



BRIEF INFORMATION

Black Magic Cubes

- Entirely dark appearance including black brackets
- The slim design prevents dust and dirt from getting trapped in the edges
- Each kit contains the wiring harness with DT connector, switch, connector and relay (easy to install)
- The surface mounting versions are also available as individual headlamps with a 500 mm cable (DT connector)
- Compact design for universal installation

The edgeless design prevents the adhesion of dust and rain

Entirely dark appearance

Black bracket for upright and pendant mounting options

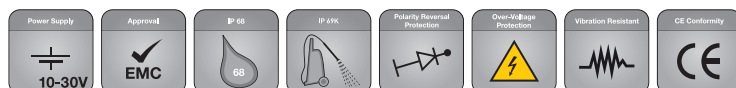
Intelligently designed reflector without glare



PRODUCT FEATURES

The Black Magic Cubes from HELLA are available in two sizes, 2.7" and 3.2". The entirely dark appearance and the slim design make this lamp stand out from the crowd. Black Magic Cubes comply with the highest dust and water resistance class. They are supplied in sets of two headlamps, including a wiring harness with DT connector, switch, connector and relay, making them easy to install. The scope of delivery of the individual headlamps includes a 500 mm cable with DT connector. The 3.2" variant is available as a floodlight or spotlight and is suitable for upright or pendant mounting or can be integrated into the bodywork or bumper. Black Magic Cubes by HELLA are the ideal companions for your next adventure.

TECHNICAL DETAILS

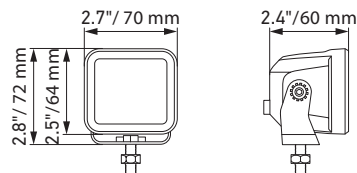


Technical data

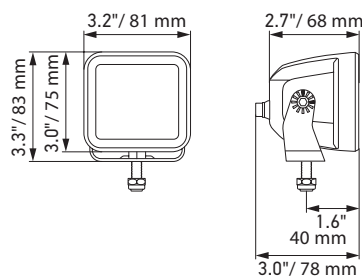
Rated voltage	Multi-voltage
Operating voltage	10–30 V
Current consumption	2.7": 1.8 A (12 V)/0.9 A (24 V) 3.2": 3.4 A (12 V)/1.6 A (24 V)
Power consumption	20 W (2.7") 40 W (3.2")
Light function	Spotlight or floodlight
Light source	LED
Colour temperature	5,700 Kelvin
Material	Aluminium, black stainless steel bracket
Weight	350 g (individual lamp 2.7") 358 g (individual lamp 3.2") 372 g (3.2" individual lamp flush mounting)
Degree of protection	IP 68, IP 69K
EMC protection	ECE-R10
Mounting	Upright/pendant mounting or flush mounting
Connection	DT connector
Number of LEDs	4
Length of cable	500 mm cable with DT connector The sets also include a short adapter wiring harness
Light output (effective)	1,400 lm (2.7") 3,000 lm (3.2")
Application	For off-road vehicles such as cross-country vehicles, SUVs, pick-ups, buggies, quad bikes, trikes, snowmobiles, construction machinery, tractors

Technical drawing

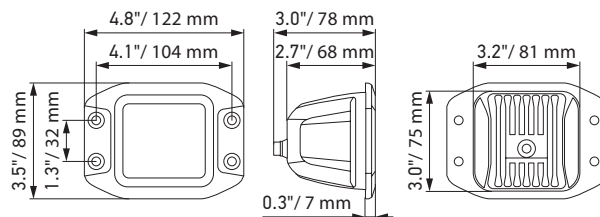
LED cube 2.7" (surface mounting version)



LED cube 3.2" (surface mounting version)



LED cube 3.2" (flush mounting version)



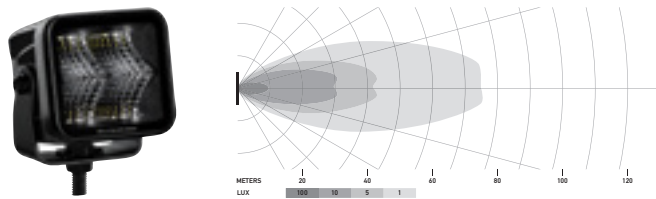
The "Black Magic" product series received two awards for the best new product in 2021:

- AAPEX Award
- Sema Global Media Award

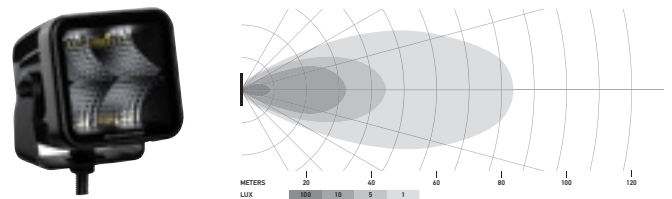
ILLUMINATION

The light distribution diagrams show the ranges of two headlamps (one pair).

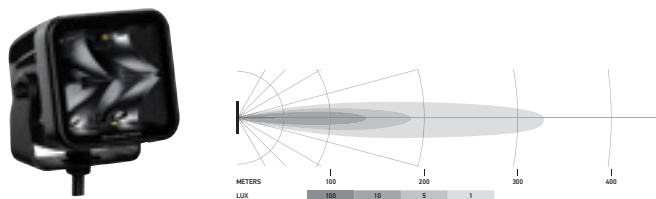
LED cube set 2,7", floodlight



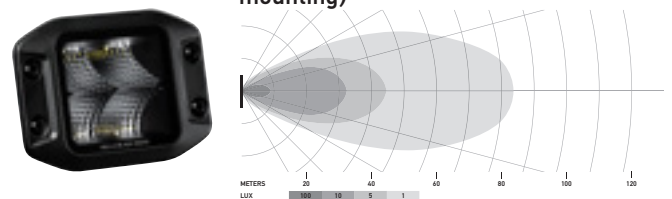
LED cube set 3,2", floodlight



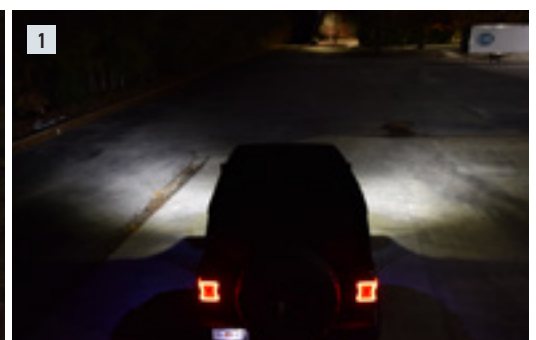
LED cube set 3.2", spotlight



LED cube set 3.2", floodlight (flush mounting)



APPLICATION EXAMPLES



- 1) 2 x Black Magic Cube: Mounting on the A-pillar - slightly angled
- 2) 2 x Black Magic Cube: Bumper mounting

PROGRAM OVERVIEW

Scope of delivery	Description	Part number
	LED cube 2.7" (floodlight) set Contains: (2) LED high beam headlamps, (1) relay, (1) switch and installation instructions, (1) wiring harness with DT connector	1FA 358 176-801
	Individual headlamps Contains: (1) LED high beam headlamp, installation instructions, (1) cable with DT connector	1FA 358 176-841
	LED cube 3.2" (floodlight) set Contains: (2) LED headlamps, (1) relay, (1) switch and installation instructions, (1) wiring harness with DT connector	1FA 358 176-811
	Individual headlamps Contains: (1) LED high beam headlamp, installation instructions, (1) cable with DT connector	1FA 358 176-851
	LED cube 3.2" (spotlight) set Contains: (2) LED headlamps, (1) relay, (1) switch and installation instructions, (1) wiring harness with DT connector	1FA 358 176-821
	Individual headlamps Contains: (1) LED high beam headlamp, installation instructions, (1) cable with DT connector	1FA 358 176-861
	LED cube set 3.2" (floodlight/flush mounting) Contains: (2) LED headlamps, (1) relay, (1) switch and installation instructions, (1) wiring harness with DT connector	1FA 358 176-831