



FEDERAL SIGNAL VAMA

Protecting people and our planet

NANOLED

Ultra compact LED lights



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Federal Signal Vama introduces the **NanoLED** a revolutionary ultra compact warning lights comprising of 6 LEDs. Thanks to its small size, light weight, easy installation and great light intensity, the **NanoLED** break with standard products existing in the market, revealing a versatile installation and increasing security in emergency situations.

The **NanoLED** multi-voltage lights (10-30V), incorporates 6 LEDs providing high intensity and improving energy efficiency. Its LED lights assure a long operational life, reducing maintenance costs and increasing vehicle's life.

Its range includes single colour, dual colour and vertical single colour lights, both available in a variety of flash patterns and different mounting accessories to correctly satisfy the different market needs.

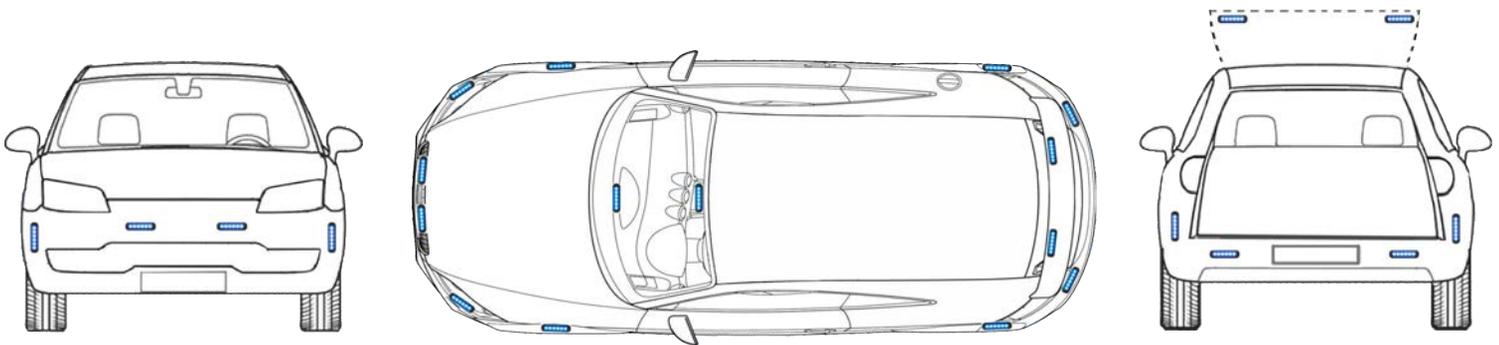
EXCELLENT LIGHTING in an ultra compact package!



Vertical
NanoLED



Area lighting NanoLED version.



Installation possibilities. Simultaneous or alternative synchronization.



The NanoLED emergency warning light increase security due to both its reduced dimensions, and its several and simultaneous mounting positions, which magnify the vehicle's visibility.



LESS THAN 3CM TALL!



ULTRA COMPACT LIGHTS!



ONLY 42 GRAMS!



ULTRA COMPACT. Especially designed to be lighter and more compact.



HIGHT INTENSITY. The 6 LED lights included in the NanoLED improve energy efficiency and light intensity, providing more security in vehicles when there is an emergency situation.



SINGLE COLOUR OR DUAL COLOUR LIGHTS. Its range includes single colour (same colour for all 6 LEDs) or dual colour lights (3 LEDs in each colour).



LONG OPERATIONAL LIFE. Federal Signal Vama's LED technology guarantees a long operational life for this supplemental warning light, reducing maintenance costs and vehicle's life.



EASY AND VERSATILE INSTALLATION. Thanks to its reduced dimensions, weight and mounting accessories availability, its installation is very easy.



SOLUTION FOR ANY MARKET NEEDS. As a result of having several light colours and due to its versatility, NanoLED series lights can be integrated in the grill, inside or outside the vehicle, in the trunk or in the vehicle's rear part.



WATER PROTECTION. Follow protection certification IPX9K - IPX6.



CONNECTION SIMPLICITY. NanoLED's installation only requires one cable.



SYNCHRONIZABLE. NanoLED series allows simultaneous or alternative synchronization up to 12 lights.



CRUISE LIGHT. Cruise light option for blue, red or amber lights.

MOUNTING ACCESSORIES

STANDARD BRACKET

• "L" BRACKETS



Simple
Ref. 8232851



Double horizontal
Ref. 8232852



Double vertical
Ref. 8232853

• SWIVELLING BRACKET



Ref. 8232854

• HOOD BRACKET



With adhesive (A) or screwed (B)
Ref. 8232893

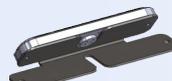


Metal bracket
Ref. 8232894

GRILL SUPPORTS PER VEHICLE MODEL



Renault Master
Ref. 8232864



T6 - Grille 2R
Ref. 8232867



T6 - Grille 3R
Ref. 8232870



Crafter
Ref. 8232863



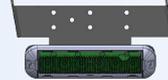
Crafter v. 2019
Ref. 8232863-01



M. Vito
Ref. 8232868



M. Sprinter (left)
Ref. 8232866



M. Sprinter (right)
Ref. 8232865



M. Sprinter v. 2019
Ref. 8232940

Technical specifications

- Voltage: Multivoltage (10-30V).
- Number of LEDs: 6 (single colour or dual colour).
- Consumption 12V: Flash pattern: 0,5 A - 1,10 A*
- Consumption 24V: Flash pattern: 0,3 A - 0,65 A*
- Flash pattern (single colour): 7.
- Flash pattern (dual colour): 16.
- Operating temperature: -40 a 65°C.
- Dimensions (with bezel): 107,5 x 27,5 x 9,3mm.
- Dimensions (without bezel): 104 x 24 x 9,3 mm.
- Weight: 42 gr.

* Consumption average depends on the specific model.



HOW TO ORDER

NanoLED

- 2010718 NanoLED, LED directional light, amber/amber, clear lens, with flasher, multivoltage 10-30V. UN R65 class 1 approved.
- 2010718-01 NanoLED, LED directional light, amber/amber, clear lens, with flasher, multivoltage 10-30V. UN R65 class 1 approved with cruise light
- 2010709 NanoLED, LED directional light, amber/amber, clear lens, with flasher, multivoltage 10-30V. UN R65 class 2 approved.
- 2010712 NanoLED, LED directional light, white/amber, clear lens, with flasher, multivoltage 10-30V.
- 2010710 NanoLED, LED directional light, blue/amber, clear lens, with flasher, multivoltage 10-30V.
- 2010705 NanoLED, LED directional light, blue/blue, clear lens, with flasher, multivoltage 10-30V. UN R65 class 1 approved.
- 2010705-02 NanoLED, LED directional light, blue/blue, clear lens, with flasher, multivoltage 10-30V. UN R65 class 1 approved with cruise light
- 2010707 NanoLED, LED directional light, blue/blue, clear lens, with flasher, multivoltage 10-30V. UN R65 class 2 approved.
- 2010713 NanoLED, LED directional light, blue/white, clear lens, with flasher, multivoltage 10-30V.
- 2010708 NanoLED, LED directional light, blue/red, clear lens, with flasher, multivoltage 10-30V.
- 2010717 NanoLED, LED directional light, red/red, clear lens, with flasher, multivoltage 10-30V. UN R65 class 1 approved.
- 2010717-01 NanoLED, LED directional light, red/red, clear lens, with flasher, multivoltage 10-30V. UN R65 class 1 approved with cruise light
- 2010711 NanoLED, LED directional light, red/red, clear lens, with flasher, multivoltage 10-30V. UN R65 class 2 approved.
- 2010723 NanoLED, LED directional light, amber/red, clear lens, with flasher, multivoltage 10-30V.
- 2010714 NanoLED, LED directional light, red/white, clear lens, with flasher, multivoltage 10-30V.
- 2010706 NanoLED, LED directional light, white/white, clear lens, with flasher, multivoltage 10-30V.

NanoLED with independent light control 3+3

- 2010746 NanoLED, LED directional light, 3 blue + 3 amber LEDs clear lens, with flasher, multivoltage 10-30V. UN R65 class 1 approved with independent light control
- 2010732 NanoLED, LED directional light, 3 blue + 3 white LEDs, clear lens, with flasher, multivoltage 10-30V, with independent light control
- 2010733 NanoLED, LED directional light, 3 blue + 3 red LEDs, clear lens, with flasher, multivoltage 10-30V, with independent light control
- 2010734 NanoLED, LED directional light, 3 amber + 3 red LEDs, clear lens, with flasher, multivoltage 10-30V, with independent light control
- 2010735 NanoLED, LED directional light, 3 red + 3 white LEDs, with flasher, multivoltage 10-30V, with independent light control
- 2010736 NanoLED, LED directional light, 3 white + 3 amber LEDs, with flasher, multivoltage 10-30V, with independent light control

Area lighting NanoLED

- 2010727 NanoLED, directional area LED light white-white/clear lens, no flasher, multivoltage

Vertical NanoLED

- 2010806 Vertical NanoLED, LED directional light, blue/blue, clear lens, with flasher, multivoltage 10-30V. UNR65 class 1 approved.
- 2010809 Vertical NanoLED, LED directional light, blue/blue, clear lens, with flasher, multivoltage 10-30V. UNR65 class 1 approved with cruise light.
- 2010803 Vertical NanoLED, LED directional light, blue/blue, clear lens, with flasher, multivoltage 10-30V. UNR65 class 2 approved.
- 2010807 Vertical NanoLED, LED directional light, amber/amber, clear lens, with flasher, multivoltage 10-30V. UNR65 class 1 approved.
- 2010810 Vertical NanoLED, LED directional light, amber/amber, clear lens, with flasher, multivoltage 10-30V. UNR65 class 1 approved with cruise light.
- 2010804 Vertical NanoLED, LED directional light, amber/amber, clear lens, with flasher, multivoltage 10-30V. UNR65 class 2 approved.
- 2010808 Vertical NanoLED, LED directional light, red/red, clear lens, with flasher, multivoltage 10-30V. UNR65 class 1 approved.
- 2010811 Vertical NanoLED, LED directional light, red/red, clear lens, with flasher, multivoltage 10-30V. UNR65 class 1 approved with cruise light.
- 2010805 Vertical NanoLED, LED directional light, red/red, clear lens, with flasher, multivoltage 10-30V. UNR65 class 2 approved.

Mount Accesories

- 2010721 Cromed Bezel (optional)
- 8232851 Simple "L" mounting accessory
- 8232852 Double "L" horizontal mounting accessory
- 8232853 Double "L" vertical mounting accessory
- 8232854 Swivelling mounting accessory
- 8232893 Hood support with adhesive or screwed bracket
- 8232894 Hood support with metal bracket

- 8232863 Grille support for VW Crafter
- 8232863-01 Grille support for VW CRAFTER v.2019
- 8232864 Grille support for Renault Master
- 8232865 Right Grille support for Mercedes Sprinter
- 8232866 Left Grille support for Mercedes Sprinter
- 8232940 Grille support for MERCEDES Sprinter v.2019
- 8232868 Grille support for Mercedes Vito
- 8232867 2 racks grill support for VW T6
- 8232870 3 racks grill support for VW T6

(*) All models include a black bezel.

