

Five Key Questions To Understanding Patlite Signal Towers

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The 5 Things You Need to Ask



- Size—Diameter (millimeters)
- Mounting (Direct, Pole, or Wall)
- Input Voltage
- Flash/Buzzer or Continuous only
- Color Choice (top to bottom)

Key Advantages

- **LED Technology : 10 years or 100,000 Hours Service Life**
- **Flexibility: Wide Range of Sizes Depending Upon Application**
- **Availability: Standard Stock**
- **Pre-Wired and Pre-Assembled Units Simplify Order Process**
- **Competitive Prices Compared to Incandescent Brands**



















How to Order (Example)

LME - 1 02 FB W - RYGBC




















Model Light Style: FB: W: Color:
1: 1 Light 01: 12V DC R: Red
2: 2 Light 02: 24V (AC)/DC Y: Yellow
3: 3 Light 12: 120V AC G: Green
4: 4 Light 23: 230-240V AC B: Blue
5: 5 Light C: Clear
(Top to Bottom)

Model Name	Size	Voltage	Mounting	Flash/Buzzer	Colors	Special Note
ME/MES	25mm	24V DC	Direct	N/A	All Colors	Pre-Wired Pre Assembled; Silver Body; Clears Lens Until Powered
MP/MPS	30mm	24V AC/DC	Direct	N/A	All Colors	Pre-Wired Pre Assembled; Silver Body
LCE	40mm	24V AC/DC or 90-250V AC	Pole/Direct	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled
LCE-U	40mm	24V AC/DC	Pole/Direct	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled; Silver Body; 3m (10ft.) sleeved cable included
LE	50mm	12V AC/DC or 24V AC/DC	Pole/Direct	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled
LES	50mm	24V AC/DC	Pole/Direct	N/A	All Colors	Pre-Wired Pre Assembled
SE	57mm	24V AC/DC or 120V AC	Pole	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled
LME	60mm	24V AC/DC or 120V AC	Pole/Direct	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled
LME-U	60mm	24V AC/DC	Pole/Direct	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled; Silver Body; 3m (10ft.) sleeved cable included
LU5	50mm	24V DC	Pole/Direct	Two Selectable Tones	All Colors	Modular Style
LU7	70mm	24V DC or 90-250V AC	Pole/Direct	Two Selectable Tones	All Colors	Modular Style; Beige or Black Body
LGE	100mm	24V AC/DC or 120V AC	Pole/Direct	Two Selectable Tones	All Colors	Modular Style
WE/WEP	37.5mm	24V AC/DC	Wall	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled; Beige or Chrome Cover
WME	80mm	24V AC/DC or 90-250V AC	Wall	Two Selectable Tones	All Colors	Pre-Wired Pre Assembled

Light Tower Comparison

PATLITE	Allen Bradley	Telemecanique	Federal Signal	Werma
ME/ MES 25mm Pre-wired Pre-assembled 	855D 30mm Pre-wired Pre-assembled 			Kompakt 36 36mm Pre-wired Pre-assembled 
MP/ MPS 30mm Pre-assembled Pre-wired 	Voltage: 24V AC/DC, 120VAC, 240VAC Colors: RAGBCY Audible: steady or pulsing module (single or dual circuit) (85dB/m) Light Type: LED Functions: steady/ flashing Stackable: 5 lights, 4 lights + single-circuit sound, or 3 lights + dual-circuit sound Mounts: surface, pole, direct, vertical, conduit Ratings: IP65, type 4/4X/13 Regulations: CE, cUL			Voltage: 24V DC Colors: RYG (clear/coloured modules) Audible: none Light Type: LED lamps (50k hrs) Functions: steady Stackable: 2 or 3 tiers Mounts: surface, tube, bracket Ratings: IP65 Regulations: CE Avail in plastic housing with silver or black finish
LCE 40mm Pre-wired Pre-assembled 	Voltage: 24V AC/DC, 90-250V AC Colors: RAGBC Audible: 2 single tone, intermittent (85dB/m) Light Type: LED (100k hrs) Functions: Cont. only / Cont.&Flashing w/ Alarm Stackable: 1-5 modules Mounts: pole, wall, side, 1/2" NPT adapter Rating: IP54(LCE,LCE-FB,LCE-FBW), IP65(LCE-W), type 4/4X/13 (indoor only) Regulations: CE, cUL Avail. in Silver Body (3m sleeved cable included)	XVM 45mm Pre-wired Pre-assembled or Modular 	MSL 55.9mm Pre-wired Pre-assembled 	deSIGN 42 42mm Pre-wired Pre-assembled 
LU5 50mm Modular 	855E 50mm Modular 	Voltages: 24V AC/DC, 120V AC, 230V AC Colors: ROGBC Audible: optional - housed in base unit (80dB) - selectable cont. or intermittent Light Type: bulb, LED, or discharge tube Functions: steady (bulb or LED), flashing (LED or discharge tube) Stackable: pre-wired: 2 - 4 lights; modular: 5 lights or buzzer w/ 4 lights Mounts: vertical or horizontal, Ratings: IP42 (vertically), IP40 (other positions) Regulations: CE Pre-wired units cannot be modified. Modular units are interchangeable.	Voltages: 24V AC/DC, 120V AC, 240V AC (MSL1-MSL3 only) Colors: RAGBC Audible: optional (MSS) 83dB - 85dB @ 1m Light Type: wedge-type lamp; LED lamp (optional) Functions: flash (optional), steady Stackable: 1 - 5 lights; max 5 modules (light&alarm combo) Mounts: surface, pipe mounted (3/4" NPT) Ratings: Type 1 (with sounder); Type 4X enclosure (indoor); Regulations: cUL, UL, CE(24V), CSA Twist & lock modules; Terminal Block; PLC compatible	Voltage: 24V Colors: RYG (clear lens) Audible: none Light Type: LED (50k hrs) Functions: steady Stackable: 2 or 3 tiers Mounts: direct or single hole Rating: IP65 Regulations: CE Can operate with PLC control system. Stainless steel housing
LES 50mm Pre-wired Pre-assembled 	Voltage: 12V AC/DC, 24V AC/DC Colors: RAGBC Audible: none Light Type: LED Functions: Continuous Stackable: 1 - 5 modules Mounts: pole, side, wall, 1/2" NPT adapter Rating: IP54 (LES-AW), IP23 (LES-A) Regulations: CE, cUL Bottom module welded	LES 50mm Pre-wired Pre-assembled 	USI 55.89mm Pre-wired Pre-assembled 	
LE/ LEL 50mm Pre-wired Pre-assembled 	Voltage: 12V AC/DC, 24V AC/DC Colors: RAGBC Audible: optional 85dB/m Light Type: LED Functions: continuous and/or flashing Stackable: 1 - 5 lights Mounts: pole, surface, side, wall, adapt to 1/2" NPT socket Rating: IP23 (LE-P); IP54 (LEL-W) Regulations: CE, cUL	XVP 50mm Modular 	Voltages: 24VAC/DC, 120VAC, 230VAC Colors: RYOBGC Audible: sound module; 10 unique tones (55dB - 85dB @ 1m) Light Type: bulb, LED, or LED lamps (100k hrs) Functions: steady or flashing (LED only) Stackable: 1 - 5 lights; 1 alarm (at top) + 4 lights Mounts: direct, stand, or wall Ratings: IP65 (lights), IP43 (alarm), NEMA 12 Regulations: CE, cUL, CSA Black or cream body/clamping rings.	USI 55.89mm Pre-wired Pre-assembled 
SE 57mm Pre-wired Pre-assembled 	Voltage: 24V AC/DC, 120V AC Colors: RAGBC Audible: optional (85dB/m) Light Type: LED Functions: continuous and/or flashing Stackable: 1 - 5 lights Mounts: pole, side, wall, 3/4" adapter Rating: IP23 Regulations: CE, cUL		Voltages: 24VAC/DC, 120VAC Colors: AGR or AGRB in one module Audible: built in USIS (60 dB @ 10ft.) Light Type: LED Functions: steady, flash, strobe, or SimuStrobe™ Stackable: one light (tri or quad color) Mounts: 3/4" NPT pipe, wall, surface Ratings: IP66, Type 4X (indoor), Type 1 with sounder Regulations: cUL, UL PLC compatible	KombiSIGN 50 50mm Modular 
	Voltage: 12VDC, 24VDC, 120VAC, 240VAC Colors: RYAGBC Audible: continuous or pulsing (single or dual circuit) module (88dB - 103dB @ 1m) Light Type: halogen (1.6k - 8k hrs), LED (100k hrs), or Xenon (15k hrs) Functions: steady, flashing, strobe Stackable: 1 - 5 modules Mounts: surface, pole, vertical, On Machine™ Rating: IP65, type 4/4X/13 Regulations: CE, UL, cUL, CSA Gray or black base housing.			Voltage: 24V Colors: RYGBC Audible: buzzer (80dB/m) Light Type: LED, bulb Functions: steady, flashing Stackable: max. 4 modules Mounts: wall/surface/bracket/single hole Rating: IP54 (light and audible) Regulations: UL, cUL, CE Indication board avail As-i compatible

Light Tower Comparison

PATLITE	Allen Bradley	Telemecanique	Federal Signal	Werma
LME 60mm Pre-wired Pre-assembled 	855T 70mm Pre-wired Pre-assembled or Modular 	XVB 70mm Modular 		Kompakt 71 70mm Pre-wired Pre-assembled 
LU7 70mm Modular 	855T 70mm Pre-wired Pre-assembled or Modular 	XVD 70mm Pre-wired Pre-assembled or Modular 		KombiSIGN 70 70mm Modular 
	855T 70mm Pre-wired Pre-assembled or Modular 	XVE 70mm Modular 		KombiSIGN 71 70mm Modular 
LGE 100mm Modular 			LS 99.8mm Modular 	
WE/WEP 37.5mm Profile Pre-assembled Pre-wired 	855W 45mm Profile Pre-wired Pre-assembled 		SCB or SCC Pre-wired Pre-assembled 	
WM/WME 80mm Profile Pre-wired Pre-assembled 	855W 45mm Profile Pre-wired Pre-assembled 		SCB or SCC Pre-wired Pre-assembled 	

Product Capability Summary

Explanation of Codes and Symbols Used in this Catalog

IP (Index of Ingress Protection,
defined by CEI/IEC 529)

Code No.
IP-

("F" following Code No.: Protection against oil.)

Protection against solid objects		Protection against liquids	
No protection.	0	0	No protection.
Protection against solid objects larger than ø 50mm.	1	1	Protection against vertical falling drops of water.
Protection against solid objects larger than ø 12mm.	2	2	Protection against dripping water when tilted up to 15°.
Protection against solid objects larger than ø 2.5mm.	3	3	Protection against spraying water.
Protection against solid objects larger than ø 1mm.	4	4	Protection against splashing water.
Protection against dust-limited ingress (dust-protected.)	5	5	Protection against water jets.
Total protection against dust (dust-tight.)	6	6	Protection against heavy seas.
		7	Protection against the effects of immersion.
		8	Protection against submersion.

**Electronic
Sound**

Buzzer Sound: Easy to recognize but gentle on the ears.

AC Motor

Long-lasting brushless motor provides stable rotation.

Melody

Familiar and easily recognized.

Xenon

Use of Xenon bulb provides high visibility and minimizes bulb burn-out.

**Dust-
Proof**

Highly sealed design that keeps dust and dirt out.

**Open
Collector**

Open-collector compatible allows direct connection to a contactless PLC.

LED

Use of high-luminance LED makes bulb changes unnecessary.

**Drip-
Proof**

Well-sealed housing keeps rain or other water out. Suitable for outdoor use.

**Voice
Synthesizer**

Message conveyed audibly. Select a message from the message library.

**Ø 40
Round**

Indicates the size and shape of signal lights or revolving lights.

Alarm

Easy to hear but gentle on the ears.

**Water
Proof**

Provides a level of protection up to and including direct water jets.

Notes