

PURCHASED COMPONENT KEY FEATURES

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

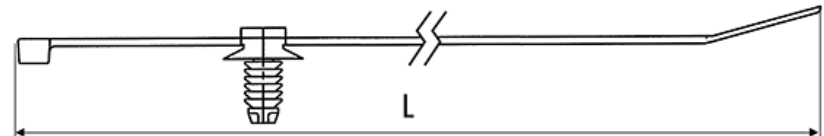
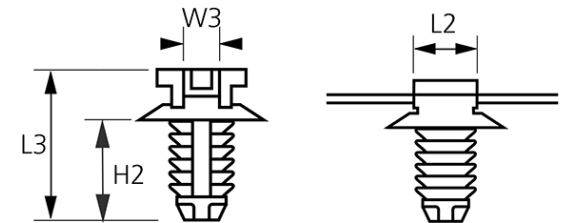
OTHER REQUIREMENTS

- **Roof Bow #2**
- **(5x) WIRE TIE W/CHRISTMAS TREE**
- **1570mm Length**



P-HARRB2

(5x)



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Sheet 1 of 1

TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED

ALL BEND ANGLES ARE 90 DEGREES

ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX)

DO NOT REQUIRE INSPECTION

FEATURES	HOLES/SLOTS	ANGLES
0.0 = ± .125	0.0 = ± .062	0° = ± 2°
0.00 = ± .062	0.00 = ± .031	0.0° = ± 1°
0.000 = ± .031	0.000 = ± .015	

Material Thickness: per ASTM Std.
Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: 24359

CURRENT ECN: 24359

ECN DESCRIPTION:

QE8539 RELEASE MODULAR DOME LIGHTING

REVISED BY: MJF

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
ECHOMASTER FLEET SOLUTIONS

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

P-HARRB2

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

YES

PART / PRODUCT IDENTIFICATION



ADRIAN STEEL

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

A

MAT'L USED: **PURCHASED**

DESIGNED BY: **MJF**

DESCRIPTION:

ROOF BOW HARNESS #2

WEIGHT (Lbs.):

.50

SEGMENT CODE: **EAU**

PART NUMBER: **63482**

PURCHASED COMPONENT KEY FEATURES

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

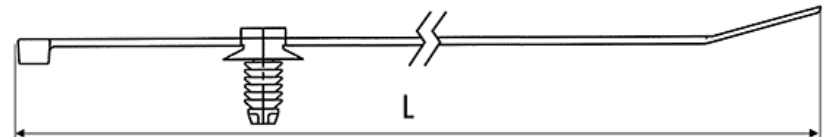
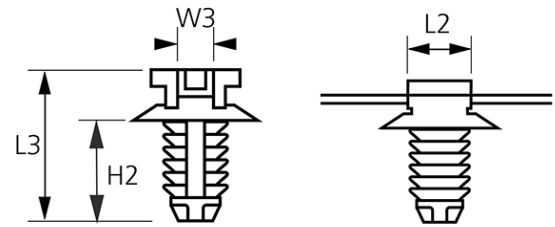
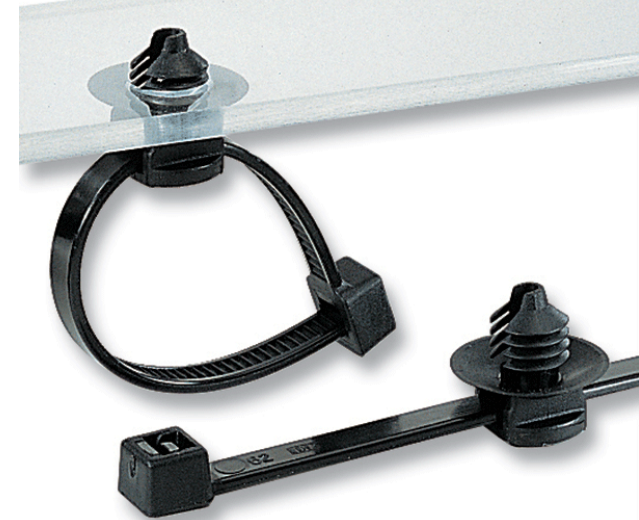
OTHER REQUIREMENTS

- **Roof Bow #3**
- **(5x) WIRE TIE W/CHRISTMAS TREE**
- **2570mm Length**



P-HARRB3

(5x)



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0.000 = ± .031	0.000 = ± .015	

Material Thickness: per ASTM Std.
Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: 24359

CURRENT ECN: 24359

ECN DESCRIPTION:

QE8539 RELEASE MODULAR DOME LIGHTING

REVISED BY: MJF

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
ECHOMASTER FLEET SOLUTIONS

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

P-HARRB3

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

YES

PART / PRODUCT IDENTIFICATION



ADRIAN STEEL

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

A

MAT'L USED: **PURCHASED**

DESIGNED BY: **MJF**

DESCRIPTION: **ROOF BOW HARNESS #3**

WEIGHT (Lbs.):

.50

SEGMENT CODE: **EAU**

PART NUMBER: **63483**

PURCHASED COMPONENT KEY FEATURES

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

Note: Fits 2018-2021 vehicles.



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Sheet 1 of 1

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0.00 = ± .062	0.00 = ± .031	0.0° = ± 1°
0.000 = ± .031	0.000 = ± .015	

Material Thickness: per ASTM Std.
Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: **24870**

CURRENT ECN: **24870**

ECN DESCRIPTION:

QE8672 Release Module LED Harn PM/PMC

REVISED BY: **N/A**

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

AAMP

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

CL-RPM

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

YES

PART / PRODUCT IDENTIFICATION



ADRIAN STEEL®

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

A

MAT'L USED:

DESIGNED BY: **JLT**

DESCRIPTION:

MODULE LED HARN PM/PMC

WEIGHT (Lbs.): **.01**

SEGMENT CODE: **ELE**

PART NUMBER: **64856**



CL-RPM

**Wiring Harness for Cargo Lighting
2015-2022 ProMaster City, 2018-2023 ProMaster, and
2022 ProMaster 1500 Low Roof**

INSTALLATION MANUAL



Thank you for purchasing the **CL-RPM**

Table of Contents

- Page 3** - Tools Required For Installing Additional Accessories
- Page 4** - Ram ProMaster Installation
- Page 7** - Ram ProMaster City Installation
- Page 10 & 11** - Wiring Diagrams

WHAT'S INCLUDED:

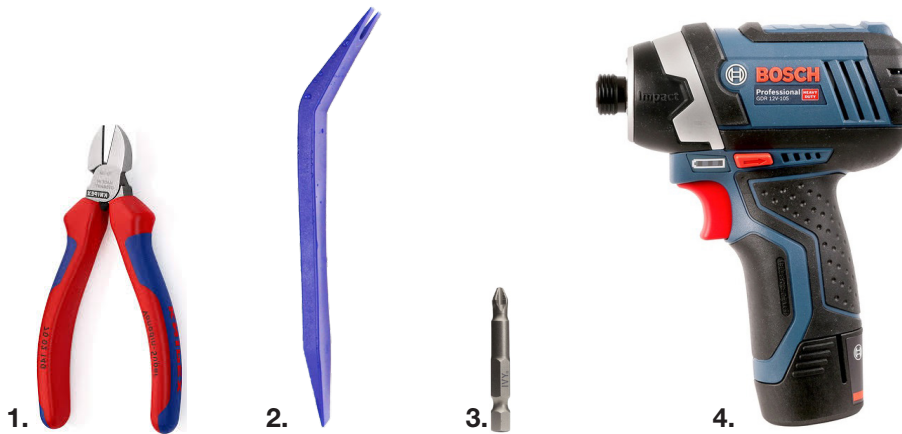
- Vehicle Specific Wire Harness (CL-RPM)

COMPATIBLE ACCESSORIES:

- LED Dome Lamp (STL40489-2)
- 1100mm Roof Bow Harness (P-HARRB1)
- 1570mm Roof Bow Harness (P-HARRB2)
- 2570mm Roof Bow Harness (P-HARRB3)
- 3470mm Roof Bow Harness (P-HARRB4)
- Adapter Harness (CL-ADP)
Note: Required when installing more than 4 lights in a vehicle



TOOLS REQUIRED:



1. Diagonal Cutters
2. Panel Removal Tool
3. Phillips #2 Drill Bit
4. Drill



STEP 1:

Remove the OEM cargo lamp that is located on the passenger side roof line behind the slider door with a panel removal tool.

Notes:

- OEM cargo lamp is located above rear doors on **2022 Ram ProMaster 1500 Low Roof**
- The factory light will no longer be used



STEP 2:

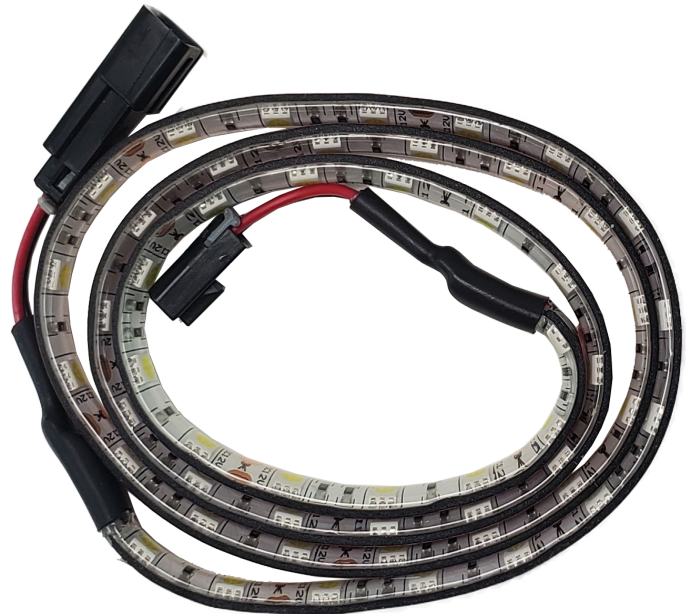
Disconnect the OEM connector from the light and plug it into the CL-RPM harness.



STEP 3:

Install the STL40489 (or alternate CL-xxBLED) lights onto the center of each roof bow; **leave the light connector exposed**

- Peel the red adhesive liners off and stick the light in place
- Use the provided 3/4" screws to secure the STL40489 light to the roof rib.



STEP 4:

Connect the appropriate P-HARRBx roof bow harness to each installed light.

- Refer to the diagrams on pages 10 & 11 to confirm proper P-HARRBx for each roof bow
- Use the provided fir tree cable ties to secure the harness to the vehicle's roof bow
- Trim off excess cable tie material after harness is secure



STEP 5:

Route all P-HARRBx roof bow harnesses alongside the OEM wire harnesses on the passenger side roof line.

- Tuck the harnesses into place; inside vehicle cavities

STEP 6:

Plug all installed P-HARRBx harnesses into the mating connectors on the CL-RPM harness.

- Confirm all installed lights are operational



STEP 1:

Remove the OEM cargo lamp that is located on the passenger side roof line behind the slider door with a panel removal tool

Note: The factory light will no longer be used



STEP 2:

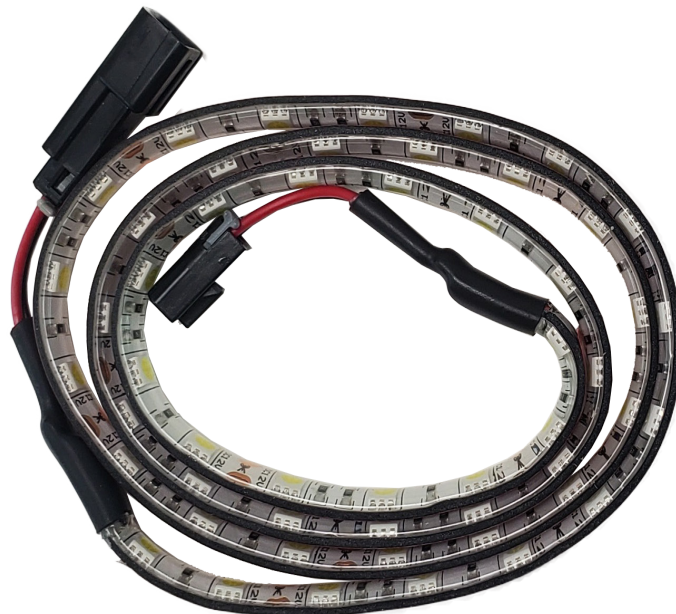
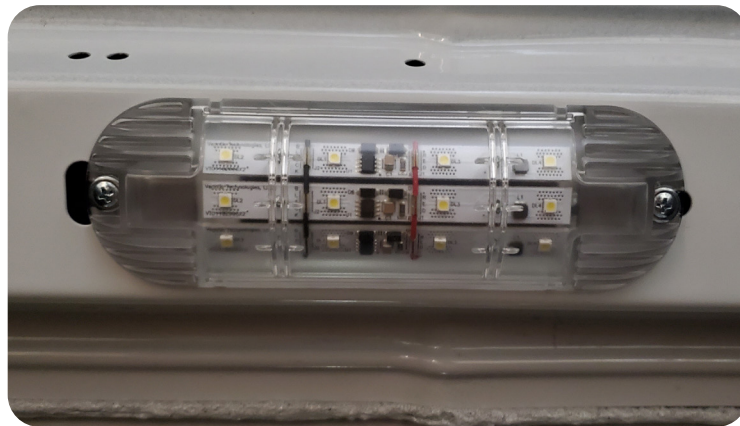
Disconnect the OEM connector from the light and plug it into the CL-RPM Harness



STEP 3:

Install the STL40489 (or alternate CL-xxBLED) lights onto the center of each roof bow; **leave the light connector exposed**

- Peel the red adhesive liners off and stick the light in place
- Use the provided 3/4" screws to secure the STL40489 light to the roof rib.



STEP 4:

Connect the appropriate P-HARRBx roof bow harness to each installed light.

- Refer to the diagram on page 10 to confirm proper P-HARRBx for each roof bow
- Use the provided fir tree cable ties to secure the harness to the vehicle's roof bow
- Trim off excess cable tie material after harness is secure



STEP 5:

Route all P-HARRBx roof bow harnesses alongside the OEM wire harnesses on the passenger side roof line.

- Tuck the harnesses into place; inside vehicle cavities

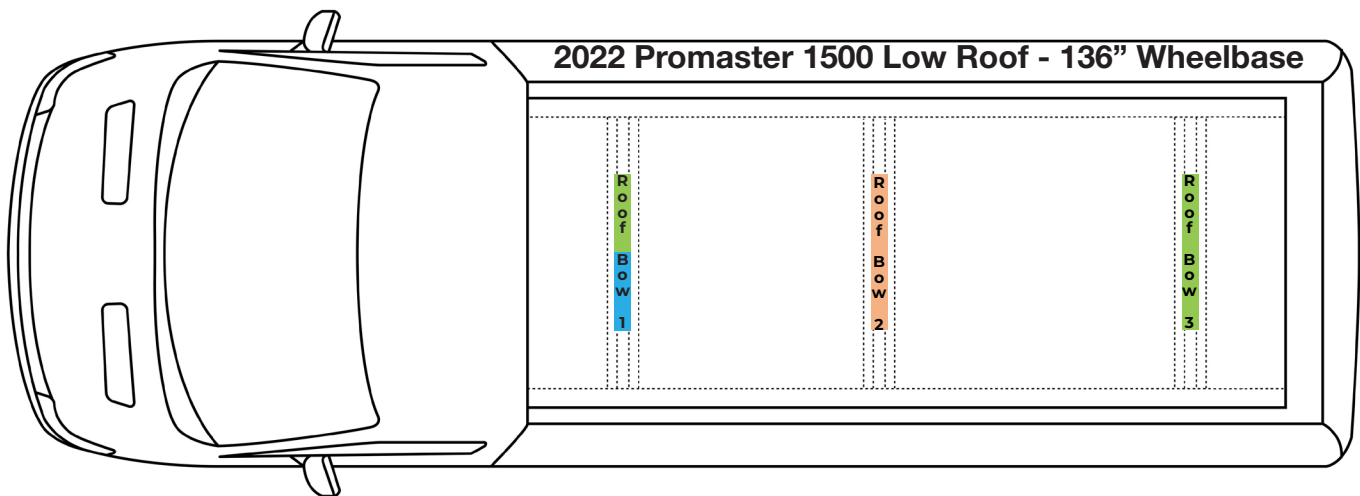
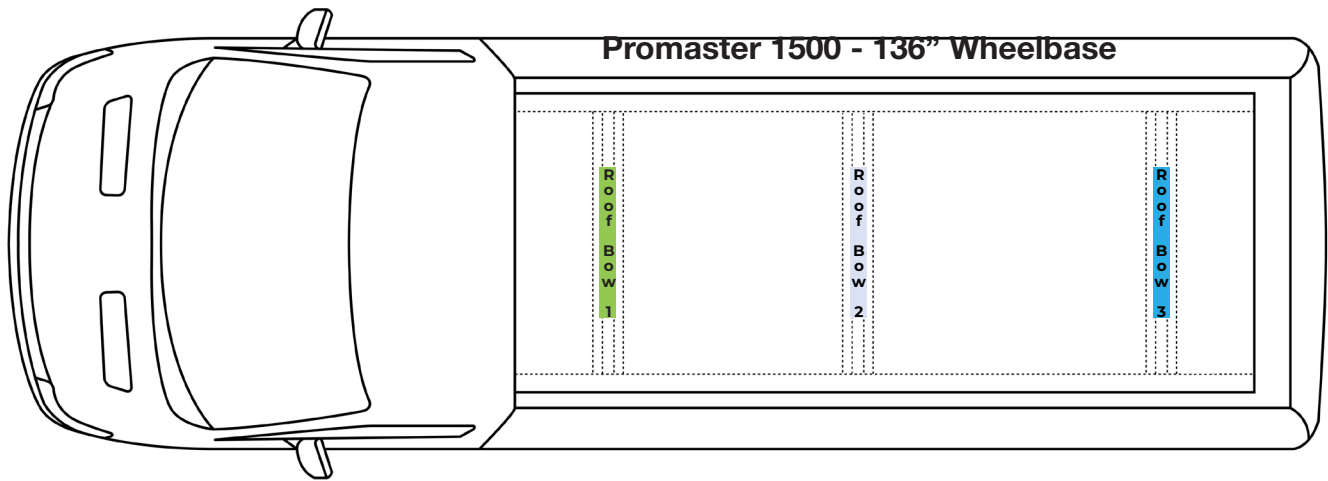
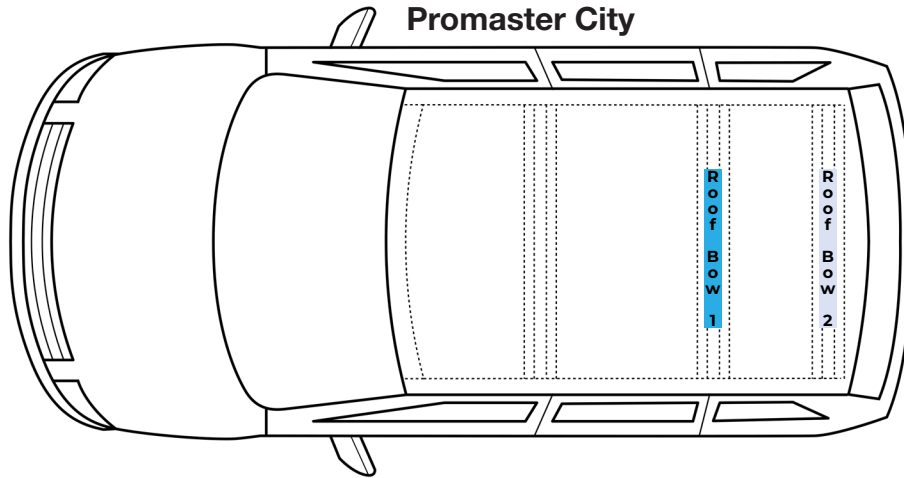
STEP 6:

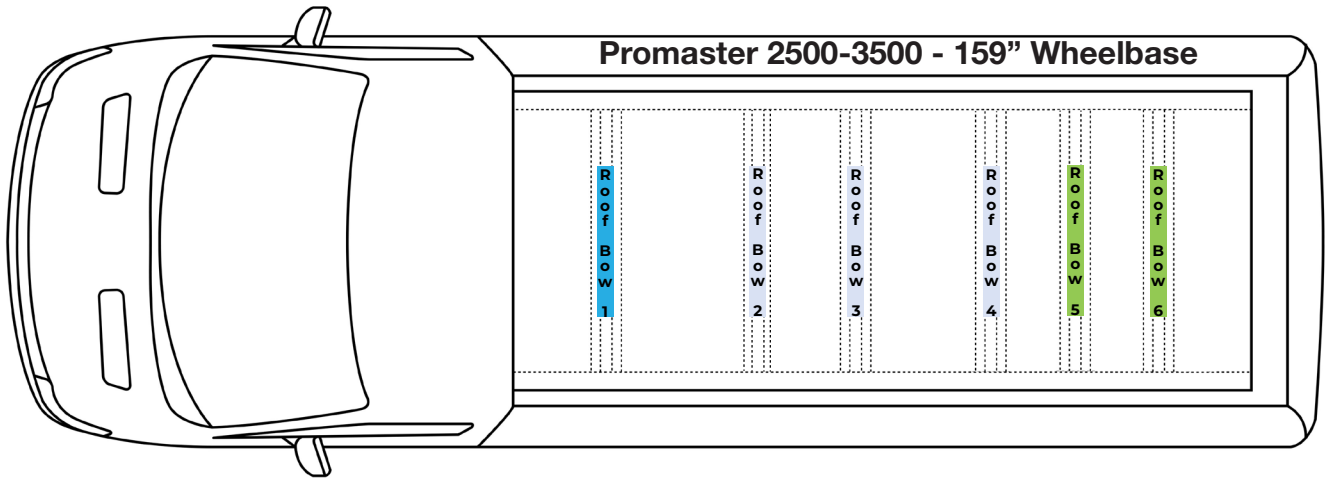
Plug all installed P-HARRBx harnesses into the mating connectors on the CL-RPM harness.

- Confirm all installed lights are operational



Vehicle	Roof Bow 1	Roof Bow 2	Roof Bow 3	Roof Bow 4	Roof Bow 5	Roof Bow 6
Promaster City	P-HARRB2	P-HARRB1	N/A	N/A	N/A	N/A
Promaster 1500 136" WB	P-HARRB3	P-HARRB1	P-HARRB2	N/A	N/A	N/A
Promaster 1500 136" WB (2022)	P-HARRB3 + P-HARRB2	P-HARRB4	P-HARRB3			
Promaster 2500-3500 159" WB	P-HARRB2	P-HARRB1	P-HARRB1	P-HARRB1	P-HARRB3	P-HARRB3







Phone – 866-931-8021 (option 3)

E-Mail – support@echomasterfleetsolutions.com



EchoMaster Fleet Solutions is a Power Brand of AAMP Global

EchoMaster.com

PURCHASED COMPONENT KEY FEATURES

DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

Note:

Connector / Terminal Configuration:

- MALE 2 PIN ON ONE END
- FEMALE 2 PIN ON THE OPPOSITE END.

BOM:

Item	Qty.	Description
1	1	48" WHITE LED STRIP LIGHT W/ADHESIVE
2	2	4" ZIP TIE
3	2	CABLE TIE MOUNT
4	1	ALCOHOL PAD



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TOLERANCES & INSPECTION

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0.00 = ± .062	0.00 = ± .031	0.0° = ± 1°
0.000 = ± .031	0.000 = ± .015	

Material Thickness: per ASTM Std.
Weld Callouts per AWS

RELEASE & REVISIONS

INITIAL ECN: **24697**

CURRENT ECN: **25778**

ECN DESCRIPTION:

Revise Modular Lights With New 3M Adhesive

REVISED BY: **JLT**

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

AAMP

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

CL-48BLED rev.B

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

YES

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Sheet 1 of 1

PART / PRODUCT IDENTIFICATION



ADRIAN STEEL®

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

B

MAT'L USED:

DESIGNED BY: **J. TYNER**

DESCRIPTION:

MODULE DOME LED STRIP 48"

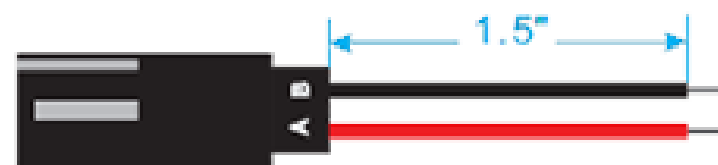
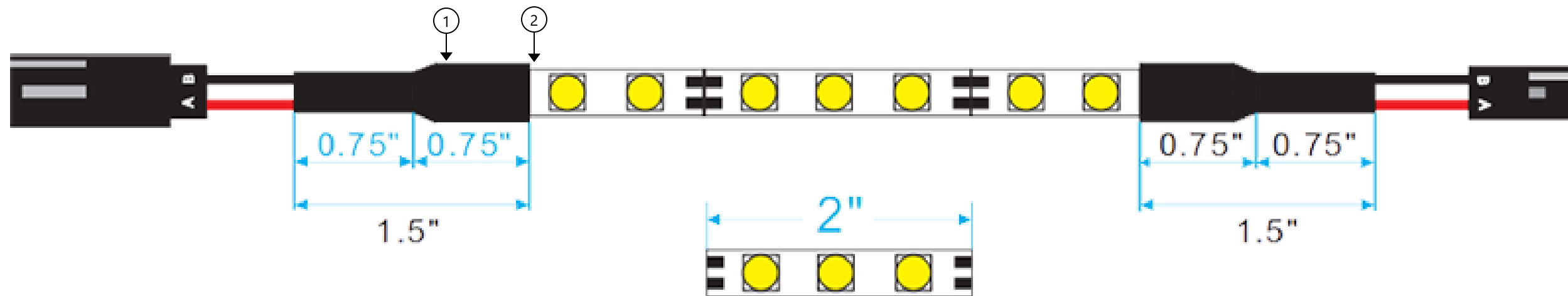
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SEGMENT CODE: **EAU**

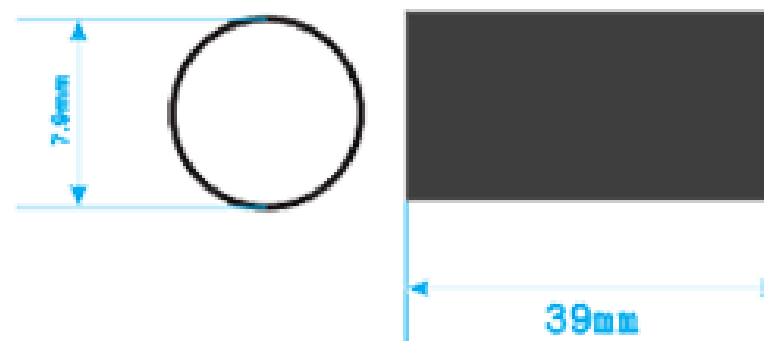
PART NUMBER: **65348**

Notes

- ① 3:1 Adhesive Heat Shrink to be placed over LED Solder Joints
- ② 5925 Adhesive Liner Edges to be exposed next to heat shrink



12"=6X
 24"=12X
 36"=18X
 48"=24X



Revisions

Rev.	Date	Author	Description
A	11/1/21	Bennet Fisher	Initial Drawing
B	7/27/2022	Bennet Fisher	Adhesive changed to VHB 5925

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN MILLIMETERS [INCHES]
 TOLERANCES: ±5MM

PROPRIETARY AND CONFIDENTIAL

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	Name	Date
Designed By	Bennet Fisher	11/1/21
Engineering Approval		
Manufacturing Approval		
Revision Approval		
Quality Assurance		



Part Number: CL-48BLEd	Revision: B
Description: 48" LED Strip	Sheet: 1