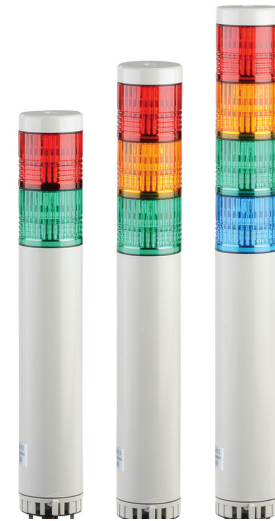


PATLITE® LCE 40mm LED Signal Towers

Features

- Prism-cut lens design for enhanced visibility from any direction
- Dual reflection system for enhanced light diffusion; creating bright, distinctive illumination while saving energy
- Two built-in alarms (FB model) with selectable sound patterns
- Adjustable volume with a maximum of 85dB (at 1m)
- Direct or pole mount installation
- Color-coordinated wiring corresponding to the lens color for quick wiring and verification
- Interchangeable LED modules requires no re-wiring, even after installation
- Main body is constructed of superior impact and heat resistant ABS resin.
- Lens is made of superior impact resistant and light translucent AS resin.
- Conforms to the CE requirements
- UL Recognized Components (File No. E215660).
- NEMA Type 4/4X/13 for -W, -FBW Only



LCE



Patlite® 40mm LED Signal Towers Selection						
Part Number	Price	Modules		Function	Wiring	Mounting
		#	LED			
LCE-202-RG	<----->	2	red, green	Continuous light	1100mm pigtail	300mm pole mount
LCE-2M2-RG	<----->				1050mm pigtail	
LCE-302-RYG	<----->	3	red, amber, green		1100mm pigtail	
LCE-3M2-RYG	<----->				1050mm pigtail	
LCE-402-RYGB	<----->	4	red, amber, green, blue		1100mm pigtail	
LCE-4M2-RYGB	<----->				1050mm pigtail	
LCE-202FB-RG	<----->	2	red, green	Flashing/ 2 alarms	1000mm pigtail	300mm pole mount
LCE-2M2FB-RG	<----->				950mm pigtail	
LCE-302FB-RYG	<----->	3	red, amber, green		1000mm pigtail	
LCE-3M2FB-RYG	<----->				950mm pigtail	
LCE-402FB-RYGB	<----->	4	red, amber, green, blue		1000mm pigtail	
LCE-4M2FB-RYGB	<----->				950mm pigtail	
LCE-202W-RG	<----->	2	red, green	Continuous light	1100mm pigtail	Direct mount
LCE-2M2W-RG	<----->				1050mm pigtail	
LCE-302W-RYG	<----->	3	red, amber, green		1100mm pigtail	
LCE-3M2W-RYG	<----->				1050mm pigtail	
LCE-402W-RYGB	<----->	4	red, amber, green, blue		1100mm pigtail	
LCE-4M2W-RYGB	<----->				1050mm pigtail	
LCE-202FBW-RG	<----->	2	red, green	Flashing/ 2 alarms	1000mm pigtail	Direct mount
LCE-2M2FBW-RG	<----->				950mm pigtail	
LCE-302FBW-RYG	<----->	3	red, amber, green		1000mm pigtail	
LCE-3M2FBW-RYG	<----->				950mm pigtail	
LCE-402FBW-RYGB	<----->	4	red, amber, green, blue		1000mm pigtail	
LCE-4M2FBW-RYGB	<----->				950mm pigtail	

Note: Please see the accessories section of this section for optional and/or replacement components.

PATLITE® LCE 40mm LED Signal Towers

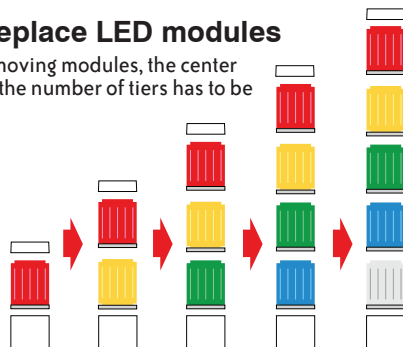
Specifications

Patlite® 40mm Signal Towers Technical Specifications						
# of Tiers	Part Number	Rated Voltage	Operating Voltage	Power Consumption	Weight g [oz]	
2	LCE-202-RG	24V AC/DC	±10%	2.4 W	550 [19.40]	
	LCE-202FB-RG				610 [21.52]	
	LCE-202W-RG				190 [6.70]	
	LCE-202FBW-RG				250 [8.82]	
	LCE-2M2-RG	90-250 VAC		2.6 W	630 [22.22]	
	LCE-2M2FB-RG				680 [23.99]	
	LCE-2M2W-RG				270 [9.52]	
	LCE-2M2FBW-RG				320 [11.29]	
3	LCE-302-RYG	24V AC/DC		3.0 W	580 [20.46]	
	LCE-302FB-RYG				640 [22.58]	
	LCE-302W-RYG				220 [7.76]	
	LCE-302FBW-RYG				280 [9.88]	
	LCE-3M2-RYG	90-250 VAC		3.2 W	660 [23.28]	
	LCE-3M2FB-RYG				710 [25.04]	
	LCE-3M2W-RYG				300 [10.58]	
	LCE-3M2FBW-RYG				350 [12.35]	
4	LCE-402-RYGB	24V AC/DC		3.6 W	610 [21.52]	
	LCE-402FB-RYGB				670 [23.63]	
	LCE-402W-RYGB				250 [8.82]	
	LCE-402FBW-RYGB				310 [10.93]	
	LCE-4M2-RYGB	90-250 VAC		3.8 W	690 [24.34]	
	LCE-4M2FB-RYGB				740 [26.10]	
	LCE-4M2W-RYGB				330 [11.64]	
	LCE-4M2FBW-RYGB				380 [13.40]	
Signal wire current (Rated Current Consumption)		LED Unit	Red	Amber	Green	Blue
		Typical	27.5 mA	27.2 mA	15.2 mA	15.2 mA
		Max	34.2 mA	35.9 mA	19.4 mA	19.4 mA
Luminosity		≥760mcd	≥830mcd	≥1800mcd	≥700mcd	
Wire sizes		For 24V AC/DC models 22AWG; for 90-250 VAC models power wire 18AWG, lead wires 22AWG				
Buzzer current/sound (FB models)		Typical current 40mA, max current 50mA / sound level 85dB at 1M / 3190Hz				
Flashing		60 flashes per minute				
Operating ambient temperature		-30°C to +60°C [-22°F to +140°F]				
Operating ambient humidity		Less than 90% (no condensation)				
Vibration resistance		19.6 m/s² @ 30Hz				
Insulation resistance		More than 1MΩ at 500VDC between the terminals and the chassis				
Withstand voltage		500VAC applied for 1 min between terminals and chassis without breaking insulation				
Ingress protection rating		IP54 for pole mounted models; IP65 and UL type 4, 4x, and 13 for direct mount				
Conformity standards		UL 508, CSA-C22.2 No.14, RoHs Directive (EN 50581)				

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

Easily add or replace LED modules

When adding or removing modules, the center screw that matches the number of tiers has to be purchased.



Interchangeable LED Modules

Color sequence is changeable by adding or removing up to 5 color modules even after installation.

NOTE: LED modules of the same color within a signal tower will light up simultaneously.

Wiring does not change

The LED module colors correspond to the wiring, so re-wiring is not necessary.



PATLITE® LCE 40mm LED Signal Towers

Accessories

Accessories for Patlite® 40mm Signal Towers		
Part Number	Price	Description
SZ-012	<---->	L-bracket for 17mm pole
SZ-021	<---->	Side mount bracket for 17mm pole, ivory color
SZ-80L	<---->	300mm pole kit for LCE series with L-bracket
B22220020-F1	<---->	40mm diameter top mating bracket for 17mm pole, ivory color
SZ-80NPT	<---->	40mm to 1/2" FNPT adapter
SZ-011	<---->	94mm diameter aluminum flange mount bracket for 17mm pole
SZ-903	<---->	17mm to 1/2" FNPT adapter
17POLE-1010	<---->	1000mm chrome plated steel pole, 17mm diameter with L-bracket
B72100126-1F1	<---->	Red LED module
B72100126-2F1	<---->	Amber LED module
B72100126-3F1	<---->	Green LED module
B72100126-4F1	<---->	Blue LED module
B72100126-7F1	<---->	Clear/white LED module
S33552120-0350F2	<---->	1-tier center screw, zinc plated steel
S33552120-0385F1	<---->	2-tier center screw, zinc plated steel
S33552120-03120F1	<---->	3-tier center screw, zinc plated steel
S33552120-03155F1	<---->	4-tier center screw, zinc plated steel
B32310029-F1	<---->	40mm diameter cap, ABS plastic
Z35721009-034F1	<---->	O-ring, silicone

Note: LCE series accessories are not compatible with LR4 series lights



SZ-012



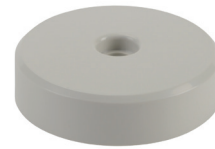
B72100126-xF1



SZ-011



SZ-021



B32310029-F1



SZ-903



S33552120-03xxx



Z35721009-034F1



17POLE-1010



SZ-80L

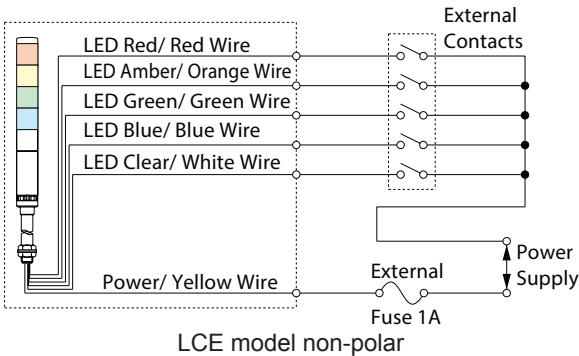


B22220020-F1

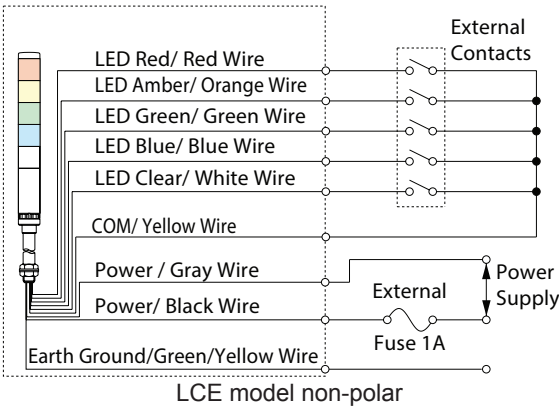
PATLITE® LCE 40mm LED Signal Towers

Wiring

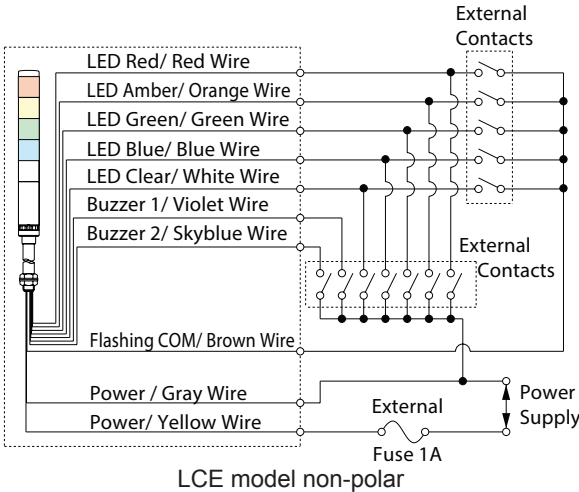
- AC/DC 24V Lighting Type



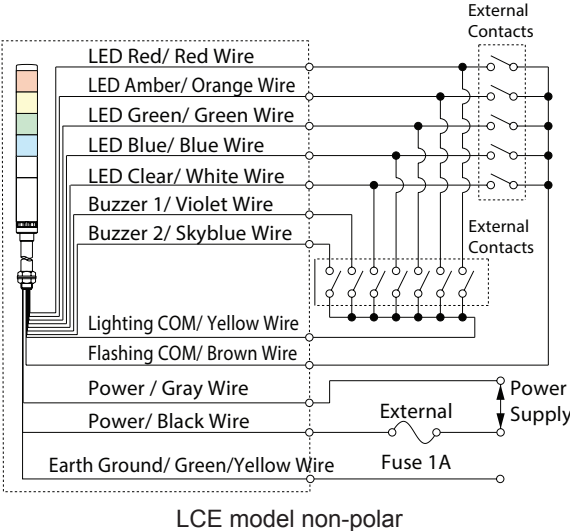
- AC 90 - 250V Lighting Type



- AC/DC 24V Lighting/Flashing Type



- AC 90 - 250V Lighting/Flashing Type

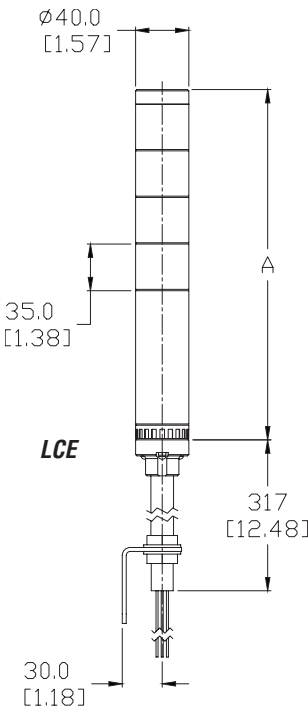


Lead Wire Color Coordination	
LED Unit Color	Lead Wire Color
Red	Red
Amber	Orange
Green	Green
Blue	Blue
Clear/white	White
Alarm Sounds	Lead Wire Color
Buzzer 1	Purple
Buzzer 2	Sky blue

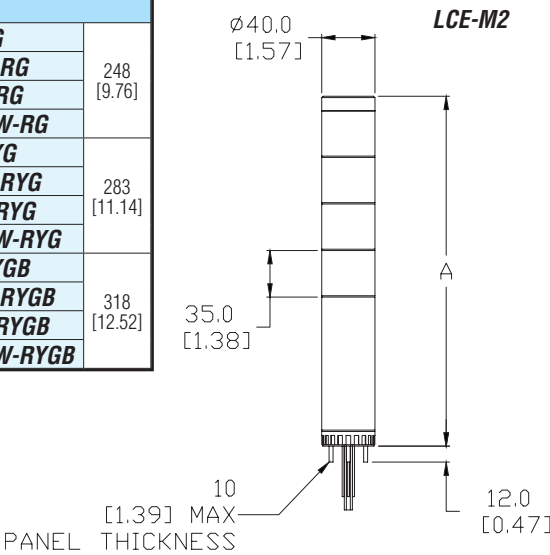
Signal Line Voltage and Current per LED Module						
Model	Rated Voltage	Signal Voltage	LED		Alarm	
			Signal Line Current		Signal Line Current	Inrush Current
			Red, Amber	Green, Blue		
LCE	24V AC/DC	24V AC/DC	30mA	25mA	40mA	250mA
LCE-M2	90-250 VAC	24VDC	30mA	25mA	40mA	250mA

PATLITE® LCE 40mm LED Signal Towers

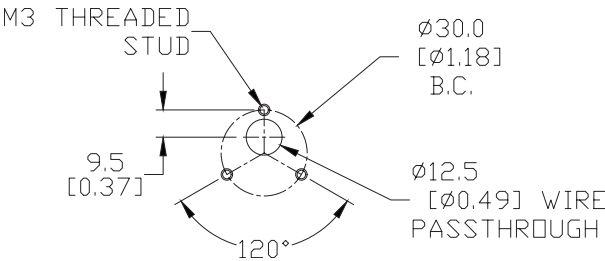
Dimensions mm [in]



A Dimensions – mm [in]			
LCE-202-RG	193 [7.60]	LCE-2M2-RG	248 [9.76]
LCE-202FB-RG		LCE-2M2FB-RG	
LCE-202W-RG		LCE-2M2W-RG	
LCE-202FBW-RG	228 [8.98]	LCE-2M2FBW-RG	283 [11.14]
LCE-302-RYG		LCE-3M2-RYG	
LCE-302FB-RYG		LCE-3M2FB-RYG	
LCE-302W-RYG	263 [10.35]	LCE-3M2W-RYG	318 [12.52]
LCE-302FBW-RYG		LCE-3M2FBW-RYG	
LCE-402-RYGB		LCE-4M2-RYGB	
LCE-402FB-RYGB	263 [10.35]	LCE-4M2FB-RYGB	318 [12.52]
LCE-402W-RYGB		LCE-4M2W-RYGB	
LCE-402FBW-RYGB		LCE-4M2FBW-RYGB	

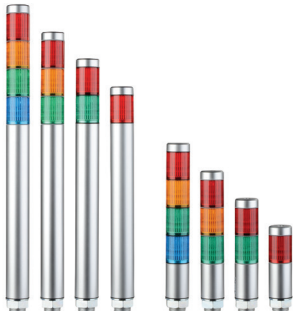


Mounting Pattern

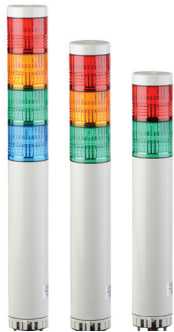


See our website: www.AutomationDirect.com for complete engineering drawings.

These rust-free aluminum body signal towers are designed to be direct mounted. LED module lenses are clear and change color when activated. The super slim design is ideal for tight spaces.



These LED towers offer superior impact and heat resistance and have an ABS resin main body. They are designed for direct mounting and have a double insulation for enhanced durability and safety.



The LCE and LR4 Series both feature low maintenance and energy efficiency using LED technology.



The LS7 Series feature a smooth body surface that reduces adhesion of water and dust. There are no exposed screws, shafts or other metals making these signal towers adaptable in many environments. This model is suitable for high pressure and high temperature wash down environments. An available model with a buzzer has a sound frequency that cuts through loud environments.

