PART NUMBER 0554481

LED Headlights - Model 8910 Evolution 2

PRODUCT INFORMATION

Description	12-24V DOT/ECE LED RHT High & Low Beam Heated Headlight with Black Inner Bezel
Height	141.99 mm / 5.59 in
Width	199.90 mm / 7.87 in
Depth	95.00 mm / 3.74 in
Shape	Rectangular
Outer Lens Material	Polycarbonate
Outer Lens Color	Clear
Housing Material	Die-Cast Aluminum
Housing Color	Black
Bezel Color	Black
Retrofits	2B1 5" X 7" 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	2.74 lbs / 1.24 kgs
Shipping Weight	3.89 lbs / 1.76 kgs



8910 EVOLUTION 2

SmartHeat
HEATED LIGHTING TECHNOLOGY

Print date: 2026-11-06

© 2026 J.W. Speaker Corporation • Germantown, WI U.S.A.

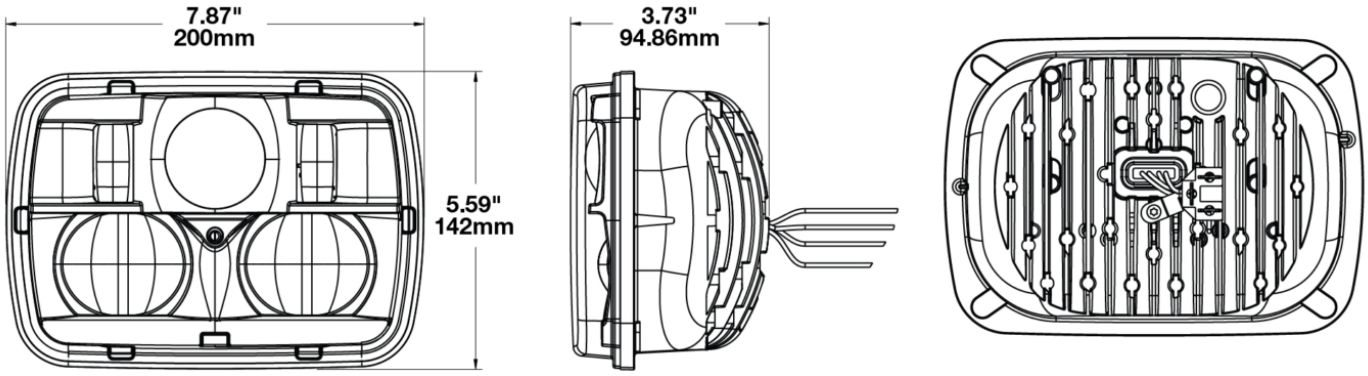
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

J.W. SPEAKER
Engineered. Lighting. Solutions.

PART NUMBER 0554481

LED Headlights - Model 8910 Evolution 2

PRODUCT DIMENSIONS



ELECTRICAL SPECIFICATIONS

Input Voltage	12-24V DC
Operating Voltage	10-32V DC
Transient Spike Protection	150V Peak @ 1 HZ-100 Pulses
Black Wire	Ground
Yellow Wire	Low Beam
White Wire	High Beam
Red Wire	Front Position*
Current Draw	5.35A @ 12V DC (High Beam) 4.30A @ 12V DC (Low Beam) 2.80A @ 12V DC (Front Position) 2.50A @ 24V DC (High Beam) 2.10A @ 24V DC (Low Beam) 1.32A @ 24V DC (Front Position)

Print date: 2026-11-06

© 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.

PART NUMBER 0554481

LED Headlights - Model 8910 Evolution 2

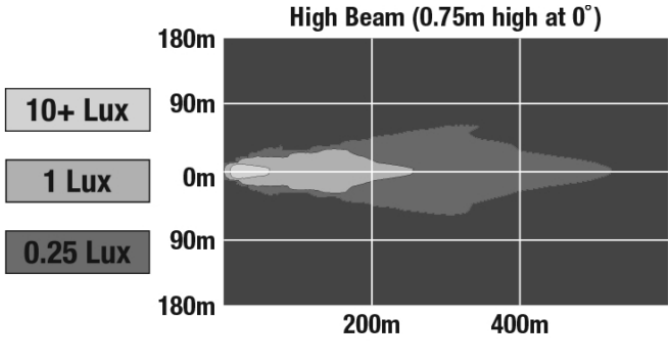
REGULATORY STANDARDS COMPLIANCE

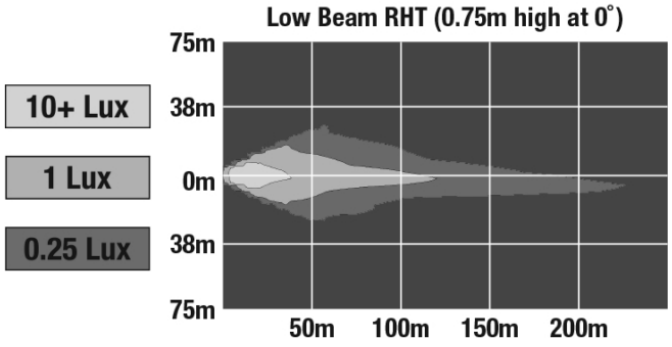


Buy America Standards	ECE Reg 10
ECE Reg 112	ECE Reg 7
Eco Friendly	FMVSS 108 s10.1 (Table XIX)
FMVSS 108 s10.1 (Table XVIII)	IEC IP69K

PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output	3,015 (High Beam); 2,250 (Low Beam)
Effective Lumen Output	1,320 (High Beam); 975 (Low Beam)
Beam Pattern(s)	Forward Lighting - High Beam (DOT/ECE) Forward Lighting - Low Beam (DOT/ECE) Signalization - Front Position





© 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.

PART NUMBER 0554481

LED Headlights - Model 8910 Evolution 2

APPLICATIONS



ADDITIONAL INFORMATION

*Front position light is a requirement outside of North America. If your vehicle is operated in North America, you do not need to connect this wire unless your vehicle is equipped with a front position light.

SMARTHEAT™ HEATING SYSTEM

The SmartHeat™ heating system senses ambient temperature and turns the integrated heating system in the lens on & off. This system actually clears ice & snow twice as fast as conventional halogen lamps.

When does the heater turn on?
Heater turns on or off according to temperature changes and vehicle power:
• Heater will turn on when temperatures drop, generating enough heat to prevent ice build-up.
• Heater will turn on when powering up, de-icing the light as rapidly as possible.

When does the heater turn off?
Heater will turn off when it senses temperatures increase and are above the high temperature threshold.

Learn more about this technology here.

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: 2026-11-06
© 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.