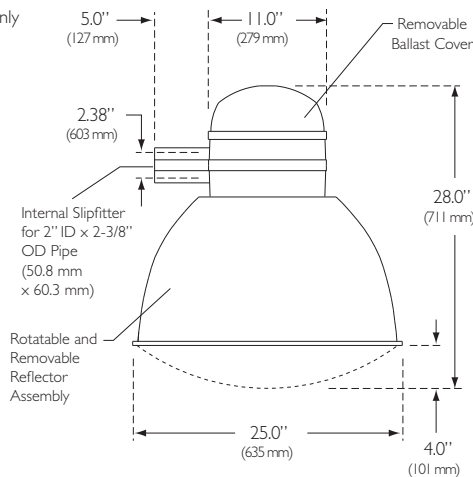


STB-25 Series

StarBay for Sky Mast Lighting System

Type:	Job:	Approvals:
Catalog Number:		
<div>STB-25 - - - - -</div> <div>SeriesSource & WattageDistributionVoltageOptical OptionsElectrical OptionsFinish</div>		
		Date: Page 1 of 2

Overall Dimensions For Reference Only



Specifications

Housing

STB-25 Series' one-piece housing is cast of Type 319 aluminum. The integral cast aluminum fitter slips over 2" nominal pipe and attaches with three stainless steel 0.375" set screws . . . allowing $\pm 3^\circ$ leveling adjustment. The casting is clearly marked to show degrees of rotation to aid in adjusting the rotatable reflector assembly. The top cap is spun of .080" aluminum. All components are made from corrosion-resistant material or have positive corrosion protection. The complete fixture has passed vibration testing with over 50,000 cycles in both the vertical and horizontal planes.

Gasketing

A silicone-impregnated Dacron gasket is used between the reflector and housing. Butyl-acrylic tape sealant is used between the lens and reflector.

Optical Assembly

The optical assembly consists of a one-piece 25" diameter .080" thick spun aluminum reflector and clear glass lens. Reflectors are spun from Type 3002 sheet aluminum, chemically brightened and clear anodized, and have been specially-designed with 288 facets to redirect the light past the lamp's arc tube, preventing lamp voltage from exceeding the lamp manufacturers tolerances. Lamps operate

in the vertical, base up position for maximum lamp life. The 0.1875" thick clear glass lens is fully tempered, and heat-resistant. The lens is fully gasketed and held in place with a stainless steel lens band.

Reflector Mounting

The reflector is mounted on the fixture's housing using a bayonet-style mounting arrangement and is secured with three captive knurled thumb screws.

Rotatable Reflector Optics

The reflector is easily rotated through 360° without the use of tools to facilitate aiming the main beam of non-symmetric distributions. The lamp's socket is nickel plated, spring loaded, porcelain enclosed, and pulse-rated. Two stainless steel safety cables are provided to retain the reflector and lens when lamp replacement is necessary. Re-lamping is easily accomplished without the use of tools.

Ballast

All ballast components are readily-accessible from the top of the luminaire and are mounted on a single plate, which is removable as a complete assembly for ease of maintenance without removing the luminaire from the bracket arm.

CWA ballasts supplied for use with MH and HPS lamps provide $\pm 5\%$ lamp power regulation with $\pm 10\%$ variation from rated input voltage. Ballasts supplied for use with HPS lamps operate within ANSI trapezoidal limits. All wiring within the luminaire is sized to carry 80% of its rated current and is listed by UL for use at 600 VAC.

Finish


Polyester powder coat, electrostatically applied, which is preceded by a five-step pre-treatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1,000 - hour salt spray endurance testing. Finish shall be applied over the aluminum ballast housing and top cap, standard color shall be gray. The standard reflector finish shall be natural anodized aluminum.

Listings

The fixture shall be ETL and cETL Listed, per UL 1598, "suitable for wet locations."

Warranty

Standard 5 Year Limited Warranty

 Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled "Contain Mercury" and/or with the symbol 'Hg'. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at www.lamprecycle.org.

STB-25 Series

StarBay for Sky Mast Lighting System

Type:	Job:	Page 2 of 2
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Series	Source-Wattage	Distribution	Voltage	Optical Options	Electrical Options	Finish
<input checked="" type="checkbox"/> STB-25	Metal Halide <input type="checkbox"/> M1000¹ Pulse Start Metal Halide <input type="checkbox"/> P350 <input type="checkbox"/> P400 <input type="checkbox"/> P450 <input type="checkbox"/> P750 <input type="checkbox"/> P875 <input type="checkbox"/> P1000¹ High Pressure Sodium <input type="checkbox"/> S400 <input type="checkbox"/> S600 <input type="checkbox"/> S750 <input type="checkbox"/> S1000¹	Vertical Optics <input type="checkbox"/> 5V Type V Round <input type="checkbox"/> 5VS Vertical Square <input type="checkbox"/> VR Rectangular <input type="checkbox"/> 4V Forward Throw <input type="checkbox"/> 4VC Forward Throw Full Cutoff	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	<input type="checkbox"/> GSL Glass Sag Lens <input type="checkbox"/> GFL Glass Flat Lens <input type="checkbox"/> OBR Open bottom reflector <input type="checkbox"/> CL80x360^{3,5} Internal 80° vert. x 360° horiz. lens shielding <input type="checkbox"/> CL60x135^{3,5} Internal 60° vert. x 135° horiz. lens shielding <input type="checkbox"/> IL45^{3,4} 45° internal louver VR Optics Only <input type="checkbox"/> IL75^{3,4} 75° internal louver VR Optics Only	<input type="checkbox"/> F1 Single fusing (120V/277/347V) <input type="checkbox"/> F2 Double fusing (208V/240V/480V) <input type="checkbox"/> F3 Double fusing Canadian Double Pull (208V/240V/480V) <input type="checkbox"/> TLR-PC Twist-Lock photocell and receptacle <input type="checkbox"/> PS² Protected Starter <input type="checkbox"/> BL Bi-Level lighting Requires separate switching circuit, consult factory Bi-Level provides high/low level of lamp output with 50% power consumption. Zero crossover network avoids strobing and lamp dropout.	<input type="checkbox"/> TBK Textured Black <input type="checkbox"/> TWHT Textured White <input type="checkbox"/> TGN Textured Green <input type="checkbox"/> TGR Textured Gray <input type="checkbox"/> TDB Textured Dark Bronze <input type="checkbox"/> TSA Textured Satin Aluminum <input type="checkbox"/> CC Custom color (supply color chip)

Notes:

1) Glass flat lens option (GFL) and internal louver option (IL45 and IL75) are unavailable with BT-56 and E-25 lamps.

2) Not applicable for M1000.

3) CL and IL Optical Options cannot be selected together.

4) IL45 and IL75 available only with VR optics, not available with GSL.

5) CL80x360 and CL60x135 not available with OBR.

Distribution guide and ballast data (each)

Distribution	Source & Wattage	Lamp Envelope	Lens Availability	ANSI Code	Line Current 120/208/240/277/347/480	Line Watts
5V / 5VS / VR / 4V / 4VC	M1000	BT-56	GSL or OBR	M47/H36	92 / 56 / 47 / 41 / 32 / 24	1080
5V / 5VS / VR / 4V / 4VC	P350	BT-37	GSL, GFL or OBR	M131	3.7 / 2.1 / 1.8 / 1.6 / 1.3 / 0.9	400
5V / 5VS / VR / 4V / 4VC	P400	BT-37	GSL, GFL or OBR	M135/M155	4.0 / 2.2 / 1.9 / 1.8 / 1.4 / 1.0	456
5V / 5VS / VR / 4V / 4VC	P450	BT-37	GSL, GFL or OBR	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.5 / 1.1	514
5V / 5VS / VR / 4V / 4VC	P750	BT-37	GSL, GFL or OBR	M149	7.0 / 4.0 / 3.5 / 3.0 / 2.5 / 1.7	820
5V / 5VS / VR / 4V / 4VC	P875	BT-37	GSL, GFL or OBR	M166	7.8 / 4.3 / 3.9 / 3.4 / 2.8 / 2.0	945
5V / 5VS / VR / 4V / 4VC	P1000	BT-37	GSL or GFL	M141	9.0 / 5.2 / 4.5 / 3.9 / 3.2 / 2.4	1080
5V / 5VS / VR / 4V / 4VC	S400	ED-18	GSL, GFL or OBR	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.4 / 1.1	467
5V / 5VS / VR / 4V / 4VC	S600	T-16	GSL, GFL or OBR	S106	5.5 / 3.3 / 2.9 / 2.5 / 2.1 / 1.4	670
5V / 5VS / VR / 4V / 4VC	S750	BT-37	GSL, GFL or OBR	S111	6.8 / 4.0 / 3.5 / 3.1 / 2.5 / 1.8	840
5V / 5VS / VR / 4V / 4VC	S1000	E-25	GSL or OBR	S52	9.5 / 5.5 / 4.8 / 4.2 / 3.4 / 2.5	1100

EPA data Effective Projected Area in Ft²

# of fixtures	EPA	# of fixtures	EPA
1	1.99 (0.18 M ²)	7	9.04 (0.84 M ²)
2	3.98 (0.37 M ²)	8	9.95 (0.92 M ²)
3	5.57 (0.52 M ²)	9	10.95 (1.00 M ²)
4	5.97 (0.55 M ²)	10	11.94 (1.10 M ²)
5	6.96 (0.64 M ²)	11	13.02 (1.20 M ²)
6	7.96 (0.74 M ²)	12	13.92 (1.29 M ²)

Weight: **62 lbs.** (28.15 kgs)

Option details



Notes



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