



United Pacific

# PROJECTION HEADLIGHT

Item #\*31187, \*31188, \*31224, \*31225, 31254, 31255, 31256, 31257

## Low Beam Adjuster:

Clockwise = Beam UP  
Counter clockwise = Beam DOWN

## High Beam Adjuster:

Clockwise = Beam UP  
Counter clockwise = Beam DOWN



Connect to Original OE Plug

## Normal Fogging / Condensation

This bulletin provides information regarding headlights that may experience fogging or condensation inside of the headlamp assembly. A drop in air temperature may cause condensation to form on the inside of a cool headlamp lens. Generally, fogging is considered normal and can be eliminated by turning on the headlamp with the engine running for several minutes. In most cases, operating the vehicle in normal driving condition will clear the headlamp fogging. Headlamp assembly replacement **WILL NOT** be necessary in most cases.

## Note

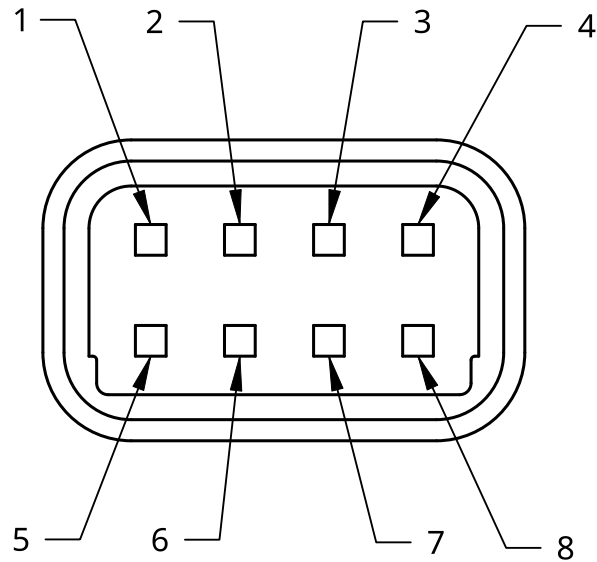
- If any of the following conditions occur, please consult with a professional mechanic to determine the water source:
  - If condensation/fogging fails to dissipate after operating the headlight with the engine running for 30 minutes
  - If water pooled inside the headlamp
- A high pressure washer may also cause water to be forced into the headlamp assembly.

## Optional LED position light bar wiring instruction (3 or 2 loose wire leads):

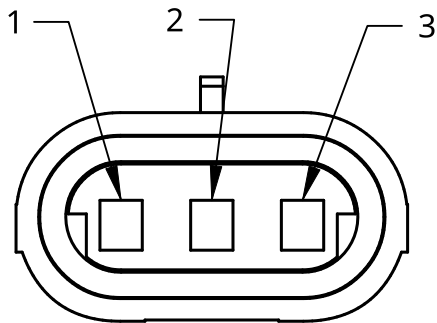
- Brown Wire - Positive wire (dual function version's Low function), must NOT be hooked into any of the OE harnesses. It is recommended this Brown Positive Wire be hooked to a 12v + source independent of the OE light harnesses. Locate a power wire which activates an accessory (e.g. dash auxiliary) when the ignition is in the "ON" position, so that the LED position light only comes on when the truck ignition is "ON" and running.
- \*Yellow Wire - Positive wire (dual function version's High function). Can be use as turn signal, simply tap into truck's signal turn power wire.
- Black Wire - Ground, connects to body of the truck.

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**Connector 1**

Pin#	Wire	Function
1	Empty	Not Used
2	White	High Beam (+)
3	Empty	Not Used
4	Black	Ground (-)
5	Brown	Low Beam (+)
6	Empty	Not Used
7	Empty	Not Used
8	Empty	Not Used

**Connector 2**

Pin#	Wire	Function
1	Yellow	Turn Signal (+)
2	Green	Parking Light (+)
3	Black	Ground (-)

TITLE			
Freightliner Columbia Headlight Pinout			
SIZE	DWG NO.	REV.	
A	10292020		
SCALE	WEIGHT	SHEET	
2:1		1 of 1	

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