

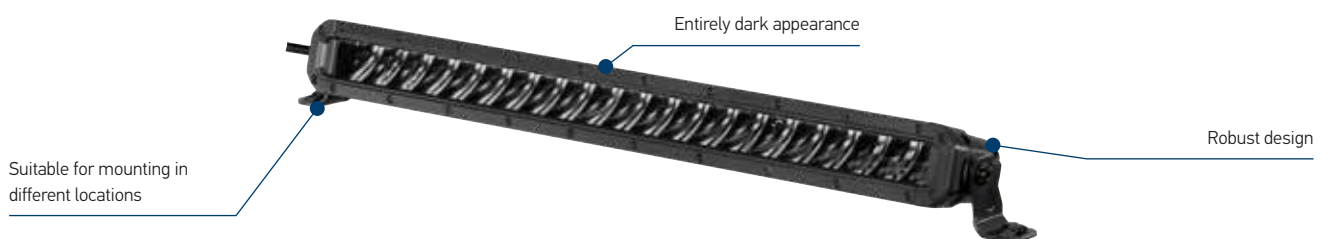


# BRIEF INFORMATION

## Black Magic Tough Lightbars

- Typical Black Magic appearance including black holders
- Robust design and durable material
- Powerful light output thanks to modern reflector system and very strong LEDs in all 16 off-road variants!
- First “curved” variants in the range
- Temperature control system

### PRODUCT FEATURES



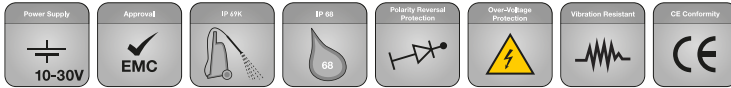
The HELLA Black Magic Tough Lightbars are off-road headlamps with a very powerful light output of up to 20,000 effective lumens, ideal for off-road situations where you need the brightest light. Both the Slim and Double Light Bars are easily recognizable with their stylish and robust look in an all-black design.

They are typically mounted on the roof or roof bar, the radiator grille or bumper.

The product complies with the highest dust/water resistance class. The extra-long 2 m cable makes it easy to attach it to your vehicle.

The Black Magic Lightbars have an integrated thermal sensor that allows them to adjust to the ambient temperature. This new feature not only prevents overheating or LED failure, but also increases light output when the ambient temperature is low. In this way the user is given the optimum light under all conditions.

# TECHNICAL DETAILS

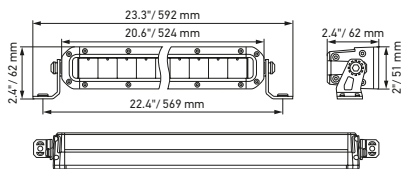


## Technical data

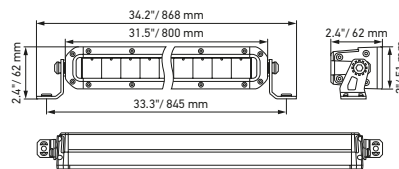
Version	Slim Lightbar			
	20"	32"	40"	50"
Part number	358197301	358197311	358197321	358197331
Rated voltage	Multi-voltage			
Operating voltage	10–30 V			
Current consumption	5.68–7.73 A (12 V) 2.77–3.59 A (24 V)	8.28–12.7 A (12 V) 4.22–5.78 A (24 V)	10.73–16.51 A (12 V) 5.13–7.32 A (24 V)	13.63–18.46 A (12 V) 6.61–9.59 A (24 V)
Max. power consumption	107 W	184 W	239 W	277 W
Light function	Work lamp			
Light source	LED			
Colour temperature	5,700 kelvin			
Material	Aluminium, black stainless steel holder			
Weight	2,450 g	3,300 g	4,000 g	5,800 g
Degree of protection	IP 68, IP 69K			
EMC protection	ECE-R10			
Mounting	Upright/pendant			
Connection	2 m cable with open ends			
Mounting type	Screw mounting			
Number of LEDs	21	33	42	54
Light output (effective)	6,000 lm	9,000 lm	12,000 lm	15,000 lm
Application	For off-road vehicles, such as all-terrain vehicles, pick-ups, trucks, buggies, quads			

## Dimensional sketch

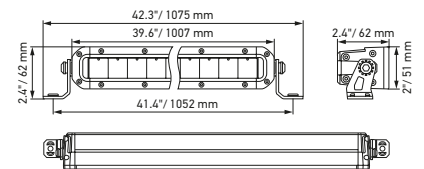
Black Magic 20" Slim Lightbar



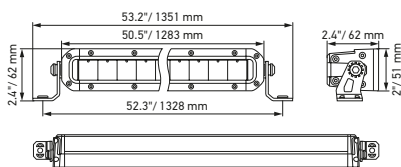
Black Magic 32" Slim Lightbar



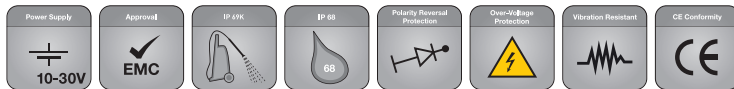
Black Magic 40" Slim Lightbar



Black Magic 50" Slim Lightbar



# TECHNICAL DETAILS

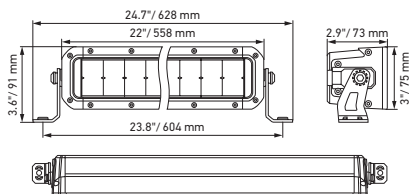


## Technical data

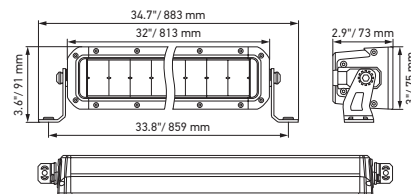
Version	Double Row Lightbar			
	21.5"	30"	40"	50"
Part number	358197401	358197411	358197421	358197431
Rated voltage	Multi-voltage			
Operating voltage	10–30 V			
Current consumption	8.14–14.85 A (12 V) 4.2–7.4 A (24 V)	11.87–19.19 A (12 V) 6.45–10.73 A (24 V)	14.83–26.43 A (12 V) 7.94–15.23 A (24 V)	17.37–27.05 A (12 V) 9.32–17.46 A (24 V)
Max. power consumption	215 W	310 W	439 W	504 W
Light function	Work lamp			
Light source	LED			
Colour temperature	5,700 kelvin			
Material	Aluminium, black stainless steel holder			
Weight	3,200 g	4,500 g	5,500 g	6,350 g
Degree of protection	IP 68, IP 69K			
EMC protection	ECE-R10			
Mounting	Upright/pendant			
Connection	2 m cable with open ends			
Mounting type	Screw mounting			
Number of LEDs	40	60	80	96
Light output (effective)	11,000 lm	13,500 lm	16,000 lm	19,600 lm
Application	For off-road vehicles, such as all-terrain vehicles, pick-ups, trucks, buggies, quads			

## Dimensional sketch

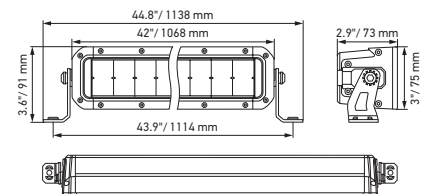
Black Magic 21.5" Double Row Light Bar



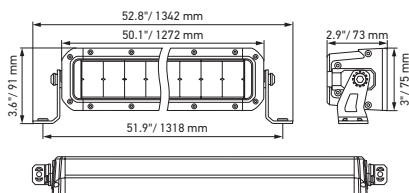
Black Magic 30" Double Row Lightbar



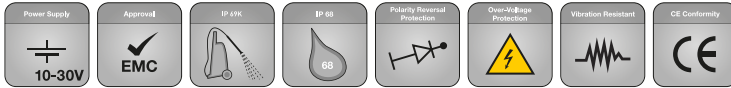
Black Magic 40" Double Row Lightbar



Black Magic 50" Double Row Lightbar



# TECHNICAL DETAILS

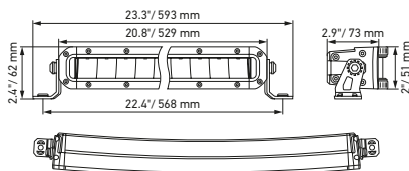


## Technical data

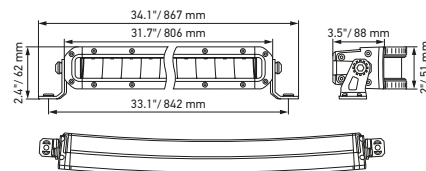
Version	Slim Curved Lightbar			
	20"	32"	40"	50"
Part number	358197501	358197511	358197521	358197531
Rated voltage	Multi-voltage			
Operating voltage	10–30 V			
Current consumption	5.5–7.2 A (12 V) 2.78–3.53 A (24 V)	8.36–12.3 A (12 V) 3.93–5.6 A (24 V)	10–15.3 A (12 V) 4.75–7.22 A (24 V)	15.73–18.68 A (12 V) 7.11–9.64 A (24 V)
Max. power consumption	104 W	184 W	222 W	278 W
Light function	Work lamp			
Light source	LED			
Colour temperature	5,700 kelvin			
Material	Aluminium, black stainless steel holder			
Weight	2,450 g	3,300 g	4,000 g	5,800 g
Degree of protection	IP 68, IP 69K			
EMC protection	ECE-R10			
Mounting	Upright/pendant			
Connection	2 m cable with open ends			
Mounting type	Screw mounting			
Number of LEDs	21	33	42	54
Light output (effective)	6,000 lm	9,000 lm	12,000 lm	15,000 lm
Application	For off-road vehicles, such as all-terrain vehicles, pick-ups, trucks, buggies, quads			

## Dimensional sketch

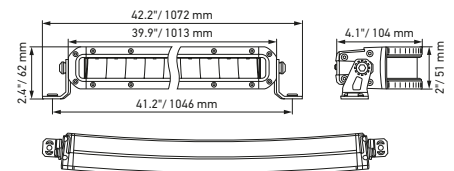
Black Magic 20" Slim Curved Lightbar



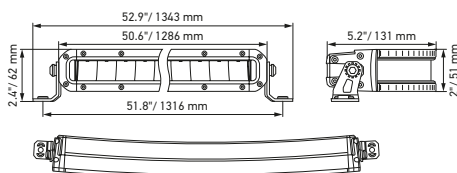
Black Magic 32" Slim Curved Lightbar



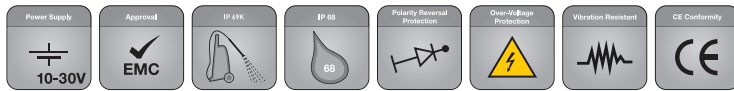
Black Magic 40" Slim Curved Lightbar



Black Magic 50" Slim Curved Lightbar



# TECHNICAL DETAILS

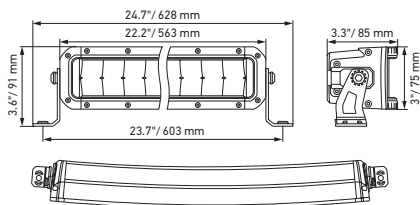


## Technical data

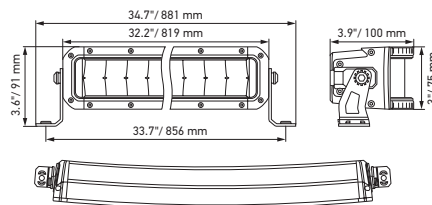
Version	Double Row Curved Lightbar			
	21.5"	30"	40"	50"
Part number	358197601	358197611	358197621	358197631
Rated voltage	Multi-voltage			
Operating voltage	10–30 V			
Current consumption	7.34-14.66 A (12 V) 4-7.37 A (24 V)	11.54-19.27 A (12 V) 5.89-10.72 A (24 V)	15.28-25.34 A (12 V) 8.13-14.76 A (24 V)	15.06-24.38 A (12 V) 7.99-17.44 A (24 V)
Max. power consumption	212 W	310 W	426 W	503 W
Light function	Work lamp			
Light source	LED			
Colour temperature	5,700 kelvin			
Material	Aluminium, black stainless steel holder			
Weight	3,200 g	4,500 g	5,500 g	6,350 g
Degree of protection	IP 68, IP 69K			
EMC protection	ECE-R10			
Mounting	Upright/pendant			
Connection	2 m cable with open ends			
Mounting type	Screw mounting			
Number of LEDs	40	60	80	96
Light output (effective)	11,000 lm	13,500 lm	16,000 lm	19,600 lm
Application	For off-road vehicles, such as all-terrain vehicles, pick-ups, trucks, buggies, quads			

## Dimensional sketch

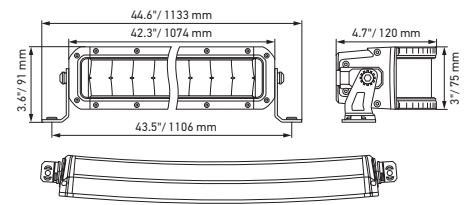
Black Magic 21.5" Double Row Curved Light Bar



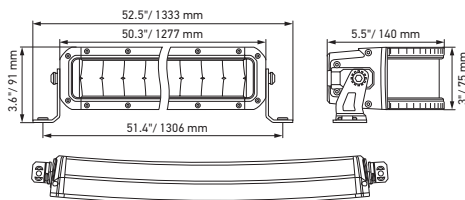
Black Magic 30" Double Row Curved Lightbar



Black Magic 40" Double Row Curved Lightbar



Black Magic 50" Double Row Curved Lightbar

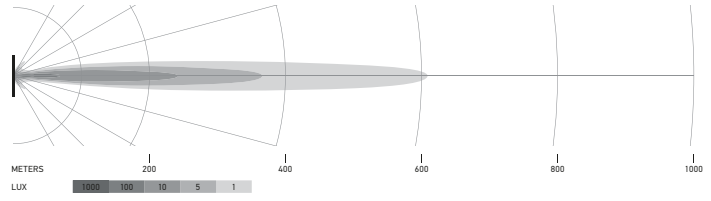


# ILLUMINATION

The light distribution diagrams show the reach of a headlamp that has been measured.

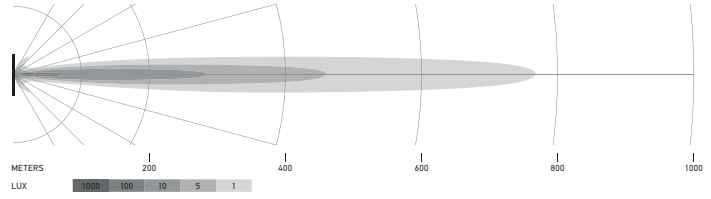
## Black Magic 20" Slim Lightbar

358197301



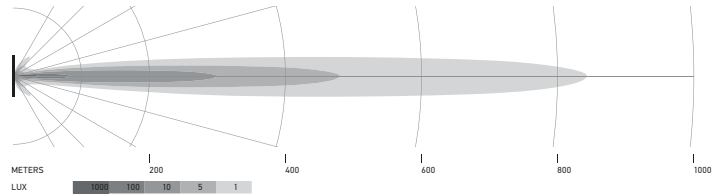
## Black Magic 32" Slim Lightbar

358197311



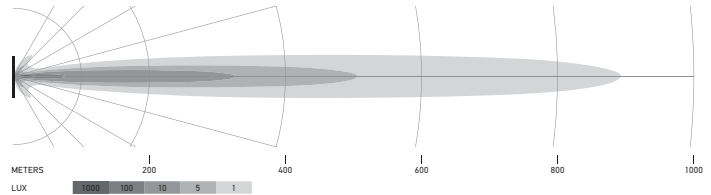
## Black Magic 40" Slim Lightbar

358197321



## Black Magic 50" Slim Lightbar

358197331

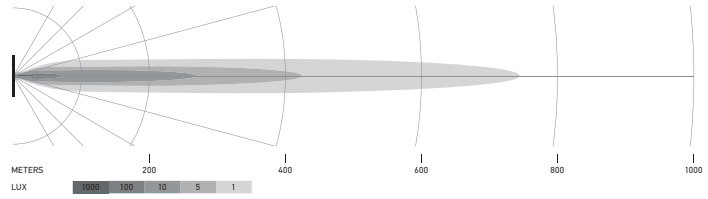


# ILLUMINATION

The light distribution diagrams show the reach of a headlamp that has been measured.

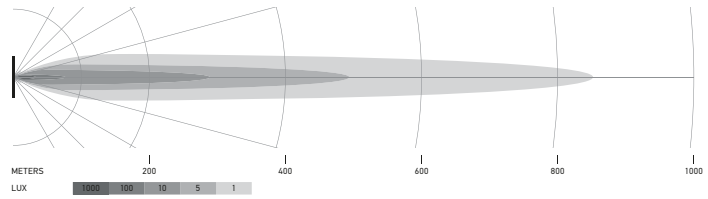
## Black Magic 21.5" Double Row Light Bar

358197401



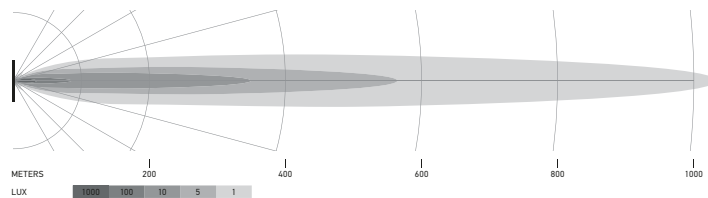
## Black Magic 30" Double Row Lightbar

358197411



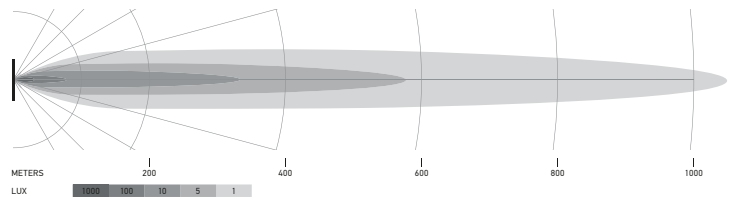
## Black Magic 40" Double Row Lightbar

358197421



## Black Magic 50" Double Row Lightbar

358197431

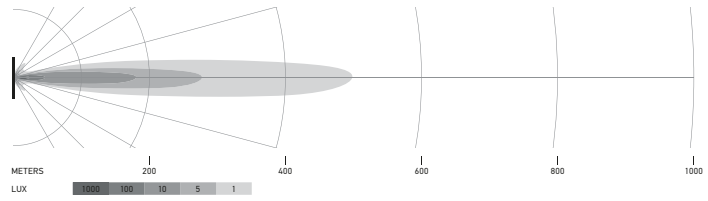


# ILLUMINATION

The light distribution diagrams show the reach of a headlamp that has been measured.

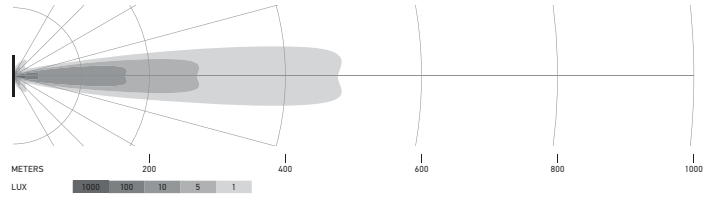
## Black Magic 20" Slim Curved Lightbar

358197501



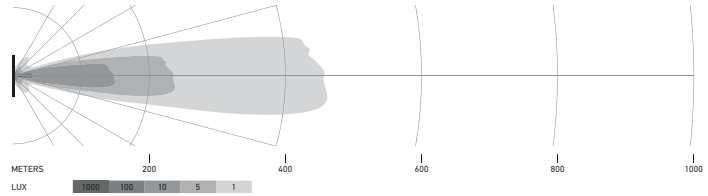
## Black Magic 32" Slim Curved Lightbar

358197511



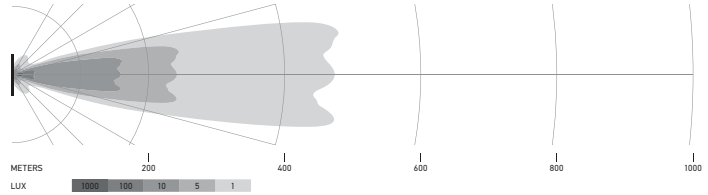
## Black Magic 40" Slim Curved Lightbar

358197521



## Black Magic 50" Slim Curved Lightbar

358197531



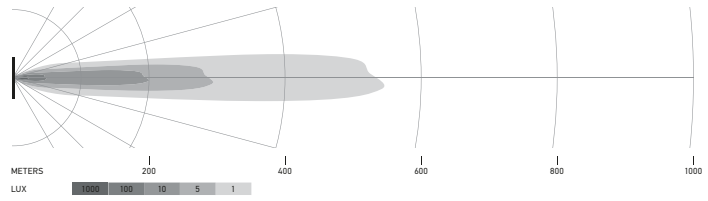


# ILLUMINATION

The light distribution diagrams show the reach of a headlamp that has been measured.

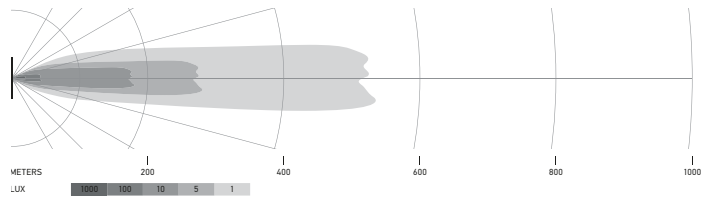
## Black Magic 21.5" Double Row Curved Light Bar

358197601



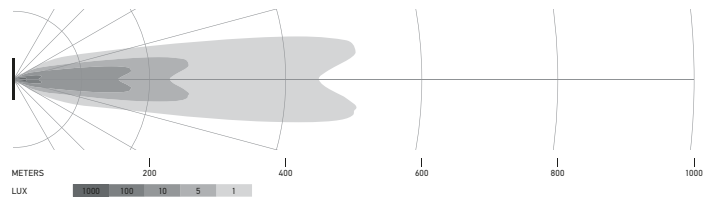
## Black Magic 30" Double Row Curved Lightbar

358197611



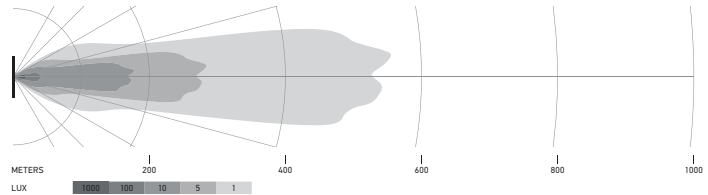
## Black Magic 40" Double Row Curved Lightbar

358197621















## Black Magic 50" Double Row Curved Lightbar

358197631




# PROGRAM OVERVIEW

Product image	Description	Part Number	VPE*
<b>Black Magic Slim Lightbar</b>			
	20" Slim Lightbar, TSS	<b>358197301</b>	1
	32" Slim Lightbar, TSS	<b>358197311</b>	1
	40" Slim Lightbar, TSS	<b>358197321**</b>	1
	50" Slim Lightbar, TSS	<b>358197331**</b>	1
<b>Black Magic Double Row Lightbar</b>			
	21.5" Double Row Light Bar, TSD	<b>358197401</b>	1
	30" Double Row Lightbar, TSD	<b>358197411</b>	1
	40" Double Row Lightbar, TSD	<b>358197421**</b>	1
	50" Double Row Lightbar, TSD	<b>358197431**</b>	1
<b>Black Magic Slim Curved Lightbar</b>			
	20" Slim Curved Lightbar, TCS	<b>358197501</b>	1
	32" Slim Curved Lightbar, TCS	<b>358197511</b>	1
	40" Slim Curved Lightbar, TCS	<b>358197521**</b>	1
	50" Slim Curved Lightbar, TCS	<b>358197531**</b>	1

\* Packaging unit

\*\* For stable four-point mounting of the Light Bar from 40", we recommend the accessory bracket set on page 12.

# PROGRAM OVERVIEW




Product image	Description	Part Number	VPE*
<p><b>Black Magic Double Row Curved Lightbar</b></p> 	21.5" Double Row Curved Light Bar, TCD	<b>358197601</b>	1
	30" Double Row Curved Lightbar, TCD	<b>358197611</b>	1
	40" Double Row Curved Lightbar, TCD	<b>358197621**</b>	1
	50" Double Row Curved Lightbar, TCD	<b>358197631**</b>	1

\* Packaging unit

\*\* For stable four-point mounting of the Light Bar from 40", we recommend the accessory bracket set on page 12.

# ACCESSORIES

(not included in delivery)

Product Image	Description	Part Number
	<p>The bracket set for rear mounting is recommended as a mounting accessory for additional support of the LED Light Bars in the lengths: 40", 50" and 52".</p> <p>The set includes two holders and two sets of screws. The brackets are inserted into the headlamp's guide rail and securely fastened in the desired position using the screws.</p>	
	<p>Holder set for light bar version "Slim Row"</p>	<p><b>358176371</b></p>
	<p>Holder set for light bar version "Double Row"</p>	<p><b>358176381</b></p>

# APPLICATION EXAMPLES



The Black Magic Offroad Light Bars can be used in the off-road sector.