



Date: _____ Type: _____

Firm Name: _____

Project: _____

iColor Flex LMX gen2

Flexible strands of large high-intensity LED nodes with intelligent color light

iColor Flex LMX are flexible strands of 50 large, individually addressable, full-color LED nodes designed for extraordinary effects and expansive installations. The flexible form factor accommodates two- and three-dimensional configurations, while high light output affords superior long-distance viewing for architectural perimeter lighting, large-scale signage, and building-covering video displays.

- Daylight visible — Each node produces full-color light output of up to 11 candela and 17,000 nits.
- Multiple lens options — Standard clear flat and translucent dome lenses. Optional marquee lenses snap onto flat-lens nodes

to create the appearance of bulbs on a traditional theatre marquee.

- Adaptable mounting — Strands can be mounted directly to a surface. Optional mounting tracks ensure straight linear runs. Snap-on spacers hide cabling and mounting hardware between nodes. Single node mounts provide anchor points for installations with uneven node spacing or complex geometries.
- Outdoor rated — Fully sealed and IP66-rated for outdoor applications.

For detailed product information, please refer to the iColor Flex LMX gen2 Product Guide at www.philipscolorkinetics.com/ls/rgb/flexlmx/

Specifications Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Clear Flat Lens	Translucent Dome Lens
Output	Lumens Per Node*	30	13
	On-Axis Candela Per Node	11.0	2.2
	Luminance Per Node	17,004 cd / m ²	3,450 cd / m ²
	Viewing Angle	105°	165°
	Lumen Maintenance†	60,000 hours L70 @ 50° C 60,000 hours L70 @ 25° C 60,000 hours L50 @ 50° C 60,000 hours L50 @ 25° C	
Electrical	LED Channels	Red / Green / Blue	
	Input Voltage	24 VDC via sPDS-480ca, PDS-60ca, and sPDS-60ca	
Control	Power Consumption	1 W max. per node at full output, steady state	
	Interface	sPDS-60ca 24V (DMX / Ethernet) PDS-60ca 24V (Pre-programmed, DMX, or Ethernet) PDS-480ca 24V (Ethernet)	
Physical	Control System	Philips full range of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, or third-party controllers	
	Node Dimensions (Height x Width x Depth)	1.2 x 1.25 x .67 in (31 x 32 x 17 mm)	1.2 x 1.25 x 1 in (31 x 32 x 25 mm)
	Weight	2.2 lb (1 kg) 50-node strand, 4 in on-center node spacing	
	Housing	White or black polycarbonate	
	Lens	Clear or translucent plastic	
	Fixture Connections	Integrated watertight 3-pin connector	
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating ≥ 32° F (≥ 0° C) Handling -4° – 122° F (-20° – 50° C) Startup -22° – 185° F (-30° – 85° C) Storage	
	Humidity	0 – 95%, non-condensing	
Certification and Safety	Maximum Fixtures Per Power / Data Supply	sPDS-480ca 24V: 8 strands sPDS-60ca 24V: 1 strand PDS-60ca 24V : 1 strand	
	Certification	UL / cUL, FCC Class A, CE	
	Environment	Dry / Damp / Wet Location, IP66	

* Lumen measurement complies with IES LM-79-08 testing procedures.

† L70 = 70% lumen maintenance (when light output drops below 70% of initial output). L50 = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.



PHILIPS

Fixtures and Power / Data Supplies

Item	Type	Item Number	Philips 12NC
iColor Flex LMX gen2 4 in on-center node spacing	Clear Flat Lens	White	101-000077-02 912400130024
		Black	101-000077-00 910503705491
	Translucent Dome Lens	White	101-000077-06 912400130028
		Black	101-000077-04 912400130026
iColor Flex LMX gen2 12 in on-center node spacing	Clear Flat Lens	White	101-000077-03 912400130025
		Black	101-000077-01 912400130023
	Translucent Dome Lens	White	101-000077-07 912400130029
		Black	101-000077-05 912400130027

Leader Cable	25 ft (7.6 m)	Black	108-000045-00	910503700696
	50 ft (15.2 m)	Black	108-000045-01	910503700697
	100 ft (30.5 m)	Black	108-000045-02	910503700698

Mounting Track Qty 1	4 ft (1.2 m)	White	101-000057-00	910503700044
		Black	101-000057-01	910503700045

Spacers Qty 50	4 in (102 mm)	White	101-000059-00	910503700048
		Black	101-000061-00	910503700052
	12 in (305 mm)	White	101-000059-01	910503700049
		Black	101-000061-01	910503700053

Single-Node Mounts Qty 50		White	101-000058-00	910503700046
		Black	101-000058-01	910503700047

sPDS-480ca 24V	Ethernet	109-000026-00	910503700110
PDS-60ca 24V	Pre-programmed	109-000016-00	910503700095
	DMX	109-000016-01	910503700333
sPDS-60ca 24V	Ethernet	109-000016-02	910503700334
	DMX / Ethernet	109-000021-02	910503700106

Use Item Number when ordering in North America.

Accessories

Item	Type	Item Number	Philips 12NC
Marquee Lens Kits Qty 50	Clear	White	999-007997-00 910503702308
		Black	999-007997-01 910503702309
	Semi-Frosted	White	999-007997-04 910503702312
		Black	999-007997-05 910503702313
	Translucent	White	999-007997-02 910503702310
		Black	999-007997-03 910503702311

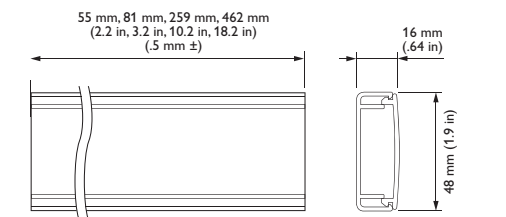
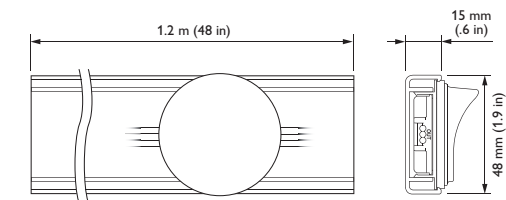
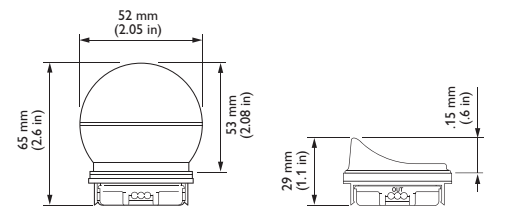
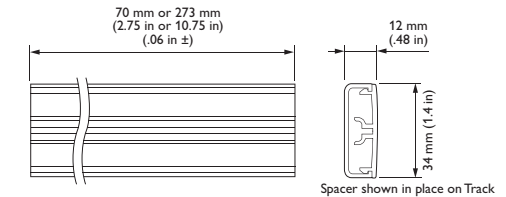
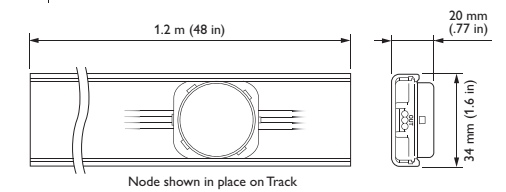
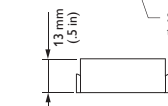
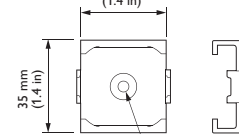
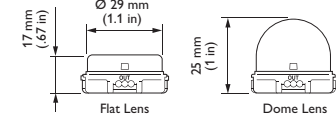
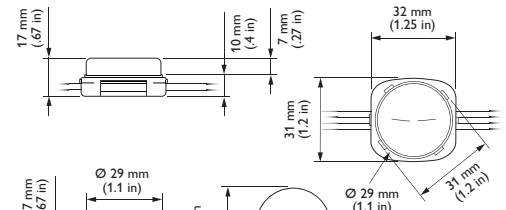
Glare Shield Kits Qty 50		Black	120-000179-00	912400130036
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Accessory Mounting Track Qty 1	4 ft (1.2 m)	White	101-000057-03	910503704266
		Black	101-000057-04	910503704267

Accessory Spacers Qty 50	4 in (102 mm)	White	101-000075-00	910503704272
		Black	101-000075-02	910503704274
	12 in (305 mm)	White	101-000075-01	910503704273
		Black	101-000075-03	910503704275

Use Item Number when ordering in North America.

Dimensions



Spacer shown in place on Track



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