

LED Headlights - Model 8700 Evo 2 Dual Burn

PRODUCT INFORMATION

Description	12-24V DOT LED High & Low Beam Headlight with Chrome Inner Bezel - Single Light
Height	176.53 mm / 6.95 in
Width	176.53 mm / 6.95 in
Depth	99.82 mm / 3.93 in
Shape	Round
Outer Lens Material	Polycarbonate
Outer Lens Color	Clear
Housing Material	Die-Cast Aluminum
Housing Color	Black
Bezel Color	Chrome
Retrofits	2D1 "PAR56" or 7" round headlights
Minimum Operating Temperature	-40 °C / -40 °F
Maximum Operating Temperature	65 °C / 149 °F
Connector or Wiring	H4
Mating Connector	H4 AMP#172615-2
Product Weight	2.31 lbs / 1.05 kgs
Shipping Weight	3.50 lbs / 1.59 kgs



Print date: 2025-07-03

© 2025 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 Headlights - Model 8700 Evo 2 Dual Burn

PRODUCT DIMENSIONS



ELECTRICAL SPECIFICATIONS

Input Voltage	12-24V DC
Operating Voltage	9-32V DC
Transient Spike Protection	150V Peak @ 1 HZ-100 Pulses
Black Wire	Ground
White Wire	High Beam
Yellow Wire	Low Beam
Current Draw	3.50A @ 12V DC (High Beam) 2.00A @ 12V DC (Low Beam) 1.80A @ 24V DC (High Beam) 1.10A @ 24V DC (Low Beam)

Print date: 2025-07-03

© 2025 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

LED Headlights - Model 8700 Evo 2 Dual Burn

REGULATORY STANDARDS COMPLIANCE



Buy America Standards

Eco Friendly

FMVSS 108 s10.1 (Table XIX)

FMVSS 108 s10.1 (Table XVIII)

IEC IP67

PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output	3,200 (High Beam); 1,770 (Low Beam)
Effective Lumen Output	1,260 (High Beam); 750 (Low Beam)
Candela Output	71,500 (High Beam) 35,003 (Low Beam)
Nominal LED Color Temperature	5000 K
Beam Pattern(s)	Forward Lighting - High Beam (DOT) Forward Lighting - Low Beam (DOT)



Print date: 2025-07-03

© 2025 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

LED Headlights - Model 8700 Evo 2 Dual Burn

APPLICATIONS



ADDITIONAL INFORMATION

Headlight must be securely mounted and properly aimed such that the beam pattern cut off line complies with all applicable regulations. If you are not familiar with the legal requirements for aiming your headlights, please see a professional service provider. We recommend that headlights are aimed with a headlight aiming system for proper alignment.

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: 2025-07-03

© 2025 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 Headlights - Model 8700 Evo 2 Dual Burn

ACCESSORIES



Part Number
8000381

H4/H4 Anti-Flicker
Harness for J.W.
Speaker LED
headlights



Part Number
3156351

Mounting Ring Kit for
7" Round (PAR56)
Headlights



Part Number
3266081

Jumper Harness
H4/H13 for 8700
Evolution & 8710
Series



Part Number
8000311

Anti-Flicker Harness
H4/H13 for 8700
Evolution Series
Headlights



Part Number
8200411

Wire Harness for 7"
Motorcycle Headlights



Part Number
8200791

Thomas Built Bus
7 inch Headlight
Mounting Kit



Part Number
8201111

Black Polycarbonate
Bucket for 7" Round
(PAR56) Headlight

LED Headlights - Model 8700 Evo 2 Dual Burn

RELATED PRODUCTS



Part Number
0554941

12-24V DOT LED High
& Low Beam Headlight
with Black Inner Bezel
- Single Light



Part Number
0554981

12-24V DOT LED High
& Low Beam Headlight
with Black Inner Bezel
& Mounting Ring -
Single Light



Part Number
0554991

12-24V DOT LED High
& Low Beam Headlight
with Chrome Inner
Bezel & Mounting Ring
- Single Light



Part Number
0556281

12-24V DOT LED High
& Low Beam Heated
Headlight with Black
Inner Bezel - Single
Light



Part Number
0556291

12-24V DOT LED High
& Low Beam Heated
Headlight with Chrome
Inner Bezel - Single
Light



Part Number
0556301

12-24V ECE LED RHT
High & Low Beam
Heated Headlight with
Black Inner Bezel -
Single Light - FP & DRL



Part Number
0556311

12-24V ECE LED RHT
High & Low Beam
Heated Headlight with
Chrome Inner Bezel -
Single Light - FP&DRL