Luminous patterns – panels

Date: .... **Combined with ligh effect:** ....

Firm name: ....

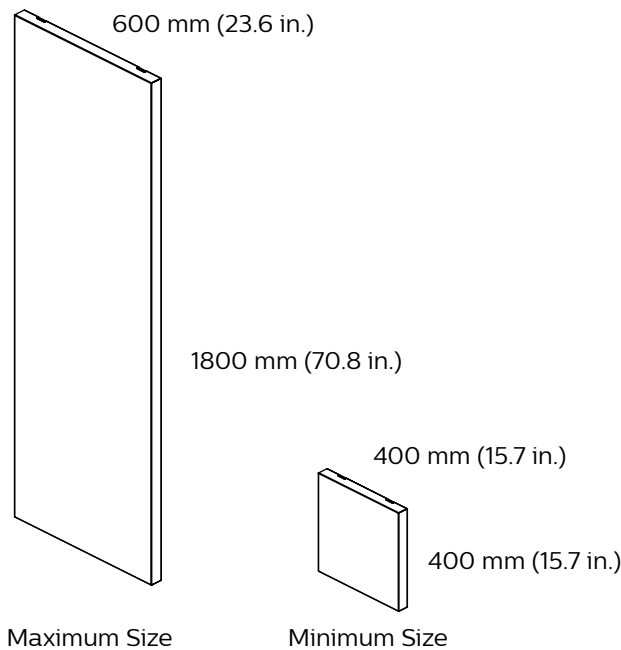**Project:** ....

Product description

Luminous patterns are customizable and built-to-order sheet metal surface mounted panels with integrated patterns of dynamic LED light. The panels can be specified in one of five different light effects: Round sparkling, Linear sparkling, 2D graphic, 3D graphic and Brilliant graphic. Empty panels are also available.
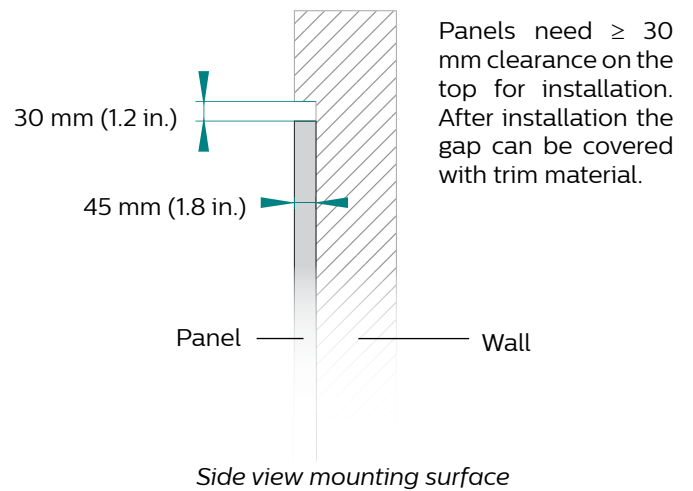
The panels are available in various Akzonobel powder coat finishes or 3M DI-NOC/Greenfilm foils, of which various finishes can be overlaid with printed graphics.
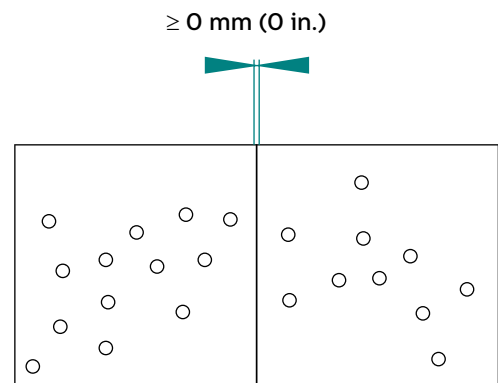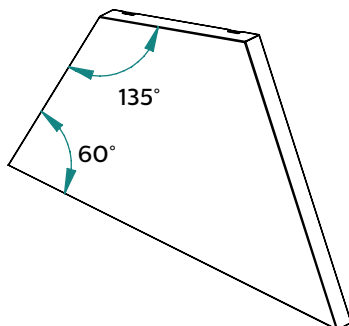
Dimensions

600 mm (23.6 in.)

1800 mm (70.8 in.)

Maximum Size

400 mm (15.7 in.)

400 mm (15.7 in.)

Minimum Size

Shapes

135°

60°

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

Mounting details

30 mm (1.2 in.)

45 mm (1.8 in.)

Panels need ≥ 30 mm clearance on the top for installation. After installation the gap can be covered with trim material.

Panel — — Wall

Side view mounting surface

≥ 0 mm (0 in.)

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 Overlaminate + 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 pending)
	Environment	Dry indoor location IP40
Legal	Warranty	5 Years

* UV printing available on a range of finishes

Ordering information

To order a Luminous patterns installation please contact us at:

luminouspatterns@philips.com

Round sparkling

Date: ....

Firm name: ....

Project: ....
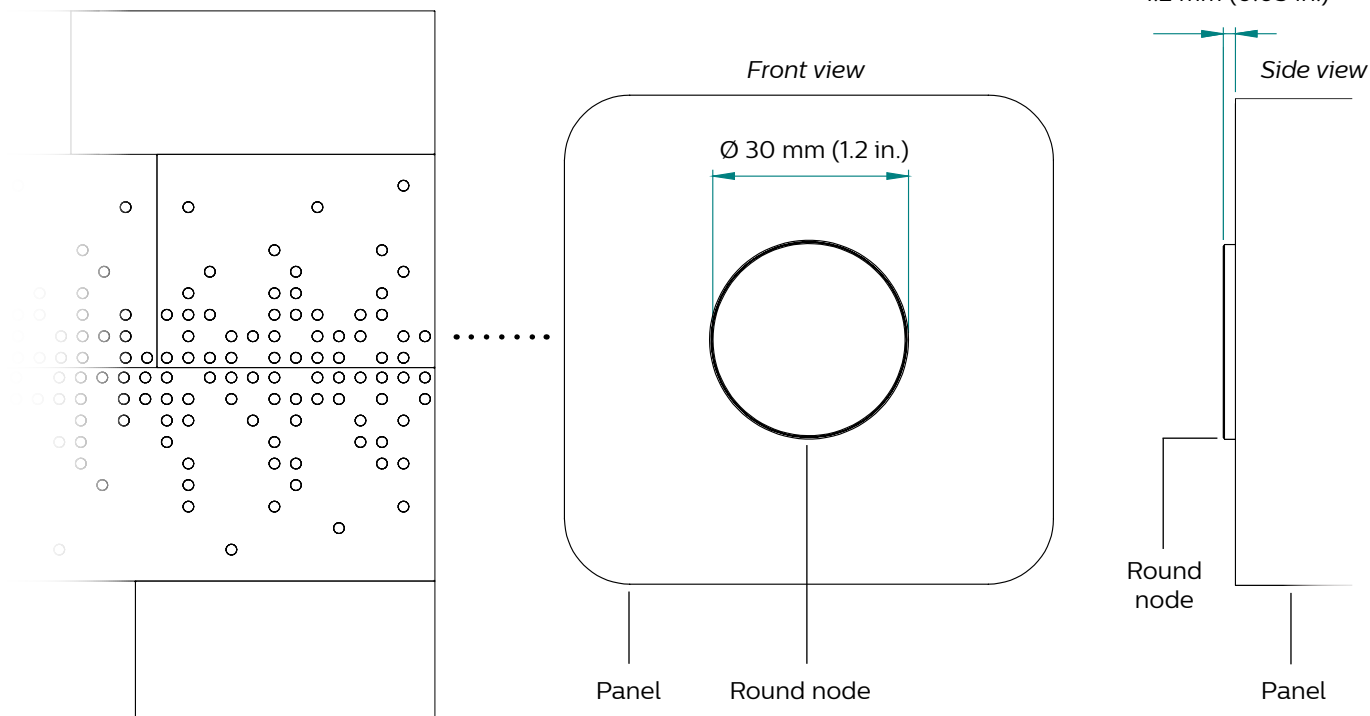
Light effect description

The Round sparkling light effect is a custom Ø30 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

Ø 30 mm (1.2 in.)

Panel   Round node

1.2 mm (0.05 in.)

Side view

Round node

Panel

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Specification table

Item	Specification	Round sparkling white	Round sparkling RGB
Product		Round sparkling white	Round sparkling RGB
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)	

Ordering information

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Linear sparkling

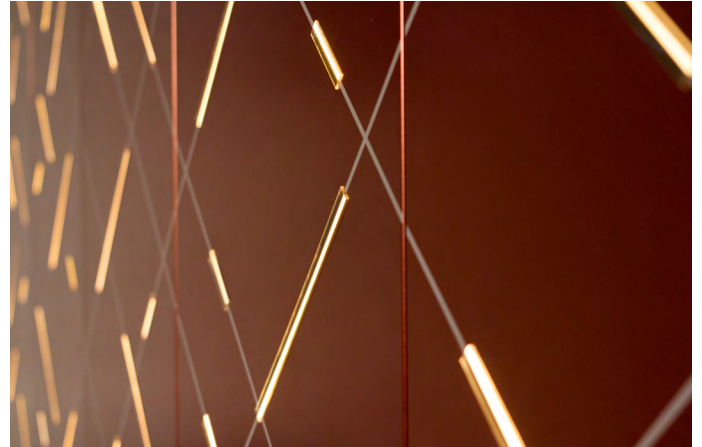**Date:**

Firm name:

Project:

Light effect description

The Linear sparkling light effect consists of custom light nodes that come in lengths of 75 mm (3 in.), 200 mm (7.9 in.) or 300 mm (11.8 in.).
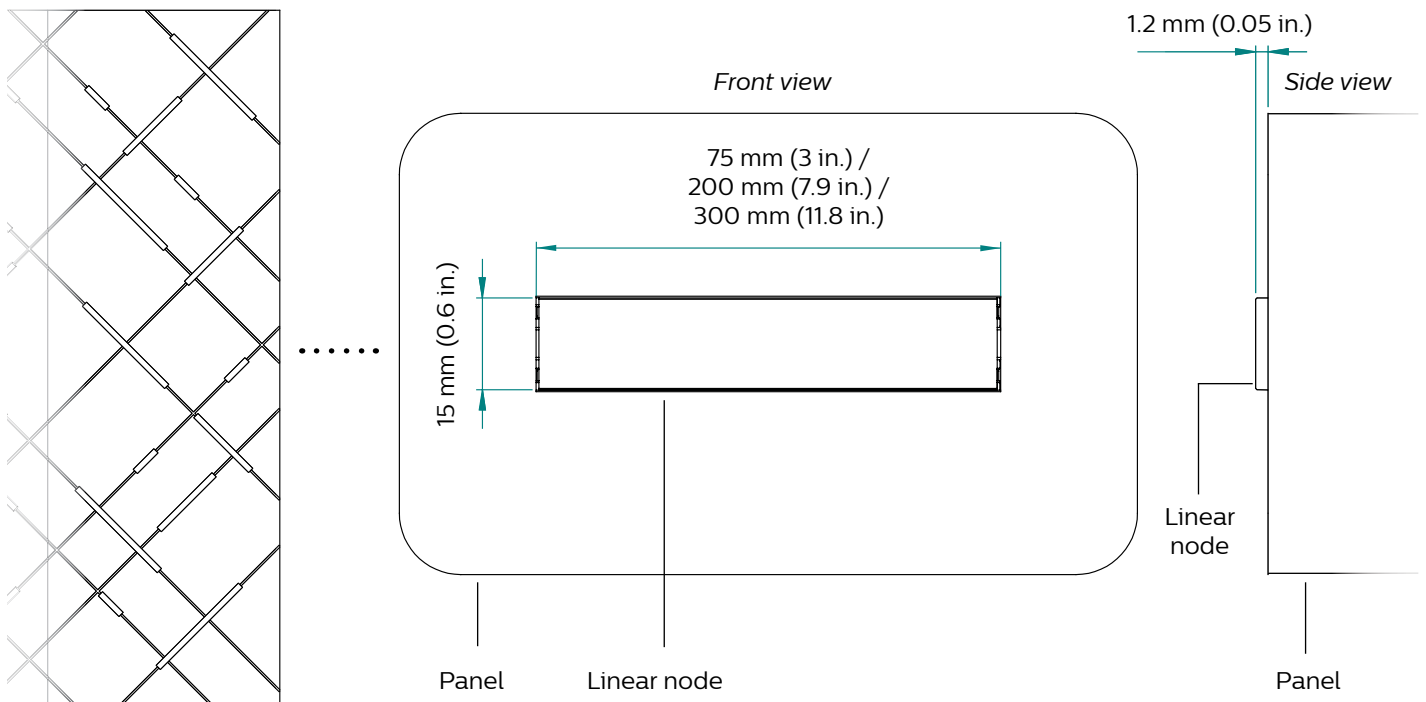
Linear sparkling light nodes create a sparkling line of light in resemblance of the old linear incandescent Edison bulbs. The 200 mm (7.9 in.) and 300 mm (11.8 in.) Linear sparkling light nodes house two individually addressable LEDs at each end. This allows for sweeping light shows and unique 'in-line' 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

1.2 mm (0.05 in.)

Front view

Side view

75 mm (3 in.) /
200 mm (7.9 in.) /
300 mm (11.8 in.)

15 mm (0.6 in.)

Linear
node

Panel   Linear node

Panel

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Specification table

Item	Specification	Linear sparkling white	Linear sparkling RGB
Product		Linear sparkling white	Linear sparkling RGB
Item	Specification	Details	
Output	Lumens Per Node	75 mm (3 in.) 1 – 2 lm 200 mm (7.9 in.) 3 – 4 lm 300 mm (11.8 in.) 3 – 4 lm	75 mm (3 in.) 0.5 – 1 lm 200 mm (7.9 in.) 1 – 2 lm 300 mm (11.8 in.) 1 – 2 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 Pcb	0.7 W	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	PMMA	
	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)	

Ordering information

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2D & 3D graphic

Date: ....

Firm name: ....

Project: ....
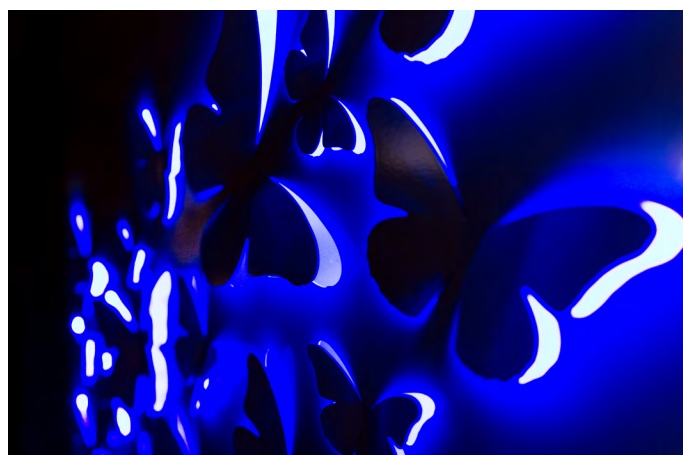
Light effect description

2D graphic

The 2D graphic light effect is a backlit 2D cut-out, powered by custom 115 mm x 115 mm (4.5 in. x 4.5 in.) light modules. These light modules can be freely placed and come in 2700k warm white or color changing RGB. Custom color temperatures are available on request.
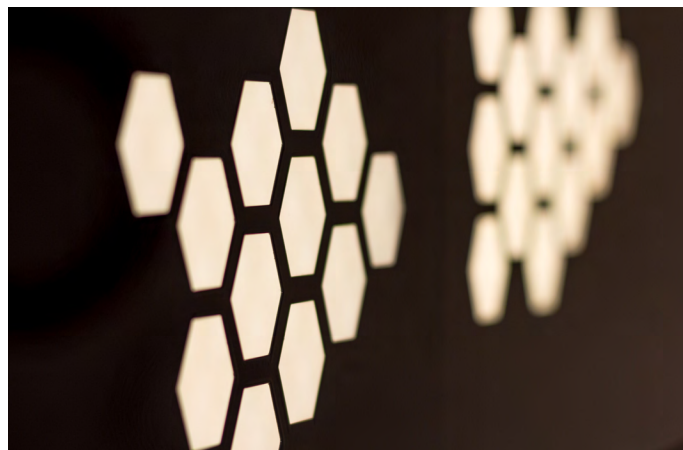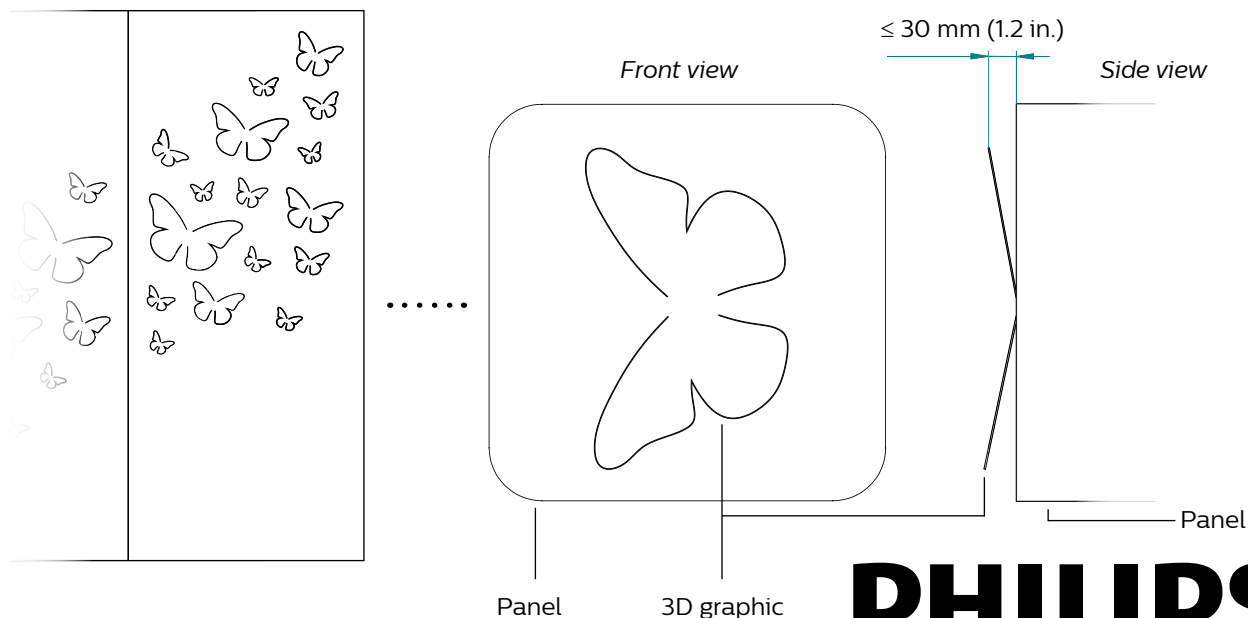

3D graphic

The 3D graphic light effect is a backlit cut-out bend outwards to create a 3-dimensional effect. These 3D cut-outs are powered by custom 1115 mm x 115 mm (4.5 in. x 4.5 in.) light modules, available in 2700k warm white or color changing RGB. Custom color temperatures are available on request.

Dimensions

Typical Installation

Front view

≤ 30 mm (1.2 in.)

Side view

Panel

Panel   3D graphic

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Specification table

Product			2D & 3D graphic white	2D & 3D graphic RGB
Item		**Specification**		
Output		Lumens Per Node @ 115 mm x 115 mm Cut-Out	125 lm	
		Color Temperature	2700 k	N/A
		Color Rendition	80	N/A
		LED Channels	White	Red Green Blue
Electrical		Input Voltage	24 VDC via sPDS-480ca, and PDS-60ca	
		Maximum Power Consumption Per Node	2.8 W	8.3 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 graphic size	Variable	
		Diffuser material	PMMA	
		Max. Node Count Per Panel	22	40
		Max. Node Count Per Power / Data Supply	sPDS-480ca 24V: 176 nodes PDS-60ca 24V: 22 nodes	sPDS-480ca 24V: 56 nodes PDS-60ca 24V: 7 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)	

Ordering information

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Brilliant graphic

Date: ....

Firm name: ....

Project: ....
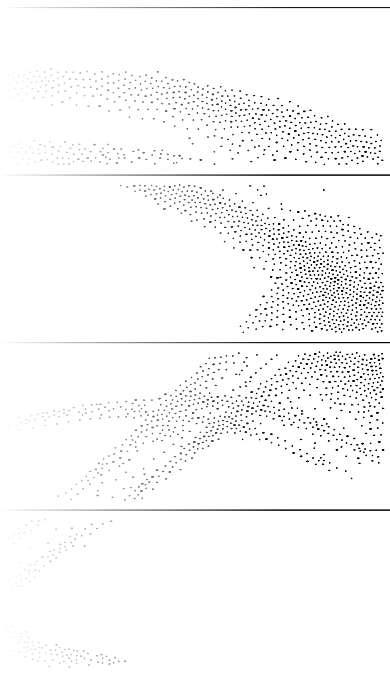
Light effect description

Brilliant graphic is a unique optical light effect which creates an eye catching sparkle when moving past it. The holes in the surface of the panel can range between 0.6 mm (0.02 in.) and 2 mm (0.08 in.) to create smaller or bigger highlights. The Brilliant graphic light effect is powered by custom 1115 mm x 115 mm (4.5 in. x 4.5 in.) light modules, available in 2700k warm white or color changing RGB. Custom color temperatures are available on request.
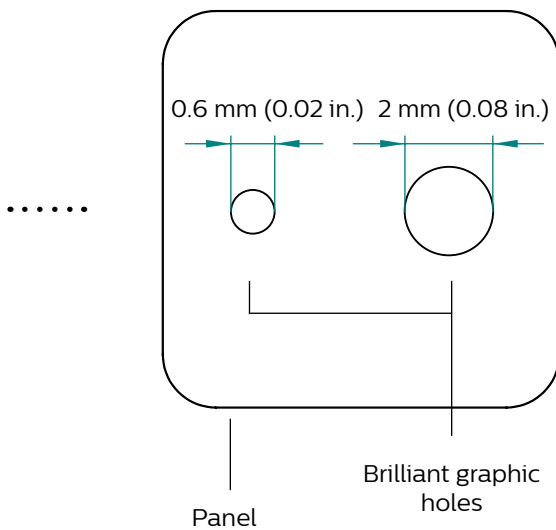
Dimensions

Typical Installation

Close–up
Front view

0.6 mm (0.02 in.)   2 mm (0.08 in.)

Panel

Brilliant graphic
holes

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Specification table

Product		Brilliant graphic white	Brilliant graphic RGB
Item	**Specification**		
Output	Lumens Per Node @ 115 mm x 115 mm Cut-Out	125 lm	
	Color Temperature	2700 k	N/A
	Color Rendition	80	N/A
	LED Channels	White	Red Green Blue
Electrical	Input Voltage	24 VDC via sPDS-480ca, and PDS-60ca	
	Maximum Power Consumption Per Node	2.8 W	8.3 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	Hole sizes	Min 0.6 mm (0.02 in.) - Max. 2 mm (0.08 in.)	
	Lens material	Polycarbonate	
	Max. Node Count Per Panel	22	40
	Max. Node Count Per Power / Data Supply	sPDS-480ca 24V: 176 nodes PDS-60ca 24V: 22 nodes	sPDS-480ca 24V: 56 nodes PDS-60ca 24V: 7 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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