

LED Headlight – Model 8633 Evolution

PRODUCT INFORMATION

Description	12/24V ECE LED LHT Heated Headlight w/ Turn Signal, DRL, & FP - 2 Light Kit (NO WIRE ASSEMBLY)
Height	172.50 mm / 6.79 in
Width	143.50 mm / 5.65 in
Depth	88.20 mm / 3.47 in
Shape	Round
Outer Lens Material	Polycarbonate
Outer Lens Color	Clear
Housing Material	Aluminum
Housing Color	Black
Bezel Color	N/A
Mounting Hardware Description	(x1) 0.375"-16 x 1.5" Single bolt
Mounting Type	Pedestal
Connector or Wiring	Housing Integral Connector: Aptiv 1214107
Mating Connector	Aptiv 12052848, JWS 5747010
Product Weight	4.80 lbs / 2.18 kgs
Shipping Weight	5.81 lbs / 2.64 kgs



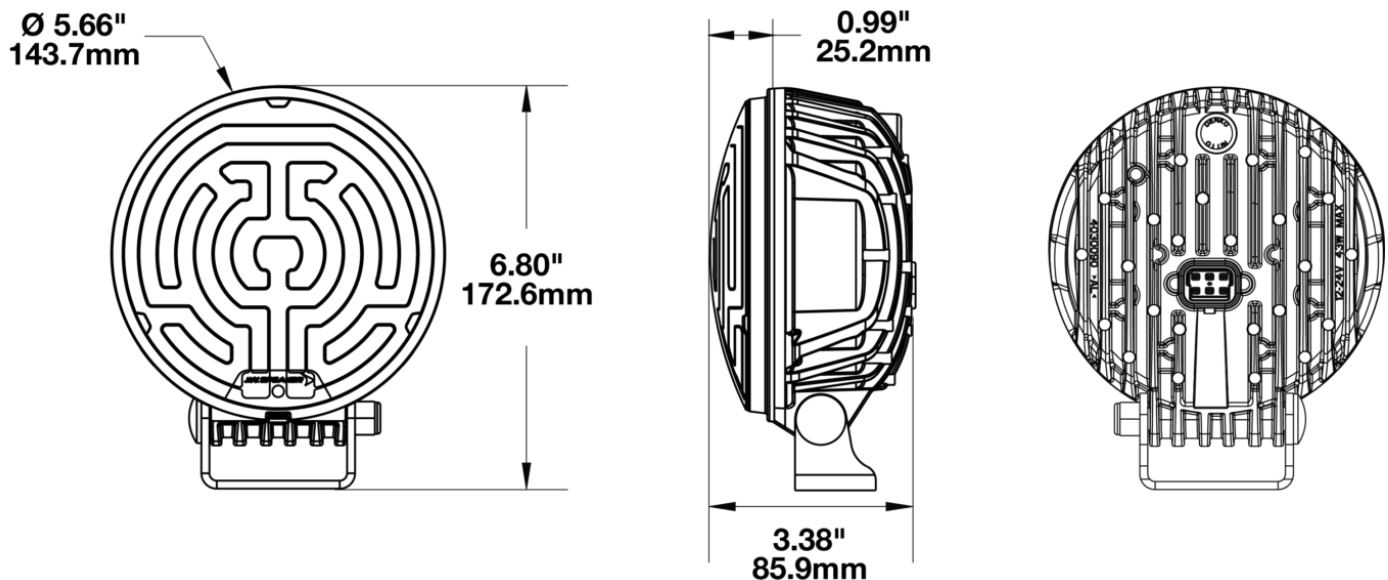
Print date: 2025-08-14

© 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 Headlight – Model 8633 Evolution

PRODUCT DIMENSIONS



ELECTRICAL SPECIFICATIONS

Input Voltage	12/24V DC
Current Draw	4.0A @ 13.5V DC (High Beam w/heater)
	3.5A @ 13.5V DC (Low Beam w/heater)
	2.8A @ 13.5V DC (DRL w/heater)
	2.4A @ 13.5V DC (Parking w/heater)
	0.6A @ 13.5V DC (Direction w/heater)
	2.0A @ 28V DC (High Beam w/heater)
	1.8A @ 28V DC (Low Beam w/heater)
	1.4A @ 28V DC (DRL w/heater)
	1.2A @ 28V DC (Parking w/heater)
	0.4A @ 28V DC (Direction w/heater)

Print date: 2025-08-14

© 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 Headlight – Model 8633 Evolution

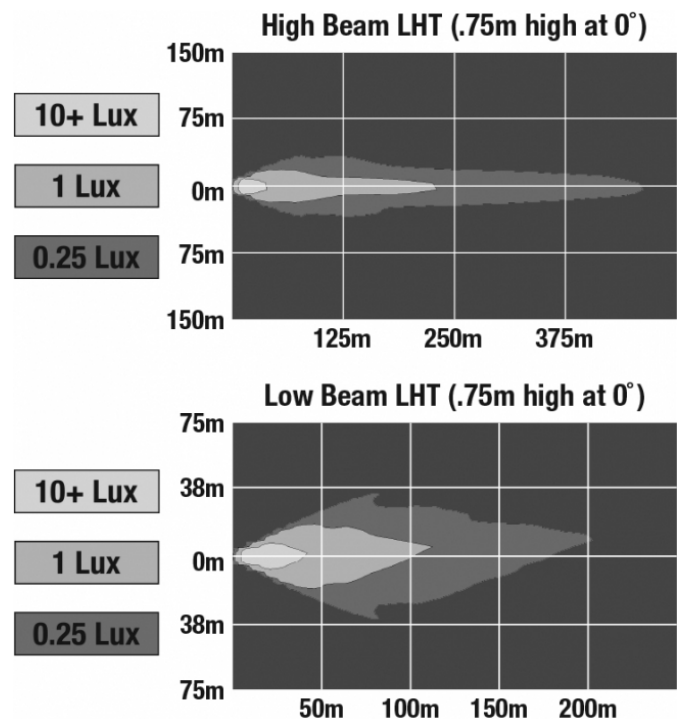
REGULATORY STANDARDS COMPLIANCE



Buy America Standards	ECE Reg 10
ECE Reg 148 - 1b	ECE Reg 148 - A
ECE Reg 148 - RL	ECE Reg 149 - HC
ECE Reg 149 - HR	Eco Friendly
IEC IP67	IEC IP69K

PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output	2925 HB / 2025 LB
Effective Lumen Output	1000 HB / 660 LB
Candela Output	51000 HB / 23000 LB
Nominal LED Color Temperature	5665 K
Beam Pattern(s)	Forward Lighting - Daytime Running Light Forward Lighting - High Beam (ECE) Forward Lighting - Low Beam (ECE Left Hand) Signalization - Front Position Signalization - Marker Signalization - Turn (Front)



Print date: 2025-08-14

© 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 Headlight – Model 8633 Evolution

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.

ACCESSORIES



Part Number

3268991

5 Function Wire
Assembly for Model
8633

RELATED PRODUCTS



Part Number

0561301

12/24V DOT/ECE LED
RHT Heated Headlight
w/ Turn Signal, DRL, &
FP (WIRE ASSEMBLY IS
SOLD SEPARATELY)



Part Number

0561303

12/24V DOT/ECE LED
RHT Heated Headlight
w/ Turn Signal, DRL, &
FP - 2 Light Kit (NO
WIRE ASSEMBLY)



Part Number

0561311

12/24V ECE LED LHT
Heated Headlight w/
Turn Signal, DRL, & FP

Print date: 2025-08-14

© 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.