheet.

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



Control Resolution		DMX Channel Allocation														
		RGBX / RGBW					Single Colour					Tunable White				
Pixel Size		1 ft	2 ft	3 ft	4 ft	5 ft	1 ft	2 ft	3 ft	4 ft	5 ft	1 ft	2 ft	3 ft	4 ft	5 ft
Full Fixture		4	4	4	4	4	1	1	1	1	1	2	2	2	2	2
12.0" / 300 mm		4	4	4	4	4	1	1	1	1	1	2	2	2	2	2
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		64	128	192	256	320	16	32	48	64	80	32	64	96	128	160

DMX channels required when installing additional Add-on DMX Control Modules:

- \* 1 ft = 1 DMX channel
- \* 2 ft = 2 DMX channels
- \* 3 ft = 3 DMX channels
- \* 4 ft = 4 DMX channels
- \* 5 ft = 5 DMX channels
- \* Tunable DMX requires 1 DMX channel
- \* Single Module requires 3 extra channels per beamline

LS9010

Linealux L1 Linear Facade Gen2

FIXTURE F6

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	Length
LS6426	10 ft (3 m)
LS6427	16 ft (5 m)
LS6428	50 ft (15 m)
LS6429	66 ft (20 m)
LS6430	98 ft (30 m)

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	Length
LS6427	1 ft (0.3 m)
LS6428	2 ft (0.6 m)
LS6429	3 ft (0.9 m)
LS6430	5 ft (1.5 m)
LS6431	6 ft (1.8 m)
LS6432	10 ft (3.0 m)
LS6433	16 ft (5.0 m)
LS6434	33 ft (10 m)
LS6435	50 ft (15 m)
LS6436	66 ft (20 m)
LS6437	98 ft (30 m)

LS9010

Linealux L1 Linear Facade Gen2

FIXTURE F6

PowerSync™ Connectorized Accessories

Terminator	
PowerSync™ Terminator Connectorized, Extra Low Voltage (CCC, CE, UL)	LS6437

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.



Wire Colours & Designations	
Low Voltage	
Designation	Color
+ DC	Red
- DC	Black
Data	Orange

Gensler

1225 17th Street  
Suite 150  
Denver, CO 80202  
United States

Tel 303.595.8585  
Fax 303.825.6823

LANDMARK

141 9th Street  
PO Box 774943  
Steamboat Springs, CO 80477  
Tel 970.871.9494

DESIGNWORKSHOP

1390 Lawrence Street  
Suite 100  
Denver, CO 80204  
Tel 303.623.5186

me engineers

14143 Denver West Pkwy  
Suite 300  
Golden, CO 80601  
United States  
Tel 303.421.6655

Date	Description
2021.09.24	DEVELOPMENT PLAN MINOR MODIFICATION
2021.10.13	DEVELOPMENT PLAN MAJOR MODIFICATION
2021.11.02	SIGN PERMIT

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