



**PixelDOME™**  
LED Pixel for Direct View

PixelDOME™ LED Pixel for Direct View



PixelDOME™ is an RGB Color Changing pixel luminaire. It is designed to be used in an array for low resolution image creation or color changing effect lighting. Typical applications include ‘Architainment’, media façades, low resolution video displays and special effect lighting.

Each PixelDOME is a compact aluminum body which houses three Lumileds Rebel LEDs, Red, Green and Blue, behind an opal polycarbonate dome. The dome provides viewers with a highly saturated body of light with an overall viewing angle of more than 180°.

PixelDOME uses Power/Data protocol which converts a DMX control signal with the GVA Lighting Power-Data Box and transmits both power and data through 2 conductor cables. each Power-Data Box controls up to 24 individual PixelDOMEs.

PixelDOME is IP66 rated for indoor and outdoor locations. Its design is optimized for thermal management and can operate at temperatures from -30°C to +50°C. Bracket Mount and Flange Mount options are available.











Specification Logic

FAMILY	BODY COLOR	LED QTY.	LED POWER	LED COLOR	OPTICS	CONTROL	OPTIONS
PixelDOME	CM - Clear Matte BM - Black Matte	3	1W	RGB	OPL - Opal Dome	PD - Power/Data Protocol	BK - Bracket Mount FM - Flange Mount

Sample Logic: PixelDOME-CM-3-2W-RGB-OPL-PD-FM

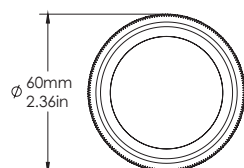
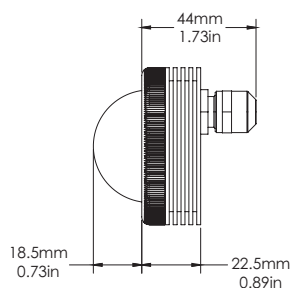
## PixelDOME™ LED Pixel for Direct View

Product Specifications			PixelDOME
Electrical	Rated Input Voltage		24VDC
	Power Consumption (typical)		3.5W
	Approved Remote AC/DC Power Supplies		GVA Lighting, Inc. Power-Data Box Only
Optical	Light Source		1 x Red, 1 x Green, 1 x Blue Lumileds Rebel LEDs
	Lumens (typical)		125
	Optic		Direct View Opal PC Dome Lens, 180°+ Viewing Angle
	Projected Lumen Maintenance		50,000 hours @ 50°C (B50, L70)
Control	Interface		GVA Lighting, Inc. Power-Data Protocol
	Control Systems		DMX Input to GVA Lighting, Inc. Power-Data Box e:cue or any third party DMX512-A controllers GVA Lighting Inc. CL-DMX Controller
Physical	Diameter x Height	mm	90 x 62.5
		inches	3.54 x 2.46
	Weight	kg	0.25
		lbs	0.55
	Housing		Machined 6063 T6 Aluminum, A41 Anodized, Opal PC Dome Lens
	Fixture Connections		300mm Lead Cable with Tapping Connector for Keyed Cable System
Certification & Safety	Rated Operating Temperature		-30°C to +50°C, -22°F to 122°F
	Environment		Indoor/Outdoor, Dry or Damp or Wet Locations
	Listings		ETL/cETL listing pending, RoHS
	IEC Classification		Surface or Recessed Mount, Indoor/Outdoor-Use, Class III, IP 66, for normal use
	UL/CSA Classification		Surface Mount or Recessed Mount, For Dry or Damp or Wet Locations
			   

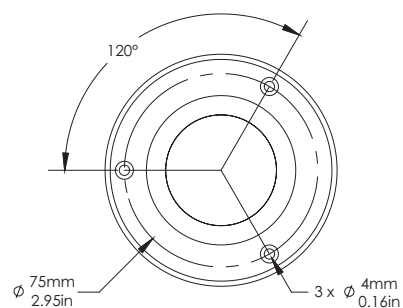
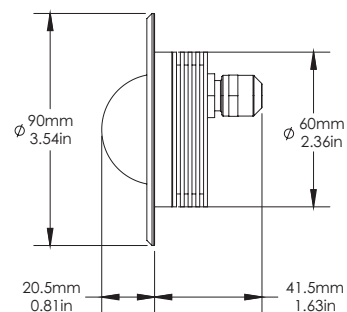
Product Specifications			Power-Data Box
Electrical	Rated Input Voltage		110~240/277VAC
	Power Consumption (maximum)		86W
Control	Interface		DMX512-A Control Protocol
	Control Systems		e:cue or any third party DMX512-A controllers GVA Lighting Inc. CL-DMX Controller
Physical	Length x Width x Height	mm	192 x 130 x 68
		inches	7.55 x 5.12 x 2.68
	Weight	kg	0.5
		lbs	1.1
	Housing		UV Stabilized Polycarbonate Enclosure, IP67
	Fixture Connections		1m Data Input/Output Cable with Stripped Wires 1m Supply Chord with Stripped Wires 300mm Power-Data Output Cable with Tapping Connector for Keyed Cable System
Certification & Safety	Rated Operating Temperature		-30°C to +50°C, -22°F to 122°F
	Environment		Indoor/Outdoor, Dry or Damp or Wet Locations
	Listings		ETL/cETL listing pending, RoHS
			   

These figures are subject to change due to further development and innovations of LED light sources.

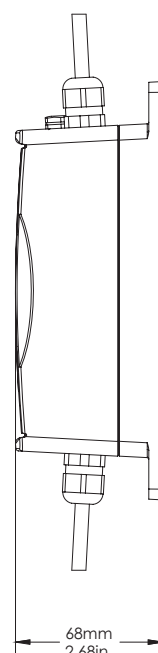
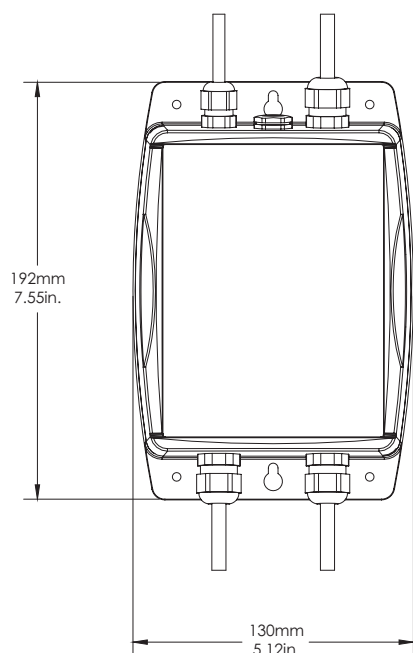
### PixelDOME Bracket Mount Version



### PixelDOME Flange Mount Version



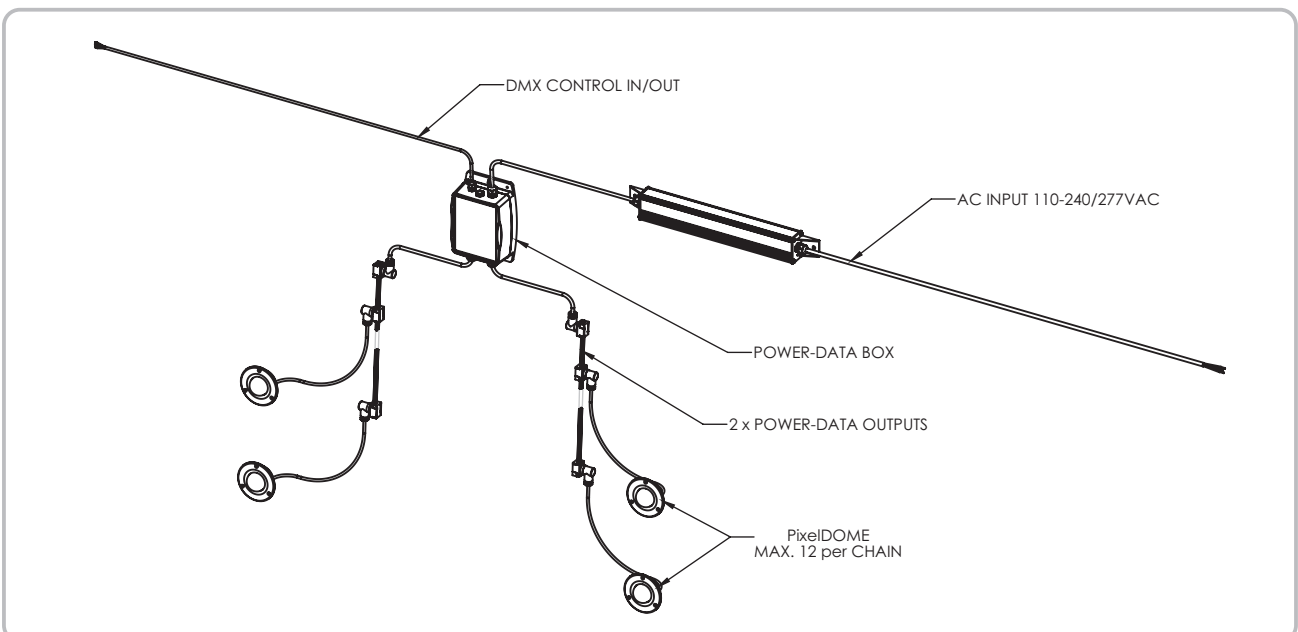
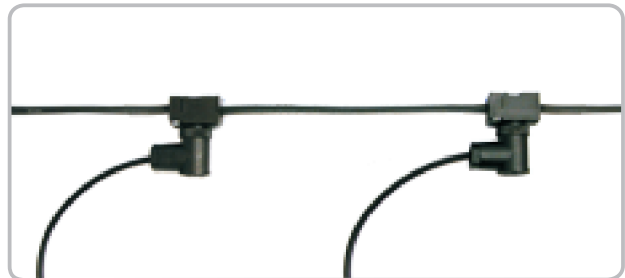
### Power-Data Box



## Power/Data Protocol



- PixelDOME fixture is designed to use GVA Power/Data Protocol
- DMX input to GVA Lighting Power/Data Box
- Power/Data Box transmits signal and power over a single, two-conductor cable
- Multiple PixelDOME fixtures can be connected on one power/data cable (maximum 12 per cable, 2 cables per Power-Data Box)
- Wire tapping connector pre-installed on PixelDOME fixture and on Power-Data Box outputs
- Cable and connector are keyed to ensure proper polarity
- When assembled and secured, connector maintains IP66 rated seal with cable
- Connectors can be placed anywhere along the Power/Data cable
- Allows for flexible installation, no predetermined pixel pitch
- System greatly reduces total cabling required for clean and tidy installation



CREATING NEW BEAUTY FOR OUR HOME PLANET™



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