

G2R Series — Vivarium Red

Grid Mount

Grid Techniseal Troffer



APPLICATIONS:

- Cleanroom (Classes 100-100,000; ISO Classes 5-9)
- Food Processing (NSF Certified Splash Zone, Food Zone)
- Industrial & Commercial
- Transit & Municipal
- Wet Location (ETL/cETL Listed)
- Pharmaceutical
- Biology
- Vivarium
- Laboratory

FEATURES:

- 632 nm Red LED
- Available with IP 65 rating, add -IP65 suffix (requires stainless steel lens frame & trim frame)
- L70 ≥ 132,500 hours
- Available in Stainless Steel construction
- Premium Driver with Dimming standard
- Type IC
- Every luminaire tested to assure customer satisfaction
- 5-Year limited warranty

SPECIFICATIONS

HOUSING:

Constructed of nominal 20GA (0.036) zinc coated steel for unmatched corrosion protection. Two welded, tapered, threaded flanges on the top provide a sealed wireway access. All seams are sealed with a long life acrylic sealant.

FINISH:

Painted surfaces are two mil white polyester enamel, special colors available.

LENS:

0.125 StarFrost Acrylic with 50% DR content for durability, smooth side out. See Ordering Information for other high quality lens options.

LENS FRAME:

Exclusively designed, heavy duty, extruded, anodized aluminum with stainless steel captive screws used to hold the lens frame tight to the housing. The frame is hinged for support while servicing.

Food Zone: All external metal components of stainless steel (S3 option std).

REFLECTOR:

Fabricated of aluminum, painted with a minimum reflectance of 88%.

GASKETING:

An extruded, ribbed vinyl gasket seals the lens into the frame; with our exclusive, mechanically held, extruded, silicone gasket used to seal the frame to the housing.

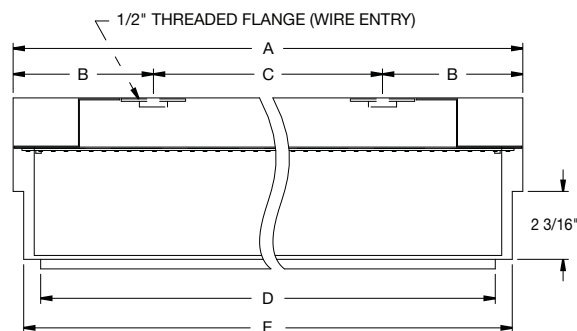
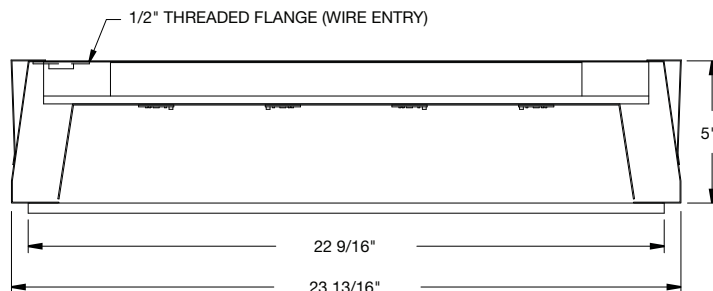
Food Zone: Silicone sealant is used to seal the lens into the frame, with extruded EPDM sealing the frame to the housing.

ELECTRICAL:

High efficiency LED/Driver combination delivers red light output suitable for animal research and other applications. 0-10V dimming comes standard with other control options available. THD <10%@120V, <15%@277V, PF> 0.95.

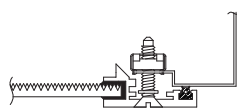
MOUNTING:

Grid or custom detail available.

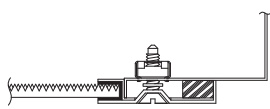


LENGTH (ft)	WEIGHT (lbs)	DIMENSIONS IN INCHES				
		A	B	C	D	E
2	22	23 29/32	5 11/32	13 1/4	22 9/16	23 21/32
4	38	47 29/32	4 31/32	38	46 1/2	47 21/32

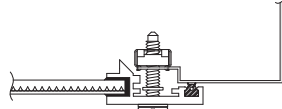
LENS FRAME DETAILS



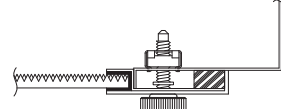
ALUMINUM
LENS FRAME DETAIL



STAINLESS STEEL
LENS FRAME DETAIL



SPLASH ZONE
LENS FRAME DETAIL



FOOD ZONE
LENS FRAME DETAIL

JC-TD-120425

Due to continuous development and improvements, specifications are subject to change without notice.

G2R Series — Wet & NSF Splash Zone Locations

PRODUCT ORDERING CODE

SERIES	LENGTH	MOUNTING	VOLTAGE	COLOR	LUMENS	FINISH	LENS	DIMMING	OPTIONS
PMG2R Wet Location PMSG2R NSF Splash Zone ¹	2 2 FT 4 4 FT		UNV 120 - 277 VAC	RD RED		PZ Painted Zinc Steel Housing, Aluminum Lens Frame S2 Stainless Steel Housing, Aluminum Lens Frame S3 Stainless Steel Complete S5 Stainless Steel Lens Frame, Painted Zinc Steel Housing		LD Dimming 0-10V	
		G0 1" (15/16") Standard G1 1 1/2" T-Bar G2 2" T-Bar					L3 0.125 White Acrylic (Cell Cast) LH3 0.150 Extra Heavy White Acrylic L4 0.140 50% DR Ext. Prismatic Acrylic (P20) L5 0.125 StarFrost® Acrylic (base) L7 0.125 White Polycarbonate L8 0.156 Prismatic Polycarbonate (P12) L9 0.187 Tempered Glass (P62) ⁴ LJ4 0.020 White Acrylic Overlay (Array Side)		
	2 FT				08L 849 lm (25W) 17L 1699 lm (50W)				BBU 10W Battery Backup, Integral BBU1 12W Battery Backup, Integral BBUR2 20W Battery Backup, Remote ⁵ F1 GLR/HLR Fusing (Fast) F2 GMF/HLR Fusing (Slow) IP65 IP Rated (Requires S5 Option) P11 Guardcraft® Antimicrobial Coating ⁶ T3 Tamper Resistant (Hex w/pin or other) V1 External Gasketing
	4 FT				08L 849 lm (25W) 17L 1699 lm (50W)				
				Selection must match the selected length	Lumens (Typical)				

Footnotes:

¹ NSF Splash Zone luminaires (PMS prefix) may become soiled, but are outside the danger of recontamination

⁴ Only Available with Stainless Steel Lens Frame

⁵ The 20W Battery Backup Remote powers a minimum of 3 luminaires and must be mounted on the outside of the luminaire or in a remote dry/damp location.

⁶ Only Available with White Painted Zinc Steel Finish

CONTACT FACTORY FOR DIFFERENT WAVELENGTHS,
SPECTRUMS, OR DUAL CIRCUITING INFORMATION.

JC-TD-120425

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G2R Series — NSF Food Zone Location

PRODUCT ORDERING CODE

SERIES	LENGTH	MOUNTING	VOLTAGE	COLOR	LUMENS	FINISH	LENS	DIMMING	OPTIONS
PMFG2R			UNV	RD		S3		LD	
PMFG2R NSF Food Zone ²			UNV 120 - 277 VAC					LD Dimming 0-10V	
	2 2 FT			RD Red		S3 Stainless Steel Complete			
	4 4 FT								
		G0 1" (15/16") Standard					L4 0.140 50% DR Ext. Prismatic Acrylic (P20)		
		G1 1 1/2" T-Bar					L5 0.118 StarFrost® Acrylic (base)		
		G2 2" T-Bar					L9 0.187 Tempered Glass (P62) ⁴		
					2 FT	08L 849 lm (25W)			BBU 10W Battery Backup, Integral
						17L 1699 lm (50W)			BBU1 12W Battery Backup, Integral
					4 FT	08L 849 lm (25W)			BBUR2 20W Battery Backup, Remote ⁵
						17L 1699 lm (50W)			F1 GLR/HLR Fusing (Fast)
					Selection must match the selected length	Lumens (Typical)			F2 GMF/HLR Fusing (Slow)
									IP65 IP Rated (Requires S5 Option)
									T3 Tamper Resistant (Hex w/pin or other)
									V1 External Gasketing

Footnotes:

² NSF Food Zone luminaires (PMF prefix) come in DIRECT CONTACT with food

⁴ Only Available with Stainless Steel Lens Frame

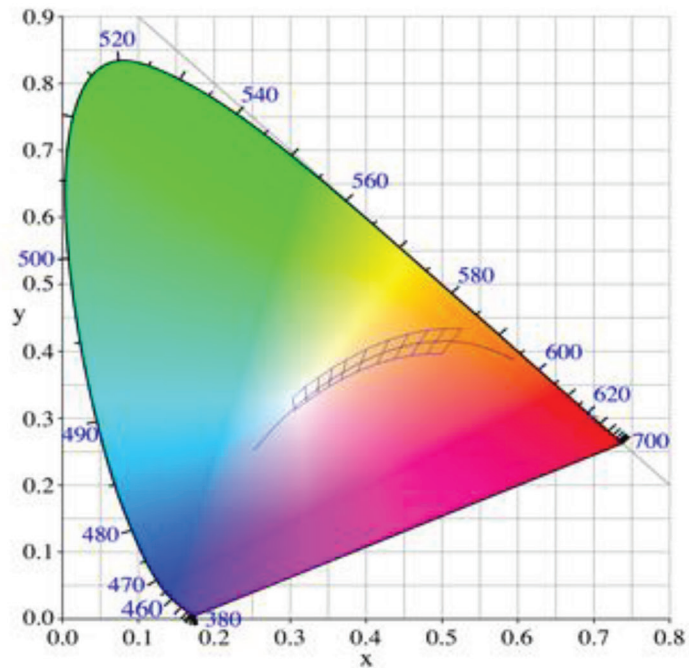
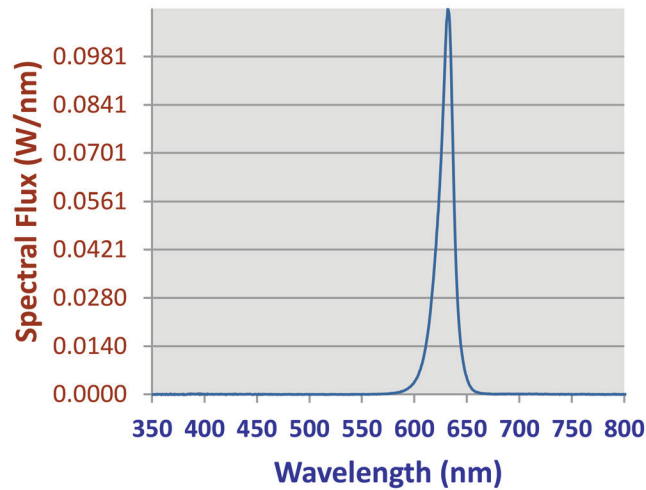
⁵ The 20W Battery Backup Remote powers a minimum of 3 luminaires and must be mounted on the outside of the luminaire or in a remote dry/damp location.

CONTACT FACTORY FOR DIFFERENT WAVELENGTHS, SPECTRUMS, OR DUAL CIRCUITING INFORMATION.

G2R Series

PHOTOMETRICS

Relative Spectral Power Distribution



VIVARIUM RED	
Peak Wavelength	Dominant Wavelength
632.2	622