



Certified and Tested



Developed with NSRDEC



Easy Installation and One time set-up



White and Blackout Lights



Full Dimming Capability



Patented Light Technology



Reduce Military SWaP-C

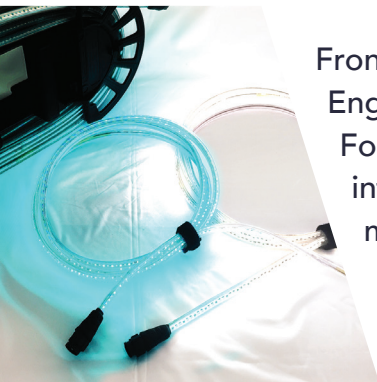
THE MFlex AT A GLANCE
Light System

Frontline lighting worked with the US Army Soldier Research Development and Engineering Centre to develop an integrated LED lighting technology for the Military. Following testing and field trials the light was introduced to the US military. Since its introduction over 700 MFlex Light systems have been sold to a broad cross section of military units. Sales have also taken place with the UK and Dutch militaries.

The ergonomic design allows for rapid installation. Once the lights are hung in the tent, they may be left installed and the tent stored, allowing for one time setup.

The MFlex Light System (MLS) has an integrated Power Supply and Dimmer Switch ensuring ease of use and all critical operating parts remain intact.

The MLS significantly reduces shadowing compared with tube and pedant type fixtures. Frontline has built the MLS to operate in rugged environments. The MFlex technology is light weight and water resistant. The MLS can operate using either AC or optional DC power sources.



MFlex



Standard

MLS KIT BAG

- Made from Waterproof and Rugged Cordura
- Incorporated control box and power supply
- Molle and Velcro attachment system
- Internal component pouch

MFLEX LIGHT

- 12m Length of White light, 240LED's p/m
- 12m Length of Blackout light, 240LED's p/m
- MFlex light is incorporated into an IP67 extruded PVC
- Patented technology minimises voltage drop over extended lengths 12m < 10% drop

CONTROL BOX

- Two dimmable channels for white and black out lights
- One IP67 USB port
- Control box securely mounted inside bag

HEAVY DUTY CABLE

- Custom moulded connections with incorporated seal-locking system
- IP67 rated
- 6m cable length to light
- Double insulated
- Labelled connectors



LIGHT CHARACTERISTICS;

Type	MFlex LED
Lifetime (typ)	>50,000 hrs
Light Strip Length	12 meters
Dimensions (mm)	9mm x 6.5mm
Dimensions (in)	0.35in x 0.25in
Power	24vdc
Amps	0.6 /m
Watts	15 /m
Lumens	870 /m avg
CCT	4200K
CRI	94
IP Rating	IP67
IK Rating	IK16
Voltage Drop	<10% / 12m

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	IP67
IK Rating	IK16
Lifetime (typ)	>50,000hrs

KIT CONTENTS;

	WHITE/BLACKOUT	WHITE
Kit Bag	●	●
Power Supply	●	●
Control Box	●	●
White Light Strip	●	●
Blackout Light Strip	●	
Mounting Kit	●	●
Velcro Straps	●	●
Hanging Clips	●	●
DC battery cable	Optional	Optional

PHYSICAL SPECIFICATIONS;

Full MLS Kit Weight	12lb / 5.5kg
Bag Dimensions (in)	11.8 x 15.7 x 4.7
Bag Dimensions (mm)	300 x 400 x 120

OPERATING ENVIRONMENT;

Ambient operating temperature -20°C to +85°C