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Firm Name:

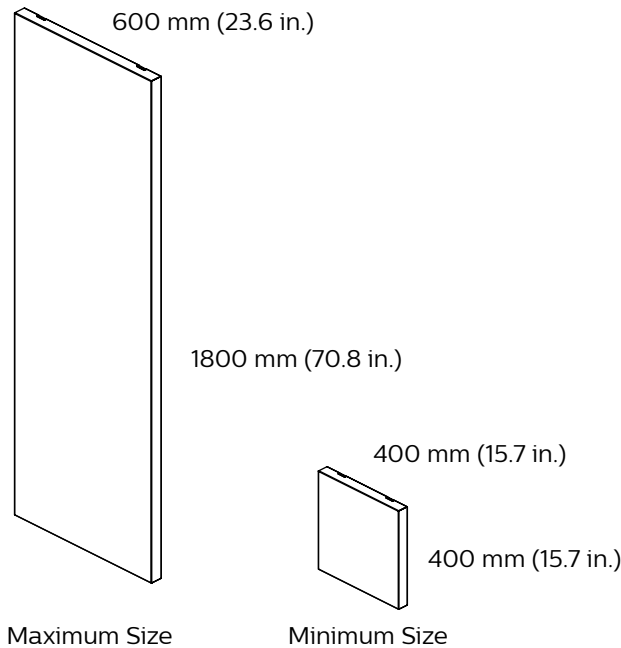
Project:

Product Description

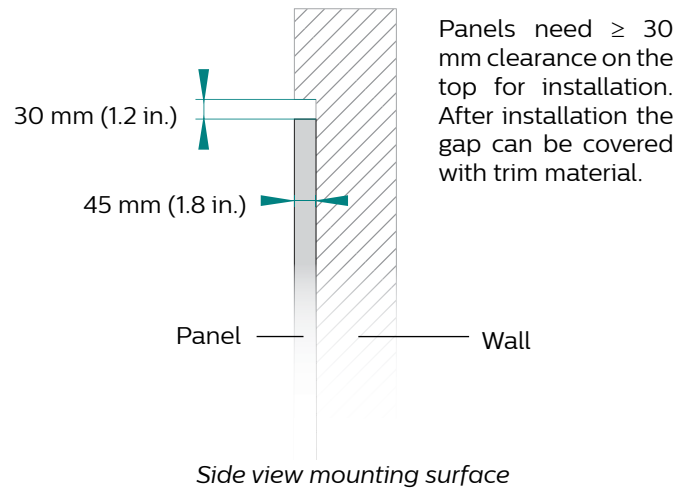
Philips Luminous Patterns panels are custom designed and build to order sheet metal wall/ceiling panels that integrate patterns of LED light. Philips Luminous Patterns panels can be specified in one of four different light effects: Round Sparkling, Linear Sparkling or 2D/3D Graphics. Round Sparkling and Linear Sparkling light styles cannot be combined with other light effects in one panel. Empty Philips Luminous Patterns panels are available. Philips Luminous Patterns panels are available in various Akzonobel powder coat finishes or 3M DI-NOC/Greenfilm foils, of which various finishes can be overlaid with printed graphics.



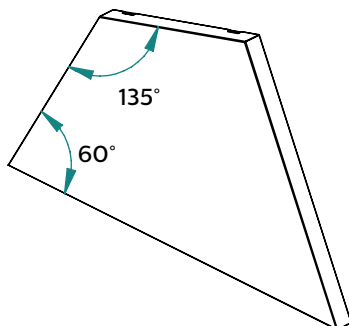
Dimensions



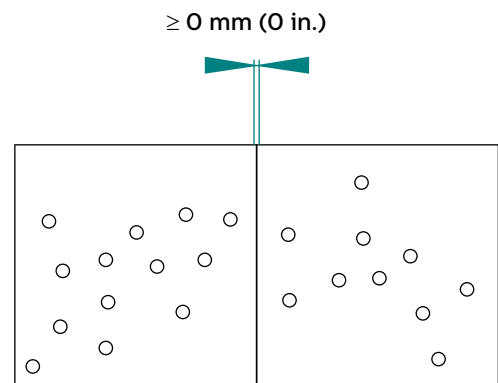
Mounting Details



Shapes



All quadrangular shapes with a minimum corner angle of 60° and a maximum corner angle of 135°



Panels are individually mounted with panel gaps of 0 mm or more

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Specification Table

Item	Specification	Details
Electrical	Input Voltage	7.5 VDC or 24 VDC via sPDS-480ca, and PDS-60ca depending on light style
Control	Interface	sPDS-480ca 7.5V (Ethernet) PDS-60ca 7.5V (Pre-programmed or DMX / Ethernet)
	Control System	Philips full range of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, or third-party controllers
Physical	Panel Length & Height Dimensions	Min. 400 mm x 400 mm (15.75 in. x 15.75 in.) Max. 1800 mm x 600 mm (70.87 in. x 23.62 in.)
	Panel Corner Angles	Min. panel corner angle 60° Max. panel corner angle 135°
	Panel Thickness	45 mm (1.77 in.)
	Panel Material	0.8 mm steel
	Finish options	Akzonobel Interpon Metallic D1036 Matt Collection (+ UV printing*) Akzonobel Interpon D2525 Collection Anodic (+ UV printing*) Akzonobel Interpon Collection Futura 2014-2017 (+ UV printing*) Akzonobel Interpon D1036 RAL Color Collection (+ UV printing*) 3M DI-NOC Architectural Foils (+ UV printing*) 3M IJ3545C GreenFilm (PVC free) + 3M 8909 Green Overlamine + printing
	Mounting Surface Material	Wood; when mounting panels on other materials a wooden frame should be mounted
	Mounting Type	Surface mounted, recessed on walls & ceilings
	Humidity	0 - 95%, non-condensing
	Temperature Ranges	15° - 40° C (59° - 104 F) Operating -20° C - 50° C (-4° - 122 F) Storage
	Weight Empty Panel (No Electronics Inside)	400 mm x 400 mm 15.75 in. x 15.75 in. 2.9 kg (6.4 lbs) 600 mm x 1800 mm 70.87 in. x 23.62 in. 14.4 kg (31.7 lbs)
Certification and Safety	Certification	CE, (UL / cUL & FCC pending)
	Environment	Dry indoor location IP40
Legal	Warranty	5 Years

* UV printing available on a range of finishes

Ordering Information

Every installation is designed and build to order. To order a Luminous Patterns installation please contact us at:

luminouspatterns@philips.com



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<http://www.luminouspatterns.com/>

Luminous Patterns – Round Sparkling

Specification Sheet - English

Date:
Firm Name:
Project:

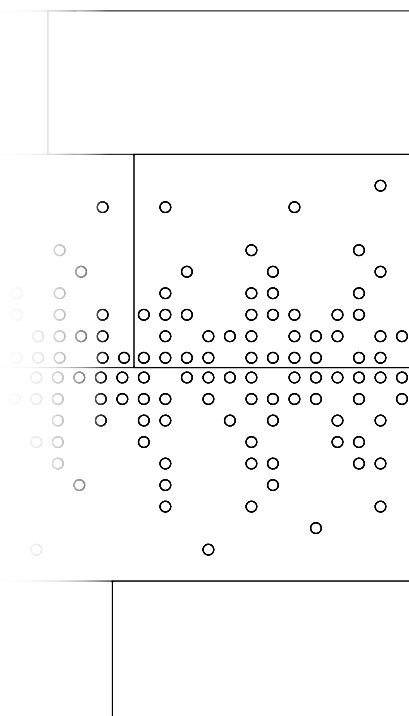
Light Style Description

Philips Luminous Patterns Round Sparkling is a custom $\text{Ø}30$ mm (1.2 in.) light node that creates a sparkling effect similar to a votive candle. Each Round Sparkling light node houses a individually addressable single LED, available in 2200k warm white or color changing RGB. Custom color temperatures are available on request.

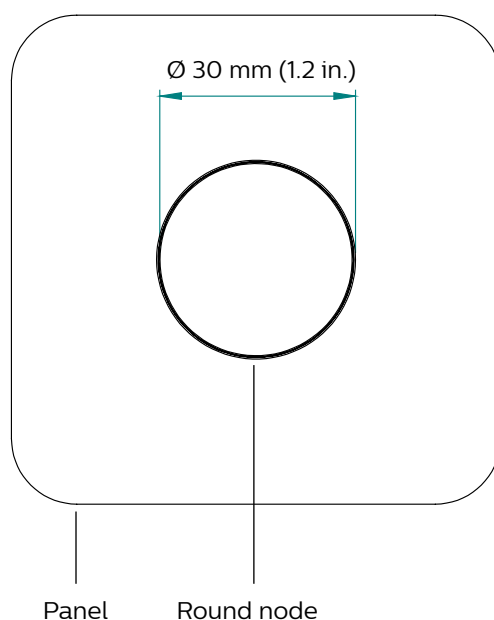


Dimensions

Typical Installation

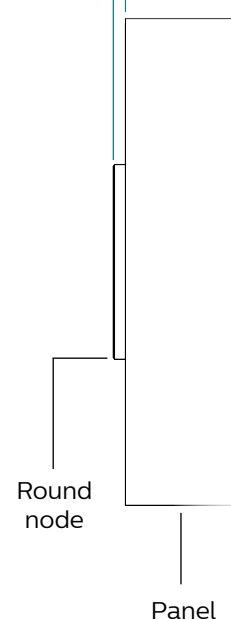


Front view



2 mm (0.08 in.)

Side view



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Specification Table

Item	Specification	Details		
Output	Lumens Per Node	3 - 4 lm		
	Color Temperature	2200 k	N/A	
	Color Rendition	80	N/A	
	LED Channels	White	Red Green Blue	
Electrical	Input Voltage	7.5 VDC via sPDS-480ca, and PDS-60ca		
	Maximum Power Consumption Per Node	0.2 W	0.5 W	
Control	Interface	sPDS-480ca 7.5V (Ethernet) PDS-60ca 7.5V (Pre-programmed or DMX / Ethernet)		
	Control System	Philips full range of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, or third-party controllers		
Physical	Node Size	ø30 mm (1.2 in.)		
	Node Material	Polycarbonate		
	Node Height From Panel	2 mm (0.08 in.)		
	Max. Node Count Per Panel	72		
	Max. Node Count Per Power / Data Supply	sPDS-480ca 7.5V: 1152 nodes PDS-60ca 7.5V: 144 nodes		
	Weight Base Panel With 1 Node	400 mm x 400 mm (15.75 in. x 15.75 in.)	3.2 kg (7.1 lbs)	
		600 mm x 1800 mm (70.87 in. x 23.62 in.)	14.7 kg (32.4 lbs)	
Added Weight Per Extra Node	0.06 kg (0.13 lbs)			

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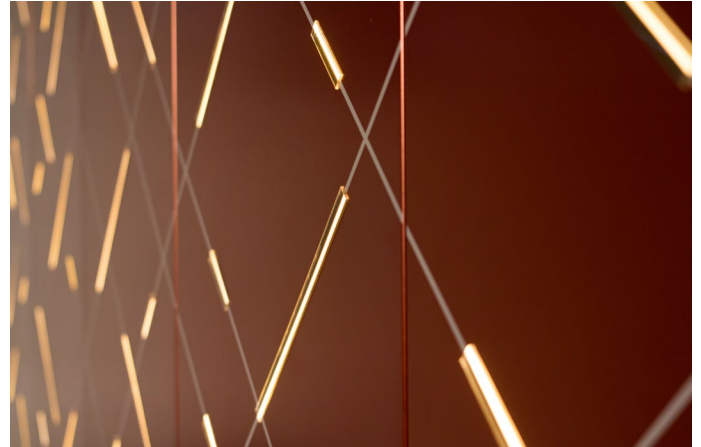
Date:
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Light Style Description

Philips Luminous Patterns Linear Sparkling is a custom light node that come in lengths of 75 mm (3 in.), 200 mm (7.9 in.) or 300 mm (11.8 in.).

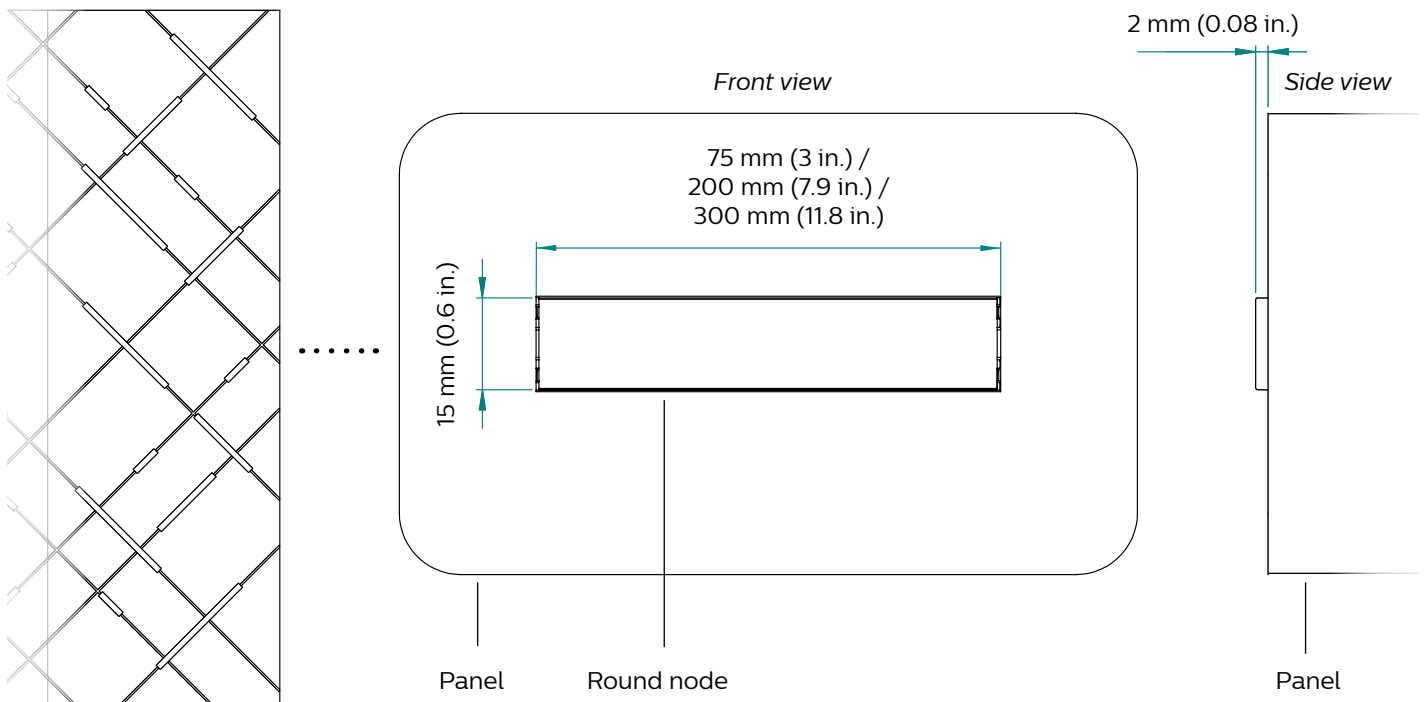
Linear Sparkling light nodes create a sparkling line of light in resemblance of the old linear incandescent Edison bulbs. The 200 mm (7.9 in.) and 300 mm (11.8 in.) Linear Sparkling light nodes house two individually addressable LEDs at each end. This allows for sweeping light shows and unique 'in-line' color mixing. The 75 mm (3 in.) Linear Sparkling light nodes houses one individually addressable LED.

Linear Sparkling light node LEDs are available in 2200k warm white or color changing RGB. Custom color temperatures are available on request.



Dimensions

Typical Installation



Specification Table

Product	Luminous Patterns Linear Sparkling White	Luminous Patterns Linear Sparkling RGB	
Item	Specification	Details	
Output		75 mm (3 in.) 1 - 2 lm	
	Lumens Per Node	200 mm (7.9 in.) 3 - 4 lm	
		300 mm (11.8 in.) 3 - 4 lm	
	Color Temperature	2200 k	
	Color Rendition	80	
	LED Channels	White	
		Red, Green, Blue	
Electrical	Input Voltage	7.5 VDC via sPDS-480ca, and PDS-60ca	
	Maximum Power Consumption Per Node Pcb	0.7 W	
Control	Interface	sPDS-480ca 7.5V (Ethernet) PDS-60ca 7.5V (Pre-programmed or DMX / Ethernet)	
	Control System	Philips full range of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, or third-party controllers	
Physical	Node Sizes	15 mm (0.6 in.) x 75 mm (3 in.), 200 mm (7.9 in.) or 300 mm (11.8 in.).	
	Node Material	Polycarbonate	
	Node Height From Panel	2 mm (0.08 in.)	
	Max. Node Count Per Panel	75 mm (3 in.)	72
		200 mm (7.9 in.)	36
		300 mm (11.8 in.)	36
	Max. Node Count Per Power / Data Supply	75 mm (3 in.)	sPDS-480ca 7.5V: 1152 nodes PDS-60ca 7.5V: 144 nodes
		200 mm (7.9 in.)	sPDS-480ca 7.5V: 576 nodes PDS-60ca 7.5V: 72 nodes
		300 mm (11.8 in.)	sPDS-480ca 7.5V: 576 nodes PDS-60ca 7.5V: 72 nodes
	Weight Base Panel With 1 Node	400 mm x 400 mm (15.75 in. x 15.75 in.)	3.3 kg (7.3 lbs)
600 mm x 1800 mm (70.87 in. x 23.62 in.)		14.8 kg (32.6 lbs)	
Added Weight Per Extra Node	75 mm (3 in.)	0.07 kg (0.15 lbs)	
	200 mm (7.9 in.)	0.1 kg (0.22 lbs)	
	300 mm (11.8 in.)	0.13 kg (0.29 lbs)	

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Specification Table

Product	Luminous Patterns 2D & 3D Graphics White	Luminous Patterns 2D & 3D Graphics RGB	
Item	Specification		
Output	Lumens Per Node @ 115 mm x 115 mm Cut-Out	125 lm	
	Color Temperature	2700 k	
	Color Rendition	80	
	LED Channels	White	
Electrical	Input Voltage	24 VDC via sPDS-480ca, and PDS-60ca	
	Maximum Power Consumption Per Node	2.8 W	
Control	Interface	sPDS-480ca 27V (Ethernet) PDS-60ca 24V (Pre-programmed or DMX / Ethernet)	
	Control System	Philips full range of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, or third-party controllers	
Physical	2D/3D Graphics size	Variable	
	Diffuser material	PMMA	
	Max. Node Count Per Panel	22	
	Max. Node Count Per Power / Data Supply	sPDS-480ca 24V: 176 nodes PDS-60ca 24V: 22 nodes	
	Weight Base Panel With 1 Node (Cut-Out Material Not Taken Into Account)	400 mm x 400 mm (15.75 in. x 15.75 in.)	3.4 kg (7.5 lbs)
		600 mm x 1800 mm (70.87 in. x 23.62 in.)	18 kg (39.7 lbs)
	Added Weight Per Extra Node (Cut-Out Material Not Taken Into Account)	0.07 kg (0.15 lbs)	

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