

A photograph of a railway crossing signal at sunset. The signal is a black pole with two red lights and a white gate arm. The sky is a mix of orange, red, and blue. A train is visible in the background, blurred by motion.

Signals – AURORA™ Gate Arm LED

Efficient, Cost-Effective Illumination

The AURORA™ Gate Arm Light offers a modern, cost-effective alternative to traditional incandescent lighting, providing long-lasting performance and leads to reduced maintenance for reliable crossing protection.



KB SIGNALING™

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LED Technology

- Quick Install - Complete installation in only ten minutes with one tool
- Complete kit with “PLUG-IN” connectors and coil cords
- Brightest LED gate arm light available in the market (36 Ultra Bright LED's)
- LED viewing angle of 30 degrees (Most LED's only have 15 degree viewing)
- Exceeds the AREMA recommended 70 degree beam spread
- Can be used with highway crossing systems of any make and model

Overview

The AURORA™ Gate Arm Light is a cost-effective solution to expensive, incandescent type gate arm lights. The AURORA Gate Arm Light uses rugged Light Emitting Diode (LED) technology instead of a fragile filament bulb for illumination. Each AURORA light has four wires for the electrical connection. Like the AURORA Highway Crossing Signal, it offers customers an extraordinary life expectancy of up to 100,000 hours.

The AURORA Gate Arm Light uses less than 20% of the power required by a conventional incandescent bulb-based system. It is housed in an impact resistant plastic housing. The lights are designed to hold up to “knockdowns”.

Key Features

AURORA Premium GAL 200

The system allows for a quick installation, with the complete setup taking only ten minutes using just one tool. It comes as a complete kit, including “PLUG-IN” connectors and coil cords for ease of use. The gate arm features the brightest LED light available on the market, equipped with 36 ultra-bright LEDs. With a 30-degree viewing angle – compared to the typical 15 degrees – it exceeds the AREMA-recommended 70-degree beam spread. Additionally, it is compatible with highway crossing systems of any make or model.

AURORA Standard GAL 100

Same as the GAL 200, “PLUG-IN” connectors and coil cords not included.



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Specifications

Data	Value
Operating Voltage	8.5 V AC/DC – 12 V AC/DC
Minimum Forward Current	10 mA
Recommended Operating Voltage	10 VDC
Typical Max. Forward Current Draw(at 10 VDC)	0.35 Amps
Typical Max. Power Consumption (at 10 VDC per gate light)	3.5 Watts
Environmental Requirements	AREMA Standard Class B MIL-STD 810F
IP Rating	IP65
Electronic Noise	Meets AREMA Standards
Temp Range Operating	-40°C to 70°C
Temp Range Storage	-40°C to 85°C

Ordering Information

Product Name	Description	Part Number
AURORA™ Standard GAL 100	Set of three Ultra Bright Gate Arm Lights with installation hardware	59649-201-01
AURORA™ Premium GAL 200, Quick Install	Set of three Ultra Bright Gate Arm lights with quick connect coil cords and hardware	59649-201-03

For more information refer to manual P2468



**Contact your KB Signaling Business Development Manager
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