



MOSAIC MODULAR LIGHTING SYSTEM

The New Standard for Custom
Lighting Designs





CUSTOM DESIGNS WITHOUT CUSTOM COSTS & TIMING

Give customers the customization they demand — at a price they can afford — with J.W. Speaker's Mosaic Modular Lighting System. Avoid high optical tooling costs with a modular system designed specifically for OEM and aftermarket customers seeking unique, high-quality customized vehicle lighting. Ideal for buses, trucks, automotive, motorcycles, ebikes, ATV/UTV and RVs.

COMBINE CUSTOM HOUSING WITH UNIQUE LIGHTING DESIGNS

Streamline design, simplify manufacturing and expedite time-to-market with modular light assemblies built specifically for OEM and aftermarket customers. Choose the Mosaic Modular Lighting System for multi-functional DOT and ECE approved designs with a custom cover bezel or fascia. Choose the function of lights desired and place them in a configuration that works best for your vehicle application — and avoid the optical tooling and homologation costs of individual lamp functions without compromising quality or compelling design.

A FUNCTIONAL FIT FOR ANY VEHICLE

The Mosaic Modular Lighting System includes a wide range of pre-assembled lighting functions, including:

- Low Beam
- High Beam
- Fog
- Turn Signal
- DRL & Front Position
- Cornering

OUR GUIDELINES + YOUR CONCEPT = ENDLESS POSSIBILITIES

OEMs can use the versatile Mosaic Modular Lighting System to configure lighting designs quickly and cost-effectively. Because the lights are standard J.W. Speaker offerings, there are no additional tooling costs. Plus, they're DOT and ECE approved, so they're ready for everyday on-road use immediately. Simply choose your light and partner with the experienced J.W. Speaker design team to create the unique low-beam assembly to meet your placement and style preferences. A wide range of lights and potential configurations are available, including:



VERTICAL HEADLIGHTS

- Low beam (LB) spread and punch assembly configured in vertical mount
- High beam (HB) lower or more inward than LB assembly
- Alternate HB locations shown



HORIZONTAL HEADLIGHTS

- Low beam (LB) spread and punch assembly configured in horizontal mount
- High beam (HB) lower or more inward than LB assembly
- Alternate HB locations shown



TURN SIGNALS & DAYTIME RUNNING LIGHTS (DRL)

- Locate next to headlight assembly, outermost on vehicle
- Alternative turn signal and DRL locations shown

NOTE: Cannot be placed too deep into headlight assembly. Turn Signals not compatible with vehicles 2032mm or wider in North America.



FOG LIGHTS

- Locate below headlight assembly, as low as possible
- Alternative fog light locations shown



CORNER LIGHTING

- Locate below headlight assembly, as low as possible
- Alternative corner light locations shown

NOTE: Placement should be at 45° angle from front of vehicle



MOUNTING OPTIONS

- Panel Mount is usable with all lights except 0561411, 0561421, & 0561401
- Tall Panel Mount is usable with only the 0561411, 0561421, & 0561401
- Pedestal Mount is usable with 0347971, 0558321, 0560251, & 0560121

COMPELLING CONCEPTS — FAST, EASY AND AFFORDABLE

Use the J.W. Speaker proprietary modular lighting system to reduce delays, avoid regulation hassles and cut costs during the design process. Take advantage of our collection of pre-tooled, pre-configured lights — simply mount them directly to the vehicle or customize a stylish bezel or fascia for a custom design that fits your exacting application requirements and style preferences.

Add Flexibility

Create a wider range of unique, compelling and affordable lighting designs to accommodate more styles and vehicles.

Reduce Tooling Costs

Take advantage of J.W. Speaker's vertical integration processes — from concept to manufacturing. We've invested in the optical tooling and regulatory approvals for the lighting modules, leaving the styling and bezel design for you.

Streamline Development

Choose the function of lights desired and place them in a configuration that works best for your vehicle application to eliminate unnecessary concept and design hurdles.

Expedite Time-to-Market

Rely on J.W. Speaker to save you the work — and the time. Create multiple design options using our fast-to-market modular approach.

	Light ONLY Bulk Pack P/N	Light & Harness Single Pack P/N
12-24V LED DOT/ECE DI & DRL Light	0347972	0347971
12V LED Cornering Light	0557942	0557941
24V LED Cornering Light	0560172	0560171
12V LED Fog Light	0556822	0556821
24V LED Fog Light	0560162	0560161
12V LED DOT/ECE Symmetric Low Beam Headlight	0558322	0558321
24V LED Symmetric Low Beam Headlight	0560142	0560141
12V LED RHT Horizontal Low Beam Headlight - LH Light	0561412	0561411
12V LED RHT Horizontal Low Beam Headlight - RH Light	0561422	0561421
12V LED RHT Vertical Low Beam Headlight	0561402	0561401
12V LED DOT/SAE High Beam & DRL Headlight	0556832	0556831
12V LED DOT/ECE High Beam & Front Position Headlight	0560252	0560251
24V LED ECE High Beam & Front Position Headlight	0560122	0560121

	Bulk Pack P/N	Single Pack P/N
Mounting Hardware Kit for Mosaic	8200832	8200831
Tall Mounting Hardware Kit for Mosaic	8201042	8201041
Pedestal Mount Kit for Mosaic	8201032	8201031