

Introducing New LED Headlamps on M2 Plus Series

09/10/2025 • Product News

To: US & Canada, Freightliner Dealer Principals, General Managers, Marketing Managers, Sales Managers, and All Truck Sales Roles

We are pleased to announce that, beginning with the 2027 model year, every M2 106 Plus, eM2, and M2 112 Plus will come pre-selected with all-new LED headlights in SpecPro. These high-performance lamps deliver superior visibility in low-light conditions combined with a significantly longer service life than existing halogen offerings.

These headlights use advanced LED modules to create a broader, more uniform beam pattern that fills both forward and peripheral sightlines, reducing dark spots and improving corner illumination. The turn signal is integrated into the same LED housing, simplifying the system and increasing reliability. An optional heated lens keeps the surface clear of frost and ice automatically. With an expected operational life of 30,000 hours, these LED headlights optimize total cost of ownership by reducing vehicle downtime.

For your convenience, the heated-lens option will be pre-selected in SpecPro (Data Code 312-100) to the 9/11/2025 SpecPro update. In addition, assorted chrome bezel and heated options are also available:

- **312-075 LED LOW BEAM & HIGH BEAM HEADLIGHTS**
- **312-100 LED LOW BEAM & HIGH BEAM HEADLIGHTS W/ INTEGRATED HEATED LENS**
- **312-104 LED LOW BEAM & HIGH BEAM HEADLIGHTS W/ CHROME BEZEL**
- **312-105 LED LOW BEAM & HIGH BEAM HEADLIGHTS W/ HEATED LENS & CHROME BEZEL**
- **312-106 LED LOW BEAM & HIGH BEAM HDLGHTS,W/HEATED LENS, NON-COMP W/FMVSS108 HDLT HT RQ**
- **312-107 LED LOW BEAM AND HIGH BEAM HEADLIGHTS,WITH HEATED LENS, WITH CHROME BEZEL, NON COMPATIBLE WITH FMVSS108 HEADLAMP HEIGHT REQUIREMENT**

For further details and product images, please reference the attached FAB.

[M2 Plus Series | New LED Headlamps | Freightliner](#)

Best Regards,

Medium Duty and Vocational Product Marketing Team



ATTACHMENTS
[Freightliner_M2 Plus LED Headlamp.pptx](#)

SIZE
3225MB

New LED Headlamps on M2 Plus Series



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What is it?

Freightliner is pleased to announce that, beginning with the 2027 model year, every M2 106 Plus, eM2, and M2 112 Plus will come equipped with all-new LED headlights. These high-performance lamps deliver superior visibility in low-light conditions and a longer service life than existing incandescent offerings.

Why is it important?

These all-new headlights utilize LED lighting, providing several operator and maintenance benefits:

- A high-visibility all-LED bulb design, now including the turn signal lamp
- Introducing optional automatic de-icing functionality with no driver intervention required
- Elimination of routine bulb replacements, reducing maintenance and downtime –
 - **Current** halogen low-beam bulb life = up to 1,000 hours
 - **NEW** LED low-beam bulb life = 30,000 hours
- Full backwards compatibility with all previous M2 106, eM2, and M2 112 models



New LED Headlamps Pre-Selected on M2 Plus Series

Models:

- Freightliner M2 106 Plus
- Freightliner M2 112 Plus
- Freightliner eM2

Key Features:

- All LED lamp construction
- Optional de-icing functionality
- Backwards compatibility with all current M2, eM2, and M2 Plus models

Data Codes:

312-075 LED LOW BEAM & HIGH BEAM HEADLIGHTS

312-100 LED LOW BEAM & HIGH BEAM HEADLIGHTS W/ INTEGRATED HEATED LENS

312-104 LED LOW BEAM & HIGH BEAM HEADLIGHTS W/ CHROME BEZEL

312-105 LED LOW BEAM & HIGH BEAM HEADLIGHTS W/ HEATED LENS & CHROME BEZEL

312-106 LED LOW BEAM & HIGH BEAM HDLGHTS,W/HEATED LENS, NON-COMP W/FMVSS108 HDLT HT RQ

312-107 LED LOW BEAM AND HIGH BEAM HEADLIGHTS,WITH HEATED LENS, WITH CHROME BEZEL, NON COMPATIBLE WITH FMVSS108 HEADLAMP HEIGHT REQUIREMENT

High Level Compatibility:

- All M2 106 and M2 112 **legacy** models are backwards compatible with the new **non-heated LED headlights only** with a parameter change.
- All M2 106 and M2 112 **Plus** Models are backwards compatible with heated or non-heated lenses without parameter changes.