M-DECO
Media Facade Lighting

D6S

DRY WET IP66

- Flexible pixel pitch ranging from 100 up to 1,200mm
- Various lens cover : flat and dome type, clear and diffuser type
- Various installation methods on irregular architectural surface

Publicis Drugstore
Jun. 2014. Paris, France

PRODUCT SPECIFICATIONS_RGB	0.9W(10mA)	1.3W(15mA)	
LED Source	3 in 1 Full Color SMD LED × 6		
Size (W×D×H)	55mm × 22.4mm × 14mm		
Material	Polycarbonate		
Weight	27.5g (0.06lbs)	27.5g (0.06lbs)	with In/Out cable 200mm
Power Consumption	Max. 0.9W	Max. 1.3W	1 Node
Brightness	26 lm,10 cd	36 lm, 13.4 cd	1 Node, Clear Flat Cover
Pixel Pitch	100mm ~ 1,200mm		
Beam Angle	110°		
Color Process	3 x 12 bit (Gamma Correction)		
Control	Artnet, DMX, Video Control		
Operating Voltage	24V DC		
Addressing	Auto/Manual Addressing Setting		
Protection	IPX8		
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)		
Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)		
Option	Flat Cover (Clear/Diffuser)		
Certification	CE, EN62471		

SYSTEM SPECIFICATIONS	0.9W(10mA)	1.3W(15mA)	
Main Input Cable	20m (AWG18 x 4C), 20~50m (AWG22 x 6C)		
Maximum Connection	Max. 120 Nodes	Max. 90 Nodes	100mm pixel pitch

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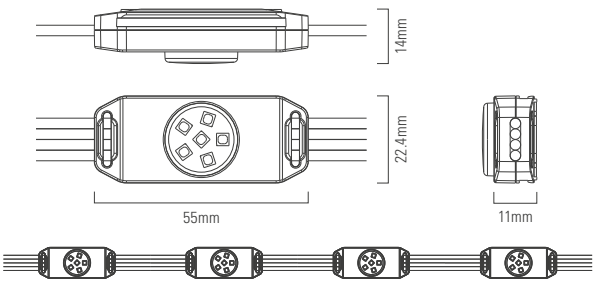
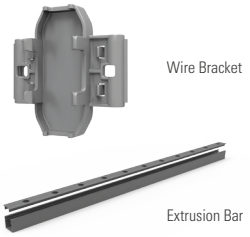
PRODUCT SPECIFICATIONS_WHITE	0.9W(10mA)	1.3W(15mA)	
LED Source	2700K, 3000K, 4000K, 6500K		
Size (W×D×H)	55mm × 22.4mm × 14mm		
Material	Polycarbonate		
Weight	27.5g (0.06lbs)	27.5g (0.06lbs)	with In/Out cable 200mm
Power Consumption	Max. 0.9W	Max. 1.3W	1 Node
Brightness	80lm, 27cd	110lm, 40cd	1 Node, 4000K, Clear Flat Cover
Pixel Pitch	100mm ~ 1,200mm		
Beam Angle	110°		
Color Process	3 x 12 bit (Gamma Correction)		
Control	Artnet, DMX, Video Control		
Operating Voltage	24V DC		
Addressing	Auto/Manual Addressing Setting		
Protection	IP66		
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)		
Storage Temperature	-30°C ~ 80°C (-22°F ~ 176°F)		
Option	Flat Cover (Clear/Diffuser)		
Certification	CE, EN62471		

SYSTEM SPECIFICATIONS	0.9W(10mA)	1.3W(15mA)	
Main Input Cable	20m (AWG18 x 4C), 20~50m (AWG22 x 6C)		
Maximum Connection	Max. 120 Nodes	Max. 90 Nodes	100mm pixel pitch

TECHNICAL DRAWING

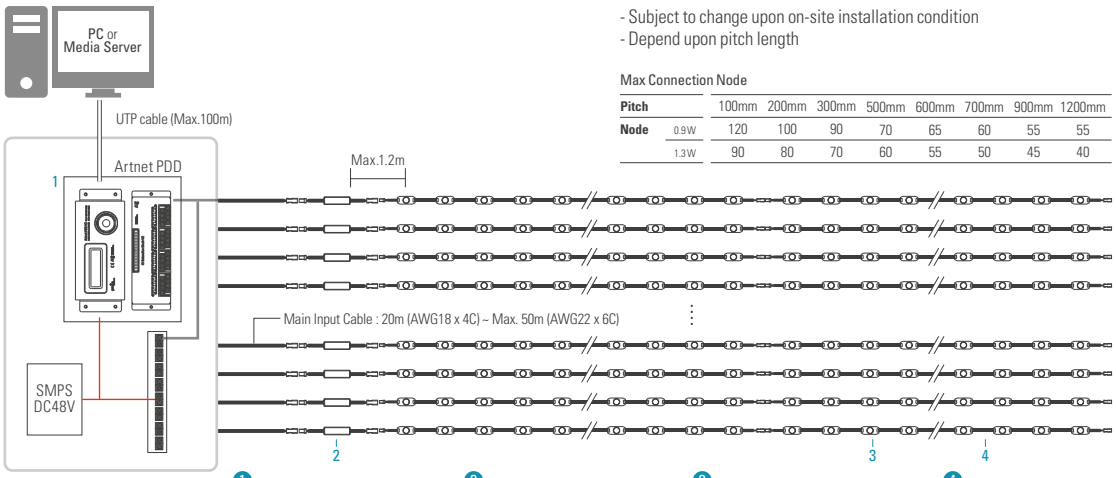


ACCESSORY



※ Accessories appeared on product image are optional and are not included on basic model.

SYSTEM BLOCK DIAGRAM



- Subject to change upon on-site installation condition
- Depend upon pitch length

Max Connection Node

Pitch		100mm	200mm	300mm	500mm	600mm	700mm	900mm	1200mm
Node	0.9W	120	100	90	70	65	60	55	55
	1.3W	90	80	70	60	55	50	45	40

PSU Box

1 Artnet PDD
- Size : (W)160 x (D)80 x (H)17.2mm
- Input Data : Artnet
- Input Voltage : 24V DC (10~60V DC)
- Output Data : 16port Differential Data
- Operating Temp : -20 ~ 50°C
- Max.Connector : Max.100nodes per port
- Function : Data transfer

2 LPU24
- Size : (W)30 x (H)21 x (D)158mm
- Input Data : SPI Differential Data
- Input Voltage : 48V DC (28~60V DC)
- Output Data : SPI Single Data
- Output Power : 24V DC
- Operating Temp : -20 ~ 50°C
- Max.Connector : Max.120nodes per port
- Protection : IP 66
- Function : Power & Data converting

3 D6S
- Size : (W)55 x (H)22.4 x (D)14mm
- LED : 3 in 1 Full Color SMD LED
- Power Consumtion : Max.0.9W | Max.1.3W
- Brightness : 10cd/node | 13.4cd/node
- Input Data : SPI Single Data
- Operating Voltage : 24V DC
- Operating Temp : -20 ~ 50°C
- Protection : IP 66
- Node Pitch : 100 ~ 1,200mm

4 D6S cable
- Size : AWG18 x 4C
- Length : Max.1200mm
- Connector : Waterproof CON

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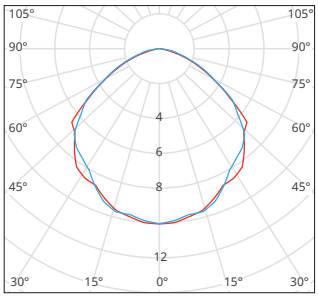
PHOTOMETRICS

GS-06SFO
(D6S_RGB_Clear Flat_110D_0.9W)

Color	White	Red	Green	Blue
Lumens	26.4	6.59	18.64	2.9

Polar LDC

Measured on white

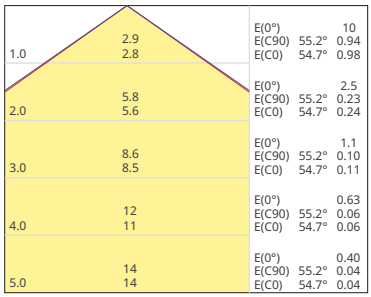


cd 26 lm

C0-C180 C90-C270

Illuminance at distance

Measured on white



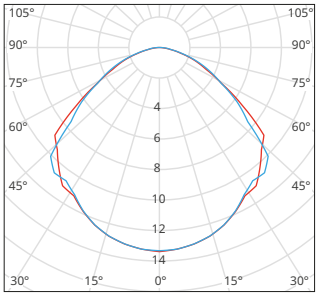
Distance [m] Cone Diameter [m] Illuminance [lx]

C0-C180 (Beam Angle: 109.4°) C90-C270 (Beam Angle: 110.4°)

GS-06SFO-1
(D6S_RGB_Clear Flat_110D_1.3W)

Color	White	Red	Green	Blue
Lumens	35.9	10.26	24.9	4.3

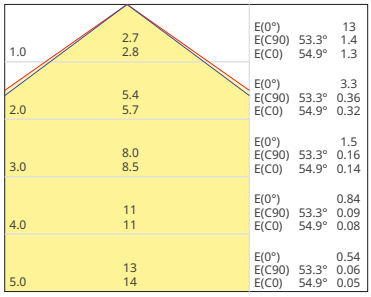
Measured on white



cd 36 lm

C0-C180 C90-C270

Measured on white



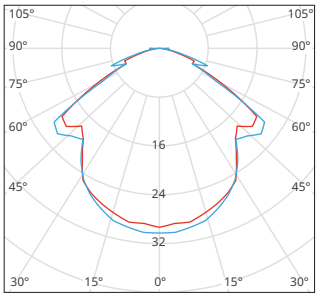
Distance [m] Cone Diameter [m] Illuminance [lx]

C0-C180 (Beam Angle: 109.8°) C90-C270 (Beam Angle: 106.6°)

GS-06SFO-17-02
(D6S_White 4000K_Clear Flat_110D_0.9W)

Color	White
Lumens	80

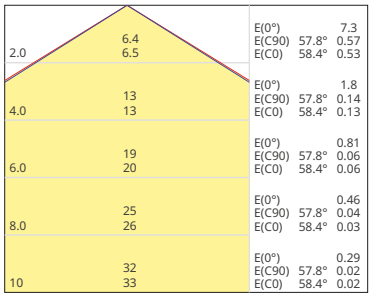
Measured on white



cd 80 lm

C0-C180 C90-C270

Measured on white



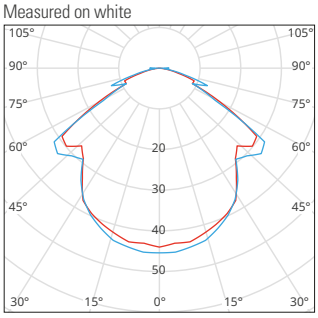
Distance [m] Cone Diameter [m] Illuminance [lx]

C0-C180 (Beam Angle: 116.8°) C90-C270 (Beam Angle: 115.6°)

GS-06SFO-17-04
(D6S_White 3000K_Clear Flat_110D_1.3W)

Color	White
Lumens	119

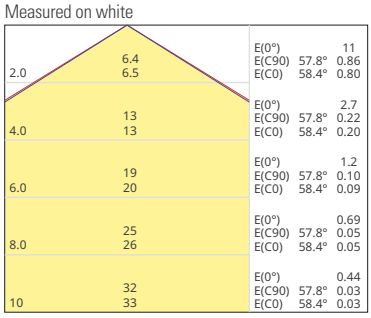
Measured on white



cd 119 lm

C0-C180 C90-C270

Measured on white



Distance [m] Cone Diameter [m] Illuminance [lx]

C0-C180 (Beam Angle: 116.8°) C90-C270 (Beam Angle: 115.6°)

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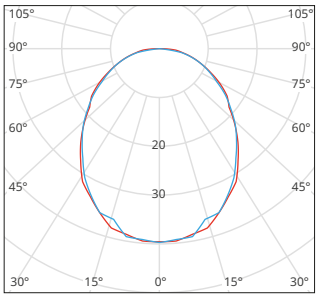
PHOTOMETRICS

GS-06SFO-17-10
(D6S_White 3000K_Diffuser Flat_100D_1.3W)

Color	White
Lumens	97

Polar LDC

Measured on white

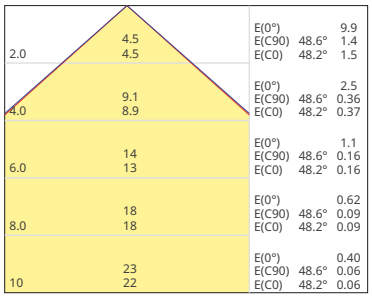


cd 97 lm

C0-C180 C90-C270

Illuminance at distance

Measured on white

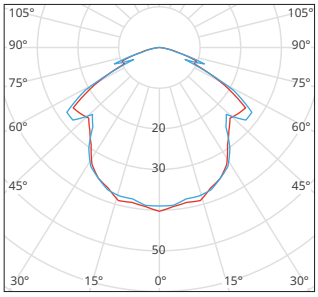


C0-C180 (Beam Angle: 96.4°) C90-C270 (Beam Angle: 97.2°)

GS-06SFO-17-05
(D6S_White 4000K_Clear Flat_110D_1.3W)

Color	White
Lumens	110

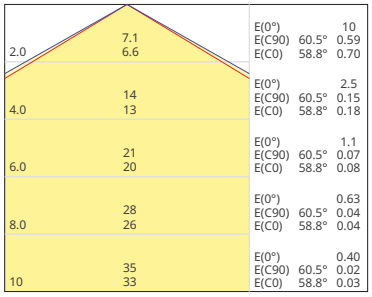
Measured on white



cd 110 lm

C0-C180 C90-C270

Measured on white



C0-C180 (Beam Angle: 117.6°) C90-C270 (Beam Angle: 121.0°)

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