

PowerFlare®

PowerFlare® PF-210 Safety Light



The original and most popular military-grade beacon on the market

Traffic Control
Rescue Signal
Vehicle Breakdown
Boating/Marine
Tactical Police/SWAT
Military Operations
Explosions



Fatality Accidents
Major Investigations
Power Blackouts
Helicopter Landing Zones
Floods * Earthquakes
Hurricanes * Tornadoes
Train Wrecks

Flight Light Inc.

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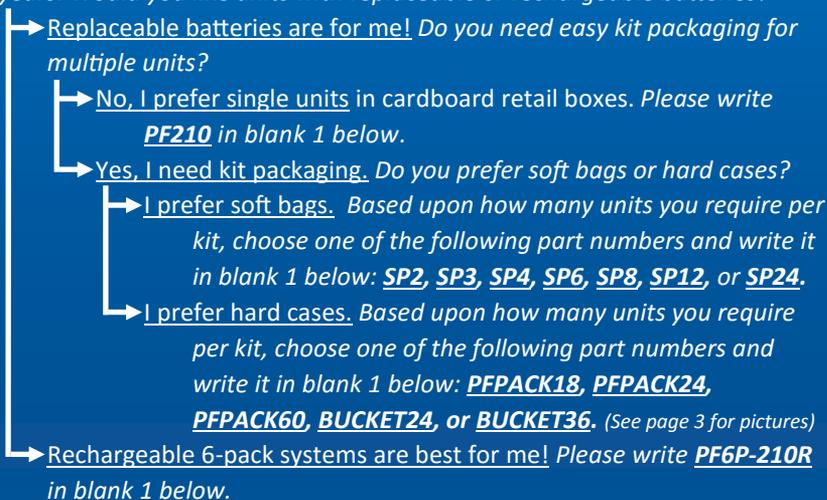
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Choosing Your PowerFlare

Here's a quick and easy way to get the part number for your ideal PowerFlare® product. Using the area at the bottom of the page. Write in your part number as you work through the steps. When you're finished, you'll know exactly what to order!

1. *Replaceable batteries offer longer run times, and rechargeable batteries offer more cost savings over time as batteries only need to be replaced every few years. Would you like units with replaceable or rechargeable batteries?*



2. *Would you like magnets? (They can hold your PowerFlare to ferrous metals but also can pick up debris, scratch surfaces, and should not be run over.)*

→ No, I do not need magnets. Please leave blank 2 empty.

→ Yes, please attach magnets to my beacons. Please write **M** in blank 2.
3. *If blank 1 below starts with either **SP**, **PFPACK**, or **BUCKET**, choose your bag, case, or bucket color from the chart on page 3, then write the letter(s) in blank 3. If blank 1 starts with **PF210** or **PF6P**, leave blank 3 empty.*
4. *Next, choose your LED Color: Amber, Blue, Green, Infrared (requires night vision goggles), Red, Red/Amber (**RA**) combination, Red/Blue (**RB**) combination, or White and add the underlined letter(s) to blank 4.*
5. *Finally, choose your PowerFlare shell color: Yellow (Y), Orange (O), Blue (BL), Black (BK), Olive Drab Green (OD), or Tan (T), and add the underlined letter(s) to blank 5.*

_____	_____	_____	_____	_____
1	2	3	4	5

Now simply combine, keeping the hyphens and removing all of the spaces to obtain your part number!

Part Number	Colors available	Color Code Letter(s)
PF210		Single unit box made from 100% recycled cardboard!
SP2		<u>O</u> range, Black (<u>BK</u>), Olive Drab (<u>OD</u>)
SP3, SP4		<u>O</u> range, <u>Y</u> ellow, Black (<u>BK</u>), Olive Drab (<u>OD</u>), <u>R</u> ed
SP6, SP8		<u>O</u> range, <u>Y</u> ellow, Black (<u>BK</u>), Olive Drab (<u>OD</u>), <u>R</u> ed (marked "Triage Marker Lights")
SP12, SP24		Black (<u>BK</u>) (Parallel zippered compartments)
BUCKET24, BUCKET 36		<u>Y</u> ellow (All buckets feature the Gamma Seal® Easy-Twist On/Off Resealable Lid)
PFPACK18, PFPACK24		<u>Y</u> ellow, <u>O</u> range, Olive Drab (<u>OD</u>), Black (<u>BK</u>), <u>T</u> an
PFPACK60		Black (<u>BK</u>) (Features roller wheels and an extendable handle)

**All soft pack bags have a separate zippered compartment for the spare batteries and instructions.*



Amber



Red



Blue



Red/Amber (RA)



Green



Red/Blue (RB)



Infrared
(requires night-vision goggles)



White



As an added feature, all packages starting with SP, PFPACK, or BUCKET come with a spare battery for each beacon in the kit!

Packaging Solutions

Every LED/shell color combination (see page 2-3) is available.
Find even more options on our website!

	<p>Part number shown: PF210-R-Y. Single PowerFlare Safety Light with red LEDs in a yellow shell with standard retail packaging</p>
	<p>Part number shown: SP20-R-Y. 2-pack with orange custom carry bag, 2 spare batteries and 2 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>
	<p>Part Number Shown: SP3Y-R-Y 3-pack with yellow custom carry bag, 3 spare batteries and 3 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>
	<p>Part Number Shown: SP4Y-R-Y 4-pack with yellow custom carry bag, 4 spare batteries, and 4 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>
	<p>Part Number Shown: SP6Y-R-Y 6-pack with yellow custom carry bag, 6 spare batteries, and 6 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>
	<p>Part Number Shown: SP80-R-Y 8-pack with orange custom carry bag, 8 spare batteries, and 8 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>
	<p>Part Number Shown: PF6P-210R-R-Y 6-pack rechargeable system containing 6 rechargeable PowerFlare Safety Lights with red LEDs in a yellow shell. 12v car charger standard. 120v AC adapter available upon request.</p>
	<p>Part Number Shown: PFPACK24Y-R-Y 24-pack with yellow custom carry case, 24 spare batteries, and 24 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>
	<p>Part Number Shown: BUCKET24Y-R-Y 24-pack with yellow custom carry case, 24 spare batteries, and 24 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>
	<p>Part Number Shown: BUCKET36Y-R-Y 36-pack with yellow custom carry case, 36 spare batteries, and 36 PowerFlare Safety Lights with red LEDs in a yellow shell.</p>

Traffic Cone Adapter

When traffic control, construction, or accident scenes need elevated lighting for extra visibility, PowerFlare Safety Lights can be mounted on top of any standard traffic cone using our patent-pending cone top adapter. Less contact with the ground helps to keep your lights cleaner too!



Part #:
CTA-001

Includes a spare elastic cord.



Superior visibility in all conditions.

The Cone Top Adapter can be used with magnetic PowerFlare Safety Lights, which hold securely to an embedded metal disc, allowing for quick and easy installation and removal. For PowerFlare lights without magnets, elastic cords (included) make securing the beacon a snap!



CTA-001s can be added to any order!



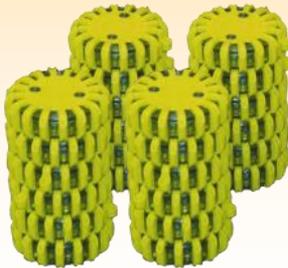
If Cone Top Adapters are added to a PowerFlare kit order, the appropriate packaging will be provided.



Bucket of Beacons

For those times when the traffic control or work scene situation calls for a larger quantity of PowerFlare Safety Lights to be quickly deployed and retrieved, these buckets of beacons are just what you're looking for!

The buckets come in two sizes with white easy-twist on/off reseal lids and are filled with enough beacons to adequately and clearly mark off a safety zone. Used for road closures, traffic control points, DUI checkpoints, work zone protection, border security, and much more.



Small Buckets
3.5-Gallon Size:
Holds up to 24
PowerFlare Lights.

Large Buckets
5-Gallon Size:
Holds up to 36
PowerFlare Lights.



All buckets feature the
Gamma Seal® Easy-Twist
On/Off Resealable Lid



**You buy the PowerFlare Lights
and the bucket is FREE!**

Buckets come standard with
a spare CR123A lithium
battery for each beacon.



Magnetic Attachment Options

A permanent magnet can be added to any PowerFlare Safety Light at the factory, enabling the beacon to be attached to many metal objects. Unlike others, this magnet is made from rare-earth metals and has a secure 35-pound attaching force. Not recommended for use on the roadway as the magnet may loosen or crack under heavy vehicles.

Possible uses include:

- Lock out/tag out
- Underwater attachment to boats and ships to designate work areas*
- Work project markers
- Temporary equipment markers
- Factory aisle/walkway markers
- Color-code cargo containers
- Mark suspect cargo
- Emergency response site marker
- Incident command vehicle marker
- Hydrant marker



*While still waterproof, the addition of a magnet will cause the beacon to lose its positive buoyancy and sink in water.



Magnets can be attached to all PowerFlare Safety Lights. They make the traffic cone adapter easier to use (we actually designed it around the magnetic PowerFlare light!) and have no effect on the rechargeable system.



*100-240v AC adapter for 6-pack available upon request

Removable Magnetic Attachment Kit

For those looking for a removable magnetic option, this kit (PF-MAG-KIT) consists of a strong, 33-pound pull magnet and a PowerFlare carabiner. Together, these two items allow the attachment of the PowerFlare Safety Light to any ferrous metal surface, yet easily detaches allowing the Safety Light to be used for other purposes on the ground such as traffic control, helicopter landing zones, or work zone safety.



Disclaimer: If the permanent magnetic version of the PowerFlare Safety Light is used on the roadway there is a good chance the magnet will pick up small bits of metal road debris. This may result in scratched painted surfaces if the beacon is subsequently applied to a vehicle. PowerFlare Corporation and/or PF Distribution Center, Inc. will not be held liable for any damages or scratches caused, directly or indirectly, as a result of any magnet application. Basically, be careful!

Disaster Response Kit

Developed specifically to assist our nation's military and civilian first responders to manage large chaotic scenes, the Disaster Response Kit includes enough assorted beacons to define triage and decontamination areas, temporary landing zones, paths to safety for civilians, closed roads, and covert marking of any threats. Please choose from packaging options at the bottom of this page.

The kit includes:

- One Triage Marker Light Kit including four magnetic PowerFlare lights (for easy mounting on raised metallic surfaces), with the following LED/Shell Colors: Red/Orange, Amber/Yellow, Green/Olive Drab, Blue/Black
- One temporary LZ Marking Light kit, enough to quickly create many of the most common landing zone configurations. This kit includes the following beacons:
 - Four red LED in orange shell, one white LED in tan shell, and one blue LED in blue shell.
 - Two white LED beacons in black magnetic shell
 - Two green LED beacons in OD green magnetic shell for marking command posts/vehicles
 - Five red LED beacons in orange shell to mark closed roads/areas, or traffic control
 - Five amber LED beacons in yellow shell to mark paths to safety or traffic control
 - 24 spare CR123A lithium batteries



Part #: DRK-001

Packaging Options

For Disaster Response Kits, Multipack24s and PowerPack24s, choose a hard case in tan, black, orange, olive drab, or yellow, a black BAG24, or a yellow BUCKET24.



Multipack24

When the situation requires a series of multiple warning or marking lights of various colors, this rugged carrying case of 24 non-rechargeable PowerFlare Safety Lights provides an efficient, cost effective method to quickly and safely get the job done.



The MultiPack24 contains the following beacons:

- (4) Infrared LED in olive drab shells - Special Ops
 - (4) Red LED in yellow shells - TCPs/Emergencies
 - (4) Blue LED in blue shells - Enforcement/Patrol
 - (4) Green LED in tan shells - Command Posts
 - (4) White LED in black shells - Signaling/LZs
 - (4) Amber LED in orange shells - Warning/Flooding
 - 24 spare CR123A lithium batteries (further customization options available)
- See the bottom of page 8 for packaging options.

PowerPack24 Traffic Control Kit

When the situation requires large-scale traffic control, this rugged carrying case of 24 non-rechargeable PowerFlare Safety Lights provides an efficient, cost-effective method of quickly, clearly, and safely controlling traffic.

- Road closures/traffic control
- Crime scene/accident investigations
- DUI or crime checkpoints
- Incident trailers/command vehicles
- Evacuation routes
- Designate hazards or danger zones
- Hurricane/tornado/flood road markers
- Designate entry/exit routes or search grids
- Political, sporting, tradeshow, or public events
- Fuel spill or gas leak warning - HAZMAT safe
- Stakeouts (mark target building with *infrared* units)
- Identify personnel in hazardous situations/fire lines
- Includes 24 spare CR123A lithium batteries.

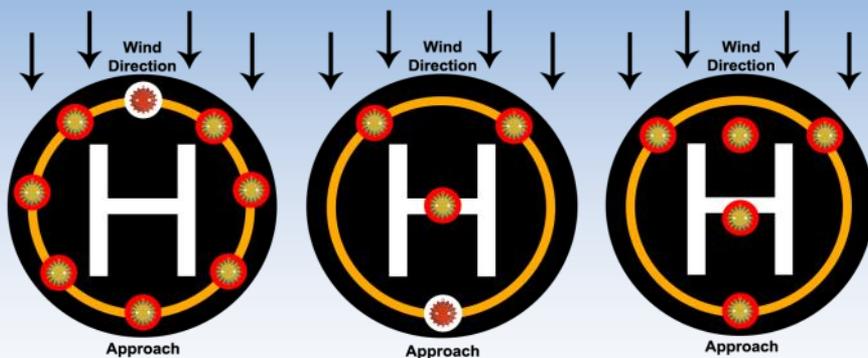
See the bottom of page 8 for packaging options.



Need even MORE? Turn to page 12 to see our PowerPack60!

LZ Kits

For rapidly deployable anytime, anywhere helicopter landing zones, PowerFlare Safety Lights, provide a quick and highly effective solution for emergency responders and hobbyists alike!



LANDING ZONE KIT – COMMON CONFIGURATIONS

Non-Rechargeable



Rechargeable 6-pack*



*100-240v
AC adapter
available
for 6-pack
upon
request



We recommend 5 PowerFlare Lights
with red LEDs and one with white LEDs.



LZ Kit pricing varies with LED color, magnets, beacon quantity,
and style (rechargeable or non-rechargeable).

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Tactical Uses—Infrared

In addition to the many uses for our family of visible lights, we also offer suggestions on ways the PowerFlare *Infrared* Tactical Light can be used in both military and police SWAT operations.

Soft-Pack Non-Rechargeable Kits

Part #: SP6OD-I-OD



2-Pack Individual



Contains:
1 ea. Infrared Beacon
1 ea. Red LED Beacon
2 ea. Spare Batteries

- Clandestine operations (drop *Infrared* unit at suspect site)
- Convoys, convoy kits
- Designate hazards or danger zones
- Mark cleared rooms or dangerous areas
- Landing Zones - LZ's
- Covert drop zones - place at zone or on cargo
- HALO, HAHO
- Evacuation routes
- Covert extractions
- IED markers
- Identify personnel & vehicles (IFF)
- Signaling/Illumination (10 flash patterns allow strategic messaging)
- Stakeouts (marked target building with *infrared* unit)
- SWAT (distraction beacon & *infrared* flashlight mode)
- Target designation (*Infrared*)
- Canine and mounted units (attach to harness)
- Aerostat avoidance lighting

Rechargeable Kit* PF6P-210R-I-OD



*100-240v AC adapter for 6-pack available upon request



PowerPack60

When the situation requires a large number of warning or marking lights, this rugged carrying case of 60 non-rechargeable PowerFlare Safety Lights provides an efficient, cost-effective method of quickly and safely getting the job done.



- Includes 60 spare CR123A batteries in plastic battery boxes with custom bag
- Complete kit weighs 43 lbs.

- Road closures/traffic control
- DUI or crime checkpoints
- Evacuation routes
- Temporary runways
- Search & extraction
- Incident trailers/command vehicles
- Crime scene/accident investigations
- Designate hazards or danger zones
- Hurricane/tornado/flood road markers
- Designate entry/exit routes or search grids
- Political, sporting, tradeshow, or public events
- Fuel spill or gas leak warning - HAZMAT safe



All LED and shell color combinations available

Traffic Control Kit



All LED and shell color combinations available

The Traffic Control Kit is the perfect solution for your traffic control needs. This kit includes five 12" traffic cones, five magnetic PowerFlare lights, and five CTA-001 Cone Top Adapters to securely attach the PowerFlare Lights to the traffic cones. All of this fits comfortably into our custom duffel bag, along with 12 spare CR123A lithium batteries for easy carrying from one area to another. This kit is GREAT for crossing guards or anyone else who only needs to control an intersection or other small area temporarily each day.

Triage Marker Light Kit

The PowerFlare Safety Light has now been configured into a Triage Marker Light Kit which can be stored conveniently in a mass casualty incident trailer or first responder vehicle. The lights are packaged in a clearly visible red bag allowing for quick identification and rapid deployment. The marker lights can be used during night time operations or inclement weather to identify casualty treatment areas in conjunction with commercially available treatment area marker flags. The LED colors match those on the treatment tags and the treatment area tarps.



Part #: SP4-TL

The PowerFlare® Electronic LED Triage Marker Light Kit comes in two sizes (shown left and below). Each kit comes with a set of spare commercially available CR123A lithium batteries.

- Can be clipped onto flag stands or tent poles, or add our heavy duty magnets (see page 13) for added functionality
- LED/Shell Colors: Red/Orange: Emergency, Amber/Yellow: Urgency, Green/Olive Drab: Less urgency, Blue/Black (optional White/Black): Morgue



Part #: SP8-TL

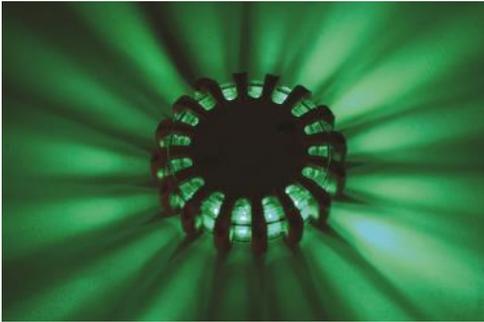
Environmental Benefits:

Did you know that according to one study*, a SINGLE perchlorate road flare can contaminate up to 7,650,000 12 oz. glasses of drinking water?

* *Perchlorate from Safety Flares – A Threat to Water Quality*, Santa Clara County Water District, 2004



The PowerFlare Safety Light is a viable, safe, eco-friendly replacement for incendiary road flares. There is no smoke or chemical residue left behind and they are reusable. The LED lights will last for decades.



All Night Road Closure

Invented by a police officer, the PowerFlare Safety Light is for the serious professional and should be an essential piece of equipment for police, firefighters, EMTs, rescue first responders, and members of emergency response teams.

The simple-to-use PowerFlare Safety Light is an extremely rugged, military-grade safety device designed to replace incendiary flares. PowerFlare features long-lasting LED light technology, intelligent electronic circuitry, and unparalleled physical durability, extending its usage to applications far beyond traffic safety.

Each PowerFlare unit is about the size of a hockey puck and is strong enough to withstand being run over by heavy vehicles. Used by military, fire, police, DEA, FBI, CIA and other government agencies. Each rugged 4-inch rubberized disk weighs 7 oz. has 16 LEDs with 10 flash patterns, including strobes, rotational, solid-on, SOS, and a single tactical flash. Each unit can turn on and off while retaining memory of the last pattern used. PowerFlare lights are waterproof, float, and can be run over by any vehicle on the road. PowerFlare lights are powered by either a replaceable single CR123A lithium battery or a rechargeable RCR123A battery that is charged inside the PowerFlare using a 6-position charging station with AC or DC power cords available.

	<u>Replaceable CR123A Lithium Metal battery</u>	<u>Rechargeable RCR123A Lithium Ion battery</u>
Battery	1 CR123A Lithium battery	1 RCR123A rechargeable Li-Ion battery
External Power	Replacement Non-rechargeable CR123A Battery	<u>Charger PF-CHGR-206</u> : 12-30VDC, 1A (max.) car charger; 100-240v AC adapter available
Operating & Storage Temps	<u>Fahrenheit</u> : -40/-40 to 212/248 degrees Fahrenheit <u>Celsius</u> : -40/-40 to 100/110 degrees Celsius	
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.).	
Water Depth Rating	80' submersion	
Flash Patterns (User-Selectable) Max. Run Times, Continuous <i>Note: Times listed are for red, amber, and IR LEDs. Blue, Green & White color LED versions will run from 50-80% of listed times depending on pattern used.</i>	<u>Flash Pattern</u>	<u>PF-210</u> <u>PF-210R</u>
	Solid-On High:	8 hours 2 hours
	Rotate:	16 hours 3 hours
	Alternate:	10 hours 2 hours
	Quad-Blink:	50 hours 10 hours
	Double-Blink:	35 hours 7 hours
	Fast-Blink:	20 hours 8 hours
	Slow-Blink:	150 hours 150 hours
	Solid-On Low:	100 hours 36 hours
	"S-O-S":	24 hours 4 hours
	Flashlight:	25 hours 3 hours

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