

Datasheet bSWM

INTRODUCTION

The latest generation of working lamps by MTX, 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 20000 lm for the 210 W bSWM 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 lamps 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.



SPECIFICATION

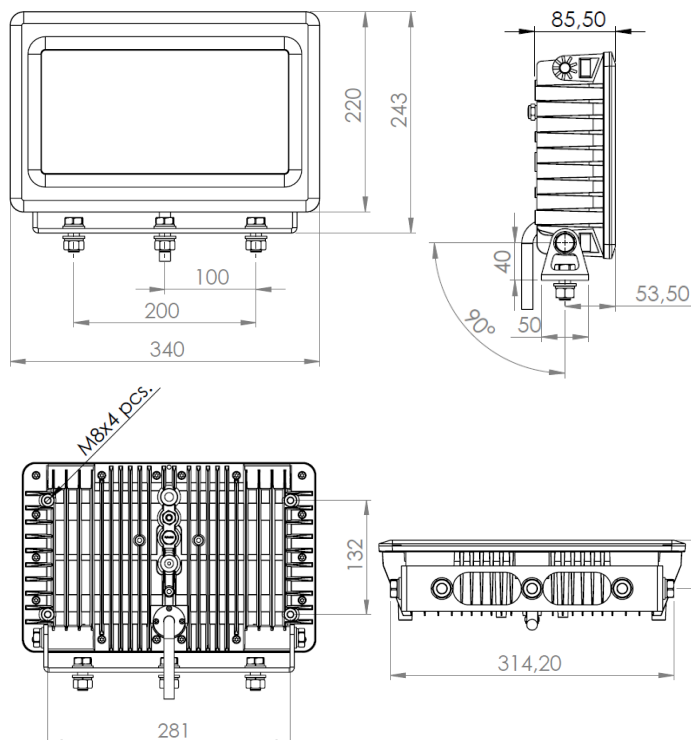
	bSWM-15-CW-xx*-AAG	bSWM-20-CW-xx*-AAG
Module Luminous flux	17250 lm	23000 lm
Lamp Luminous flux	15000 lm	20000 lm
LED family	CREE® XT-E	CREE® XP-G3
CCT	6500 K	5700 K
CRI	70	70
Input voltage	12/24V	12/24V
Power supply type	DC	DC
Power consumption	190 W	210W
Number of LEDs	72	72
Operating temperature	-30°C ÷ 50° C	-30°C ÷ 50° C
Tc max.	85° C	85° C
Dimensions	340/220/85,5mm	340/220/85,5 mm
IP Code	IP67	IP67
Radiator colour	black	black
Cable length	500 mm	500 mm
Cable type	H07 3x2.5mm ²	H07 3x2.5mm ²
Available Reflectors*	15°/35°	15°/35°
Lifetime**	35000h ≥	35000h ≥

* Angle FWHM

** Estimated lifetime based on calculated lifetime of critical components

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

DIMENSIONS



APPLICATIONS

bSWM can be widely used in different types of application:

- Auxiliary vehicle lights
- Tow truck working lights
- Off-Road cars lamps
- Construction lamps
- Agricultural machinery lamps
- Heavyweight trucks lamps
- Fire-fighting vehicles lamps

Contact:



+40 748 751 465

sales@mtxledsolutions.com

www.mtxledsolutions.com

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ACCESSORIES

SWM-MK7			SWM-MK8		
No.	Description	QTY.	No.	Description	QTY.
1	Support Plate	1	1	10 mm Spacer	4
2	M12 Spring washer	5	2	M8 Spring washer	4
3	M12 Washer	8	3	M8 Washer	4
4	M12x20 Bolt	5	4	M8x25 Bolt	4
5	M12 Nut	3			



ORDERING CODE

Ordering code	Item	Description
170508.15310351	bSWM-15-CW-35-AAG	15000 lm Working Lamp, 6500 K, 35°
170508.20320351	bSWM-20-CW-35-AAG	20000 lm Working Lamp, 5700 K, 35°
170508.15310151	bSWM-15-CW-15-AAG	15000 lm Working Lamp, 6500 K, 15°
170508.20320151	bSWM-20-CW-15-AAG	20000 lm Working Lamp, 5700 K, 15°
170508.15310991	bSWM-15-CW-99-AAG	15000 lm Working Lamp, 6500 K, 15°/35°
170508.20320991	bSWM-20-CW-99-AAG	20000 lm Working Lamp, 5700 K, 15°/35°
170508.xx3yy0zz1	bSWM-xx-yy-zz-Aabcd*	Custom version*
170508.00000001	SWM-MK7	Mounting Kit – Support type 2
170508.00000002	SWM-MK8	Mounting Kit – Side type 2
170508.00000004	SWM-CON2	Cable connector

* Custom version possible change: CCT correlated color temperature (yy), FWHM angle reflector (zz), Luminous flux - power consumption (power range 0 – 210 [W])(maximum power 210 [W]) (xx), material for the front frame (a), material for the front cover (b), color of the lamp (c), special type of the assembly system (d)

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