

PATLITE

■ LCE / 40mm



TYPE 4/4X/13

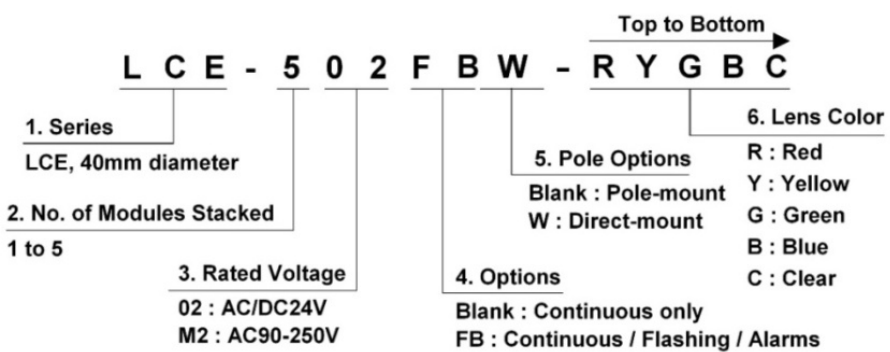
Indoor, Direct-Mount Only



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

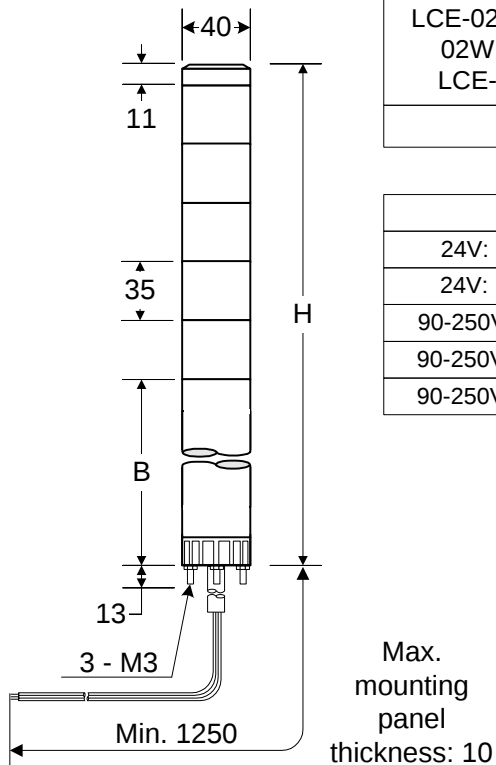
PART NUMBER GUIDE



Mechanical Diagrams (Dimensions in mm)

LCE

Direct Mount

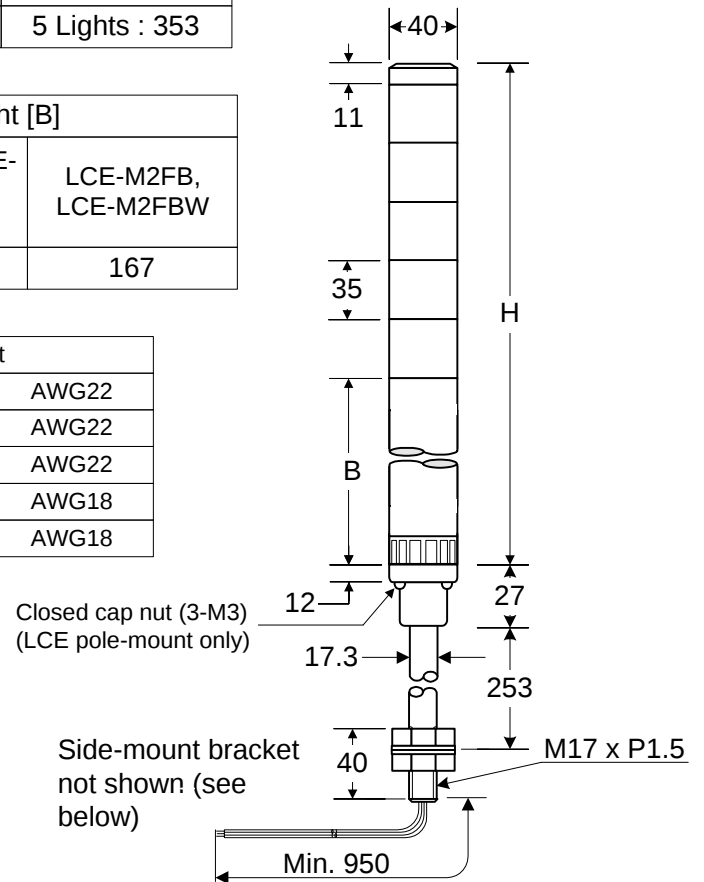


Tower Height [H]	
LCE-02, LCE-02FB, LCE-02W, LCE-02FBW, LCE-M2, LCE-M2W	LCE-M2FB, LCE-M2FBW
1 Light : 158	1 Light : 213
2 Lights : 193	2 Lights : 248
3 Lights : 228	3 Lights : 283
4 Lights : 263	4 Lights : 318
5 Lights : 298	5 Lights : 353

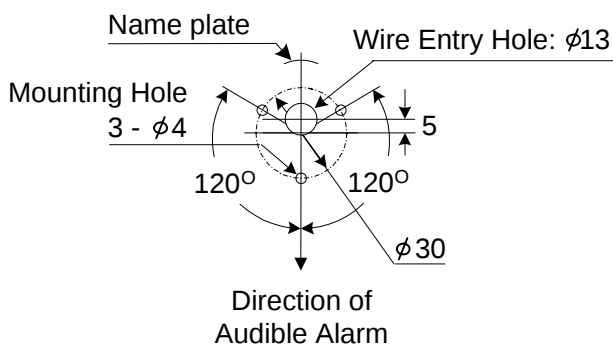
Base Height [B]	
LCE-02, LCE-02FB, LCE-02W, LCE-02FBW, LCE-M2, LCE-M2W	LCE-M2FB, LCE-M2FBW
112	167

Wire Size Chart	
24V: Signal Wires	AWG22
24V: Power Wires	AWG22
90-250V: Signal Wires	AWG22
90-250V: Power Wires	AWG18
90-250V: Ground Wire	AWG18

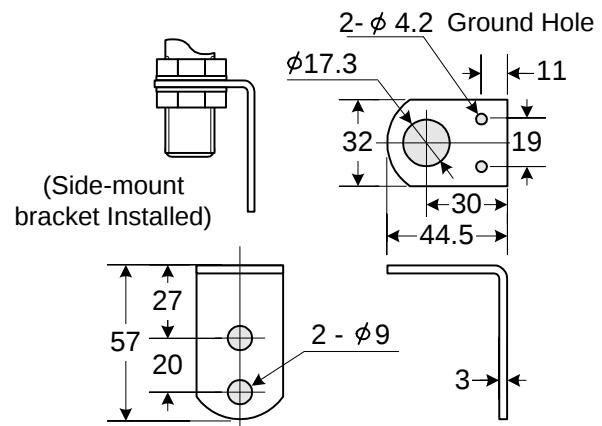
Pole Mount



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)								