



- 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)

REV.	ECR	DESCRIPTION	DATE
-	13696	INITIAL DRAWING REQUEST	07/13/16

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)
 Typical Light Output (4 Blue LED Module): 269 lm(pk)
 Typical Light Output (4 Red LED Module): 246 lm(pk)
 Typical Light Output (4 Cool White LED Module): 1139 lm(pk)
 Typical Light Output (4 Warm White LED Module): 937 lm(pk)
 Typical Light Output (8 Warm White LED Module): 1311 lm(pk)
 Typical Light Output (8 Cool White LED Module): 1593 lm(pk)
 Typical Light Output (8 pcAmber LED Module): 895 lm(pk)
 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: 2 Hole Pattern 6-1/4"
 Permanent Mounting Type 2: 1 inch NPT
 Dimensions: (Short Dome): 4-31/32" tall x 5-19/32" dia.
 Dimensions: (Tall Dome): 6-23/32" tall x 5-19/32" dia.

Materials: Outer Dome: Polycarbonate
 Inner Optics: Polycarbonate
 Base: Polycarbonate
 Heatsink Materials: Aluminum
 Mounting Gasket: EPDM Foam Rubber

MOUNTING PAD GASKET & HARDWARE
 (PERMANENT MOUNT)
 #10 LOCK WASHER (SS) (2)
 #10-32 X 1-1/4" SLOT HEAD SCREW (SS) (2)
 #10-32 WELL NUT (2)

Model Numbers / Descriptions
 Classifications for Amber Visual Warning Devices:
 255H8TFL-A: SAE Class I, Ultra High Intensity LEDs, 2 hole flange mount, 8 Warm White LEDs, tall Amber lens.
 255H8TFL-A: SAE Class I, Ultra High Intensity LEDs, 2 hole flange mount, 8 Warm White LEDs, short Amber lens.
 255HTFL-A: SAE Class I, High Intensity LEDs, 2 hole flange mount, 4 Warm White LEDs, tall Amber lens.
 255HTFL-A: SAE Class I, High Intensity LEDs, 2 hole flange mount, 4 Warm White LEDs, short Amber lens.
 255HS1FL-A: SAE Class I, High Intensity LEDs, 2 hole flange mount, 4 Warm White LEDs, short Amber 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
DIMENSIONS ARE IN INCHES		DRAWING APPROVED BY:	ECR
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.	
ANGULAR: ± 2 DEG.		MODEL: 255HTFL AND 255H8TFL MODELS	
± X 100		TITLE: 255 LED SERIES MODEL DRAWING	
± XX 120		DWG. NO.	
± XXX .005		N/A	
± XXXX .001		REV	
Reqs COMPLIANT: No		SCALE: 1:2	
MATERIAL: N/A		DD NOT SCALE FROM DRAWING	
FINISH: N/A		SHEET 1 OF 1	

STAR HEADLIGHT & LANTERN CO., INC.
 455 Rochester St. Avon NY 14414
 Ph:(585) 226-9500 Fax: (585) 226-2029