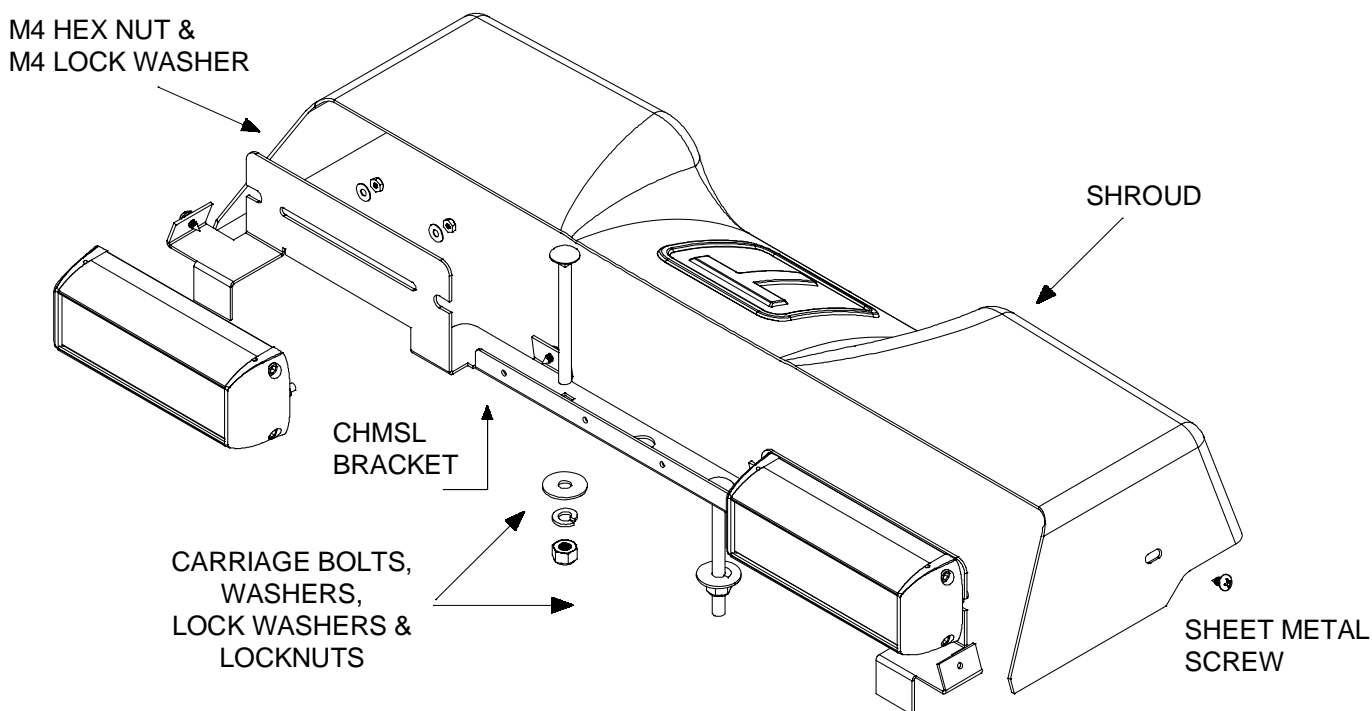


TOMAR

Model RECT-25-CHMSL

Operation & Installation Instructions

Rear Deck Mounted Unit



The TOMAR RECT-25-CHMSL is a self-contained rear deck mounted unit which fits seamlessly around the vehicle's CHMSL light and fits the contour of the rear window. The RECT-25-CHMSL can be used in a Crown Victoria or in a Charger or Impala with slight field modifications to the shape of the Shroud. The RECT-25-CHMSL contains two synchronized RECT25LSZxx-x or RECT25CLSZxx-x lightheads that can be externally synchronized with up to eight additional lightheads. Tomar's RECT-25-CHMSL is available with 6, 9, or 12 LEDs.

UNPACKING

Check the contents of the shipping package and verify that you have received the following items:

QTY	PART#	DESCRIPTION
1.0	M4135-P	BRACKET CHMSL CV RECT25
1.0	M4136	SHROUD CHMSL CV RECT-25
1.0	SA2088	RECT-25-CHMSL POWER CABLE
2.3	H0059	U CHANNEL
2.0	H0406	1/4" FLAT WASHER SS
2.0	H0594	1/4-20 X3" CARRIAGE BOLT
2.0	H0595	1/4-20 SPRING LOCK WASHER
4.0	H0597	#8 X 3/8" SHEET METAL SCREW
2.0	H0598	1/4-20 NYLON LOCKNUT STST

MOUNTING INSTRUCTIONS

- A.** Refer to the drill guide attached. When using as a drill template, verify the dimensional accuracy before use. If these printed instructions have retained the dimensional accuracy - trim the CHMSL region of the template and place around the CHMSL (Center High Mount Stop Light) on the rear deck of the vehicle. Before drilling, locate and verify again the drill guide dimensions with the CHMSL Bracket that is to be installed.
- B.** Protect vehicle components when drilling into the sheet metal. Drill the 1/2" hole for the Cable installation at the center of the CHMSL Bracket. Drill the two 5/16" mounting holes. Remove any metal chips and sharp edges.
- C.** Install the RECT-25-CHMSL Power Cable through the CHMSL Bracket and the 1/2" center hole.
- D.** Secure the CHMSL Bracket by installing the two Carriage Bolts in the 5/16" mounting holes from the top of the vehicles rear deck. Then tighten and secure the Carriage Bolts with the 1/4" Flat Washer, Lock Washer & Nylon Locknut from the truck.
- D.** Secure the Shroud with Qty 2 - # 8 Sheet Metal Screws at the back center. Then secure the Shroud with Qty 2 - # 8 Sheet Metal Screws on each side.

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WIRING INSTRUCTIONS

- A. Select and program the RECT-25-CHMSL flash rate prior to finishing the electrical installation.
- B. Terminate the **Black** wire either on a good Chassis GROUND or at the -12vdc of the vehicle battery.
- C. Connect the **Red** wire through a user-supplied Switch. Connecting the other side of the Switch through a user-supplied 5 amp in-line fuse to the +12vdc of the vehicle battery.
- D. Connect together the **White** synch line of this and any other TOMAR iLED products that you wish to synchronize. If no lamps are to synchronize with the RECT-25-CHMSL isolate the **White** wire from any other connections.

Electrical - Input Voltage	12 thru 28vdc (5 amp in-line fuse recommended)		
Current Draw - in Single Flash 75 FPM Mode @ 12vdc		Wires	
High Power Model	1.8 Amps Average	Red	+12vdc to activate
Standard Power Model	1.4 Amps Average	Black	Connect to chassis GROUND
Low Current Model	0.9 Amps Average	White	Flash Pattern Selection & Sync line

Selecting Flash Rate

Apply the **White** wire to +12vdc and then turn the unit on. Continue to apply +12vdc to the **White** wire for at least 2 seconds. All LED's will flash 3 times to indicate you have entered flash rate selection mode. While maintaining power, remove the **White** wire from the +12vdc and the unit will operate in the currently selected flash rate.

Cycle Forward - Intermittently apply the **White** wire once to the +12vdc then release. Repeat until the desired flash rate is selected.

Cycle Backward - Intermittently apply the **White** wire twice to the +12vdc in less than one second and then release. Repeat until the desired flash rate is selected.

To Reset to Flash Rate # 1 - Apply +12vdc to the **White** wire for at least 3 seconds then release. All LED's will flash 2 times to indicate that you have reset the flash rate selection to rate # 1.

Synchronizing

To synchronize, first select a flash rate. Make sure that all units that are to be synchronized are set to the same flash rate. Unpredictable results will occur if synchronized lamps have different flash rates selected. Connect the **White** synchronization wires of up to 10 iLED lamps. When determining the number of lamps, note that the RECT-25-CHMSL, the 200S-2 & the iLED RECT-79 are equivalent to 2 lamp units. Do not exceed 100 feet of wire between the furthest synchronized units. For best results connect the **Black** lead to Chassis GROUND.

Selectable Flash Patterns (Individual Lamp Flash Rates)

(Phase 0 and Phase 1 alternate)

1. Neobe 150 FPM (Factory Setting)
2. Neobe 75 FPM
3. Double Flash 250 FPM
4. Double Flash 125 FPM
5. Single Flash 375 FPM
6. Single Flash 150 FPM
7. Single Flash 75 FPM
8. Multi Flash 1 (Rate 1, 3, 5, 1)
9. Multi Flash 2 (Rate 2, 4, 6, 7)
10. Demo Mode (Sequences all Flash Rates)

