FORVIA

HELLA

BRIEF INFORMATION
K-LED Nano 50, 80 and 120

> Our entry level beacon has expanded into a portfolio of three sizes
> Designed for a wide range of applications
> Available as rotating or flashing version for fixed or pipe socket mounting
> K-LED Nano 80 and 120: Customisable with the addition of a customer's logo

PRODUCT FEATURES

Introducing our new K-LED Nano 50, 80 and 120 series – the expanded version of the popular K-LED Nano range. These upgraded models come with exciting new features, focusing primarily on size, color and the option to personalize with your logo.

The K-LED Nano 50, 80 and 120 beacons are designed to enhance safety and visibility, offering rotating and flashing modes to suit different needs. With various sizes and lens colors (amber, blue, red and green) available, as well as easy mounting options that meet international standards, they provide unmatched flexibility.

In addition to the already familiar standard accessories for beacons, FORVIA HELLA now also offers a 250 mm long

cable with DEUTSCH DT connector or AMP connector. With these accessories, the beacons of the K-LED Nano series can be used for the most common plug connections.

But that's not all – these beacons also allow for custom branding, making them a perfect fit for your company's identity while ensuring safety compliance. Beyond their stylish appearance, they are built to last, with impact resistance and electromagnetic compatibility (EMC) that meet strict standards.

By adhering to industry regulations, the K-LED Nano family guarantees reliability and assurance across a wide range of applications.

# TECHNICAL DETAILS

Technical data

|	
Operating voltage range	Multi-voltage (9 – 32 V)
Rated voltage	12 V and 24 V
Current consumption	Flashing: 1.6 A (12 V) 0.78 A (24 V) Rotating: 0.33 A (12 V) 0.16 A (24 V)
Power consumption	Flashing: Ø 6.6 W / max. 19 W Rotating: max. 5 W
Light function	Flashing or rotating
Light source	LED
Material	Housing: polycarbonate + ABS black
Temperature range	-40 °C to +60 °C
Protection class	IP 6K7, IP 6K9
Approved	ECE R65, ECE R10, ADR / GGVSEB
Compliant	SAE J845 class 1, RCM, CISPR 25 Class 5
Protection	Overvoltage protection
Mounting	Fixed mounting or pipe socket mounting

Dimensional sketches

K-LED Nano 50
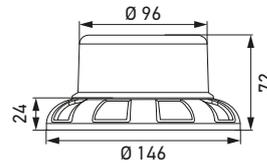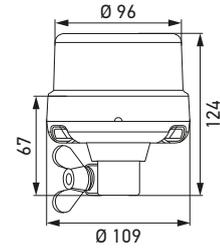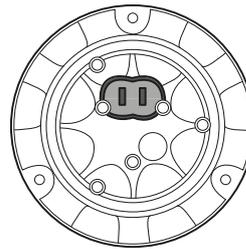
Ø 96 · 72 · 24 · Ø 146
Fixed mounting

Ø 96 · 124 · 67 · Ø 109
Pipe socket mounting

With flat connector without cable

K-LED Nano 80

Ø 112 · 111 · 30 · Ø 143
Fixed mounting

Ø 112 · 157 · 79 · Ø 143
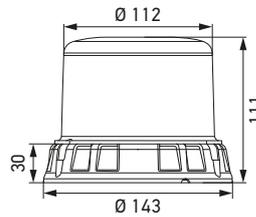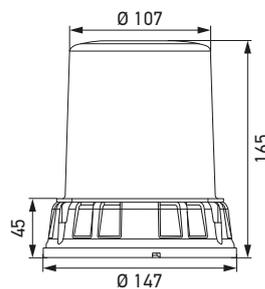Pipe socket mounting
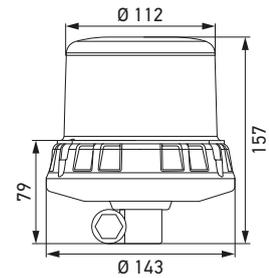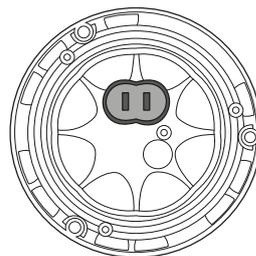
With flat connector without cable

K-LED Nano 120

Ø 107 · 165 · 45 · Ø 147
Fixed mounting
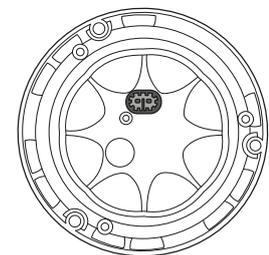
With permanently molded AMP connector without cable

APPLICATION EXAMPLES

PROGRAM OVERVIEW
K-LED NANO 50
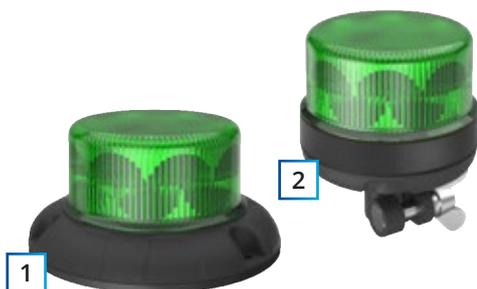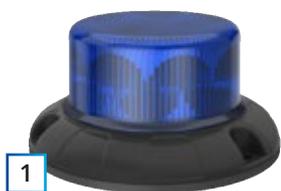
Amber

1	**2XD 066 147-001**	☀	Fixed mounting
2	**2XD 066 147-011**	☀	Pipe socket mounting
1	**2RL 099 147-001**	↻	Fixed mounting
2	**2RL 099 147-011**	↻	Pipe socket mounting

Blue

1	**2XD 066 147-101***	☀	Fixed mounting

Red

1	**2XD 066 147-201***	☀	Fixed mounting
2	**2XD 066 147-211***	☀	Pipe socket mounting

Green

1	**2XD 066 147-301***	☀	Fixed mounting
2	**2XD 066 147-311***	☀	Pipe socket mounting

Lichtfunktionen

☀ Blitzend   ↻ Rotierend

* No ECE R65 approval – the relevant country-specific legal requirements and guidelines for motor vehicles must be observed when installing the product.

PROGRAM OVERVIEW
K-LED NANO 80

Amber		
1	**2XD 066 979-001**	✷ Fixed mounting
2	**2XD 066 979-011**	✷ Pipe socket mounting
1	**2RL 099 979-001**	↻ Fixed mounting
2	**2RL 099 979-011**	↻ Pipe socket mounting

Blue		
1	**2XD 066 979-101***	✷ Fixed mounting

Red		
1	**2XD 066 979-201***	✷ Fixed mounting
2	**2XD 066 979-211***	✷ Pipe socket mounting

Green		
1	**2XD 066 979-301***	✷ Fixed mounting
2	**2XD 066 979-311***	✷ Pipe socket mounting

K-LED NANO 120

Amber		
1	**2XD 066 484-001**	✷ Fixed mounting
1	**2RL 099 484-001**	↻ Fixed mounting

* No ECE R65 approval – the relevant country-specific legal
  requirements and guidelines for motor vehicles must be observed
  when installing the product.

Light function		
✷ Flashing	↻ Rotating	

ACCESSORIES

Product picture	Description	Height	Part number
	250 mm cable with AMP connector	-	**8HG 256 667-081**
	250 mm cable mit DEUTSCH DT connector	-	**8HG 256 667-091**
	Socket extension pipe to weld on, straight	100 mm	1-pin, **8HG 002 365-001** 2-pin, **8HG 006 294-101**
	Socket extension pipe to screw on, straight, with base	126 mm	1-pin, **8HG 006 294-011** 2-pin, **on request**
	Socket extension pipe with screw attachment	100 mm	1-pin, **8HG 006 294-051** 2-pin, **8HG 006 294-091**
	Socket extension pipe to screw on, adjustable, with base	105 mm	1-pin, **8HG 006 294-031** 2-pin, **8HG 006 294-141**
	Socket extension pipe to screw on, angled, with base (2-pin on request)	100 mm (distance 50 mm)	1-pin, **8HG 006 294-111**
		100 mm (distance 90 mm)	1-pin, **8HG 006 294-021**
		105 mm (distance 120 mm)	1-pin, **8HG 006 294-171**
	Socket extension pipe to screw on, mounting on the rear of the cabin, with telescopic holder	700 – 1,000 mm	1-pin, **8HG 006 294-041** 2-pin, **on request**