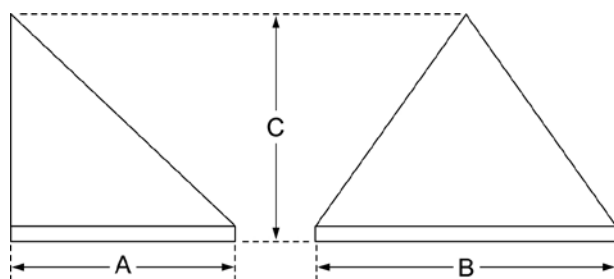


Sahara HID

Project Name	Type
Catalog Number	



Dimensional Drawings



Fixture	A	B	C	Max. Watts	Lbs
SAH-1	16"	16"	16"	150 W	25
SAH-2	20"	20"	20"	250 W	30
SAH-3	24"	24"	24"	400 W	40

The **Sahara** series blends contemporary architectural styling with advanced optics for superior lighting performance. The flat lens, vertical lamp, IES full cutoff luminaire is Dark-Sky certified to restrict light trespass, glare and light pollution.

The pyramid shape of the compact housing compliments the architectural styling of many contemporary buildings. A durable polyester powder coat finish is available in a wide array of architectural colors to enhance the design application.

Sahara is offered in three enclosure sizes and four distribution patterns. A wide selection of light sources from 70 through 400 watts is offered in High Pressure Sodium and Pulse Start Metal Halide. High-

efficiency photometric performance allows for the use of fewer fixtures and poles with wider spacing, providing substantial cost savings.

Sahara is a perfect fixture for city plazas, conference centers, schools, museums, banks, and other architectural projects that benefit from unique architectural lighting.

Also Available in the Sahara Family

SAH-B
Sahara Bollard
(See Bollards Section)



Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
SAH-1	Type II (T2) 	70 (70)	PS HPS (P) (S)	120 (1)	Bolt-On Arm 6" (BOA6)	Bronze (BZ)	<u>Button Type Photocell</u> *Specify voltage (PC120) (PC208) (PC240) (PC277) Fusing *Specify voltage Single in-line fuse (SF120) (SF277) Double in-line fuse (DF208) (DF240) (DF480) Quartz Restrike (QR) Round Pole Plate Adaptor (RPP) Internal Light Shield (ILS) Cast Wall Plate (BAWP)
		100 (100)		208 (2)			
	150 (150)	240 (3)	Wall Mount *Cast Wall Plate (BAWP) to be ordered separately. (WM)	White (WH)			
	Type III (T3) 				277 (4)	Forest Green (FG)	
SAH-2	Type IV (T4) 	200 (200)	PS PS HPS (P) (S)	480 (5)	M-Tap *Multi-Tap ballast wired at 277 V unless specified (6)		Grey (GY)
		250 (250)					
SAH-3	Type V (T5) 	320 (320)	PS PS HPS (P) (S)	347 (8)	Weathered Brown (WB)	Soft Gold (SG)	
		400 *Reduced Envelope Lamp on 400 W (400)					

Unless specified, BOA6 will be supplied for S1 & D180 mounting. BOA10 supplied for all other mounting configurations.

Round Pole Plate Adaptors (RPP) are to be ordered separately.

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify 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.



19645 Rancho Way • Rancho Dominguez, CA • 90220
Tel: (310) 512-6480 • Fax: (310) 512-6486
www.visionairelighting.com



Housing

- The housing and door frame are constructed from corrosion-resistant, (CNC) sheared and formed aluminum.
- All external hardware is stainless steel.

Lens and Door Assembly

- The lens is a clear, tempered, flat glass, fully enclosed and gasketed with premium silicone gasketing, and secured by galvanized lens retainers.

Vision™ Optical System

- Patented Vision™ series high performance, multifaceted, segmented, 95% reflectance, anodized aluminum reflectors.
- Type II, III, IV and V distribution patterns are available.
- Type III reflector is field rotatable in 90° increments.
- 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 °F 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 two half-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 HPF autotransformers, available in High Pressure Sodium and Pulse Start Metal Halide. Ballast is capable of providing consistent lamp starting down to -20 °F.
- Socket is a glazed porcelain medium or mogul base with nickel plated contacts, rated at 4 kV and 600 V.

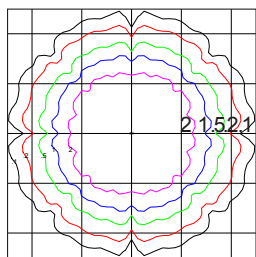
Options

- Button type photocell
- Fusing
- Quartz restrike
- Round pole plate adaptor
- Internal light shield
- Cast wall plate

Listings

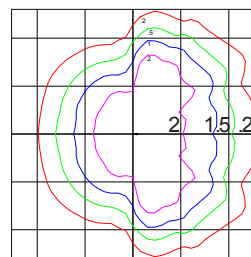
- Sahara is listed, suitable for wet locations.
- Dark-Sky Friendly® certified by the International Dark-Sky Association (flat Lens Type III or Type V models only).
- compliant.
- Powder Coated Tough™
- Vision™ Reflector System (U.S. Patent No. 7,213,948).

Isolux Curves



SAHARA-3
TYPE V
PULSE START OPTICS
250 WATTS

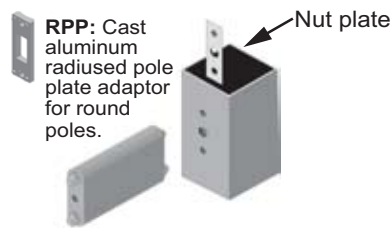
Scale: 1 Square = 45 ft
Initial Light Loss Factor = 1.00
Mounting Height = 28 ft
Arrangement: Double (Back-to-back)



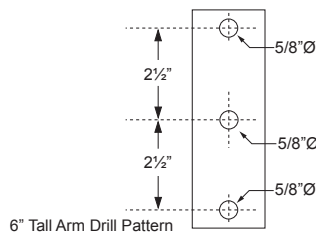
SAHARA-3
TYPE III
PULSE START OPTICS
250 WATTS

Scale: 1 Square = 30 ft
Initial Light Loss Factor = 1.00
Mounting Height = 22 ft
Arrangement: Single

Bolt-On-Arm Detail



6" or 10" long x 6" tall x 2" wide



Cast Wall Plate



*For use with standard Bolt-On Arm

BAWP: 10" tall x 6½" wide

EPA Data

Fixture with Arm						
SAH-1	2.3	4.4	4.6	6.4	5.5	8.0
SAH-2	3.3	6.6	6.6	8.2	7.3	11.2
SAH-3	4.3	8.4	8.6	10.2	9.3	12.9



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