



Light is strong

Conquer the dark with LEDriving[®]
driving & working lights

Light is OSRAM

OSRAM

OSRAM LEDriving® working and driving lights – Light for dedicated application options



OSRAM's LED driving and working lights offer the most sophisticated LED technology and electrical design on the market. Products are available in three categories (functional, multifunctional and slim) offering a variety of performances, shapes and beam patterns with various illumination profiles like spot, wide and combo. Products are available for 12 and 24 voltage vehicles.

Features¹⁾

- Different high beam patterns (spot, wide or combo) with various beam angles available
- Powerful far and near field illumination up to 450 m
- Extremely high optic efficiency, homogeneous light distribution and reduced glaring
- Premium OSRAM quality
- Robust and compact design with long lifetime of up to 5,000 h thanks to integrated driver and thermal management system

Benefits¹⁾

- Improved illumination thanks to high brightness
- Better visibility due to daylight effect for increased road safety
- Lighting up the intended illumination area
- 5-year guarantee²⁾
- Extremely robust polycarbonate lens to endure heavy duty application, multiple voltage protection



1) Driving lights must be installed in pairs for 12/24 V-vehicles

2) Refer to www.osram.com/am-guarantee for precise conditions

Functional Series



Lightbar FX250-SP

Lightbar FX250-CB

Lightbar FX500-SP

Lightbar FX500-CB

Slim Series

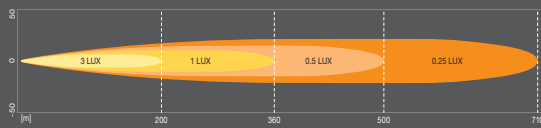


Lightbar SX180-SP

Lightbar SX300-SP

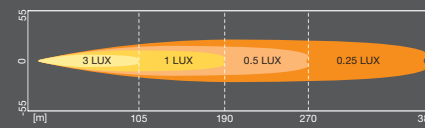
Lightbar SX500-SP

Lightbar FX250-SP



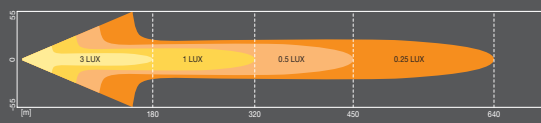
- ECE R112
- Spot Beam
- Up to +360m (1 Lux)

Lightbar SX180-SP



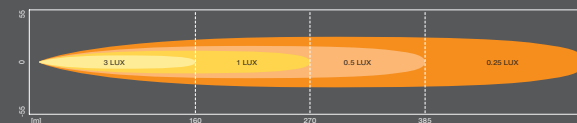
- ECE R112
- Slim Design
- Up to +190m (1 Lux)

Lightbar FX250-CB



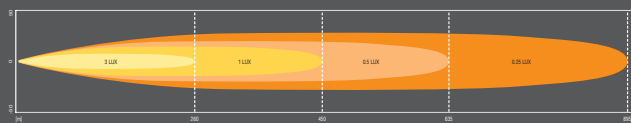
- ECE R112
- Combo Beam
- Up to +320m (1 Lux)

Lightbar SX300-SP



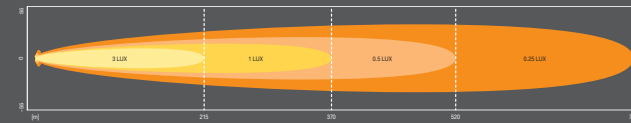
- ECE R112
- Slim Design
- Up to +270m (1 Lux)

Lightbar FX500-SP



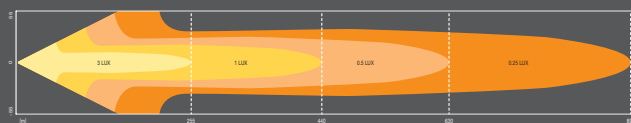
- ECE R112
- Spot Beam
- Up to +450m (1 Lux)

Lightbar SX500-SP



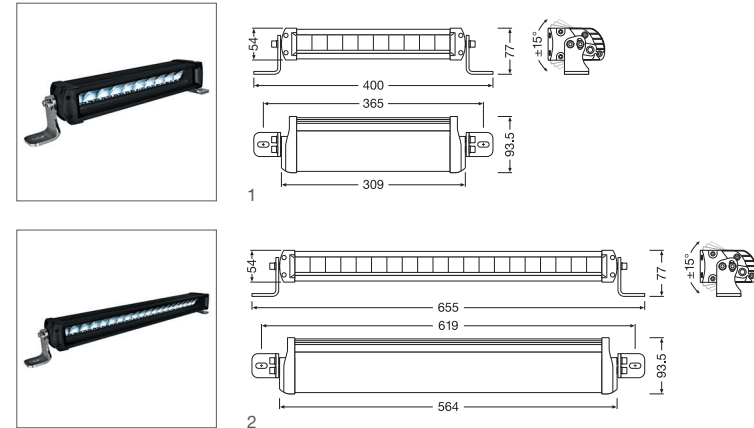
- ECE R112
- Slim Design
- Up to +370m (1 Lux)

Lightbar FX500-CB

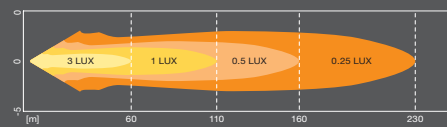


- ECE R112
- Combo Beam
- Up to +440m (1 Lux)

Multifunctional Series

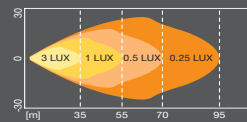


Cube MX85-SP



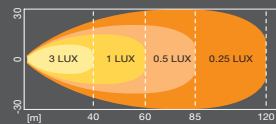
- Working Light Application
- 2 in 1
- Up to +110m (1 Lux)

Cube MX85-WD



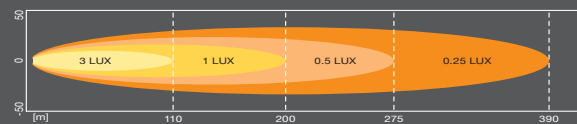
- Working Light Application
- 2 in 1
- Up to +55m (1 Lux)

Lightbar MX140-WD



- Working Light Application
- 2 in 1
- Up to +60m (1 Lux)

Lightbar MX140-SP

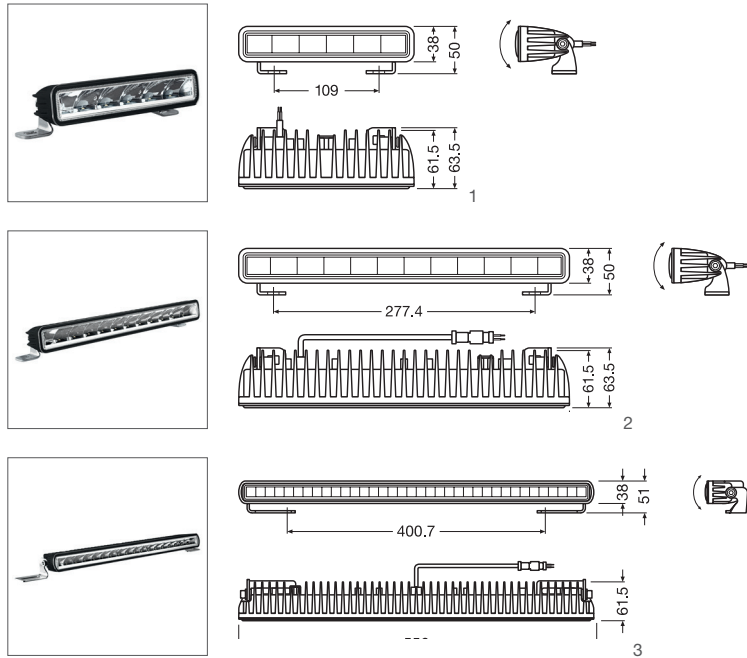


- ECE R112 & R7
- 2 in 1
- Up to +200m (1 Lux)

LEDriving® Driving Lights Functional Series

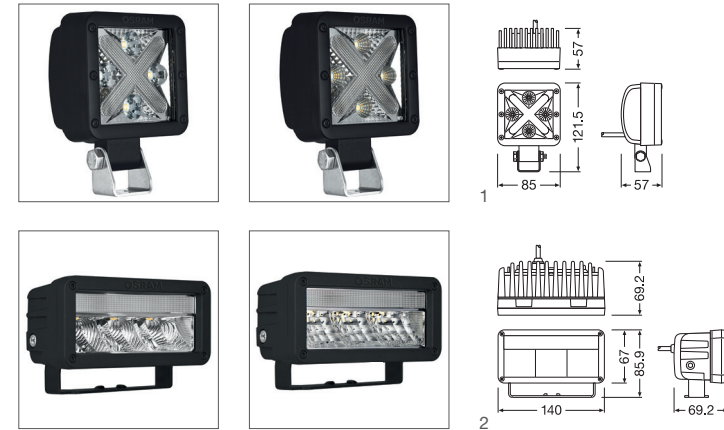
Product Name	EAN10	W	V	Im	(m)/ 1 Lux	K	IP	ECE	ECE ref. no	Fig no.
Lightbar FX250-SP	4052899595330	35	12/24	2700	360	6000	IP67	R10/R112	37.5	1
Lightbar FX250-CB	4052899595354	35	12/24	2700	320	6000	IP67	R10/R112	27.5	1
Lightbar FX500-SP	4052899595378	36	12/24	3500	450	6000	IP67	R10/R112	45	2
Lightbar FX500-CB	4052899595392	68	12/24	5500	440	6000	IP67	R10/R112	45	2





LEDriving® Driving Lights Slim Series

Product Name	EAN10	W	V	Im	(m)/ 1 Lux	K	IP	ECE	ECE ref. no	Fig no.
Lightbar SX180-SP	4052899595415	14	12/24	1300	190	6000	IP69K	R10/R112	10	1
Lightbar SX300-SP	4052899595439	29	12/24	2600	270	6000	IP69K	R10/R112	20	2
Lightbar SX500-SP	4052899595453	46	12/24	3900	370	6000	IP69K	R10/R112	30	3



LEDriving® Driving Lights Multifunctional Series

Product Name	EAN10	W	V	Im	(m)/ 1 Lux	K	IP	ECE	ECE ref. no	Fig no.
Cube MX85-SP	4052899595255	22/2	12	1250	110	6000	IP67	R10	-	1
Cube MX85-WD	4052899595279	22/2	12	1250	55	6000	IP67	R10	-	1
Lightbar MX140-WD	4052899595316	30/2	12	2000	60	6000	IP67	R10	-	2
Lightbar MX140-SP	4052899595293	30/2	12	2000	200	6000	IP67	R10/R7/R112	10	2



5 YEAR OSRAM GUARANTEE*

FAQ

What is Lumen?

- Specifies the overall visible light output of a light source, which is emitted in all directions

What is Candela?

- Specifies the luminous flux, which is emitted into a certain direction.

What is Lux?

- It is the measurement unit of illumination intensity. It specifies the luminous flux, which is emitted on a certain surface. At 1 lux e.g. the human eye can easily read a book.

What is ECE?

- United Nations Economic Commission for Europe

What is an E-Mark?

- An E-Mark can be put on a product if it fulfills at least one category of the ECE regulation.

What is the Reference Number?

- The reference number is a value that is related to the high beam headlight which is regulated in ECE R112. Every certified high beam headlight has a reference number marked on it either left or right to the E-mark sign. According to ECE R112 the sum of high beam headlights attached to the car must not exceed a total of 100.

What is IP?

- The IP Code classifies and rates the degree of protection provided against intrusion, dust, accidental contact, and water by mechanical casings and electrical enclosures.



Conclusion

- For the driver the pure lumen value has almost no meaning. The lux value in connection with the distance is a significant value to evaluate the performance of a lamp.
- Mentioning an E-Mark does not necessarily mean that the product is street legal. It has to be checked which ECE categories are fulfilled.

*Refer to www.osram.com/am-guarantee for precise conditions

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