

LED Headlight - Model 8770 Locomotive

PRODUCT INFORMATION

| | |
|--------------------------------------|--|
| Description | 24-110V LED Locomotive Headlight with Warm White leds and Heated Lens with no EOL. AU & ROW use |
| Height | 176.50 mm / 6.95 in |
| Width | 176.50 mm / 6.95 in |
| Depth | 101.00 mm / 3.98 in |
| Shape | Round |
| Outer Lens Material | Polycarbonate |
| Outer Lens Color | Clear |
| Housing Material | Aluminum |
| Housing Color | Gray |
| Bezel Color | Black |
| Mounting Type | Panel |
| Retrofits | 2D1 "PAR56" or 7" Round Headlights |
| Minimum Operating Temperature | -40 °C / -40 °F |
| Maximum Operating Temperature | 65 °C / 149 °F |
| Product Weight | 2.60 lbs / 1.18 kgs |
| Shipping Weight | 3.06 lbs / 1.39 kgs |
| Additional Information | EN 55011: 2007 IEC 61000-4-5: 2014 EN 61000-4-3 EN 61000-4-4: 2012 EN 50155_2007 Additional Transient: 1500V chassis to ground short protection |



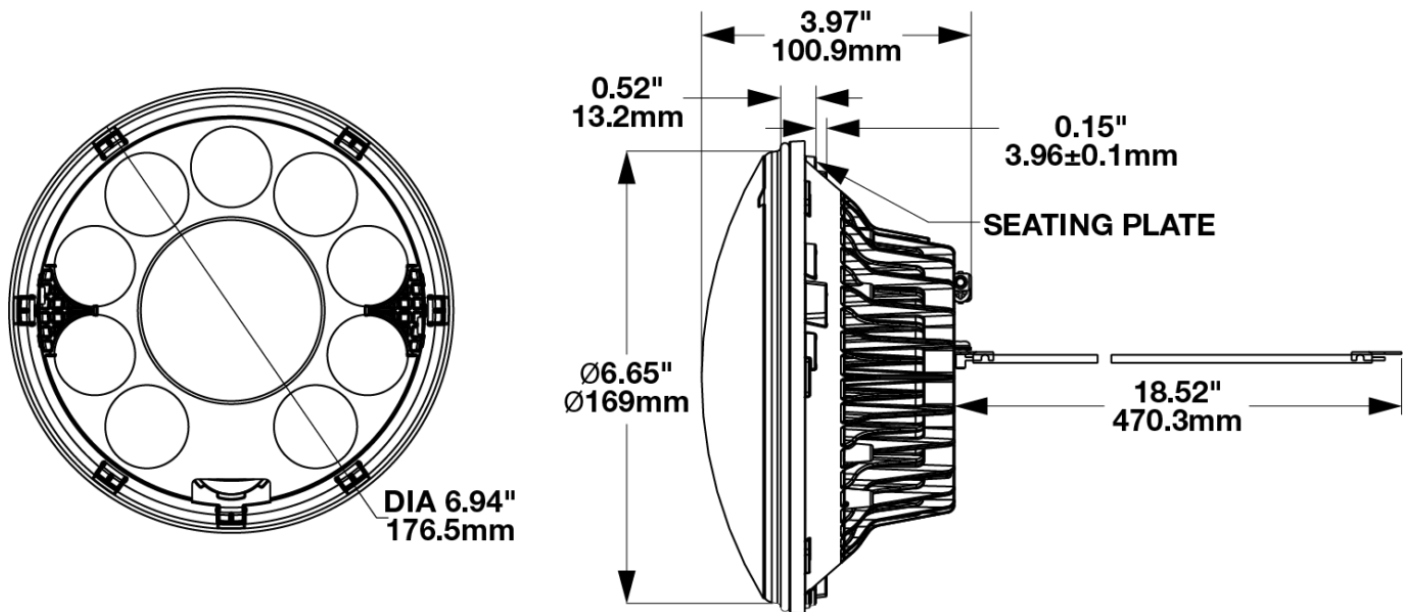
Print date: 2026-06-17

© 2026 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

J.W. SPEAKER 
Engineered. Lighting. Solutions.

LED Headlight - Model 8770 Locomotive

PRODUCT DIMENSIONS



ELECTRICAL SPECIFICATIONS

| | |
|--------------------------|---|
| Input Voltage | 24-110V DC |
| Operating Voltage | 18-130V DC |
| Current Draw | 3.20A @ 24V DC (High Output) 1.20A @ 75V DC (High Output) 0.85A @ 110V DC (High Output) 2.60A @ 24V DC (Low Output) 0.85A @ 75V DC (Low Output) 0.75A @ 110V DC (Low Output) |

Print date: 2026-06-17

© 2026 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

LED Headlight - Model 8770 Locomotive

REGULATORY STANDARDS COMPLIANCE



Buy America Standards

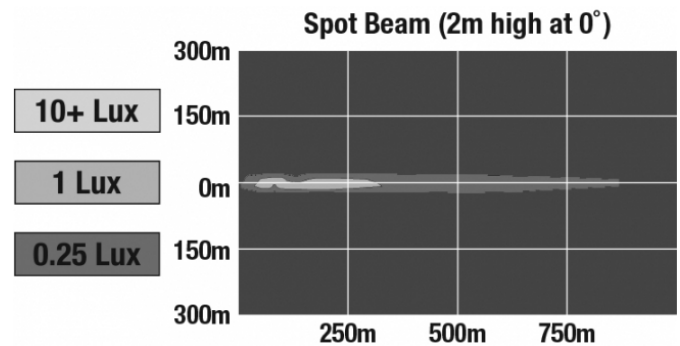
Eco Friendly

FRA Title 49 CFR 229.125 (a) FRA Title 49 CFR 229.125 (b)

FRA Title 49 CFR 229.125 (d) IEC IP66
(2)

PHOTOMETRIC SPECIFICATIONS

| | |
|-------------------------------|----------------------------|
| Raw Lumen Output | High: 3,450, Low: 640 |
| Effective Lumen Output | High: 2,400, Low: 240 |
| Candela Output | High: 200,000, Low: 20,000 |
| Beam Pattern(s) | Forward Lighting - Spot |



PRODUCT WARNINGS

For California residents:

⚠ **WARNING:** Cancer and reproductive harm - www.P65Warnings.ca.gov.

⚠ **AVERTISSEMENT:** Cancer et effet nocif sur la reproduction - www.P65Warnings.ca.gov.

Print date: 2026-06-17

© 2026 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

LED Headlight - Model 8770 Locomotive

ACCESSORIES



Part Number
8201111

Black Polycarbonate
Bucket for 7" Round
(PAR56) Headlight

LED Headlight - Model 8770 Locomotive

RELATED PRODUCTS



Part Number
0551901
24-110V LED
Locomotive Headlight
with Spot Beam
Pattern & Heated Lens



Part Number
0554601
24-110V LED
Locomotive Headlight
with Spot Beam
Pattern



Part Number
0555711
24-110V LED
Locomotive Headlight
with Cool White leds.
AU & ROW use



Part Number
0556571
24-110V LED
Locomotive Headlight
with Cool White leds &
Heated Lens. AU &
ROW use.



Part Number
0561031
24-110V LED
Locomotive Headlight
with Warm White Spot
Beam Pattern &
Heated Lens



Part Number
0561051
24-110V LED
Locomotive Headlight
with Warm White leds
with no EOL. AU &
ROW use



Part Number
0561061
24-110V LED
Locomotive Headlight
with Warm White Spot
Beam Pattern