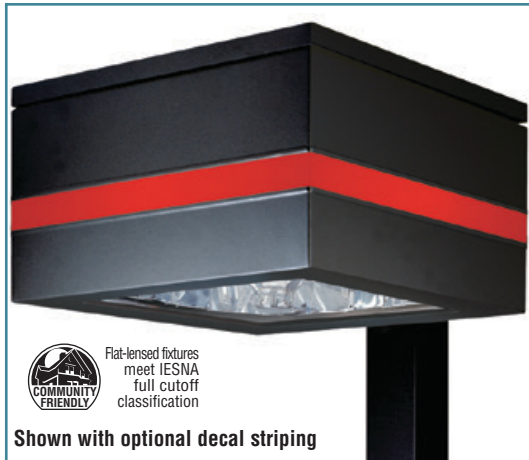


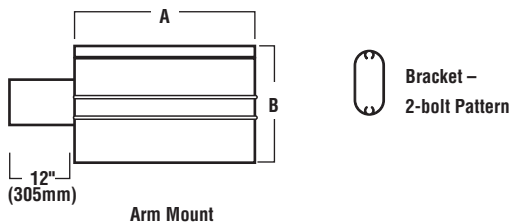
GREENBRIAR® - FLAT LENS (Various reflectors are protected by U.S. Patent No. 6,464,378.)



Flat-lensed fixtures meet IESNA full cutoff classification

Shown with optional decal striping

DIMENSIONS



	A	B
GFM Arm Mount	21-5/8"(549mm)	12-3/4"(324mm)
GFR Arm Mount	21-5/8"(549mm)	16-1/8"(410mm)

LUMINAIRE EPA CHART - Greenbriar Flat Lens		
	GFM 12" Bracket	GFR 12" Bracket
Single	3.2	3.8
D180°	6.3	7.6
D90°	5.7	7.6
T90°	8.8	11.4
TN120°	9.0	11.4
Q90°	11.3	15.2

Note: House Side Shield adds to fixture EPA. Consult factory.

SHIPPING WEIGHTS - Greenbriar Flat Lens				
Catalog Number	Est. Weight (kg/lbs.)	Length (mm/in.)	Width (mm/in.)	Height (mm/in.)
GFM	19/41	635/25	635/25	495/19.5
GFR	26/57	724/28.5	711/28	648/25.5

HOUSING - The aluminum housing is available in two sizes. Both housings are the same dimensions square, however, the GFR is deeper. Both are finished to produce a clean, sharp appearance, and designed to ensure weather-tight construction. Top-access covers provide ease of installation and servicing.

LENS/GASKET - The flat clear tempered glass lens is sealed to the housing with an EPDM gasket, preventing entry of moisture, dust and insects.

TOP COVER FASTENERS - The four captive stainless steel fasteners secure the top-access cover to the housing.

SOCKETS - Porcelain mogul-base sockets. All sockets are pulse-rated.

LIGHT SOURCES - Pulse-Start Metal Halide, Natural White Pulse-Start Metal Halide, Metal Halide Reduced Envelope, or High Pressure Sodium. Clear lamp is supplied as standard.

BALLASTS - Pulse-Start Metal Halide (200, 250, 320, 400, 750 and 1000 watt), 775 watt Natural White Pulse-Start Metal Halide, Metal Halide, and High Pressure Sodium fixtures feature a high-power factor type CWA ballast. The 575 watt Natural White Pulse-Start Metal Halide fixtures feature HX-HPF type ballasts. All ballasts are designed for -20° F operation.

REFLECTORS/DISTRIBUTION PATTERNS

- The series is available in a variety of reflector systems and distribution patterns, all with vertical oriented lamps: **GFR**: Type II (2), Type III (3), Perimeter Forward Throw (FP), Type V (5), Automotive Forward Throw (FA), as well as, ART (Advanced Reflector Technology) optical systems: Automotive Forward Throw (AFT), Automotive Interior (AI), and a high performance Type V (540) for 38' - 42' mounting heights.

GFM: Type II (2), Type III (3), Perimeter Forward Throw (FP), and Type V (5).

All reflectors are field-rotatable, enabling generous flexibility in distribution patterns without moving the fixture. Photometric data is tested in accordance with IESNA guidelines.

BRACKETS - Arm Mount: Use with 5" traditional drilling pattern. 2-1/2" x 5-3/8" x 12" extruded aluminum bracket is shipped standard. An 8" bracket is available for single or D180° configurations, but must be ordered from the Options column of the ordering chart. A Round Pole Plate (RPP2) is required for mounting to 3"-5" round poles. (See Accessory Ordering Information chart.)

FINISHES - Each fixture is finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, white, satin verde green, metallic silver, and graphite.

DECAL STRIPING - LSI offers optional color-coordinated decals in 9 standard colors to accent the fixture. Decal is guaranteed for five years against peeling, cracking, or fading.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



Project Name _____ Fixture Type _____
 Catalog # _____

GREENBRIAR® - FLAT LENS

LUMINAIRE ORDERING INFORMATION



TYPICAL ORDER EXAMPLE: **GFR 5 1000 PSMV F MT PLP 8BK 20**

Luminaire Prefix	Distribution	Lamp Wattage	Light Source	Lens	Line Voltage	Luminaire Finish	Options
Medium Vertical Burn GFM - Arm Mount	2 - Type II	200	PSMV - Pulse-Start Metal Halide 200, 250, 320 Watt	F - Flat Clear Tempered Glass	480 MT - Multi Tap TT - Tri-Tap	BRZ - Bronze BLK - Black PLP - Platinum Plus WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver	8BK - 8" Bracket ² PCI120 - Button-Type Photoelectric Control ³ PCI208 - Button-Type Photoelectric Control ³ PCI240 - Button-Type Photoelectric Control ³ PCI277 - Button-Type Photoelectric Control ³ PCI347 - Button-Type Photoelectric Control ³ LL - Less Lamp
	3 - Type III	250					
Reduced Vertical Burn GFR - Arm Mount	FP - Perimeter Forward Throw	320	PSMVR - Pulse-Start Metal Halide Reduced Envelope 400 Watt	<p>MT - Multi Tap consists of 120V, 208V, 240V and 277V and is prepared for highest voltage. Alternate voltages will require field adjustment.</p> <p>TT - Tri-Tap consists of 120V, 277V and 347V and is shipped standard for Canadian applications and is prepared for highest voltage. Alternate voltages will require field adjustment.</p>	<p>Consult Factory for International Voltages and Light Sources</p>	<p>Color Decals 45 - Light Gold 20 - Charcoal Metallic 55 - Black 94 - Blue Metallic 59 - Dark Green 51 - Dark Red 21 - Tomato Red 50 - White 700 - Aztec Silver Metallic</p>	
	5 - Type V	400					HPS - High Pressure Sodium 250, 400 Watt
	2 - Type II	400	PSMV - Pulse-Start Metal Halide 400, 750, 1000 ¹ Watt				
	3 - Type III	575					
FP - Perimeter Forward Throw	750	NWPSMV - Pulse-Start Metal Halide Natural White 575, 775 Watt	MHR - Metal Halide Reduced Envelope 1000 Watt				
FA - Automotive Forward Throw	775	PSMV - Pulse-Start Metal Halide 750, 1000 ¹ Watt					
5 - Type V	1000		NWPSMV - Pulse-Start Metal Halide Natural White 575, 775 Watt				
Advanced Reflector Technology Optical Systems:	575	MHR - Metal Halide Reduced Envelope 1000 Watt	<p>Consult Factory for International Voltages and Light Sources</p>				
AFT - Automotive Forward Throw	750						
AI - Automotive Interior	775						
540 - Type V (38"-42" Mtg. Ht.)	1000						

FOOTNOTES:

- 1- Tri-Tap not available in 1000 Watt PSMV. Voltage must be specified - 120V, 277V or 347V.
- 2- An 8" bracket can only be ordered with single and D180° configurations.
- 3- On GFR/GFPR photoelectric control can only be used with 400 Watt PSMV.

ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	Order Number
FK120 - Single Fusing	FK120+	GFR/GFM 2 HSS - House Side Shield	4342901++
FK277 - Single Fusing	FK277+	GFR/GFM 3 HSS - House Side Shield	4342902++
DFK208, 240 - Double Fusing	DFK208, 240+	GFR/GFM FP HSS - House Side Shield	4342902++
DFK480 - Double Fusing	DFK480+	GFR/GFPR FA/AFT HSS - House Side Shield	4342902++
FK347 - Single Fusing	FK347+		
RPP2 - Round Pole Plate	162914BLK++		
BKS-BO-WM-* - CLR Wall Mount Plate	123111CLR		

+Fusing must be located in the hand-hole of the pole on GFR Series - not in the fixture. ++ Black only.

HOUSE SIDE SHIELD

