



PowerFlare® PF210 Safety Light Specifications Sheet

Safety Illumination and Signaling Products

There are two versions of the **PowerFlare® PF210 Safety Light**: 1) the model PF210 that uses a CR123 lithium battery and 2) the rechargeable model PF210R which uses a user-replaceable RCR123 (R123) Lithium Ion battery that charges in the unit with a PowerFlare charger.

	PF210 Non-Rechargeable	PF210R Rechargeable
Dimensions	4.25" (12cm) diameter x 1.25" (3.5cm) tall	Same
Weight (w/ battery)	7 oz. (200 g)	same
Battery (user-replaceable)	1 ea. CR123 Lithium battery	1 ea. RCR123 rechargeable Li-Ion battery
Flash Patterns (user-selectable) [max. continuous Run Times in hours] <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 Alternate: 10 Quad-Blink: 50 Double-Blink: 35 Fast-Blink: 20 Slow-Blink: 150 Solid-On Low: 100 SOS: 24 Flashlight: 25	Solid-On High: 2 hours Rotate: 3 Alternate: 2 Quad-Blink: 10 Double-Blink: 7 Fast-Blink: 8 Slow-Blink: 150 Solid-On Low: 36 SOS: 4 Flashlight: 3
Shelf-Life	10 years	Holds useful charge for ~60 days out of charger; but meant to be left in charger when not in use.
Operating/Storage Temperatures	<u>Fahrenheit</u> : -40/-40 to 212/248 deg F <u>Celsius</u> : -40/-40 to 100/110 deg C	Same
Emission Source	360 degree LED array: solid-state; no filament	Same
LED Light Colors (per unit)	Red, amber, blue, green, white, infrared (IR); + custom colors and combinations available	Same
Light Output Wavelength (nm) Color & Peak Power (PEP) <small>Note: Red/Amber combo complies with U.S. Coast Guard 33 CFR 88.12</small>	Red: 630 @ 128,000 mcd Red/Amber Combo: 595+630 @ 104,000 mcd Red/Blue Combo: 464+630 @ 83,000 mcd 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	Same
Daylight & Night Visibility Ranges	<u>Night</u> : visible to 900M (~3,000 ft) on road or water; ~10 miles (16 km) from air. <u>Day</u> : visible to 300M (~1,000 ft).	Same
Housing Color & Material (standard)	Yellow, orange, or olive drab (OD) polymer	Same
Water Depth Rating	80' submersion	Same
Buoyancy	Positive (floats); can attach weight	Same
HAZMAT	Hermetically sealed; intrinsically safe	Same
Chemical	Contains no hazardous chemicals; withstands exposure to petroleum-based fuels; <i>avoid acetones and benzopyrenes</i>	Same
Switch Type	Push button	Same
External Power	N/A	Charger PF-CHGR-206: 12-30VDC, 1A (max.); 0.7A trickle (A/C adapter avail.) @ 12VDC nominal

Approvals & Certifications

- Complies with U.S. DOT (FMCSA) 49 CFR §§ 392.25 & 393.95(g)*
- MUTCD Type A (flashing) and Type C (solid on); "SOS" Morse code complies with U.S. Coast Guard 33CFR66 Subpart 161.013
- 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.