



*AI generated image based on predefined parameters*

## Berry-Amendment compliant and manufactured in the USA

The TALIS (Tactical Lighting System) is a patented lighting system which addresses the Warfighters requirements for SWaP-C (Size, Weight, Power and Cost) flexibility and ease of operation. Unlike any other lighting system in the market today, TALIS will positively impact your deployment times.



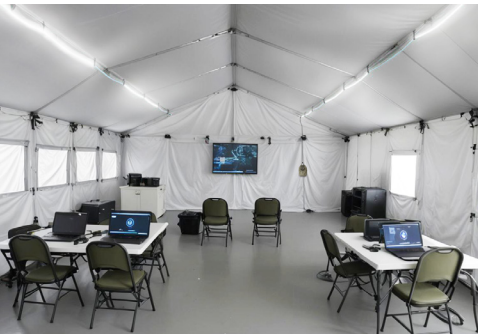
Equipped with a user-friendly toggle switch, the TALIS seamlessly transitions between white and blackout lighting, allowing users to fine-tune brightness using the convenient dimmer control. Our patented Single Strand integrates white and blackout lighting into a single string and is built to IP67 standards ensuring durability and reliability. The TALIS was designed to operate even if a section becomes damaged. Power will flow through the light bypassing the damaged section.

The TALIS is Berry-Amendment compliant and manufactured in the USA. It is an excellent, bright solution for new shelter lighting or a perfect replacement for existing LED or fluorescent lighting systems. TALIS is a lighting product that meets your demanding needs.

# TALIS Features



- Reduced Size, Weight, Power and Cost (Improved SWaP-C)
- Integrated white and blackout lighting into 1 single strand of light
- Patented lighting designed to operate if a section becomes damaged
- Flexibility allows implementation of light where needed
- Replacement or upgrade for existing LED or fluorescent lighting
- Comes pre-installed with hangers making installation easy
- Even light distribution without bright spots
- Brighter than competitive light systems
- Low thermal signature
- Manufactured in the USA
- For medical applications, our blackout wavelength provides medical personnel an ability to distinguish between blood and other bodily fluids in blackout conditions
- Operates via a standard BB-2590/U battery (With optional Frontline Battery Cable)

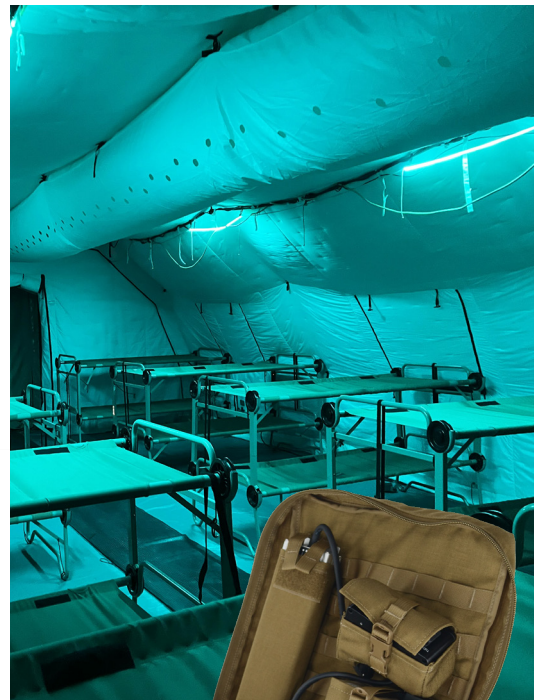


TALIS White



Employing the latest LED technology the TALIS system is a step ahead of other lighting products.

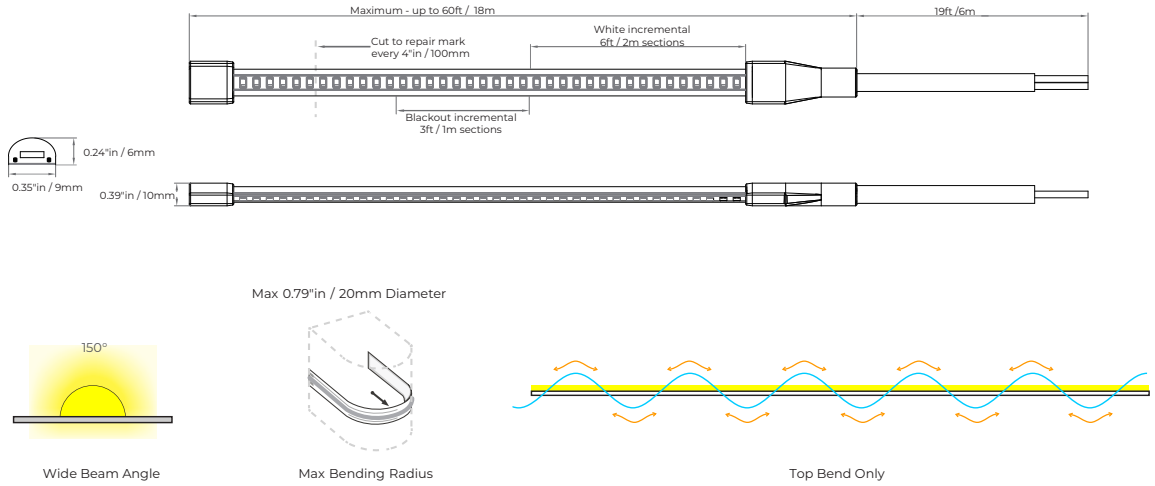
TALIS Blackout



The patented Single Strand Flex (SSF) integrates white and blackout lighting into one single strand



# Dimension / Diagram



# Variations

Model No.	Number and Length of SSF	Total	Available in
	<b>SYSTEM LIGHT DESCRIPTION</b>	<b>TOTAL LENGTH</b>	<b>White   W+Blue-Green</b>
TALIS - 1 - 3M	1 length of 3m TALIS light	10ft / 3m	● ●
TALIS - 2 - 6M	2 lengths of 6m TALIS light	39ft / 12m	● ●
TALIS - 2 - 9M	2 lengths of 9m TALIS light	59ft / 18m	● ●

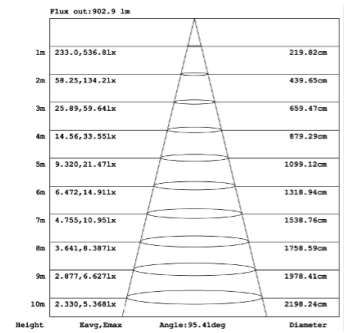
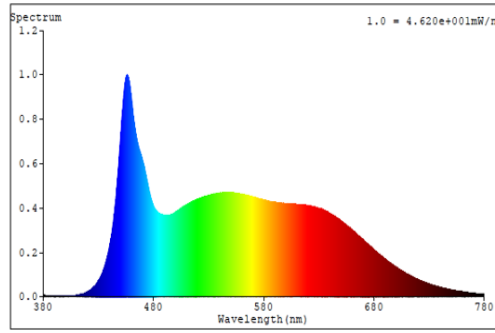
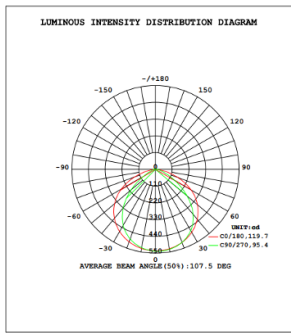
All systems are capable of expansion. Custom lengths are available. Total MAX length for all systems is 59ft / 18m

# Technical Specifications

Specifications	TALIS - 1 - 3M	TALIS - 2 - 6M	TALIS - 2 - 9M
	LIGHT: White - (W)   Blue-Green - (BG)		
Voltage	24VDC	24VDC	24VDC
Amerage	1A (W)   0.5A (BG)	3.5A (W)   0.5A (BG)	4A (W)   2A (BG)
Lumens	2665lm (W)   630lm (BG)	10660lm (W)   2519lm (BG)	15990lm (W)   3778lm (BG)
<b>Bag Dimensions</b>			
Inches (L x W x H)	12" x 13" x 5" in	12" x 13" x 5" in	12" x 13" x 5" in
Metric (L x W x H)	305 x 330 x 127mm	305 x 330 x 127mm	305 x 330 x 127mm
<b>System Weight</b>	8.8lbs   4kgs	9.8lbs   4.5kgs	11.8lbs   5.3kgs
<b>Operating Temp°</b>			
Fahrenheit	(UL 62) -40° ~ 120° F	(UL 62) -40° ~ 120° F	(UL 62) -40° ~ 120° F
Celsius	(UL 62) -40° ~ 49° C	(UL 62) -40° ~ 49° C	(UL 62) -40° ~ 49° C
<b>Storage Temp°</b>			
Fahrenheit	-50° ~ 160° F	-50° ~ 160° F	-50° ~ 160° F
Celsius	-45° ~ 71° C	-45° ~ 71° C	-45° ~ 71° C
<b>Rated Life Hrs.</b>	Light life ~ 50,000hrs	Light life ~ 50,000hrs	Light life ~ 50,000hrs
<b>Warranty Period</b>	1 Year	1 Year	1 Year

Testing conducted at US Army Combat Capabilities Development Command Soldier Center, Natick Massachusetts

# White LED Characteristics



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3217$   $y = 0.3351$  /  $u' = 0.2018$   $v' = (duv=1.87e-03)$   $Dx, Dy: -0.0003, 0.0033$

CCT= 6002K Prcp WL: Ld=493.6nm Purity=3.8%

Peak WL: Lp=456nm FWHM: =28.5nm Ratio: R=16.0% G=77.1% B=7.0%

Render Index: Ra = 93.6 AvgR = 92.3 TM30:Rf=90 Rg=98

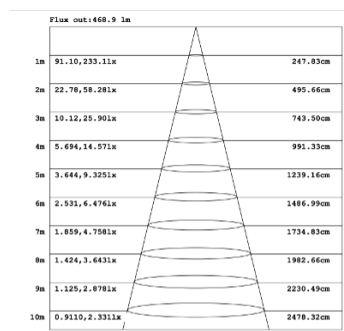
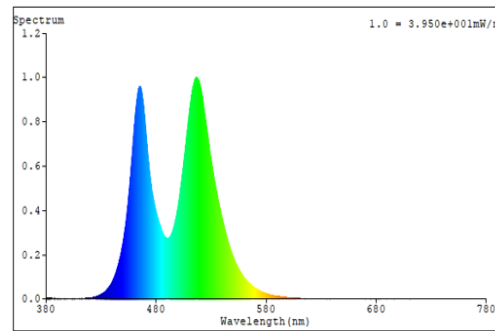
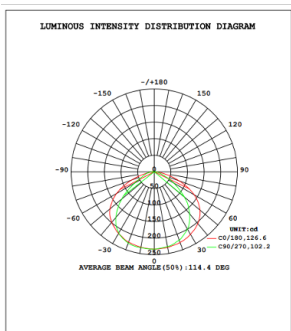
## Photometric & Radiometric Parameters

Flux = 1484.5 lm Eff.: 126.40 lm/W Fe = 5.3618W

## Electrical Parameters

V = 24.00 V I = 0.4894 A P = 11.74 W PF = 1.000 F = 0.00 Hz

# Blackout LED Characteristics



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.1411$   $y = 0.3651$  /  $u' = 0.0795$   $v' = (duv=1.09e-01)$   $Dx, Dy: -0.1211, 0.0997$

CCT= 15817K Prcp WL: Ld=493.8nm Purity=63.0%

Peak WL: Lp=517nm FWHM: =32.3nm Ratio: R=0.2% G=89.3% B=10.5%

Render Index: Ra = 24.2 AvgR = 17.9 TM30:Rf=10 Rg=24

## Photometric & Radiometric Parameters

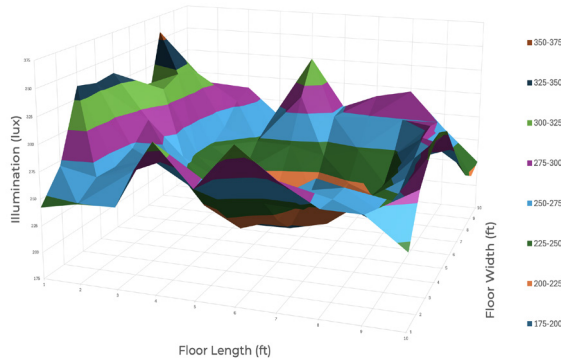
Flux = 746.70 lm Eff.: 63.67 lm/W Fe = 2.4655W

## Electrical Parameters

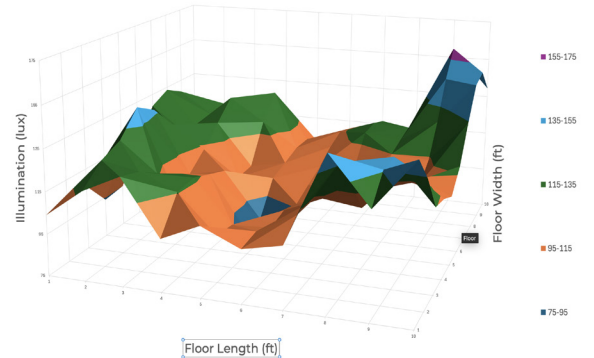
V = 24.00 V I = 0.4887 A P = 11.73 W PF = 1.000 F = 0.00 Hz

# Mapping

White Light illumination around Perimeter of MCPS Tent (LUX)



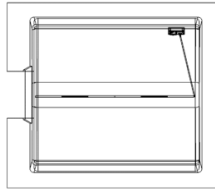
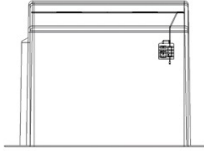
Blue/Green Blackout Illumination around Perimeter of MCPS Tent (LUX)



# Installation

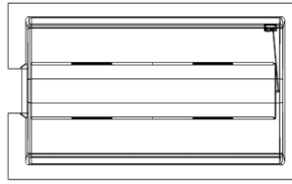
Installation is a quick with pre-installed hangers and adjustable cord locks providing users the flexibility to customize the hanging distance from the ceiling. The single strand's adaptability allows for easy maneuverability, ensuring optimal positioning of light where needed. TALIS excels at providing exceptional light quality and eliminates bright spots or "dazzle effect"

## TALIS - 1 - 3M



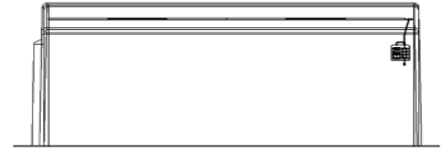
**Estimated Coverage**  
**11ft x 11ft / 3.3m x 3.3m**  
 Suitable for small to medium shelter sizes.

## TALIS - 2 - 6M



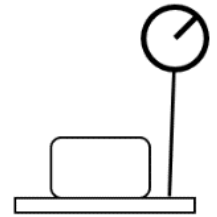
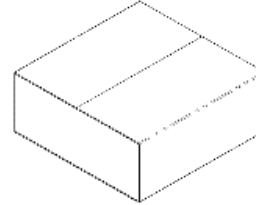
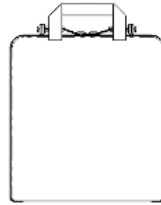
**Estimated Coverage**  
**20ft x 21ft / 6m x 6.5m**  
 Suitable for medium to large shelter sizes.

## TALIS - 2 - 9M



**Estimated Coverage**  
**32ft x 30ft / 9.5m x 9m**  
 Suitable for Large shelter sizes.

# Packaging



Model No.	Light Length	Bag Size (in / mm)	Package Dimensions	Shipping Weight
TALIS - 1 - 3M	1 x 3 Meters	12 x 13 x 5" in	12 x 13 x 5" in	9.8lbs / 4.5kg
TALIS - 2 - 6M	2 x 6 Meters	305 x 330 x 127mm	305 x 330 x 127mm	10.8lbs / 4.9kg
TALIS - 2 - 9M	2 x 9 Meters			12.8lbs / 5.8kg