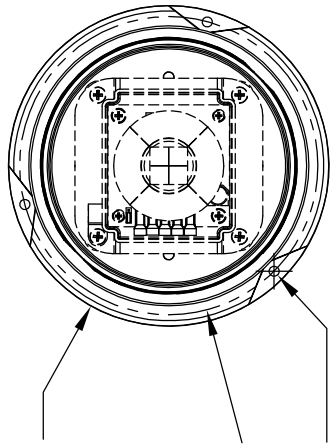
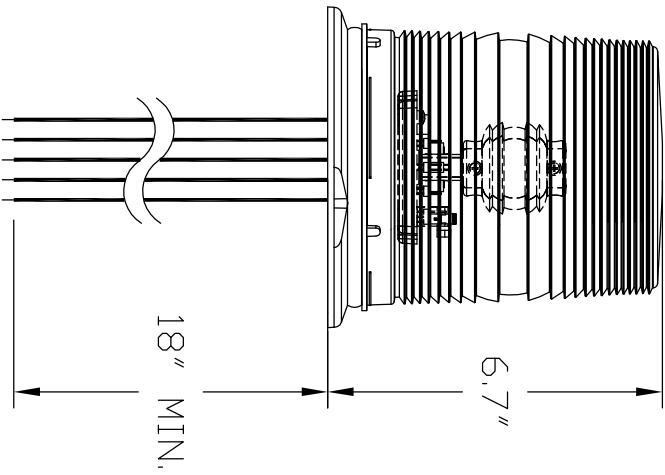


3X Ø0.20  
EVENLY SPACED 120°



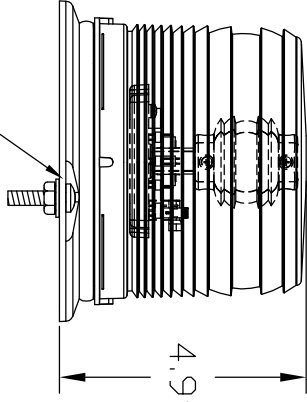
Ø5.95 BOLT CIRCLE

Ø6.40



6.7"

18" MIN.



4.9"

MOUNTING PAD GASKET & HARDWARE  
(PERMANENT MOUNT)

#10 INTERNAL TOOTH LOCK WASHER (SS) (3)  
#10-32 X 1" PHILIPS HEAD SCREW (SS) (3)  
#10-32 HEX NUT (SS) (3)

REV.	ECR	DESCRIPTION	DATE
—	8701	INITIAL DRAWING REQUEST	10/20/09
A	11025	UPDATE LED SPEC.	03/04/13
B	12991	UPDATE LED TOWER IMAGE & SPECIFICATIONS	09/01/15

**SPECIFICATIONS:**

Typical Input Voltage Range: 10–30VDC  
 Typical Current Draw (8 LED Module): 12.8VDC=0.70A / 25.6VDC=0.35A  
 Typical Current Draw (4 LED Module): 12.8VDC=0.60A / 25.6VDC=0.30A  
 Typical Light Output (4 pCamber LED Module): 626 lm(pk) <sup>B</sup>  
 Typical Light Output (4 Blue LED Module): 269 lm(pk) <sup>B</sup>  
 Typical Light Output (4 Red LED Module): 246 lm(pk) <sup>B</sup>  
 Typical Light Output (4 Cool White LED Module): 1139 lm(pk) <sup>A</sup>  
 Typical Light Output (4 Warm White LED Module): 937 lm(pk) <sup>A</sup>  
 Typical Light Output (8 Warm White LED Module): 1311 lm(pk) <sup>A</sup>  
 Typical Light Output (8 Cool White LED Module): 1593 lm(pk) <sup>B</sup>  
 Typical Light Output (8 pCamber LED Module): 895 lm(pk) <sup>A</sup>  
 Lumen maintenance: 85% lumen after 100,000 hours of operation  
 Operating Temperature Range: -40C to 55C  
 Connections: 18 inch (min.) wires exiting the unit.  
 Permanent Mounting Type 1: 3 Hole Pattern 5-61/64" BC  
 Permanent Mounting Type 2: 1 inch NPT  
 Dimensions (Short Dome): 4-3/4" tall x 6-13/32" dia.  
 (Tail Dome): 6-11/16" tall x 6-13/32" dia.  
 Materials: Outer Dome: Polycarbonate  
 Inner Optics: Polycarbonate  
 Base: Polycarbonate  
 Heatsink Materials: Aluminum  
 Mounting Gasket: EPDM Foam Rubber

**Model Numbers / Descriptions**

Classifications for Amber Visual Warning Devices:  
 255H8TCLV-A: SAE Class I, California Title 13, Ultra High Intensity LEDs, vacuum magnetic mount, 8 Warm White LEDs, tall Amber lens w/Dust Cover.  
 255H8TCL-A: SAE Class I, California Title 13, Ultra High Intensity LEDs, flange mount, 8 Warm White LEDs, tall Amber lens w/Dust Cover.  
 255H8TCLV-A: SAE Class I, Ultra High Intensity LEDs, vacuum magnetic mount, 8 Warm White LEDs, tall Amber lens.  
 255H8TCL-A: SAE Class I, Ultra High Intensity LEDs, flange mount, 8 Warm White LEDs, tall Amber lens.  
 255H8TSLV-A: SAE Class I, High Intensity LEDs, vacuum magnetic mount, 8 Warm White LEDs, short Amber lens.  
 255H8TSL-A: SAE Class I, High Intensity LEDs, flange mount, 8 Warm White LEDs, short Amber lens.  
 255HTCLV-A: SAE Class I, High Intensity LEDs, vacuum magnetic mount, 4 Blue LEDs, Tall Clear lens.  
 255HTCL-A: SAE Class I, High Intensity LEDs, flange mount, 4 Blue LEDs, Tall Clear lens.

**Classifications for Blue Visual Warning Devices:**

255HTCL-BC: SAE Class I, High Intensity LEDs, flange mount, 4 Blue LEDs, Tall Clear lens.

Note 1: All specifications based on Quad Flash Pattern.  
 Note 2: All light output specifications are of the internal light module acting alone.

UNLESS OTHERWISE SPECIFIED		DRAWN BY: MD		STAR HEADLIGHT & LANTERN CO., INC.	
DIMENSIONS ARE IN INCHES		DRAWING APPROVED BY ECR		455 Rochester St. Avon NY 14414	
TOLERANCES:		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF STAR HEADLIGHT & LANTERN CO., INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF STAR HEADLIGHT & LANTERN CO., INC. IS STRICTLY PROHIBITED.		Ph:(585) 226-9500 Fax: (585) 226-2029	
ANGULAR: ± 2 DEG.		MODEL: 255HT AND 255H8T MODELS		TITLE: 255 LED SERIES MODEL DRAWING	
± X 100		DWG. NO.		REV	
± XX 120		255HT		B	
± XXX .005		SCALE: 1:2		DD NOT SCALE FROM DRAWING	
± XXXX .001		SHEET 1 OF 1			
REDS COMPLIANT: No					
MATERIAL: N/A					
FINISH: N/A					

- 18 GA RED WIRE (+12-24V)
- 18 GA BLACK WIRE (-GROUND)
- 22 GA GREEN WIRE (PATTERN SELECT)
- 22 GA WHITE WIRE (SYNCHRONIZATION)
- 22 GA PURPLE WIRE (HIGH / LOW)