



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)

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.
 (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:
 255H8TCFL-A: SAE Class I, Ultra High Intensity LEDs, 2 hole flange mount, 8 Warm White LEDs, tall Amber lens.
 255H8TSFL-A: SAE Class I, Ultra High Intensity LEDs, 2 hole flange mount, 8 Warm White LEDs, short Amber lens.
 255HTCFL-A: SAE Class I, High Intensity LEDs, 2 hole flange mount, 4 Warm White LEDs, tall Amber lens.
 255HTSFL-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 DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR: ± 2 DEG. ± .X .100 ± .XX .020 ± .XXX .005 ± .XXXX .001	DRAWN BY:	MD	STAR HEADLIGHT & LANTERN CO., INC.	
			MODEL: 255HTFL AND 255H8TFL MODELS	
TITLE: 255 LED SERIES MODEL DRAWING			DWG. NO.	REV -
RoHS COMPLIANT: No	MATERIAL: N/A		SCALE: 1:2	DO NOT SCALE FROM DRAWING
FINISH: N/A			SHEET 1 OF 1	

Star Headlight provides the best in emergency and warning lighting equipment.