



# BRIEF INFORMATION

## MiniRAY 2.1

### PRODUCT FEATURES

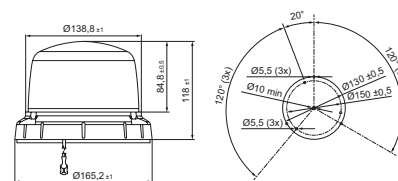
#### Flat compact design, low current consumption, high efficiency and service life

The new MiniRAY 2.1 LED beacon with flashing light function and impact-resistant polycarbonate dome is designed for Mining service vehicles. The LEDs are maintenance-free so no additional spare parts are required. This reduces downtime to a minimum. There are two mounting options available making installation extremely flexible (Ø 130 mm and SAE Ø 150 mm).

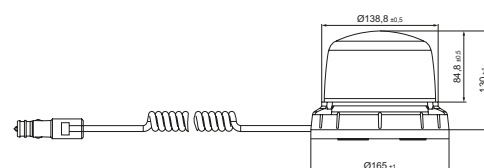
### TECHNICAL DETAILS

Technical Data	
Rated voltage ( $U_N$ )	12 V / 24 V
Operating voltage ( $U_O$ )	9–30 V
Total current consumption	approx. 0.2 A
Power consumption	4 W
Dome	Polycarbonate
Operating position	Upright
Degree of protection	IP 6K7, IP 6K9K
Temperature range	-40° to +60°
Polarity reversal protection	Yes
Housing	Polycarbonate and ABS
EMC interference immunity	ECE-R10 057636
Type approval	SAE J845 class 3

#### Dimensional sketch

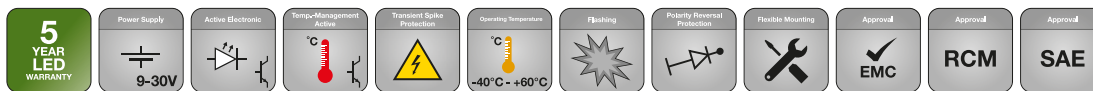


Fixed attachment



Magnetic attachment

# RANGE OVERVIEW



Product Image	Part number	Description	Operating voltage	Approval
	2XD 012 480-301	MiniRAY 2.1 F, amber	9 – 30 V	SAE, ECE-R10
	2XD 012 480-321	MiniRAY 2.1 F, blue	9 – 30 V	ECE-R10
	2XD 012 480-311	MiniRAY 2.1 F, red	9 – 30 V	SAE, ECE-R10
	2XD 012 480-341	MiniRAY 2.1 F, green	9 – 30 V	ECE-R10
	2XD 012 480-331	MiniRAY 2.1 F, white	9 – 30 V	ECE-R10
	2XD 012 480-401	MiniRAY 2.1 M, amber	9 – 30 V	SAE, ECE-R10
	2XD 012 480-411	MiniRAY 2.1 M, blue	9 – 30 V	ECE-R10
	2XD 012 480-421	MiniRAY 2.1 M, red	9 – 30 V	SAE, ECE-R10
	2XD 012 480-441	MiniRAY 2.1 M, green	9 – 30 V	ECE-R10
	2XD 012 480-431	MiniRAY 2.1 M, white	9 – 30 V	ECE-R10