

SPEAKER 8790 A SERIES

Adaptive LED Motorcycle Headlight



Description

7" Round Adaptive LED Motorcycle Headlight

The Speaker Model 8790 is the world's first dynamically adaptive motorcycle headlight. It was designed to address a particular shortfall of traditional headlights — poor visibility while cornering. While traditional headlights create a dark void of light going into a corner as the bike leans, the Model 8790 dynamically fills in the darkness with bright, white light...ultimately making riders feel more comfortable and safe. This Adaptive LED Motorcycle Headlight calculates bank angles on a real-time basis using proprietary technology and on-board sensors, automatically directing the light array up or down as the motorcycle leans. This additional illumination fills in the gaps that traditional headlights can't.

This new adaptive headlight combines innovative low beam optics and ComfortLite™ high beam optics to provide best-in-class foreground illumination and light above the horizon (respectively) which dramatically improve rider comfort and safety. The heavy-duty, die-cast aluminum housing and state-of-the-art LEDs not only deliver premium performance, but also give a bike a truly unique look!

Features and Benefits

- On-board intelligence senses leaning angles when cornering to control light
- Dynamically fills in dark areas while turning
- Plug & play solution for PAR56 (7" round) motorcycle headlight buckets
- Breakthrough improvement in visibility and safety
- DOT & ECE dual-compliant headlight
- Mounting Ring Kit available for fairing mounts on older model bikes

Applications

Motorcycles

Tech Specs

Light Source	LED
eLumens	1,150 (High beam) / 850 (Low beam)
rLumens	2,250 Lu (High beam) / 2,025 Lu (Low beam)
Colour Temperature	5000K
Beam Pattern	Forward Lighting - High Beam (DOT/ECE) Forward Lighting - Low Beam (DOT/ECE)
Current Draw	2.90A @ 13.5V DC (High Beam) 1.90A @ 13.5V DC (Low Beam) 3.50A @ 13.5V DC (Low Beam + Full Lean) 0.092A @ 13.5V DC (Front Position)
Voltage	12V DC
Operating Temperature	-40°C to +65°C
Retrofits	2D1 "PAR56" or 7" round headlights
Lens	Polycarbonate
Housing	Die-Cast Aluminium
Bezel Colour	Chrome, Black
Lens Colour	Clear
Electrical Connection	H4 AMP#172615-2
IP Rating	IP67K
Dimensions (DxWxH)	3.69x6.98x6.98" (93.9x177.2x177.2mm)
Part No.	Description
8790A-Bik	Adaptive Motorcycle Headlight – 12V SAE/ECE LED high & low beam with black inner bezel
8790A-Chr	Adaptive Motorcycle Headlight – 12V SAE/ECE LED high & low beam with chrome inner bezel

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