

12 mm, 18 mm, 22 mm, and 30 mm Indicators

Product Overview/Selection

	Bulletin 800L — 12, 18, 22, and 30 mm Indicators - Economical, commercial-grade indicators - LED/strobe/incandescent - Shallow back-of-panel depth - Type 4/4X/13, watertight/oiltight (12 mm is Type 1) 18, 22, and 30 mm devices are rated for use in Class 1 Div. 2 Groups A, B, C, D and Class 2 Div. 2 Groups F, G.	Table of Contents Product Selection this page Approximate Dimensions..... 10-222 Standards Compliance UL 508 Certifications cULus Listed (File No. E14840, Guide No. NKCR, NKCR7) EN60947-5-1 CSA C22.2, No. 14 CE Marked
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Specifications*

Mechanical Ratings		
Vibration	10...2000 Hz 1.52 mm displacement (peak-to-peak) max./10 G max	
Shock	1/2 cycle sine wave for 11 ms ≥ 25 G	
Degree of protection	12 mm: Type 1 18, 22, and 30 mm: Type 1/4/4X/12/13; watertight/oiltight IEC 529 IP66	
Environment		
Temperature range	Operating	-40...+131 °F (-40...+55 °C)
	Storage	-40...+185 °F (-40...+85 °C)
Humidity	50% at 104 °F (40 °C)	
Lamp Ratings		
Lamp life	Incandescent	5 000 Hrs.
	LED	100 000 Hrs.
	Strobe	1 000 000 Flashes
Flash frequency	Strobe	1...2 Hz

* Performance Data — See Important- 3.

Product Selection

12 mm Indicators

Color	6 in. Pigtail Leads		Terminals	
	24V DC	120V AC	24V DC	120V AC
	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Amber	800L-12L24A	800L-12L10A	800L-12L24AS	800L-12L10AS
Blue	800L-12L24B	800L-12L10B	800L-12L24BS	800L-12L10BS
Clear	800L-12L24C	800L-12L10C	800L-12L24CS	800L-12L10CS
Green	800L-12L24G	800L-12L10G	800L-12L24GS	800L-12L10GS
Red	800L-12L24R	800L-12L10R	800L-12L24RS	800L-12L10RS

18 mm Indicators

Color	LED*			Incandescent	
	24V AC/DC	120V AC	240V AC	24V AC/DC	120V AC/DC
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Amber	800L-18L24A	800L-18L10A	800L-18L20A	800L-18C24A	800L-18C10A
Blue	800L-18L24B	800L-18L10B	800L-18L20B	800L-18C24B	800L-18C10B
Clear	800L-18L24C	800L-18L10C	800L-18L20C	800L-18C24C	800L-18C10C
Green	800L-18L24G	800L-18L10G	800L-18L20G	800L-18C24G	800L-18C10G
Red	800L-18L24R	800L-18L10R	800L-18L20R	800L-18C24R	800L-18C10R

22 mm Indicators

Color	LED*			Incandescent		Strobe	
	24V AC/DC	120V AC	240V AC	24V AC/DC	120V AC/DC	24V AC/DC	120/240V AC
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Amber	800L-22L24A	800L-22L10A	800L-22L20A	800L-22C24A	800L-22C10A	800L-22S24A	800L-22S10A
Blue	800L-22L24B	800L-22L10B	800L-22L20B	800L-22C24B	800L-22C10B	800L-22S24B	800L-22S10B
Clear	800L-22L24C	800L-22L10C	800L-22L20C	800L-22C24C	800L-22C10C	800L-22S24C	800L-22S10C
Green	800L-22L24G	800L-22L10G	800L-22L20G	800L-22C24G	800L-22C10G	800L-22S24G	800L-22S10G
Red	800L-22L24R	800L-22L10R	800L-22L20R	800L-22C24R	800L-22C10R	800L-22S24R	800L-22S10R

* LED color matches lens color specified. White LED supplied for clear selection.



Allen-Bradley

www.ab.com/catalogs Preferred availability cat. nos. are bold.

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Product Selection

Product Selection, Continued

30 mm Indicators

Color	LED*			Incandescent		Strobe	
	24V AC/DC	120V AC	240V AC	24V AC/DC	120V AC/DC	24V AC/DC	120/240V AC
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Amber	800L-30L24A	800L-30L10A	800L-30L20A	800L-30C24A	800L-30C10A	800L-30S24A	800L-30S10A
Blue	800L-30L24B	800L-30L10B	800L-30L20B	800L-30C24B	800L-30C10B	800L-30S24B	800L-30S10B
Clear	800L-30L24C	800L-30L10C	800L-30L20C	800L-30C24C	800L-30C10C	800L-30S24C	800L-30S10C
Green	800L-30L24G	800L-30L10G	800L-30L20G	800L-30C24G	800L-30C10G	800L-30S24G	800L-30S10G
Red	800L-30L24R	800L-30L10R	800L-30L20R	800L-30C24R	800L-30C10R	800L-30S24R	800L-30S10R

* LED color matches lens color specified. White LED supplied for clear selection.

800L - $\frac{30}{a}$ $\frac{L}{b}$ $\frac{24}{c}$ $\frac{R}{d}$

Indicator Size		Illumination Type		Voltage		Lens Color	
Code	Description	Code	Description	Code	Description	Code	Description
12	12 mm	C	Incandescent	24	24V AC/DC*	R	Red
18	18 mm*	L	LED*§	10	120V AC	G	Green
22	22.5 mm	S	Xenon strobe*	20	240V AC‡	A	Amber
30	30.5 mm					B	Blue
						C	Clear

* 18 mm indicators are only available with LED or incandescent illumination. For 18 mm devices with 120V incandescent lamps, it is recommended that the lens is changed with lamp replacement.

‡ LED and Xenon strobe lamps are integral to indicators and are not field replaceable. Entire indicator must be replaced upon lamp failure.

‡ Incandescent illumination not available in 240V option. For 240V strobe, order voltage code **10** (Table c) as strobe is rated for both 120V/240V AC.

§ LED color will match lens color specified. White LED supplied for clear lens.

* 12 mm devices are only available with LED illumination (24V DC or 120V AC).

Replacement Parts

Replacement Lens Caps

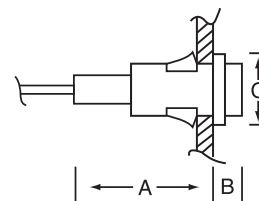
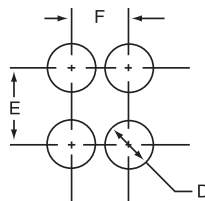
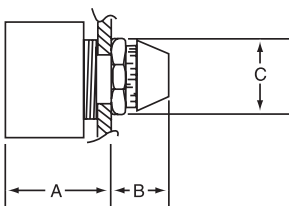
Color	18 mm	22 mm	30 mm
Red	800L-N18R	800L-N22R	800T-N26R
Green	800L-N18G	800L-N22G	800T-N26G
Amber	800L-N18A	800L-N22A	800T-N26A
Blue	800L-N18B	800L-N22B	800T-N26B
Clear	800L-N18C	800L-N22C	800T-N26C

Replacement Lamps

Lamp Type	Voltage	ANSI No.	Cat. No.
Incandescent	24V AC/DC	757	800T-N157
	120V AC/DC	949	800T-N169

► LED and Xenon strobe lamps are integral to indicators and are not field replaceable. Entire indicator must be replaced upon lamp failure.

Approximate Dimensions



Indicator	A	B	C	D	E	F
	Inches (mm)					
12 mm	1-3/32 (27.8)	5/16 (7.9)	5/8 (15.8)	1/2 (12.7)	3/4 (19.0)	11/16 (17.5)
18 mm	1-21/64 (33.7)	57/64 (22.6)	1-1/32 (26.2)	3/4 (18.6)	2-9/32 (58.0)	1-1/8 (28.6)
22 mm	1-21/64 (33.7)‡	57/64 (22.6)	1-7/32 (31.0)	15/16 (22.6)	2-9/32 (58.0)	1-8/32 (32.5)
30 mm	1-9/16 (39.7)‡	1-9/64 (29.0)	1-19/32 (40.5)	1-13/64 (30.6)	2-9/32 (58.0)	1-29/32 (48.5)

‡ For devices with strobe illumination, Dimension A for 22 mm is 2-7/8 in. (73 mm) and for 30 mm devices it is 3-1/8 in. (79 mm).