# 200 Class 70mm Stacklight™



The 200 Class 70mm Stacklight™ is a versatile signaling device that may contain up to five light modules, or four light modules and one sounder module in a single, integrated stack. The lens modules are available with LED, Incandescent or Xenon strobe light sources, and in red, amber, blue, green, yellow and white. Options for Steady Burn, Flash or Multi-Mode are available. The lenses are made from a self-extinguishing polycarbonate material and are scratch and impact resistant.

Optional piezoelectric and magnetodynamic sounder modules complement the visual signals of the Stacklight™, offering several audible tones depending on the model chosen. The sound module has been designed so that it is always in the top position of the Stacklight™.

The 200 Class 70mm Stacklight™ features an interlocking system for quick assembly without any tools. It is available in industrial gray or basic black and offers multiple voltage ranges to provide solutions for most industrial applications, while also meeting machine builder and OEM requirements.

## 200 Class 70mm Stacklight™ Features

- cULus Listed
- CE approved
- IP65 or IP54 available
- Six lens colors
- Three different light sources – LED, Incandescent and Xenon
- Steady, Flash, Multi-Mode
- Available in Industrial Gray or Basic Black
- Stackable up to five modules including sounder
- Quick and simple assembly with NO tools required
- Two optional sounders available
  - Piezoelectric: Six user selectable tones
  - Magnetodynamic: 32 user selectable tones
- Multiple voltage ranges

## 200 Class 70mm Stacklight™

| Description | Cat. No.** | Operating Temp. |
|---|---|---|
| Wiring Base and Cover - Gray | **270BC**** | -22°F to 140°F (-30°C to 60°C) |

| Module Type | Cat. No.** | Operating Temp. | Lens/LED Color | Operating Voltage† | Current | Current mA (flash) Single | Double | Triple | Flash Rate |
|---|---|---|---|---|---|---|---|---|---|
| 200 Class 70mm Modules - Gray Integrated LED Steady | **270LEDS*24AD** | -22°F to 122°F (-30°C to 50°C) | Amber, Red, Yellow Blue, Green, White | 24V DC | 0.065A | | | | |
| | | | Amber, Red, Yellow | 24V AC | 0.085A | | | | |
| | | | Blue, Green, White | 24V AC | 0.075A | | | | |
| | **270LEDS*120A** | -22°F to 122°F (-30°C to 50°C) | Amber, Red, Yellow Blue, Green, White | 120V AC/DC | 0.035A | | | | |
| | **270LEDS*240A** | -22°F to 122°F (-30°C to 50°C) | Amber, Red, Yellow Blue, Green, White | 240V AC/DC | 0.035A | | | | |
| 200 Class 70mm Modules - Gray Integrated LED Multimode | **270LEDM*24AD** | -22°F to 122°F (-30°C to 50°C) | Amber, Red, Yellow | 24V AC | 0.085A | 60 | 50 | 50 | Single - 75 fpm Double - 85 fpm Triple - 85 fpm |
| | | | Blue, Green, White | 24V AC | 0.075A | 55 | 40 | 45 | |
| | | | Amber, Red, Yellow Blue, Green, White | 24V DC | 0.065A | 40 | 40 | 40 | |
| | **270LEDM*120A** | -22°F to 122°F (-30°C to 50°C) | Amber, Red, Yellow | 120V AC | 0.035A | 25 | 20 | 25 | |
| | | | Blue, Green, White | 120V AC | 0.035A | 25 | 20 | 20 | |
| | **270LEDM*240A** | | Amber, Red, Yellow | 240V AC | 0.035A | 25 | 20 | 25 | |
| | | | Blue, Green, White | 240V AC | 0.035A | 25 | 25 | 20 | |
| 200 Class 70mm Modules - Gray Steady on (bulb) LED or Incandescent | **270S*12240AD** | -22°F to 140°F (-30°C to 60°C) | Blue, Amber, Red, Green, Yellow, White | 12V AC/DC | 0.430A | | | | |
| | | | | 24V AC/DC | 0.210A | | | | |
| | | | | 48V AC/DC | 0.100A | | | | |
| | | | | 110V AC/DC | 0.035A | | | | |
| | | | | 240V AC/DC | 0.022A | | | | |
| 200 Class 70mm Modules - Gray Flashing (bulb) LED or Incandescent | **270F*1248D** | -22°F to 140°F (-30°C to 60°C) | Blue, Amber, Red, Green, Yellow, White | 12V DC | 0.430A | | | | 110 fpm (+/-20) |
| | | | | 24V DC | 0.210A | | | | |
| | | | | 48V DC | 0.103A | | | | |
| | **270F*24240A** | -22°F to 140°F (-30°C to 60°C) | Blue, Amber, Red, Green, Yellow, White | 24V AC | 0.210A | | | | 110 fpm (+/-20) |
| | | | | 48V AC | 0.103A | | | | |
| | | | | 110V AC | 0.037A | | | | |
| | | | | 240V AC | 0.027A | | | | |
| 200 Class 70mm Modules - Gray Xenon Strobe | **270STR*24AD** | 14°F to 113°F (-10°C to 45°C) | Blue, Amber, Red, Green, Yellow, White | 24V AC/DC | 0.280A | | | | 65 fpm (+/-10) |
| | **270STR*120A** | | | 120V AC | 0.048A | | | | 90 fpm (+/-20) |
| | **270STR*240A** | | | 240V AC | 0.055A | | | | 90 fpm (+/-20) |
| Piezoelectric Acoustic - Gray (IP54) | **270PZO1248AD** | -22°F to 140°F (-30°C to 60°C) | | 12V AC/DC | 0.003A | | | | |
| | | | | 24V AC/DC | 0.006A | | | | |
| | | | | 48V AC/DC | 0.013A | | | | |
| | **270PZO120240A** | -22°F to 132.8°F (-30°C to 56°C) | | 120V AC/DC | 0.004A | | | | |
| | | | | 240V AC/DC | 0.010A | | | | |
| Magnetodynamic Acoustic - Gray | **270MDA1224AD** | -22°F to 140°F (-30°C to 60°C) | See chart on page 4 | | | | | | |
| | **270MDA120A** | -22°F to 122°F (-30°C to 50°C) | | | | | | | |
| | **270MDA240A** | | | | | | | | |

*Letter in this position designates lens/LED color: A - amber, B - blue, G - green, R - red, W - white, or Y - yellow

***NOTE: Add "B" to end of the catalog number for Basic Black unit.***

†AC voltage frequency is 50/60 Hz

## Bulbs

| Description | Cat. No. | LED Color | Operating Voltage |
|---|---|---|---|
| LED Bulb | **270LED*120V** | Blue, Amber, Red, Green, White | 120V |
| | **270LED*12V** | Blue, Amber, Red, Green, White | 12V |
| | **270LED*240V** | Blue, Amber, Red, Green, White | 230/240V |
| | **270LED*24V** | Blue, Amber, Red, Green, White | 24V |
| 5W Incandescent Bulb | **2705W12V** | | 12V |
| 5W Incandescent Bulb-25 Pack | **2705W12V25PK** | | 12V |
| 5W Incandescent Bulb | **2705W120V** | | 120V |
| 5W Incandescent Bulb-25 Pack | **2705W120V25PK** | | 120V |
| 5W Incandescent Bulb | **2705W240V** | | 240V |
| 5W Incandescent Bulb-25 Pack | **2705W240V25PK** | | 240V |
| 5W Incandescent Bulb | **2705W24V** | | 24V |
| 5W Incandescent Bulb-25 Pack | **2705W24V25PK** | | 24V |
| 5W Incandescent Bulb | **2705W48V** | | 48V |
| 5W Incandescent Bulb-25 Pack | **2705W48V25PK** | | 48V |

*Letter in this position designates LED color: A - amber, B - blue, G - green, R - red, or W - white

## Accessories

| Description | Cat. No. |
|---|---|
| Junction Box - Gray | **270JBX**** |
| Footing with Extension - Gray | **270KIT**** |
| Threaded Extension Pole 100mm - Gray | **270TEP**** |
| Threaded Footing - Gray | **270THF**** |
| Threaded Wall Mount - Gray | **270TWM**** |
| Double Threaded Wall Mount - Gray | **270TWM2**** |
| 270 Flexible Steel Extension Stem - 370mm | **270FLXT** |
| 270 Stainless Steel Extension Stem - 100mm | **270SSXT100** |
| 270 Stainless Steel Extension Stem - 200mm | **270SSXT200** |
| 270 Stainless Steel Extension Stem - 400mm | **270SSXT400** |
| 270 Female Adapter Base - Gray | **270FMLADAPT** |

***NOTE: Add "B" to end of the catalog number for Basic Black unit.***



Junction Box



Threaded Footing



Footing with Extension



Threaded Extension Pole



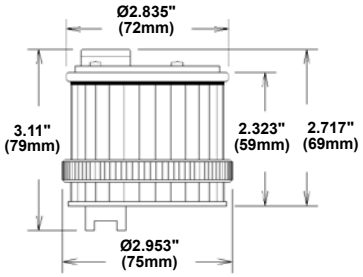
Threaded Wall Mount



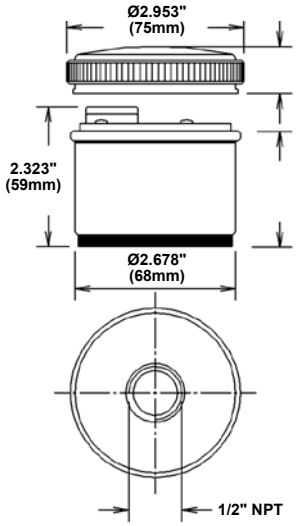
Double Threaded Wall Mount

## Dimensional Drawings

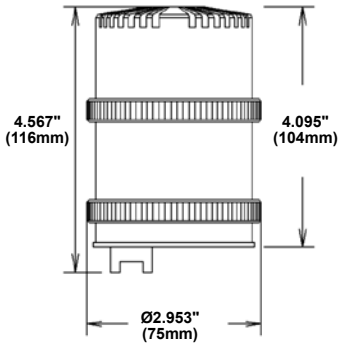
Light Module




Base and Cover




Acoustic Module







Stainless Steel Extension Stem

Flexible Steel Extension Stem

## Agency Approvals

c UL us Listed

CE

## 70mm Magnetodynamic (MDA) Acoustic Module

| Sound Type | F (Hz) | 12VDC | | 24VDC | | 12VAC | | 24VAC | | 120VAC | | 240VAC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | dB | A | dB | A | dB | A | dB | A | dB | A | dB |
| Bi-tone | 450/540 | 100 | 89 | 120 | 95.5 | 0.340 | 92.5 | 0.380 | 97.5 | 0.055 | 96 | 0.035 | 96.5 |
| | 600/700 | 125 | 90 | 150 | 96.5 | 0.380 | 92.5 | 0.450 | 99 | 0.065 | 96.5 | 0.035 | 97.5 |
| | 600/700 | 125 | 90 | 145 | 96.5 | 0.390 | 92.5 | 0.450 | 99 | 0.065 | 96.5 | 0.035 | 97.5 |
| | 800/970 | 170 | 93 | 190 | 100 | 0.485 | 95 | 0.550 | 101 | 0.075 | 99 | 0.040 | 99.5 |
| | 2400/2850 | 335 | 97.5 | 450 | 106 | 0.945 | 100.5 | 0.1060 | 107 | 0.0105 | 102 | 0.060 | 102.5 |
| Bi-tone with pause | 600/700 | 30 | 89.5 | 45 | 96 | 0.120 | 92 | 0.170 | 98 | 0.055 | 96.5 | 0.030 | 97.5 |
| | 1200/1700 | 45 | 95 | 60 | 98.5 | 0.170 | 97.5 | 0.230 | 100.5 | 0.060 | 99 | 0.035 | 99.5 |
| | 2400/2830 | 70 | 100 | 90 | 104.5 | 0.210 | 103 | 0.295 | 106 | 0.085 | 102 | 0.045 | 102 |
| Fast bi-tone | 800/970 | 170 | 92.5 | 190 | 99.5 | 0.485 | 94.5 | 0.555 | 101 | 0.075 | 99 | 0.040 | 99.5 |
| Multi-tone | 1000/1700 | 150 | 95 | 185 | 99.5 | 0.445 | 98 | 0.555 | 101 | 0.070 | 98.5 | 0.040 | 99 |
| Multi-tone (buzzer) | 800/970 | 110 | 92.5 | 140 | 96.5 | 0.370 | 96 | 0.440 | 98.5 | 0.060 | 97 | 0.035 | 97.5 |
| | 2400/2830 | 290 | 100 | 335 | 104 | 0.755 | 102.5 | 0.875 | 105.5 | 0.090 | 101.5 | 0.050 | 102 |
| Slow multi-tone | 800/970 | 110 | 95 | 140 | 99 | 0.350 | 97.5 | 0.440 | 100.5 | 0.060 | 99 | 0.035 | 100 |
| | 2400/2830 | 290 | 101 | 335 | 105.6 | 0.720 | 103.5 | 0.855 | 106.5 | 0.095 | 103 | 0.050 | 103.5 |
| Fast multi-tone | 800/970 | 110 | 93 | 140 | 97.5 | 0.350 | 96 | 0.435 | 99 | 0.060 | 97 | 0.035 | 98 |
| | 2400/2830 | 290 | 100.5 | 335 | 104.5 | 0.725 | 102.5 | 0.865 | 105.5 | 0.095 | 102 | 0.050 | 102.5 |
| Intermittent multi-tone | 500/1200 | 85 | 95.5 | 110 | 99 | 0.280 | 98 | 0.355 | 101 | 0.065 | 99 | 0.035 | 100 |
| Descending multi-tone | 1200/500 | 95 | 94 | 125 | 98 | 0.315 | 96.5 | 0.385 | 99.5 | 0.060 | 98 | 0.035 | 98.5 |
| Evacuation | 430/560 | 110 | 86.5 | 125 | 95.5 | 0.345 | 89 | 0.400 | 97 | 0.060 | 95.5 | 0.035 | 96 |
| Intermittent | 660 | 45 | 89.5 | 65 | 93.5 | 0.190 | 92 | 0.250 | 95.5 | 0.045 | 94.5 | 0.025 | 95 |
| | 660 | 45 | 90.5 | 70 | 94.5 | 0.190 | 93 | 0.240 | 96.5 | 0.055 | 95.5 | 0.030 | 95.5 |
| | 970 | 30 | 92 | 50 | 96 | 0.130 | 94 | 0.185 | 97 | 0.050 | 95.5 | 0.030 | 96.5 |
| Fast intermittent | 2830 | 200 | 96.5 | 240 | 102 | 0.600 | 99.5 | 0.705 | 102.5 | 0.080 | 98.5 | 0.045 | 99 |
| | 2850 | 170 | 95.5 | 205 | 101 | 0.550 | 98.5 | 0.585 | 102 | 0.075 | 98.5 | 0.040 | 99 |
| Slow intermittent | 660 | 50 | 90.5 | 70 | 94.5 | 0.175 | 93 | 0.240 | 96.5 | 0.055 | 95.5 | 0.030 | 95.5 |
| | 970 | 70 | 92.5 | 95 | 96.5 | 0.230 | 94.5 | 0.295 | 97.5 | 0.065 | 96 | 0.035 | 96.5 |
| Linear | 300 | 40 | 87 | 60 | 91 | 0.170 | 91 | 0.220 | 93 | 0.040 | 93 | 0.025 | 93 |
| | 500 | 65 | 89.5 | 90 | 93.5 | 0.235 | 93.5 | 0.290 | 96 | 0.050 | 95 | 0.030 | 95.5 |
| | 1000 | 125 | 92 | 160 | 96.5 | 0.385 | 94 | 0.485 | 98 | 0.065 | 95.5 | 0.035 | 97 |
| | 2830 | 320 | 97.5 | 360 | 102 | 0.770 | 100 | 0.915 | 103.5 | 0.095 | 99 | 0.055 | 99.5 |
| Modulated | 1000/1700 | 150 | 97 | 185 | 101.5 | 0.440 | 100 | 0.550 | 103 | 0.075 | 100.5 | 0.040 | 101 |
| | 1400/1600 | 165 | 95 | 205 | 99.5 | 0.470 | 98 | 0.595 | 101.5 | 0.075 | 98.5 | 0.040 | 98.5 |



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