

## Introducing the LR Series from PATLITE – A Fully Modular Signal Tower Line

PATLITE announces the LR Series of Signal Towers – its first fully modular line of signal towers, available in four industry standard sizes. The LR series is a complete offering composed of redesigned LED lighting and body base, a re-engineered, fully-enclosed IP65 buzzer, and a modular “twist and lock” system.

Traditional stack lights typically require additional threaded shafts or tools to reconfigure light modules. With the LR Series, color reorganization and changing the number of light tiers is as easy as twisting modules on and off. If any part of the tower ever has to be replaced, modules, buzzers, terminal blocks, O-rings, and bases can be ordered separately with short lead times.

The materials used to build the LR series have been upgraded from legacy models. The base has been changed from ABS resin to a new polycarbonate resin for enhanced durability, and the O-rings have been upgraded to a silicone resin for an improved seal. These changes have resulted in a more lightweight and shock resistant product. Inspired by the structure of a percussion drum, the new buzzer has been redesigned to be completely sealed, creating a louder, more even sound output. Furthermore, the IP rating has increased from IP54 to IP65 (NEMA Type 4.4X, 13), which can withstand various environmental conditions including dust, water jets and corrosion. The LED light and buzzer modules connect together creating a smooth surface for improved water runoff and easy cleaning.

PATLITE has developed a new lens design for the LR that achieves the most even and efficient light distribution available. The new design is constructed to achieve a more uniform, 360 degree light output. This has effectively doubled the LED intensity (1000 mcd to 2300 mcd) from previous models.

As manufacturing pioneers of the Signal Tower, PATLITE is dedicated to optimizing visual and audible indication for industrial applications by continually rethinking engineering, pushing technological boundaries and delivering products that add tremendous value to any business. PATLITE has developed the LR series to be a truly complete signal tower line that combines precise form and function. The LR series not only delivers superior LED light brilliance, but also delivers loud, clear sounds, is simple to install and operate, and carries high protection ratings to withstand harsh environments.

The LR series has a range of common diameters (40mm-70mm), making retrofitting/upgrading using an existing pole or wall mount brackets easy. Other specifications include:

- Rated Voltage : DC24V, DC12V (LR5 only), AC100-240V (LR4 and LR6 only)
- 85dB or 90dB alarm at 1m
- Four buzzer sounds (including two new sounds) that can be reduced by 10dB if needed.
- Operating Ambient Temperature -20°C to +50°C
- Protection Rating IP65 standard (including with alarm).

- Individual modules, bases and buzzers available for any combination up to 5 stack.
- Approvals: UL 508, CSA-C22.2 No.14, FCC Part 15 Subpart B Class A, RoHS Directive (EN 50581), EMC Directive (EN 61000-6-4, EN 61000-6-2), KC (KN 61000-6-4, KN 61000-6-2), Low-voltage Directive (IEC/EN 60947-5-1, EN62471) – M2 Type Only

There are an endless variety of applications for the LR Series, and it is ideal for the automotive, aerospace, construction, packaging, processing, semiconductor, and medical industries, as well as for airports, retail stores and transportation purposes.

## **ABOUT PATLITE**

Founded in 1947, PATLITE is a leading provider of innovative LED status indicating lights, sound alarms, visual and audible communication network systems and solutions which enhance the safety, security and comfort of workplaces and communities. The company's products and services help improve the quality control, productivity and safety of industrial automation, commercial, municipal and governmental customers. PATLITE has more than 600 employees and has wholly-owned sales subsidiaries in the USA, Germany, Singapore, Korea, Thailand, Taiwan, and China. For more information visit [www.patlite.com](http://www.patlite.com), email [sales@patlite.com](mailto:sales@patlite.com) or call 1-888-214-2580.

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