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PowerFlare® PF-210 Safety Light Specifications Sheet

Safety Illumination and Signaling Products

There are two versions of the **PowerFlare® PF-210 Safety Light**: 1) the model PF-210 that uses a CR123 lithium battery and 2) the rechargeable model PF-210R.

	PF-210 (Non-Rechargeable, Replaceable Battery)	PF-210R (Rechargeable)																				
Dimensions	4.25" (12cm) diameter x 1.25" (3.5cm) tall																					
Weight (w/ battery)	6.7 oz. (190 g)																					
Battery (user-replaceable)	1 CR123 Lithium battery	1 RCR-123 Lithium Ion rechargeable battery (charge in the unit)																				
Flash Patterns (user-selectable) [max. Run Times, continuous] <small>Note: Listed times are for Red, Amber & Infrared LEDs. Blue, Green & White color LED versions will run about 50-80% of listed times, depending on pattern used.</small>	Solid-On High	8 hours																				
	Rotate	16 hours																				
	Alternate	10 hours																				
	Quad Blink	50 hours																				
	Double Blink	35 hours																				
	Fast Blink	20 hours																				
	Slow Blink	150 hours																				
	Solid-On Low	100 hours																				
	SOS (Morse Code) Rescue	24 hours																				
	Flashlight	25 hours																				
		<table border="1"> <tr> <td>Solid-On High</td> <td>2 hours</td> </tr> <tr> <td>Rotate</td> <td>3 hours</td> </tr> <tr> <td>Alternate</td> <td>2 hours</td> </tr> <tr> <td>Quad Blink</td> <td>10 hours</td> </tr> <tr> <td>Double Blink</td> <td>7 hours</td> </tr> <tr> <td>Fast Blink</td> <td>8 hours</td> </tr> <tr> <td>Slow Blink</td> <td>150 hours</td> </tr> <tr> <td>Solid-On Low</td> <td>36 hours</td> </tr> <tr> <td>SOS (Morse Code) Rescue</td> <td>4 hours</td> </tr> <tr> <td>Flashlight</td> <td>3 hours</td> </tr> </table>	Solid-On High	2 hours	Rotate	3 hours	Alternate	2 hours	Quad Blink	10 hours	Double Blink	7 hours	Fast Blink	8 hours	Slow Blink	150 hours	Solid-On Low	36 hours	SOS (Morse Code) Rescue	4 hours	Flashlight	3 hours
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Shelf-Life	10 years	Holds useful charge for ~30 days out of charger; but meant to be left in charger at all times																				
Operating/Storage Temperatures	Fahrenheit: -40/-40° to 212/248° F Celsius: -40/-40° to 100/110° C																					
Emission Source	360 degree LED array: solid-state; no filament																					
LED Light Colors (per unit)	Red, amber, blue, green, white, infrared (IR), red/amber combo, and red/blue combo.																					
Light Output Wavelength (nm) Color & Power (PEP)	Red: 630 @ 128,000 mcd Yellow (Amber): 595 @ 80,000 mcd Blue: 464 @ 38,400 mcd Green: 525 @ 80,000 mcd White: white spectrum @ 96,000 mcd Infrared: 890 @ 236 mW																					
Daylight & Night Visibility Ranges	Night: visible to 900M (~3,000 ft) on road or water; ~10 miles (16 km) from air Day: visible to 300M (~1,000 ft).																					
Housing Color & Material (standard)	Yellow, orange, olive drab green, blue, black, or tan polymer																					
Water Depth Rating	80' submersion																					
Buoyancy	Positive (floats) With Magnet: Negative (sinks)																					
HAZMAT	Hermetically sealed; designed to be intrinsically safe																					
Chemical	Contains no hazardous chemicals; withstands exposure to petroleum-based fuels; <i>avoid acetones and benzopyrenes</i>																					
Switch Type	Single Multi-Function Push button																					
Power	N/A	Charger PF-CHGR-206: 12-25VDC, 2.5A (max); 0.95A trickle (AC adapt. avail.) @ 12VDC (nom)																				

Approvals & Certifications

- Complies with U.S. DOT (FMCSA) 49 CFR §§ 392.25 & 393.95(g)*
- MUTCD Type A (flashing) and Type C (solid on)
- Designed to meet MIL-SPEC/MIL-STD 810 for shock, vibration, and water-resistance.

*NOTICE: Federal Regulations 49 CFR §§ 392.25 & 393.95(g) prohibit the carrying of any flame-producing flare on any Commercial Motor Vehicle (CMV) transporting explosives; any cargo of flammable liquid or flammable compressed gas, whether loaded or empty; or any CMV using compressed gas as a motor fuel. **PowerFlare®** products would be allowed on such CMVs, however.

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