

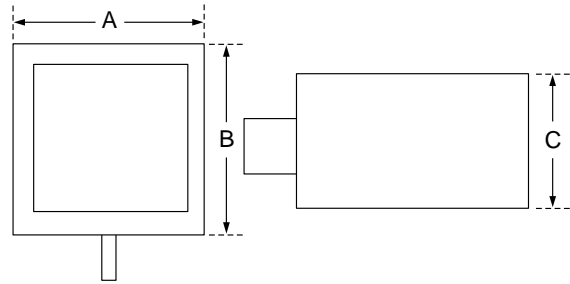
Project Name	Type
Catalog Number	

LumenStar

AREA



Dimensional Drawings



Fixture	A	B	C	Max. Watts	Lbs
LSR-2	19"	19"	12"	400w Flat Glass (Convex Optional)	50
LSR-3	23"	23"	13"	1000w Convex Glass Only	70
LSR-4	23"	23"	15"	1000w Flat Glass Only	75

The **LumenStar** series features the most advanced lighting reflector system available today. Vision™ is a patented, revolutionary new reflector system unlike any other. The flat lens, vertical lamp, IES full cutoff luminaire is certified by the International Dark Sky Association to restrict light trespass, glare and light pollution for neighborhood-friendly outdoor lighting (convex glass lens is available when required).

The clean, compact housing style is architecturally pleasing. A durable polyester powder coat finish in a selection of architectural colors will enhance any application. Computerized precision machinery and quality materials ensure manufacturing to the highest industry standards.

The **LumenStar** series is offered in three enclosure sizes and five distribution patterns including a special forward throw T4A reflector for auto dealership front row lighting. The Vision™ Reflector System allows for the use of fewer fixtures and poles with wider spacing providing substantial equipment, installation and energy cost savings.

The **LumenStar** series is a proven performer for auto dealerships, shopping centers, parking lots, and general area lighting. A wide selection of light sources from 100 watts thru 1000 watts is offered in Metal Halide, High Pressure Sodium and Pulse Start Metal Halide lamp which provides excellent efficiency, lumen maintenance and color.

Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options		
LSR-2 Flat Glass (Convex Glass Optional)	Type II (T2)	150 (150)	PS, HPS	120	Bolt-On Arm 6" (BOA6)	Bronze (BZ)	Photocell & Receptacle *Specify voltage (PCR120) (PCR208) (PCR240) (PCR277) (PCR480)		
		175 (175)	PS	(1)		Black (BK)			
	Type III (T3)	250 (250)	PS, HPS	208		Bolt-On Arm 10" (BOA10) *Supplied for all LSR sizes with D90, T90 & Quad Mounting		White (WH)	Photo Receptacle (PER) *With shorting cap
		320 (320)	PS	(2)				Forest Green (GN)	Button Type Photocell *Specify voltage (PC120) (PC208) (PC240) (PC277)
Type IV (T4)	400 (400)	PS, HPS	240	Spider Mount (SM) *Fits 2 1/4"-3" O.D.	Grey (GY)		Quartz Restrike (QR)		
	*Reduced Envelope Lamp on 400w	(P) (S)	(3)		Silver Metallic (SL)		Fusing *Specify voltage Single in-line fuse (SF120) (SF277) Double in-line fuse (DF208) (DF240) (DF480)		
Type IV-A (T4A) *Not available for LSR-2	400 (400) 750 (750) 1000 (1000) *Reduced Envelope Lamp on 750w and 1000w	MH, PS, HPS (M) (P) (S)	M-Tap (6) *Multi-Tap ballast wired at 277v unless specified		Wall Mount (WM) *Cast Wall Plate (BAWP) to be ordered separately	Custom Color (CC)	House Side Light Shield (LS)		
						LSR-3 Convex Glass	Type V (T5)	347	Round Pole Plate Adaptors (RPP) are to be ordered separately.
750 (750)	PS	(8)	Convex Glass Lens *Option available on AIME-2 only (VLGG)						
1000 (1000)	MH, PS, HPS (M) (P) (S)		Round Pole Plate Adaptor (RPP)						
LSR-4 Flat Glass	Type V (T5)	*Reduced Envelope Lamp on 750w and 1000w	MH, PS, HPS (M) (P) (S)		Cast Wall Plate (BAWP)				

For more detailed information on mounting, wiring, or installation instructions, please consult factory. Note that if Poles are not ordered with fixtures, please specify the mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



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Housing

- All housings are manufactured using technologically advanced computerized numerical control (CNC) machinery. Precision sheared and formed, corrosion resistant aluminum.
- The computerized CNC machinery enables all LumenStar housings to be constructed quickly, efficiently and adhering to exacting ISO 9002 standards. All external hardware is stainless steel.

Lens and Door Assembly

- Removable door assembly is CNC precision sheared and formed from one piece, corrosion resistant aluminum with captive stainless steel fasteners.
- The standard lens is a flat tempered clear safety glass, secured by galvanized lens retainers and sealed with silicone gasketing to provide complete weather and insect protection.
- An optional convex glass lens is available when required.

Vision™ Optical System

- Reflector is precision CNC cut and bent, multi-faceted, segmented, highly efficient, 95% reflective aluminum. Available in five distribution patterns.
- T4A automotive reflector is field rotatable.
- Tool-less reflector entry.

Quali-Guard® Finish

- The finish is a Quali-Guard® textured, chemically pretreated through a multiple stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven baked at 400 degrees Fahrenheit to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.
- Finish is guaranteed for two (2) years.

Mounting

- A rounded extruded aluminum, bolt-on-arm (BOA), with an in-pole nut plate, securing (2) ½ inch zinc running bolts with stainless steel hardware is standard. A Round Pole Plate Adaptor (RPP) is required for mounting to 3" - 5" Round Poles.

Electrical Assembly

- All ballasts are premium grade CWA or HPF regulating auto transformers. Ballast is capable of providing consistent lamp starting down to -20 degrees Fahrenheit. Available in:

- Metal Halide (MH)
- Pulse Start Metal Halide (PS)
- High Pressure Sodium (HPS)
- Induction (IND)


- Socket is glazed porcelain medium or mogul base with nickel plated contacts, rated at 4KV (5KV for 1000 watt) and 600V.

Options

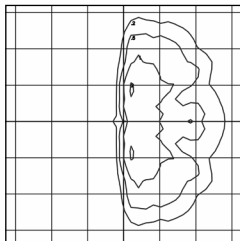
- Twistlock photocell & receptacle
- Buttontype photocell
- Convex glass lens (LSR-2 only)
- Round pole plate adaptor
- Fusing
- House side light shield
- Quartz restrike
- **Internal** light trespass eliminator

Please consult factory for custom options.

Listings

- LumenStar is  listed, suitable for wet locations.
- Dark Sky Friendly® certified by the International Dark Sky Association (flat lens models only).

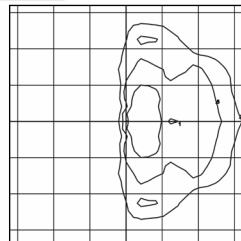
Isolux Curves



Size Two

Type III 400w
PS VLFG
with LTE
33ft Mounting Height

1 Block=33ft

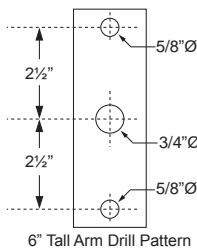
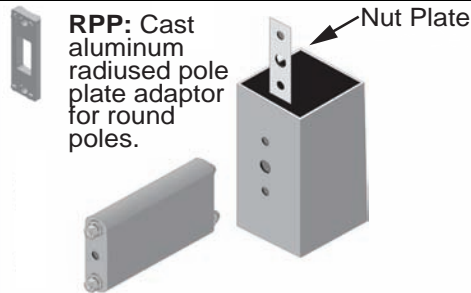


Size Two

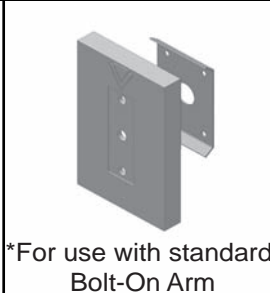
Type IV 400w
PS VLFG
with LTE
33ft Mounting Height

1 Block=33ft

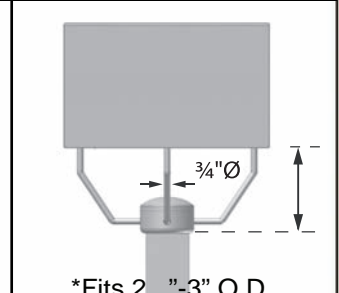
Bolt-On-Arm Detail



Cast Wall Plate



Spider Mount Detail










LSR-2, 3, & 4: 6" or 10" Long x 6" Tall x 2" Wide

BAWP:
10" Tall x 6 1/2" Wide

LSR-2: 8.89" Tall
LSR-3 & 4: 11.5" Tall

EPA Data

Fixture with Arm							Spider Mount 
LSR-2	2.2	4.0	4.4	6.0	5.1	7.1	2.6
LSR-3	3.2	5.8	6.4	8.7	7.4	10.2	3.7
LSR-4	3.4	6.2	6.8	9.2	7.8	10.9	3.9