

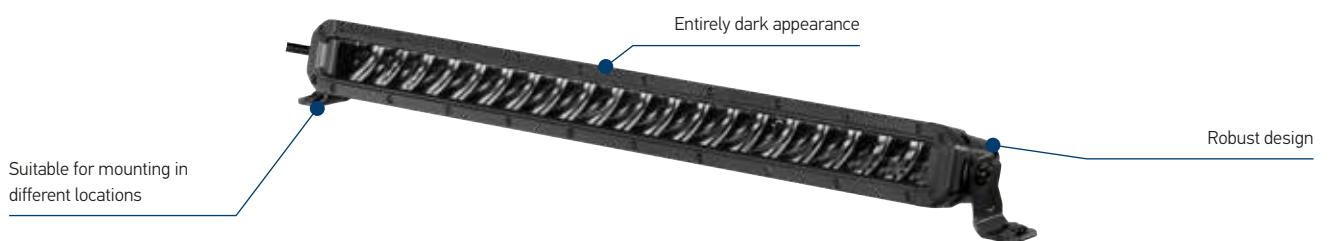


# BRIEF INFORMATION

## Black Magic Offroad Light Bars

- 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 18 off-road variants!
- First “curved” variants in the range
- Temperature control system

### PRODUCT FEATURES



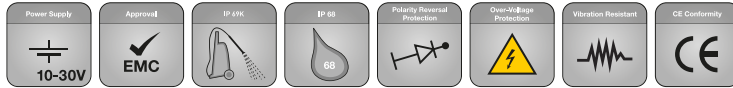
The HELLA Black Magic Offroad Light Bars are off-road headlamps with a very powerful light output of up to 20,000 effective lumens, ideal for off-road situations where you need the brightest light. Both the Slim and Double Light Bars are easily recognisable with their stylish and robust look in an all-black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

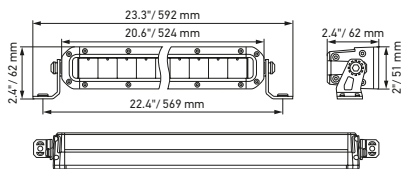


## Technical data

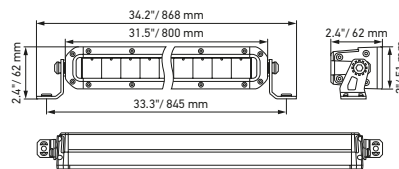
Version	Slim Lightbar			
	20"	32"	40"	50"
Part number	1GJ 358 197-301	1GJ 358 197-311	1GJ 358 197-321	1GJ 358 197-331
Rated voltage	Multi-voltage			
Operating voltage	10–30 V			
Current consumption	5.68–7.73 A (12 V) 2.77–3.59 A (24 V)	8.28–12.7 A (12 V) 4.22–5.78 A (24 V)	10.73–16.51 A (12 V) 5.13–7.32 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

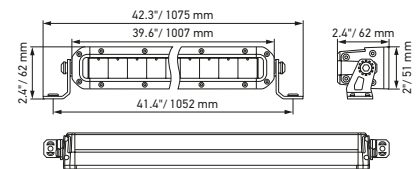
Black Magic 20" Slim Lightbar



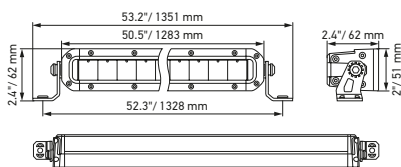
Black Magic 32" Slim Lightbar



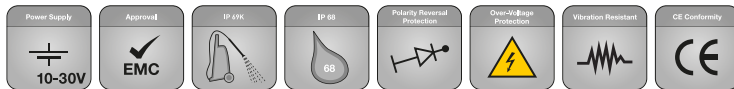
Black Magic 40" Slim Lightbar



Black Magic 50" Slim Lightbar



# TECHNICAL DETAILS

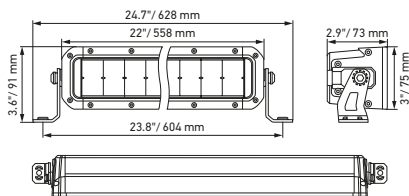


## Technical data

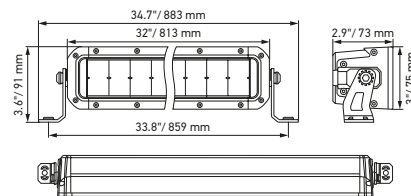
Version	Double Row Lightbar				
	21.5"	30"	40"	50"	52"
Part number	1GJ 358 197-401	1GJ 358 197-411	1GJ 358 197-421	1GJ 358 197-431	1GJ 358 197-441
Rated voltage	Multi-voltage				
Operating voltage	10–30 V				
Current consumption	8.14–14.85 A (12 V) 4.2–7.4 A (24 V)	11.87–19.19 A (12 V) 6.45–10.73 A (24 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)	18.25–27.17 A (12 V) 9.59–18.48 A (24 V)
Max. power consumption	215 W	310 W	439 W	504 W	546 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	6,700 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	100
Light output (effective)	11,000 lm	13,500 lm	16,000 lm	19,600 lm	20,000 lm
Application	For off-road vehicles, such as all-terrain vehicles, pick-ups, trucks, buggies, quads				

## Dimensional sketch

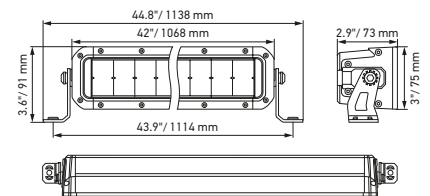
Black Magic 21.5" Double Row Light Bar



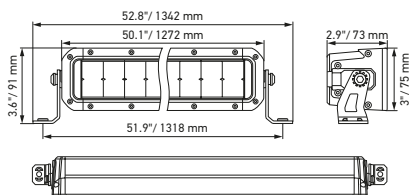
Black Magic 30" Double Row Lightbar



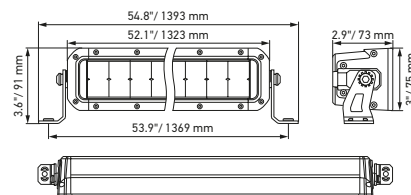
Black Magic 40" Double Row Lightbar



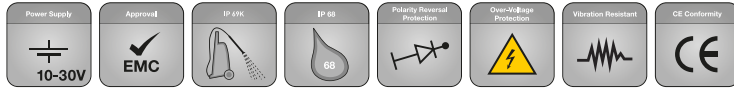
Black Magic 50" Double Row Lightbar



Black Magic 52" Double Row Lightbar



# TECHNICAL DETAILS

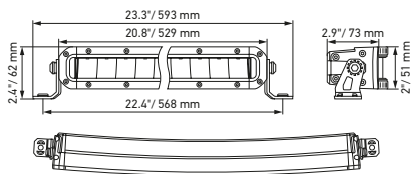


## Technical data

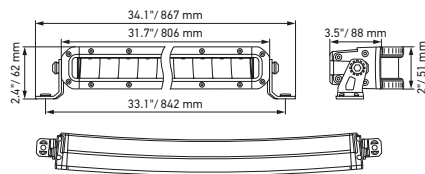
Version	Slim Curved Lightbar			
	20"	32"	40"	50"
Part number	1GJ 358 197-501	1GJ 358 197-511	1GJ 358 197-521	1GJ 358 197-531
Rated voltage	Multi-voltage			
Operating voltage	10–30 V			
Current consumption	5.5–7.2 A (12 V) 2.78–3.53 A (24 V)	8.36–12.3 A (12 V) 3.93–5.6 A (24 V)	10–15.3 A (12 V) 4.75–7.22 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

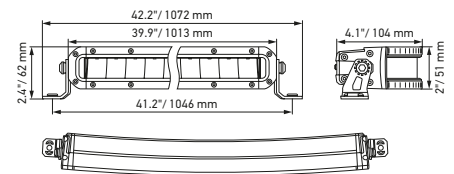
Black Magic 20" Slim Curved Lightbar



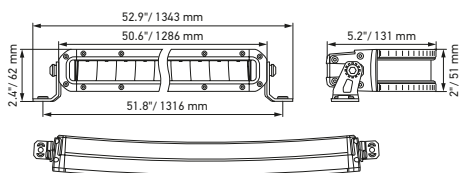
Black Magic 32" Slim Curved Lightbar



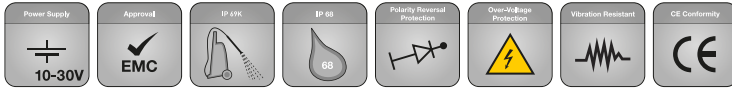
Black Magic 40" Slim Curved Lightbar



Black Magic 50" Slim Curved Lightbar



# TECHNICAL DETAILS

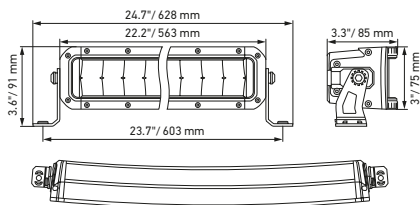


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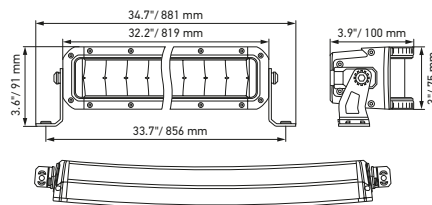
Version	Double Row Curved Lightbar				
	21.5"	30"	40"	50"	52"
Part number	1GJ 358 197-601	1GJ 358 197-611	1GJ 358 197-621	1GJ 358 197-631	1GJ 358 197-641
Rated voltage	Multi-voltage				
Operating voltage	10–30 V				
Current consumption	7.34-14.66 A (12 V) 4-7.37 A (24 V)	11.54-19.27 A (12 V) 5.89-10.72 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)	18.83-26.67 A (12 V) 9.86-17.07 A (24 V)
Max. power consumption	212 W	310 W	426 W	503 W	500 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	6,700 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	100
Light output (effective)	11,000 lm	13,500 lm	16,000 lm	19,600 lm	20,000 lm
Application	For off-road vehicles, such as all-terrain vehicles, pick-ups, trucks, buggies, quads				

## Dimensional sketch

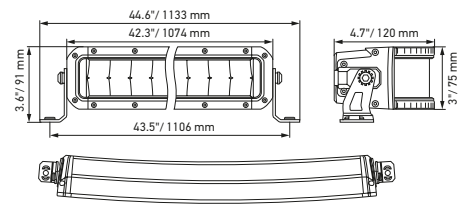
Black Magic 21.5" Double Row Curved Light Bar



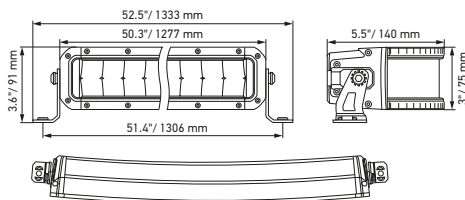
Black Magic 30" Double Row Curved Lightbar



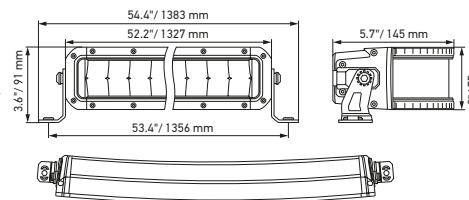
Black Magic 40" Double Row Curved Lightbar



Black Magic 50" Double Row Curved Lightbar



Black Magic 52" Double Row Curved Lightbar

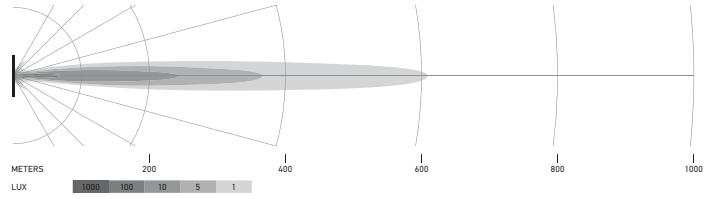


# ILLUMINATION

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

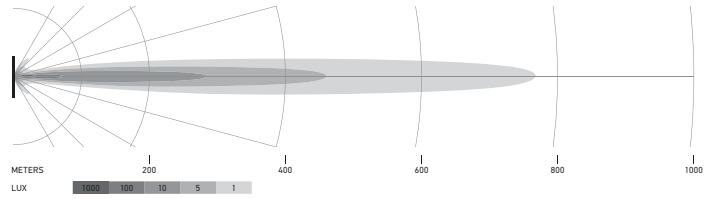
## Black Magic 20" Slim Lightbar

1GJ 358 197-301



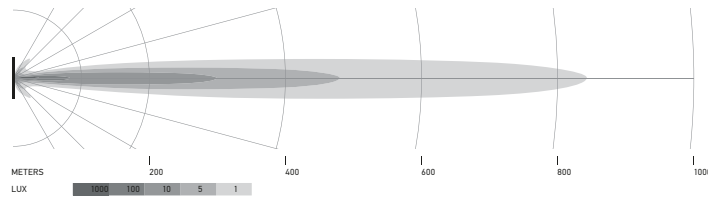
## Black Magic 32" Slim Lightbar

1GJ 358 197-311



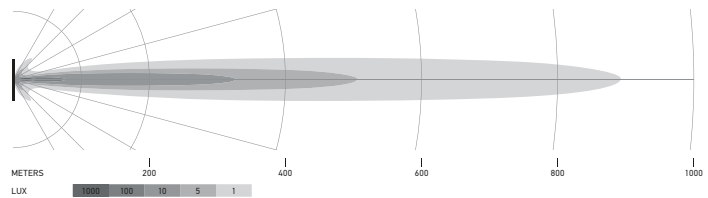
## Black Magic 40" Slim Lightbar

1GJ 358 197-321



## Black Magic 50" Slim Lightbar

1GJ 358 197-331

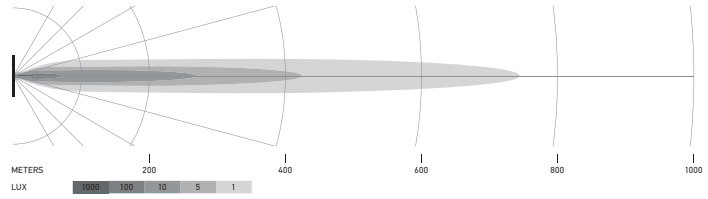


# ILLUMINATION

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

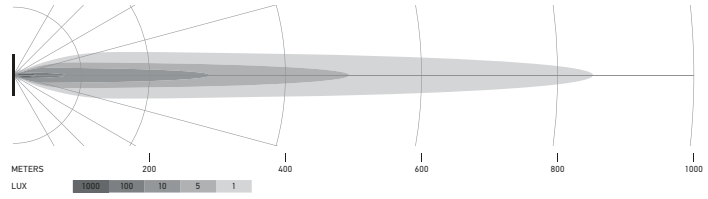
## Black Magic 21.5" Double Row Light Bar

1GJ 358 197-401



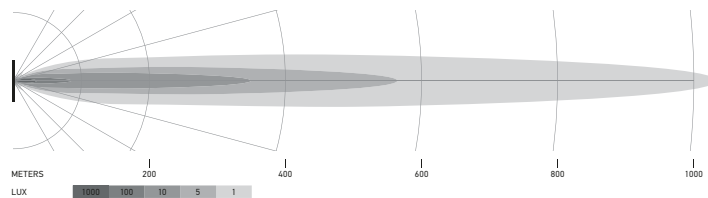
## Black Magic 30" Double Row Lightbar

1GJ 358 197-411



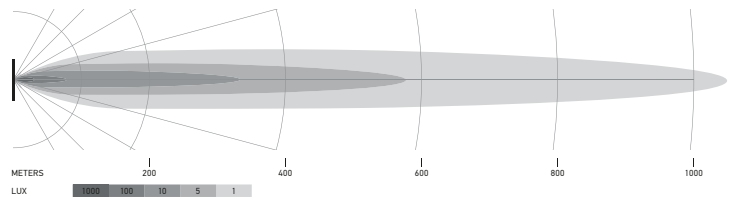
## Black Magic 40" Double Row Lightbar

1GJ 358 197-421



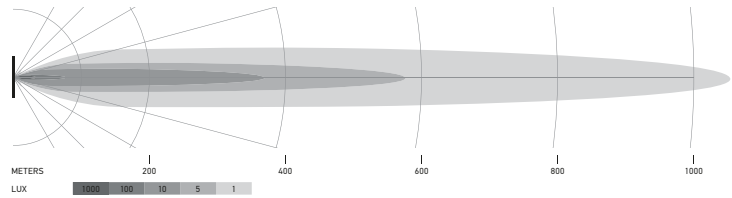
## Black Magic 50" Double Row Lightbar

1GJ 358 197-431



## Black Magic 52" Double Row Lightbar

1GJ 358 197-441

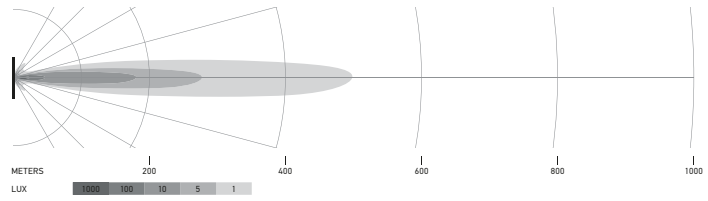


# ILLUMINATION

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

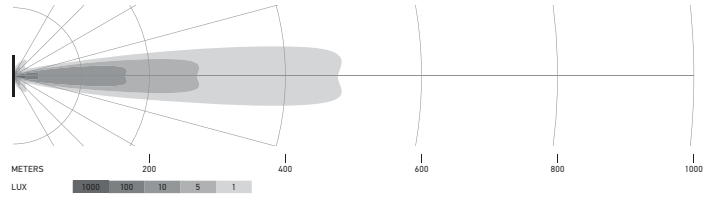
## Black Magic 20" Slim Curved Lightbar

1GJ 358 197-501



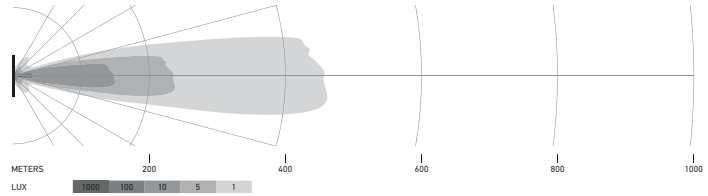
## Black Magic 32" Slim Curved Lightbar

1GJ 358 197-511



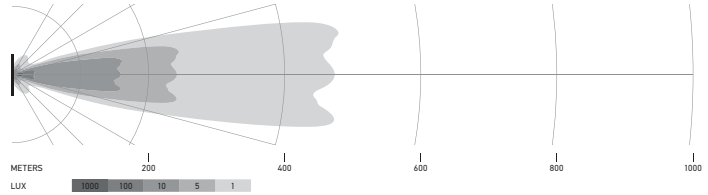
## Black Magic 40" Slim Curved Lightbar

1GJ 358 197-521



## Black Magic 50" Slim Curved Lightbar

1GJ 358 197-531



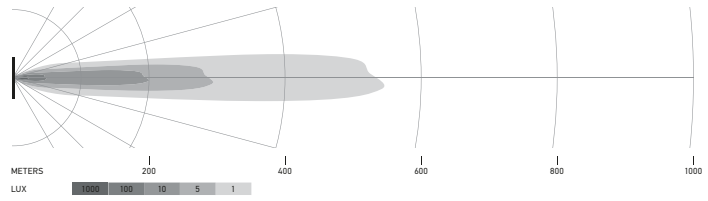


# ILLUMINATION

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

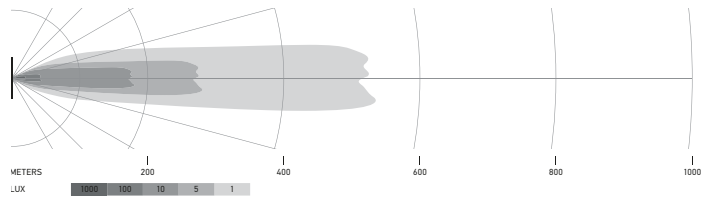
## Black Magic 21.5" Double Row Curved Light Bar

1GJ 358 197-601



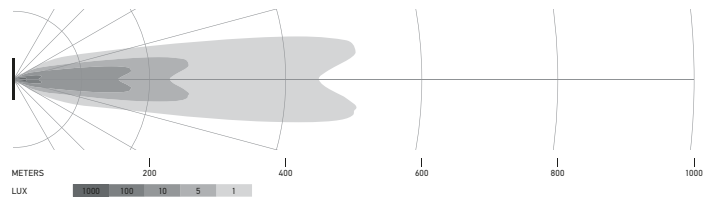
## Black Magic 30" Double Row Curved Lightbar

1GJ 358 197-611



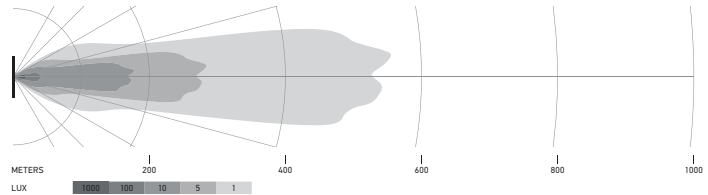
## Black Magic 40" Double Row Curved Lightbar

1GJ 358 197-621



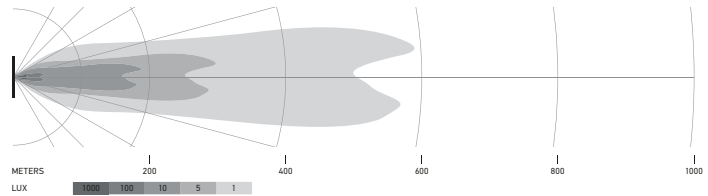
## Black Magic 50" Double Row Curved Lightbar

1GJ 358 197-631





## Black Magic 52" Double Row Curved Lightbar

1GJ 358 197-641








# PROGRAM OVERVIEW

Product image	Description	Part Number	VPE*
<b>Black Magic Slim Lightbar</b>			
	20" Slim Lightbar, TSS	1GJ 358 197-301	1
	32" Slim Lightbar, TSS	1GJ 358 197-311	1
	40" Slim Lightbar, TSS	1GJ 358 197-321**	1
	50" Slim Lightbar, TSS	1GJ 358 197-331**	1
<b>Black Magic Double Row Lightbar</b>			
	21.5" Double Row Light Bar, TSD	1GJ 358 197-401	1
	30" Double Row Lightbar, TSD	1GJ 358 197-411	1
	40" Double Row Lightbar, TSD	1GJ 358 197-421**	1
	50" Double Row Lightbar, TSD	1GJ 358 197-431**	1
	52" Double Row Lightbar, TSD	1GJ 358 197-441**	1
<b>Black Magic Slim Curved Lightbar</b>			
	20" Slim Curved Lightbar, TCS	1GJ 358 197-501	1
	32" Slim Curved Lightbar, TCS	1GJ 358 197-511	1
	40" Slim Curved Lightbar, TCS	1GJ 358 197-521**	1
	50" Slim Curved Lightbar, TCS	1GJ 358 197-531**	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>1GJ 358 197-601</b>	1
	30" Double Row Curved Lightbar, TCD	<b>1GJ 358 197-611</b>	1
	40" Double Row Curved Lightbar, TCD	<b>1GJ 358 197-621**</b>	1
	50" Double Row Curved Lightbar, TCD	<b>1GJ 358 197-631**</b>	1
	52" Double Row Curved Lightbar, TCD	<b>1GJ 358 197-641**</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>8HG 358 176-371</b></p>
	<p>Holder set for light bar version "Double Row"</p>	<p><b>8HG 358 176-381</b></p>

# APPLICATION EXAMPLES



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