

PATLITE

■ LCE / 40mm



TYPE 4/4X/13

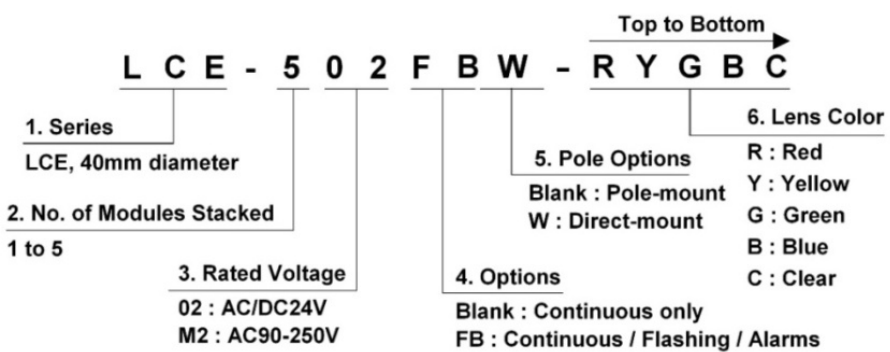
Indoor, Direct-Mount Only



The LCE Series offers the latest in LED technology. Versatile and energy-efficient.

SIZE:	40mm diameter
INPUT VOLTAGE	- AC/DC24V
OPTIONS:	- AC90-250V
FUNCTIONS	- Continuous only
AVAILABLE:	- Continuous, Flashing, Alarms
MOUNTING OPTIONS	- Pole mount: with 300mm steel pole, SZ-012 angle bracket, 2 nuts, 2 washers - Direct mount: includes 3 mounting nuts
BODY STYLE:	- Pre-assembled, pre-wired - Interchangeable and stackable after purchase
BODY COLOR:	Beige
TIERS:	1-5 modules can be stacked
MODULE COLORS:	Red / Amber / Green / Blue / Clear
ALARMS (FB STYLE ONLY):	- Alarm 1: selectable, single-tone, intermittent (fast beep) alarm, 85dB (at 1m) - Alarm 2: selectable, single tone, intermittent (slow beep) alarm, 85dB (at 1m)
RATINGS:	- CE - UL Component Recognition (US) - UL Component Recognition (Canada) - RoHS
PROTECTION:	- LCE-W: IP-65 - LCE, LCE-FBW, LCE-FB: IP-54 - Type 4 / 4X / 13 (indoor, direct-mount only)
CONTROL OPTIONS:	- Dry contact closure such as switches or relay contacts - Open-collector transistor (NPN or PNP for DC24V, NPN for AC90-250V) - Direct voltage control for DC24V, continuous and alarm functions only

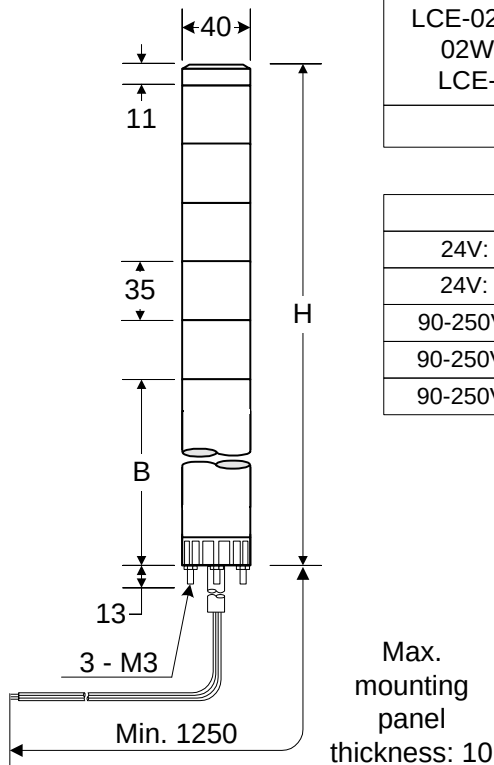
PART NUMBER GUIDE



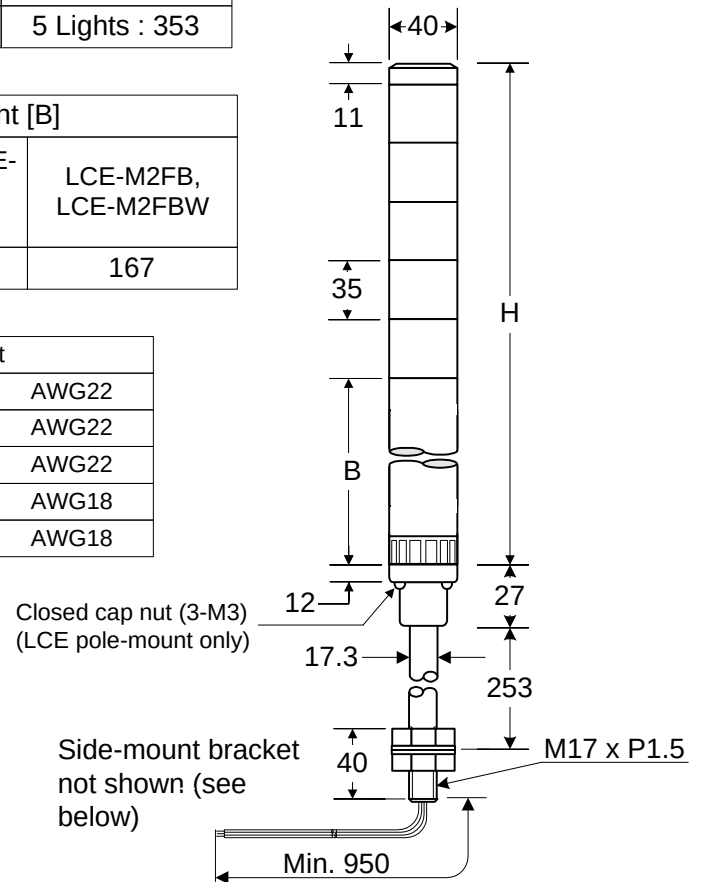
Mechanical Diagrams (Dimensions in mm)

LCE

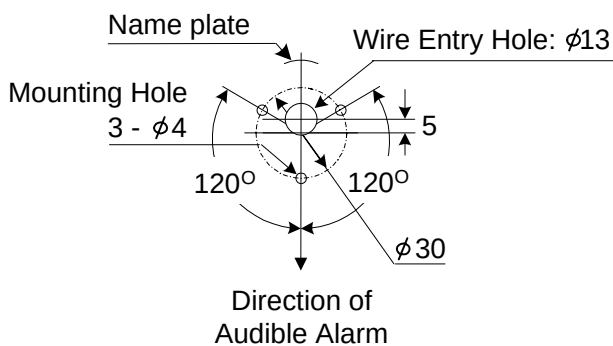
Direct Mount



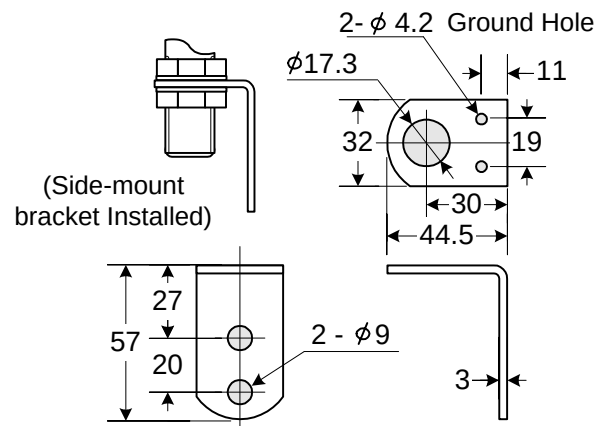
Pole Mount



Mounting Dimensions



Side-mount Bracket (Supplied)



Specifications

LCE

Input Voltage		Options		AC/DC24V		AC90-250V					
		Rated Voltage		AC/DC24V (50-60 Hz)		AC90-250V (50-60 Hz)					
		Operating Voltage		Rated Voltage + or - 10%							
Operating temperature Range		-25°C ~ +60°C									
Relative Humidity		Less than 90%									
Flashing Cycle (“FB” styles only)		60 + or – 12 flashes per minute									
Alarm Sound Level (“FB” styles only)		Max: 85 + or – 4dB (at 1m) Min: 70 + or – 4dB (at 1m)									
Alarm Sound Description (“FB” styles only)		Intermittent, single-tone; Alarm 1: fast beep, Alarm 2: slow beep									
Mounting Location Options		Indoor use only									
Mounting Direction Options		Upright only									
Protection Rating (LCE-W)		IP-65									
Protection Rating (LCE, LCE-FB, LCE-FBW)		IP-54									
Vibration		19.6m/s ² (30Hz) (2 hours each: front-back, right-left, up-down)									
Insulation Resistance		More than 1 Megohm between terminals and chassis at DC500V									
Withstand Voltage (AC/DC24V)		AC500V applied between terminals and chassis for 1 minute without breaking insulation									
Dielectric Voltage (AC90-250V)		AC1500V applied between terminals and chassis for 1 minute without breaking insulation									
Luminous Intensity (mcd = millicandela)		Red	Amber	Green	Blue	Clear					
		760mcd	830mcd	1290mcd	210mcd	400mcd					
Applicable Standards		CE	EN60958-1: 1993								
		UL	UL Component Recognition per UL-508 (File No. E215660)								
		RoHS	RoHS Directive 2005/95/EC								
Power Consumption		Red	Amber	Green	Blue	Clear	Steady	Inrush	Steady	Inrush	
AC/DC24V	Current (mA @ 24V)	28	28	22	23	23	40	250	40	250	
	Watts	0.7	0.7	0.6	0.6	0.6	1.0	-----	1.0	-----	
AC90-250V	Watts (@AC120V)	1.6	1.6	1.5	1.5	1.5	1.6	-----	1.6	-----	
	Watts (@AC240V)	2.0	2.0	1.9	1.9	1.9	2.0	-----	2.0	-----	
	Standby Power	0.8W @ AC120V					1.1W @ AC240V				
Contact Capacity (I _s = current capacity; V _s = withstand voltage; V _c = dielectric breakdown voltage; I _L = leakage current)											
AC/DC24V		Contact Capacity					Transistor Capacity (NPN and PNP)				
	LED Light Module	I _s ≥ 100mA; V _s ≥ AC35V					I _c ≥ 100mA; V _c ≥ 35V				
	Alarm	I _s ≥ 300mA; V _s ≥ AC35V					I _c ≥ 300mA; V _c ≥ 35V				
	Power Supply	I _s ≥ 500mA; V _s ≥ AC35V									
AC90-250V		Contact Capacity					Transistor Capacity (NPN)				
	LED Light Module (Signal wire)	I _s ≥ 100mA; V _s ≥ AC35V					I _c ≥ 100mA; V _c ≥ 35V				
	Alarm (Signal wire)	I _s ≥ 10mA; V _s ≥ AC35V					I _c ≥ 200mA; V _c ≥ 35V				
	Power Supply	I _s ≥25A									
	Power Supply Inrush	I _s ≥ 10A @ AC100; I _s ≥ 25A @ AC250V (200μsec)									
Leakage Current		I _L = 0.1mA or less									
Fuse (not included)		1A (250V)									