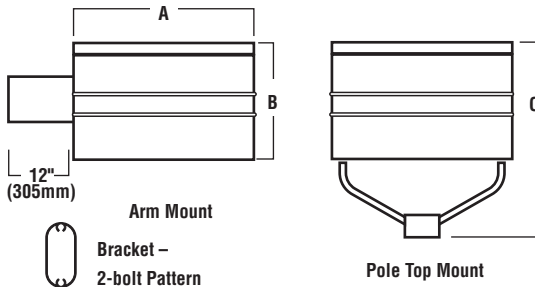


GREENBRIAR® - FLAT LENS (Various reflectors are protected by U.S. Patent No. 6,464,378.)



DIMENSIONS



	A	B	C
GFM Arm Mount	21-5/8"(549mm)	12-3/4"(324mm)	—
GFPM Pole Top	21-5/8"(549mm)	12-3/4"(324mm)	21-15/16"(557mm)
GFR Arm Mount	21-5/8"(549mm)	16-1/8"(410mm)	—
GFPR Pole Top	21-5/8"(549mm)	16-1/8"(410mm)	25"(635mm)

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
Pole Top	3.2	4.0

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
GFPM	24/53	730/28.75	724/28.5	635/25
GFR	26/57	724/28.5	711/28	648/25.5
GFPR	29/64	724/28.5	724/28.5	737/29

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.)

Pole Top: The cast aluminum mounting hub conceals the wiring compartment and mounts directly to LSI's unique "pole-top mounting plate", via a high-strength grade five steel bolt with nylon insert and split lock washer for double locking. Support arms consist of four 11/16" O.D. aluminum rods and are pre-wired for ease of installation.

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.



ARRA
Funding Compliant



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 GFPM - Pole Top ¹	2 - Type II	200	PSMV - Pulse-Start Metal Halide	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 ³ PCI120 - Button-Type Photoelectric Control ⁴ PCI208 - Button-Type Photoelectric Control ⁴ PCI240 - Button-Type Photoelectric Control ⁴ PCI277 - Button-Type Photoelectric Control ⁴ PCI347 - Button-Type Photoelectric Control ⁴ IL - Internal Louver ⁵ LL - Less Lamp
	3 - Type III	250	200, 250, 320 Watt				
Reduced Vertical Burn GFR - Arm Mount GFPR - Pole Top ¹	FP - Perimeter	320	PSMVR - Pulse-Start Metal Halide	MT - Multi Tap consists of 120V, 208V, 240V and 277V and is prepared for highest voltage. Alternate voltages will require field adjustment. 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. Consult Factory for International Voltages and Light Sources			
	Forward Throw	400	Reduced Envelope 400 Watt				
	5 - Type V	400	HPS - High Pressure Sodium				
		400	250, 400 Watt				
	2 - Type II	400	PSMV - Pulse-Start Metal Halide				
	3 - Type III	575	400, 750, 1000 ² Watt				
Advanced Reflector Technology Optical Systems:	750	NWPSMV - Pulse-Start Metal Halide					
	775	Natural White 575, 775 Watt					
	1000	MHR - Metal Halide					
	1000	Reduced Envelope 1000 Watt					
AFT - Automotive Forward Throw AI - Automotive Interior 540 - Type V (38"-42" Mtg. Ht.)	575	PSMV - Pulse-Start Metal Halide					
	750	750, 1000 ² Watt					
	775	NWPSMV - Pulse-Start Metal Halide					
	1000	Natural White 575, 775 Watt					
	1000	MHR - Metal Halide					
	1000	Reduced Envelope 1000 Watt					

FOOTNOTES:

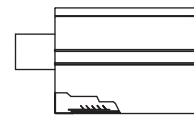
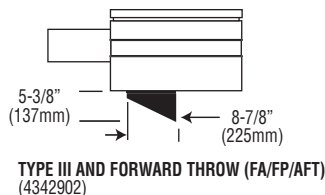
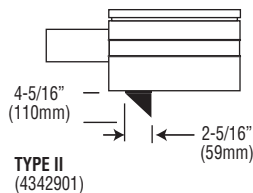
- When ordering pole top fixtures for tenon mounting, a pole top adaptor must be ordered.
- Tri-Tap not available in 1000 Watt PSMV. Voltage must be specified - 120V, 277V or 347V.
- An 8" bracket can only be ordered with single and D180° configurations.
- On GFR/GFPR photoelectric control can only be used with 400 Watt PSMV.
- Available with GFR AFT reflector only. Can be ordered as an accessory, use Order #288116BLK.

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+	GFPR/GFPM 2 HSS - House Side Shield	4342901++
DFK208, 240 - Double Fusing	DFK208, 240+	GFR/GFM 3 HSS - House Side Shield	4342902++
DFK480 - Double Fusing	DFK480+	GFPR/GFPM 3 HSS - House Side Shield	4342902++
FK347 - Single Fusing	FK347+	GFR/GFM FP HSS - House Side Shield	4342902++
RPP2 - Round Pole Plate	162914BLK++	GFPR/GFPM FP HSS - House Side Shield	4342902++
BKS-BO-WM-* - CLR Wall Mount Plate	123111CLR	GFR/GFPR FA/AFT HSS - House Side Shield	4342902++
		GFR/GFPR AFT IL - Internal Louver	288116BLK++

HOUSE SIDE SHIELD

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



GFR WITH INTERNAL HOUSE SIDE SHIELD (288116BLK) (AFT reflector only)

BOTTOM VIEW

