



Developed with NSRDEC



Easy Installation and One time set-up



Full Dimming Capability



Patented Light Technology



Continuous light source



AC and DC input power options

THE **FD9** AT A GLANCE
Light System



Frontline Lighting has expanded its' innovative range of proven Military MFlex™ Light Systems to provide lighting for Humanitarian, Military and First Responder applications. By leveraging our patented technology, coupled with unique innovation, we deliver products that perform in the most demanding and challenging environments.

The FD9 Light System uses the same advanced design used in the MFlex™ Light System (MLS) allowing for rapid installation. Once the the light is deployed in its environment,the tent can be deinstalled and the lights can remain intact. The FD9 has a dimmable Main Control Box with a numerical indicator, allowing for tunable light from low to high settings allowing users to conserve power when operating by battery. The FD9 significantly reduces shadowing which improves visibility within the shelter when compared with tube and pedant type fixtures.

Our innovative technology is lightweight and water resistant. The system can operate using either AC, DC and 24V Battery power sources.



KIT BAG

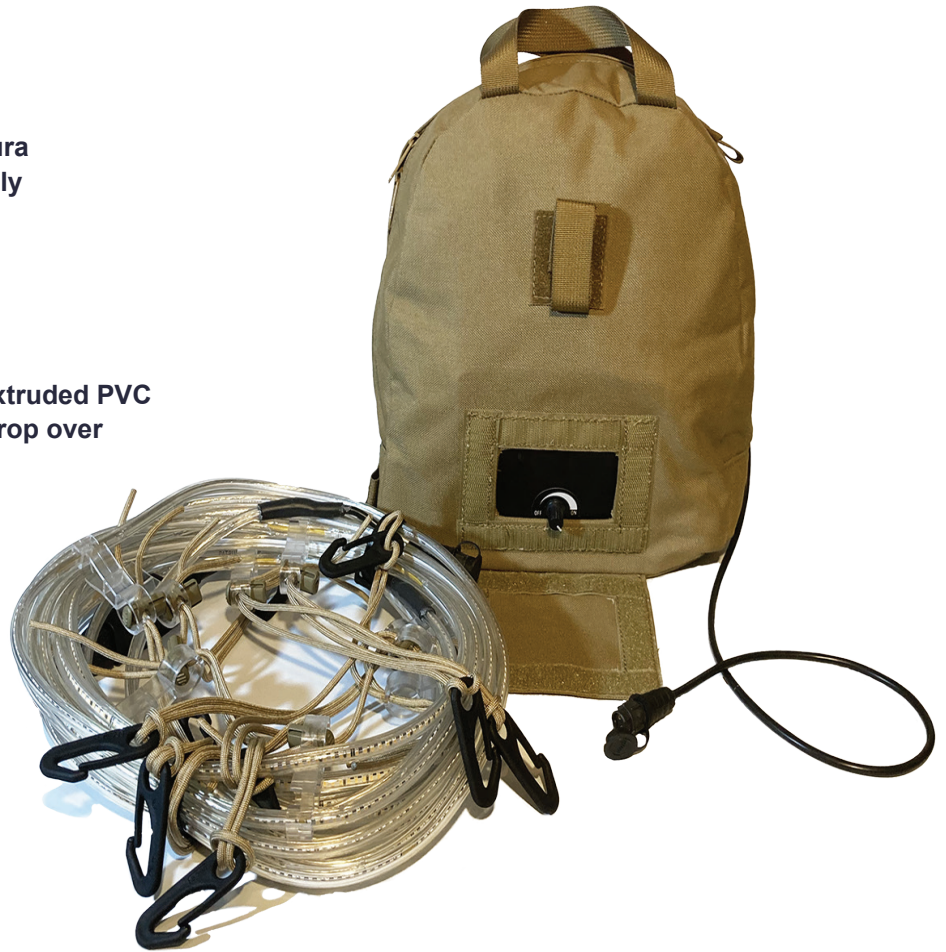
- Made from Waterproof and Rugged Cordura
- Incorporated control box and power supply
- Deployed weight 6.5lbs / 3kg

MFLEX LIGHT

- 30ft Length of White light, 73LED's p/ft
- MFlex light is incorporated into an IP67 extruded PVC
- Patented technology minimizes voltage drop over extended lengths 39ft < 10% drop
- Molded connections with incorporated seal-locking connectors

CONTROL BOX

- Ergonomic switch
- Dimmable channel
- Illuminating power level display



LIGHT CHARACTERISTICS;

Type	MFlex LED
Lifetime (typ)	>50,000 hrs
Light Strip Length	30 feet / 9.14 meters
Dimesions (in)	0.35in x 0.25in
Dimesions (mm)	9mm x 6.5mm
Power	24vdc
Amps	0.018 in / 0.6 m
Watts	0.45 in / 15 m
Lumens (avg)	290 ft / 870 m
CCT	4200K
CRI	94
IP Rating	IP67
Voltage Drop	<10% / 39ft

POWER SUPPLY;

Type	LED Driver
Input	110 - 277 AC
Hertz	50-60hz
Output	24vdc
Amps	8.4 / 10
Watts	200W / 240W
Operation	CC + CV
Power Factor	Active PFC: .95
IP Rating	IP65
IK Rating	IK16
Lifetime (typ)	>50,000hrs

KIT CONTENTS;

	WHITE
Kit Bag	●
Power Supply	●
Control Box	●
White Light Strip	●
Mounting Kit	●
Hanging Clips	●
DC battery cable	Optional

PHYSICAL SPECIFICATIONS;

Full MLS Kit Weight	6.5lb / 3kg
Bag Dimensions (in)	11 x 13.5 x 6
Bag Dimensions (mm)	280 x 350 x 150
Ambient operating temperature	-4°F to +185°F

OPERATING ENVIRONMENT;