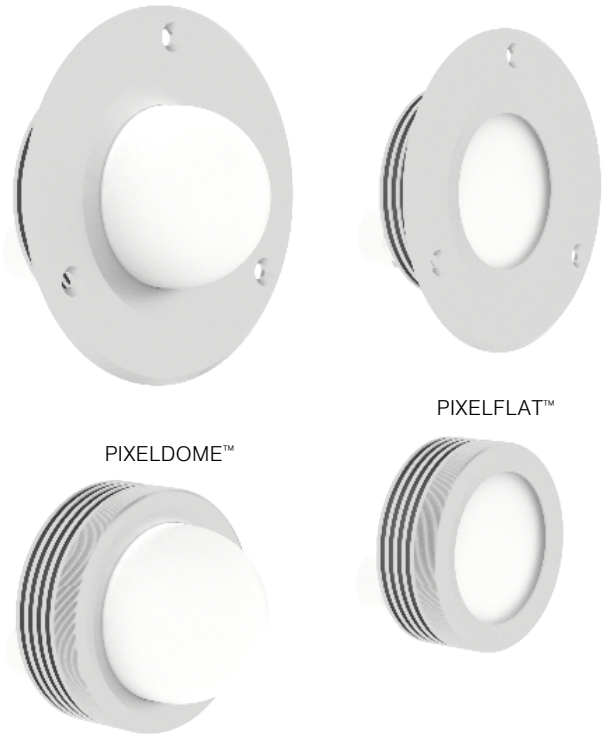
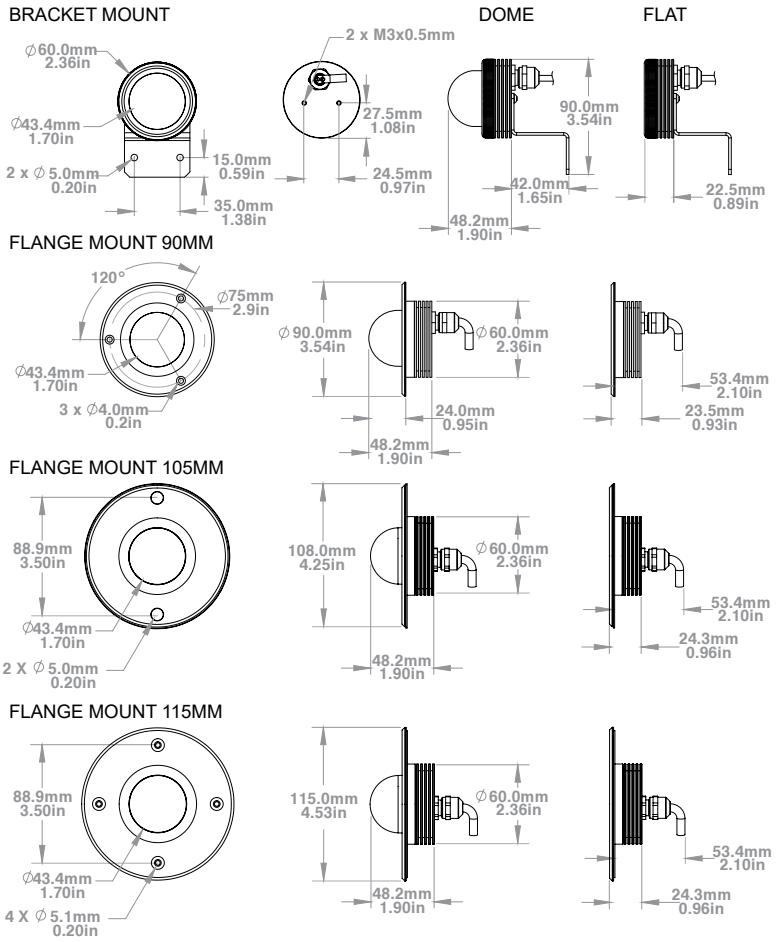
PIXELDOME™ & PIXELFLAT™

Direct View Monochromatic & RGB Pixel LED

PRODUCT SPECIFICATION SHEET

DATE:	
TYPE:	
COMPANY:	
PROJECT:	





FEATURES:

- IP66 rated for dry, damp or wet locations
- Indoor or outdoor applications from -40°C to +50°C, -40°C to +122°F
- Machined anodized aluminum body designed for superior thermal management
- Projected Lifetime 50,000hrs @ 50°C, 86°F (B50, L70)
- 5 year limited warranty

OPTIONS:

- RGB or Monochromatic LED packages available
- Available in clear matte or black matte outdoor anodized finish
- Bracket, flange or junction box mounting
- Impact resistant, opal acrylic dome lens for 180°+ viewing angle or opal acrylic flat lens

SPECIFICATION LOGIC: PIXELDOME™ & PIXELFLAT™

FAMILY	OPTICS	BODY COLOR	LED POWER	LED COLOR	CONTROL	MOUNTING[2]
PIXEL	**DOME** **FLAT**	**CM** - Clear Matte Anodized **BM** - Black Matte Andodized **CUST** - Custom Color[3]	**3W**	**2700K** **3000K** **3500K** **4000K** **5000K** **6500K** **RD** - Red **GR** - Green **BL** - Blue **AM** - Amber **RGB** - Red, Green & Blue	**ND** - Non-Dimming[1] **DMX** PD - Power/Data[3]	**BK** - Bracket Mount **FM90** - Flange Mount 90mm **FM105** - Flange Mount 105mm **FM115** - Flange Mount 115mm **ML** - Mountless

PRODUCT CONFIGURATION

1. Non-Dimming control option only available with monochromatic LED Color options
2. For junction box options see accessories on Page 2.
3. Non standard option and might require longer leadtime than usual. Contact factory for details.

Direct View Monochromatic & RGB Pixel LED

PRODUCT SPECIFICATION SHEET

PRODUCT SPECIFICATIONS: PIXELDOME™ & PIXELFLAT™

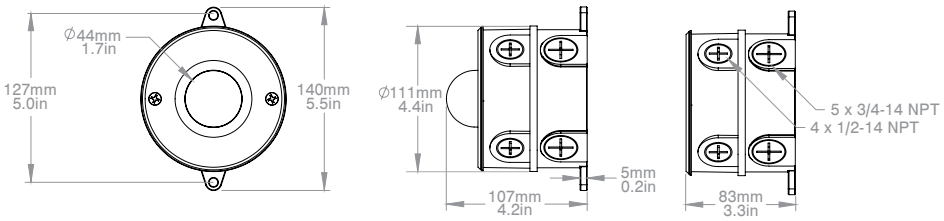
ELECTRICAL	Rated Input Voltage		24V DC			
	Power Consumption (Max.)		3.5W			
	Approved Remote AC/DC Power Supply		GVA Lighting, Inc. Power-Data Box Only			
OPTICAL	Light Source		1 x Red, 1 x Green, 1 x Blue LEDs or 3 x Mono Color LEDs			
	Lumens (Typical, 3000K Mono)		255			
	Optics (FWHM)		PMMA Opal Dome Lens, 180°+ Viewing Angle or PMMA Opal Flat Lens			
	Lumen Maintainance (L70)		50,000 hours @ 50°C (B50, L70)			
CONTROL	Control Interface		DMX-512-A or No Dimming, On/Off			
	Control Systems		GVA Lighting Power-Data Equipment/ Any third party DMX512-A controllers			
PHYSICAL			Bracket Mount	Flange Mount 90mm	Flange Mount 105mm	Flange Mount 115mm
	Size (Width x Depth PIXELDOME™ / Depth PIXELFLAT™)	mm	60 x 48 / 23	90.0 x 48.2/ 23.5	108.0 x 48.2/ 24.3	115.0 x 48.2/ 24.3
		in	2.4 x 1.9 / 0.9	3.54 x 1.90/ 0.93	4.25 x 1.90/ 0.96	4.53 x 1.90/ 0.96
	Weight	kg	0.16	0.15	0.15	0.15
		lbs	0.34	0.33	0.33	0.33
	Housing		Machined 6063 T6 Aluminum, Anodized, Opal PMMA Dome/ Flat Lens			
	Fixture Connections		300mm Lead Cable, tinned stripped leads			
	Rated Operation Temperature		-40°C to +50°C, -40°F to 122°F			
	Environment		Indoor/Outdoor, Dry or Damp or Wet Locations			
CERTIFICATION & SAFETY	Listings		ETL/cETL, RoHS			
	IEC Classifications		Surface or Recessed Mount, Indoor/Outdoor-Use, Class III, IP66, for normal use			
	UL/CSA Classification		Surface Mount or Recessed Mount, For Dry or Damp or Wet Locations			

IP66

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

ORDERING LOGIC: ACCESSORIES

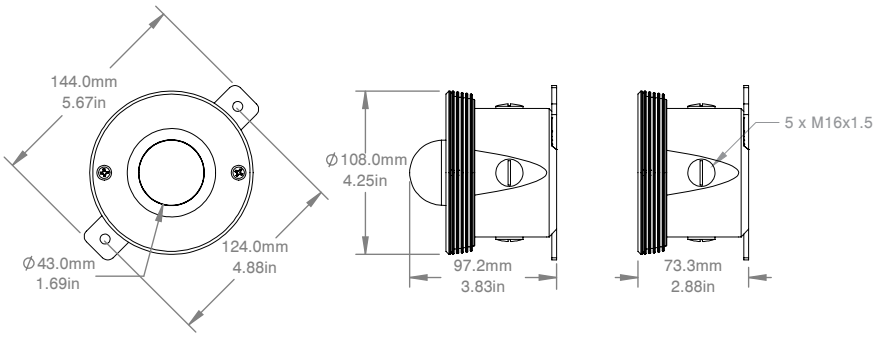
JUNCTION BOX KITS



JB110

PART NUMBER
122393

*Fits with **FM105** Mounting Option
*Kit includes required screws for mounting luminaire to junction box

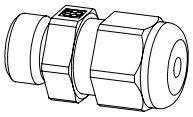


JB105

PART NUMBER
122751

*Fits with **FM105** Mounting Option
*Kit includes required screws for mounting luminaire to junction box

CABLE GLANDS



SIZE	PART NUMBER
3/4in NPT	280271
	Min. cable O.D: 6.5mm, Max. cable O.D: 14.0mm
M16x1.5	280142
	Min. cable O.D: 4.5mm, Max. cable O.D: 10.0mm

RTV 102 SILICONE[1]

SIZE	PART NUMBER
85 mL tube	260186

1. All outdoor applications require RTV 102 silicone to be applied to all cable entries, thread plugs, cable glands, and conduit adapters. See installation guide for more details