BANNER ®

CL50
Column Lights

The CL50 Column Lights are rugged, cost-effective and easy-to-install multicolor indicators with highly visible illumination for clear equipment status indication.

• Up to three colors in one device for multiple status indication
• Ideal for machine process status indication and visual guidance
• Install quickly and easily, no tools required
• Large surface area can be easily seen from long distances
• Audible models available with standard or sealed audible element
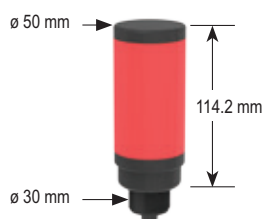• Cordsets and brackets see page 566

Audible Types

Audible
max. intensity 92 db
@ 1 meter (typical)

Sealed Audible
max. intensity 94 db
@ 1 meter (typical)

**Sealed
Omni-Directional Audible**
max. intensity 99 db
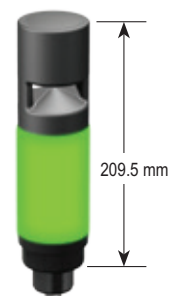@ 1 meter (typical)

ø 50 mm

ø 30 mm
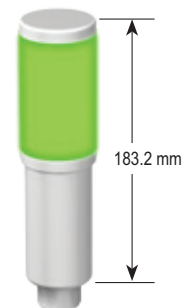
114.2 mm

145.3 mm

195.5 mm

209.5 mm

183.2 mm

**General-Purpose
IP67**

**Audible
IP50**

**Sealed Audible
IP67**

**Sealed Omni-Directional
IP67**

AC

(all models available in black or gray)

BANNER

EZ-LIGHT® CL50 Column Lights Model Key   Example Model Number **CL50GXXNQ**

Family	Supply Voltage	LED Color Sequence†			(Audible models only*)	Inputs	Housing Color	Connection
		1	2	3				
CL50		G	X	X		N		Q

Family
Blank =18-30 V dc
Z = 85-264 V ac

Supply Voltage
X = Not used
G = Green
R = Red
Y = Yellow
W = White
B = Blue

LED Color Sequence
Blank = None (IP67)
A = Audible (IP50)
ALS = Sealed Audible Continuous Tone
ALS3 = Sealed Audible Pulsed Tone
ALS4 = Sealed Audible Staccato Tone
AOS = Omni-Directional Sealed Audible Continuous Tone
AOSI = Omni-Directional Sealed Audible Continuous Tone–Intensity Adjust

AOS3 = Omni-Directional Sealed Audible Pulsed Tone
AOS3I = Omni-Directional Sealed Audible Pulsed Tone–Intensity Adjust
AOS4 = Omni-Directional Sealed Audible Staccato Tone
AOS4I = Omni-Directional Sealed Audible Staccato Tone–Intensity Adjust

Inputs
N= NPN
P = PNP
Blank = AC

Housing Color
Blank = Black
C = Gray

Connection
Blank = 2 m Integral Cable
Q = Integral QD
QP = Euro Pigtail QD

Connection options: A model with a QD requires a mating cordset (see page 566).

* Leave blank for non audible models (Non audible models rated IP67)
† Contact factory for other colors and color combinations

EZ-LIGHT® Column Light Specifications

Supply Voltage and Current	18 to 30 V dc (10% max. ripple) 100 mA max. current @ 18 V dc; 70 mA max. current @ 30 V dc **Standard Audible Alarm**: 25 mA max. current **Sealed Audible Alarm**: 35 mA max. current **AC models:** 85 to 264 V ac
Indicators	Green, Red, Yellow, Blue and White; 1-3 colors, depending on model LEDs or audible alarm are independently selected
Supply Protection Circuity	Protected against reverse polarity and transient voltage
Input Response Time	10 ms (max.)
Audible Alarm	**Standard Audible Alarm**: 2.7 KHz ± 500 Hz oscillation frequency; max. intensity 92 db @ 1 meter (typical) **Sealed Audible Alarm**: 2.9 KHz ± 250 Hz oscillation frequency; max. intensity 94 db @ 1 meter (typical)
Audible Adjustments	**Standard Audible Alarm**: Unscrew the cover (up to 1.5 turns max.) to adjust the audible intensity. (Do not exceed 1.5 turns or the cover may detach during operation.) For max. intensity, rotate the center plug 180° counterclockwise to remove it. **Sealed Audible Alarm**: Rotate the front cover until the desired intensity is reached.
Construction	**Bases and Covers**: ABS **Light Segment**: Polycarbonate
Environmental Rating	**Standard Audible**:IEC IP50 **General-Purpose and Sealed Audible**: IEC IP67
Connections	Integral 4-pin or 5-pin M12/Euro-style QD, 150 mm PVC pigtail with QD, or 2 m (6.5') integral cable, depending on model
Operating Conditions	**Temperature**: **Standard and Sealed Audible:** −20° to +50° C **General-Purpose:** −40° to +50° C **Relative humidity**: 95% @ 50º C (non-condensing) Storage Temperature: −40° to +70° C
Vibration and Mechanical Shock	All models meet Mil. Std. 202F requirements method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06", maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half sine wave.
Certifications	C E
Hookup Diagrams	LI15 (p. 1004)