

# LED Headlight - Model 8770 Locomotive

## PRODUCT INFORMATION

<b>Description</b>	24-110V LED Locomotive Headlight with Spot Beam Pattern & Heated Lens
<b>Height</b>	170.00 mm / 6.69 in
<b>Width</b>	170.00 mm / 6.69 in
<b>Depth</b>	103.00 mm / 4.06 in
<b>Shape</b>	Round
<b>Outer Lens Material</b>	Polycarbonate
<b>Outer Lens Color</b>	Clear
<b>Housing Material</b>	Aluminum
<b>Housing Color</b>	Gray
<b>Bezel Color</b>	Black
<b>Mounting Type</b>	Panel
<b>Retrofits</b>	2D1 "PAR56" or 7" Round Headlights
<b>Minimum Operating Temperature</b>	-40 °C / -40 °F
<b>Maximum Operating Temperature</b>	65 °C / 149 °F
<b>Connector or Wiring</b>	Standard Sealed Beam Style Screw Terminals
<b>Product Weight</b>	2.60 lbs / 1.18 kgs
<b>Shipping Weight</b>	3.10 lbs / 1.41 kgs
<b>Additional Information</b>	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



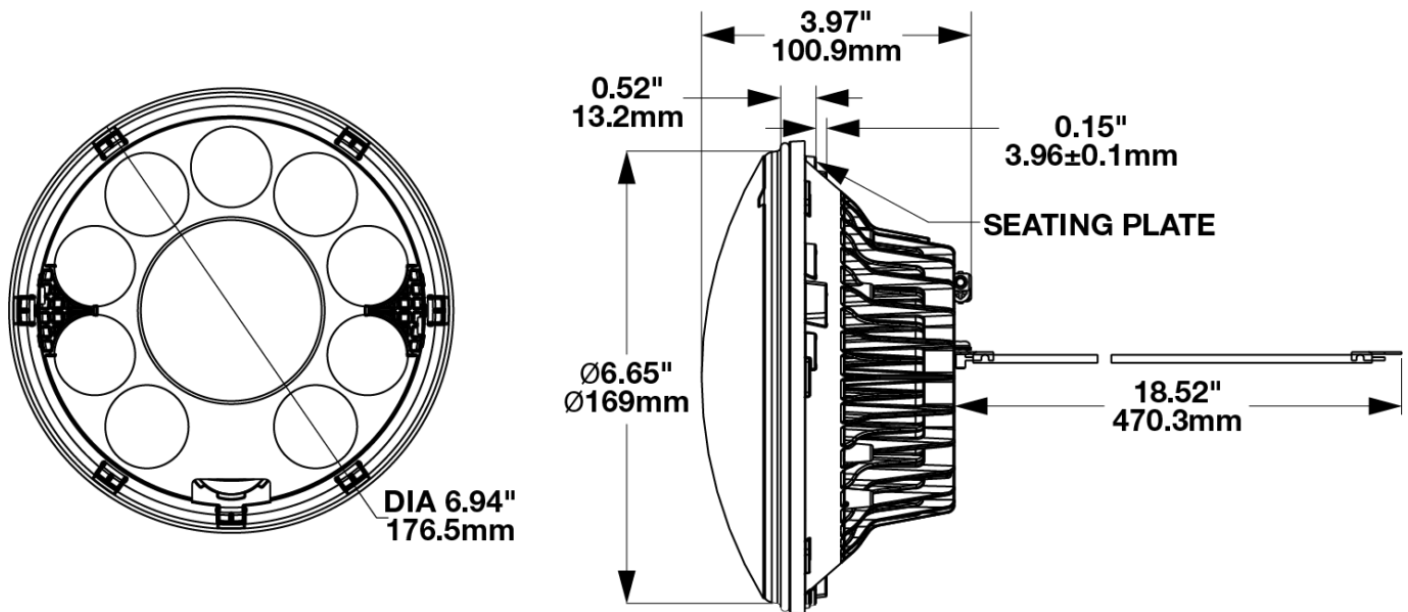
**Print date: 2024-11-12**

© 2024 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

<b>Input Voltage</b>	24-110V DC
<b>Operating Voltage</b>	18-130V DC
<b>Transient Spike Protection</b>	330V Peak @ 1 HZ-100 Pulses
<b>Current Draw</b>	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: 2024-11-12

© 2024 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

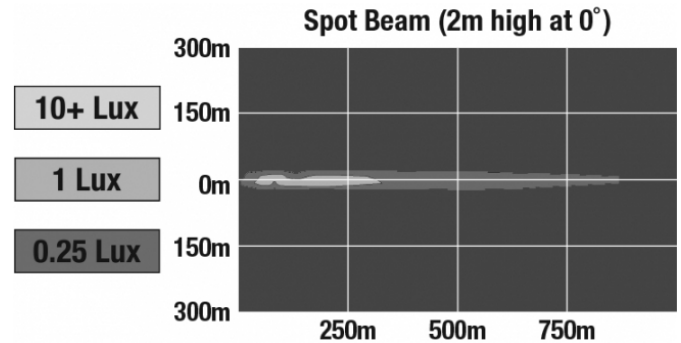
FRA Title 49 CFR 229.125 (a) FRA Title 49 CFR 229.125 (b)

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

Tested to ECE Reg. 10  
(Radiated Emissions only)

## PHOTOMETRIC SPECIFICATIONS

<b>Raw Lumen Output</b>	2,200
<b>Effective Lumen Output</b>	1,800
<b>Candela Output</b>	230,000
<b>Nominal LED Color Temperature</b>	5100 K
<b>Beam Pattern(s)</b>	Forward Lighting - Spot



## APPLICATIONS



Print date: 2024-11-12

© 2024 J.W. Speaker Corporation • Germantown, WI U.S.A.  
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

# LED Headlight - Model 8770 Locomotive

## PRODUCT WARNINGS

---

For California residents:

⚠ **WARNING:** Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ **AVERTISSEMENT:** Cancer et effet nocif sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## RELATED PRODUCTS

---



**Part Number**  
**0554601**

24-110V LED  
Locomotive Headlight  
with Spot Beam  
Pattern



**Part Number**  
**0561031**

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



**Part Number**  
**0561061**

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

---

**Print date: 2024-11-12**

© 2024 J.W. Speaker Corporation • Germantown, WI U.S.A.  
[www.jwspeaker.com](http://www.jwspeaker.com) • [speaker@jwspeaker.com](mailto:speaker@jwspeaker.com) • 262.251.6660