



- MOUNTING HARDWARE**
- 1/4-20 X 4 5/8" FULLY THREADED ROD (2)
 - 1/4 X 1" FENDER WASHER (2)
 - 1/4" RUBBER WASHER (2)
 - 1/4-20 HEX NUT (2)
 - 1/4-20 NYLON INSERT (2)
 - 1/4-20 TOGGLE WING NUT (2)

- 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
—	9322	INITIAL DRAWING REQUEST	09/28/10

SPECIFICATIONS:

Typical Input Voltage Range: 10-30VDC
 Typical Current Draw (8 LED Module): 12.8VDC=0.54A / 25.8VDC=0.27A
 Typical Current Draw (4 LED Module): 12.8VDC=0.42A / 25.8VDC=0.21A
 Typical Light Output (4 Red Amber LED Module): 501 lm(pk)
 Typical Light Output (4 Blue LED Module): 209 lm(pk)
 Typical Light Output (8 Warm White LED Module): 791 lm(pk)
 Typical Light Output (8 Cool White LED Module): 907 lm(pk)
 Typical Light Output (4 Red LED Module): 241 lm(pk)
 Typical Light Output (4 Cool White LED Module): 587 lm(pk)
 Lumen maintenance: 70% lumen after 30,000 hours of operation
 Operating Temperature Range: -40C to 55C
 Connections: 18 inch (min.) wires exiting the unit.
 Permanent Mounting: 2 Hole Pattern 3 1/2" BC
 Materials: Outer Dome: Polycarbonate
 Inner Optics: Polycarbonate
 Base: Spun Aluminum
 HeatSink Material: Aluminum
 Mounting Gasket: E398 Rubber Channel

Model Numbers / Descriptions
 Classifications for Amber/Visual Warning Devices:
 200CHL-A: SAE Class 1, 4pc/amber LEDs
 200CHBL-A: SAE Class 1, High Intensity LEDs, 8 Warm White LEDs

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

UNLESS OTHERWISE SPECIFIED		DRAWN BY: TA		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 200CHL AND 200CHBL MODELS	
± .XX .100				TITLE:	
± .XX .020				200C LED SERIES MODEL DRAWING	
± .XXX .015				DWG. NO:	
± .XXX .001				200CHL	
ROHS COMPLIANT: NO				SCALE: 1:2	
MATERIAL: N/A				00 NOT SCALE FROM DRAWING	
FINISH: N/A				SHEET 1 OF 1	
				REV	