Neon and incandescent indicator lights are designed for fast, easy installation in a variety of equipment where visual evidence of proper functioning is required. Pre-assembled, they are available in a range of colors with raised or flush lens mounting.

Self-mounting neon and incandescent lights 26-3

125V and 250V neon	
312 Series AMPILLUME Indicator Lights	26-6



INDICATOR LIGHTS



ENGINEERING NOTES

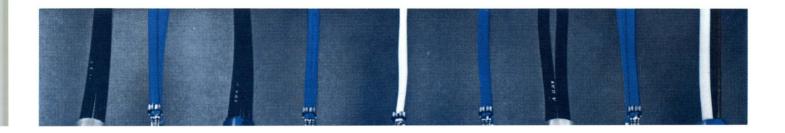




Indicator Lights

AMPILLUME Neon and Incandescent Indicator Lights

26





AMPILLUME Neon and Incandescent Indicator Lights

General Information

Note: All dimensions in inches.

Specifications subject to change. Consult AMP Incorporated for latest design specifications. AMPILLUME Indicator Lights are available in two series.

515 Series with neon or incandescent lights, snap into standard .519"/.514" diameter holes in .062"/.032" thick material. This series features flush or raised lens with voltage ratings of 6.3, 12, 24, 125 and 250 volts. All units are completely preassembled with internal wires, bulbs and resistors. All contacts are compression crimped and strain relieved. Both flush and raised lens AMPILLUME lights are self-mounting, requiring no additional hardware since integral mounting fins on the housing lock the lights securely in position.

The lenses are made of shock resistant nylon that also resists etching by fats and detergents. These durable lenses have extremely thin surface coloring to permit excellent light diffusion through the natural core. True color values are transmitted in uniform, non-directional illumination.

A complete selection of lens styles and colors are provided. The raised or "top-hat" styles are held in place by a flange with an integral stainless steel bezel. Flush lenses are available with or without the bezel. The standard colors for the neon lights are natural, red, orange, amber, yellow and green. Incandescent lights are available in standard colors plus blue and purple. All lenses can be hot stamped with up to 3 letters or numerals for special applications. (Contact AMP Incorporated for details.)

312 Series AMPILLUME Indicator Lights are completely pre-assembled of one-piece shock and grease-resistant nylon. Each unit comes complete with integral stranded wire leads of 105°C thermoplastic or asbestos insulation. Standard stranded wire lead lengths are 6" with other lengths available (see tabular data). These miniature lights easily snap into a .312" diameter mounting hole. A unique taper design firmly seats them in place and eliminates the need for mounting hardware.

312 Series AMPILLUME Lights are available in neon only for 125 or 250 volt applications. The neon lamps are rated for 25,000 hours of operation, coupled with high emission lenses yield uniform light dispersion. Lenses are available in a choice of natural, red, amber or green colors in either flush or raised styles.

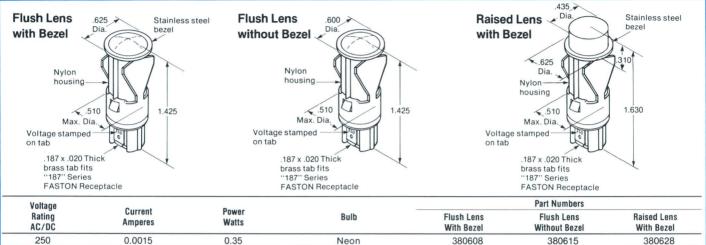
These durable miniature lights will save not only installation time and costs, but also valuable panel space. AMPILLUME Indicator Lights find wide areas of application in computer, instrumentation, consumer electronics and other diversified industries.

Both series of AMPILLUME lights are recognized under the Component Program of Underwriter's Laboratories. File No. E33731



515 Series **Neon and Incandescent Indicator Lights**





AC/DC	Amperes	Watts		With Bezel	Without Bezel	With Bezel
250	0.0015	0.35	Neon	380608	380615	380628
125*	0.0020	0.25	Neon	380607**	380614	380627
24	0.0800	1.92	Incandescent	1-380671	1-380667	1-380672
12	0.0800	0.96	Incandescent	1-380639	1-380638	1-380643
6.3	0.1500	0.95	Incandescent	1-380640	1-380641	1-380642

* When 125V lights are operated on DC the recommended voltage is 150VDC.

** For green neon version of this part only add prefix 1- plus suffix -6 (1-380607-6).

	After Catalog	After Catalog Number Specify		
Color	for Neon Bulb	for Incandescen Bulb		
Natural	-1	-1		
Red	-2	-		
Orange	-3	-3		
Amber	-4	-4		
Yellow	-5	-5		
Green	-6	-6		
Blue		-7		
Purple		-8		

"187" Series FASTON Receptacles are available in strip form for termination on your wire by automatic terminating machines. For specifications on these receptacles refer to AMP FASTON Terminal Catalog No. 73-128.

in panel .032" to .062" thick with a .519" to .514" ing in panel .063" to .500" thick use Tinnerman clip C-867-017.

Life Expectancy —

250 V and 125 V Neon Bulbs	
All colors except green	AC-25,000 hours
	DC-15,000 hours
Green lights	AC-10,000 hours
	DC- 6,000 hours
24V, 12V and 6.3V incandescent bulbs AC and	DC-20,000 hours*

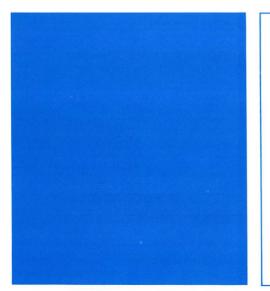
*Design life. Rated average life dependent on environmental conditions.



312 Series Neon **Indicator Lights**

Flush	→ Lens	.375 Dia.	1.657 A Nylon Nylon Nylon Max. Dia.	Raised Lens	Nylon housing	.310	B	
Voltage	Current	Power	Lead Te	Lead Termination			Part	
Rating AC/DC	Amperes	Watts	Α	В	Туре	Color	Number	
					Flush	Natural	1-380700-8	
			6'' Black, stripped .250''	6'' Black, stripped .250''	Flush	Red	1-380700-9	
					Flush	Green	2-380700-9	
125* 0.0020		0.25			Raised	Natural	2-380700-0	
					Raised	Red	2-380700-	
					Raised	Green	3-380700-	
					Flush	Amber	2-380700-	
	0.0020		10" Black, stripped .250"	10" Black, stripped .250"	Flush	Red	2-380700-3	
125	0.0020	0.25	6" Black, stripped .500"	6" Black, stripped .500"	Flush	Red	1-380700-	
			6" Red, stripped .440"	10" White, stripped .440"	Flush	Red	1-380700-	
			8'' White, ''250'' Series FASTON Receptacle #41274	8'' Blue, ''250'' Series FASTON Receptacle #41274	Flush	Red	2-380700-6	
				6'' White, ''250'' Series FASTON Receptacle #41274	6'' Blue, ''250'' Series FASTON Receptacle #41274	Raised	Red	1-380700-6
			2 ³ / ₄ " Black, "250" Series FASTON Receptacle #42400-2	2 ³ / ₄ ^{''} Black, "250" Series FASTON Receptacle #42400-2	Flush	Red	2-380700-8	
250 0.0015					Flush	Natural	1-380711-	
		6'' Black, stripped .250'' 0.0015 0.35 	6'' Black, stripped .250''	6'' Black, stripped .250''	Flush	Red	1-380711-	
					Flush	Green	1-380711-	
					Raised	Natural	1-380711-	
	0.0015				Raised	Red	1-380711-	
	0.0015			Raised	Green	1-380711-		
			6" Black, stripped .440"	6" Black, stripped .440"	Flush	Red	1-380711-	
			6" Red, stripped .500"	6" Red, stripped .500"	Flush	Red	1-380711-	
			6'' Black, stripped .440''	8'' Black, "250" Series FASTON Receptacle #42845-1	Flush	Red	1-380711-	

* When 125V lights are operated on DC the recommended voltage is 150VDC. ** #18 AWG stranded 150°C asbestos insulated lead wire.



Mounting — Self mounts in panel .032" to .062" thick with a .312" to .317" diameter hole. For mounting in panel over .062" thick use Tinnerman clip C-7817-014.

Life Expectancy —

All colors except green	AC-25,000 hours
	DC-15,000 hours
Green lights	AC-10,000 hours
	DC- 6,000 hours