

DataSheet mSWM

INTRODUCTION

The latest generation of worklights by MTX LED a Romanian manufacturer, is ideally suited for working in the most demanding applications. The lamps are widely applied in heavyweight trucks, off-road cars, agricultural and construction machines or fire-fighting vehicles.

The use of new-generation LEDs by CREE® guarantees very high light output efficiency values, up to 2000 lm for the 21 W mSWM lamp. The aluminum fixtures (body & front) guarantee adequate LED cooling which, combined with an equally durable tempered glass cover, guarantees extraordinary resistance to mechanic damages, impacts or humidity, and establishes a new standard on the market of worklights intended to work in the most demanding environments. The innovative appearance and diverse installation methods give the lamp a significant competitive advantage on the market.



FEATURES

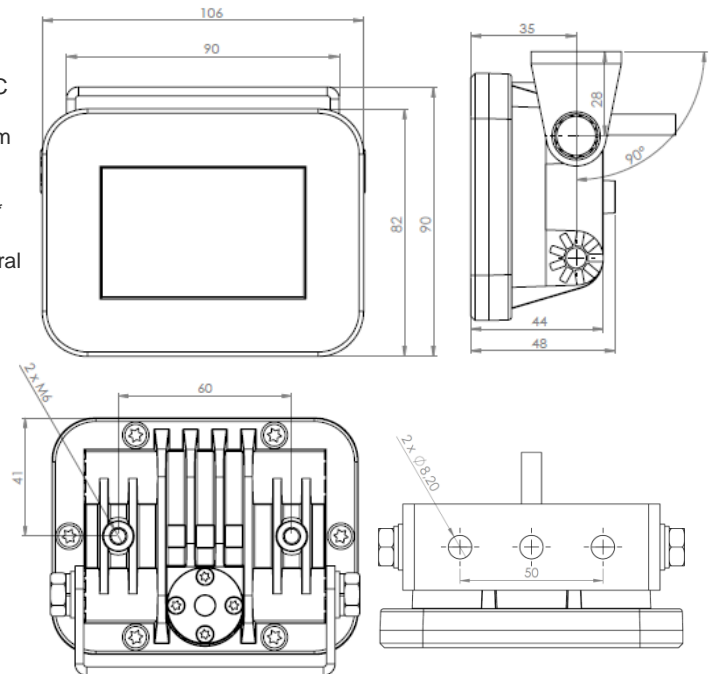
- Cree® LEDs
- High efficiency
- Heavy duty construction – aluminum heatsink
- Overheat protection
- Reverse voltage protection
- Reflectors covered with tempered glass

SPECIFICATION

	mSWM-12- WW-xx**-AAG	mSWM-15-CW-xx**-AAG	mSWM-20-CW-xx**-AAG
Module Luminous flux	1380 lm	1730 lm	2300 lm
Lamp Luminous flux	1200 lm	1500 lm	2000 lm
LED family	CREE® XT-E	CREE® XT-E	CREE® XP-G3
CCT	3000 K	6500 K	5700 K
CRI	80	70	70
Input voltage	12/24 V	12/24 V	12/24 V
Power supply type	DC	DC	DC
Power consumption	19 W	19 W	21 W
Number of LEDs	6	6	6
Operating temperature	-30°C ÷ 50° C	-30°C ÷ 50° C	-30°C ÷ 50° C
Tc max.	85° C	85° C	85° C
Dimensions	106/82/48 mm	106/82/48 mm	106/82/48 mm
IP Code	IP67	IP67	IP67
Radiator color	black	black	black
Cable length	350 mm/5m* HN05RN-F	350 mm/5m* HN05RN-F	350 mm/5m* HN05RN-F
Cable type	0,75 mm ² / Spiral Cord*	0,75 mm ² / Spiral Cord*	0,75 mm ² / Spiral Cord*
Weight	530 g	530 g	530 g
Available Reflectors**	15°, 35°	15°, 35°	15°, 35°
Connector***	OH-2, ATM	OH-2, ATM	OH-2, ATM
Lifetime****	≥ 35000 h	≥ 35000 h	≥ 35000 h

* Spiral cord
** Angle FWHM
*** As accessory
**** Estimated lifetime based on calculated lifetime of critical components

DIMENSIONS



APPLICATIONS

mSWM can be widely used in different types of application:

- Auxiliary vehicle lights
- Tow truck work lights
- Off-Road cars lights
- Construction site lighting
- Agricultural machinery lights
- Heavyweight trucks lights
- Fire-fighting vehicles lights

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MOUNTING KITS

SWM-MK4			SWM-MK5		
No.	Description	QTY.	No.	Description	QTY.
1	Mini Support Plate	1	1	Magnet	2
2	M8 Spring washer	4	2	M6 Self-locking nut	2
3	M8 Washer	6	3	Mini Support Plate	1
4	M8x25 Bolt	4	4	M8x25 Bolt	2
5	M8 Nut	2	5	M8 Spring washer	2
			6	M8 Washer	2

SWM-MK2			SWM-MK3		
No.	Description	QTY.	No.	Description	QTY.
1	M8 Spring washer	2	1	10 mm Spacer	2
2	M8 Washer	2	2	M6 Spring washer	2
3	30 mm Spacer	2	3	M6 Washer	2
4	M8x50 Bolt	2	4	M6x25 Bolt	2

OH-2 CONNECTOR		ATM-CONNECTOR	

ORDERING CODE

Ordering code	Item	Description
160306.12370151	mSWM-12-WW-15-AAG	1200 lm Working Lamp, 3000 K, 15° FWHM
160306.12370351	mSWM-12-WW-35-AAG	1200 lm Working Lamp, 3000 K, 35° FWHM
160306.15310151	mSWM-15-CW-15-AAG	1500 lm Working Lamp, 6500 K, 15° FWHM
160306.15310351	mSWM-15-CW-35-AAG	1500 lm Working Lamp, 6500 K, 35° FWHM
160306.20320151	mSWM-20-CW-15-AAG	2000 lm Working Lamp, 5700 K, 15° FWHM
160306.20320351	mSWM-20-CW-35-AAG	2000 lm Working Lamp, 5700 K, 35° FWHM
160306.xx3yy0zz1*	mSWM-xx-yy-zz-AAG*	Custom Version*
160306.12370156	mSWM-12-WW-15-AAGS	1200 lm Working Lamp, 3000 K, 15° FWHM, Spiral Cord
160306.12370356	mSWM-12-WW-35-AAGS	1200 lm Working Lamp, 3000 K, 35° FWHM, Spiral Cord
160306.15310156	mSWM-15-CW-15-AAGS	1500 lm Working Lamp, 6500 K, 15° FWHM, Spiral Cord
160306.15310356	mSWM-15-CW-35-AAGS	1500 lm Working Lamp, 6500 K, 35° FWHM, Spiral Cord
160306.20320156	mSWM-20-CW-15-AAGS	2000 lm Working Lamp, 5700 K, 15° FWHM, Spiral Cord
160306.20320356	mSWM-20-CW-35-AAGS	2000 lm Working Lamp, 5700 K, 35° FWHM, Spiral Cord
160306.xx3yy0zz6*	mSWM-xx-yy-zz-AAGS*	Custom Version*, Spiral Cord
160306.00000004	SWM-MK4	Mounting Kit – Mini Support Type
150910.00000002	SWM-MK2	Mounting Kit – Side Type
150910.00000003	SWM-MK3	Mounting Kit – Back Type
160306.00000005	SWM-MK5	Mounting Kit- Magnet Type
150910.00000004	SWM-CON	OH-2 Two Pole Connector Set
150910.00000006	SWM-CON3	ATM-Connector Set

* Custom version possible change: CCT correlated color temperature (yy), FWHM angle reflector (zz), power consumption - Luminous flux (xx) (maximum power 21 [W])

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