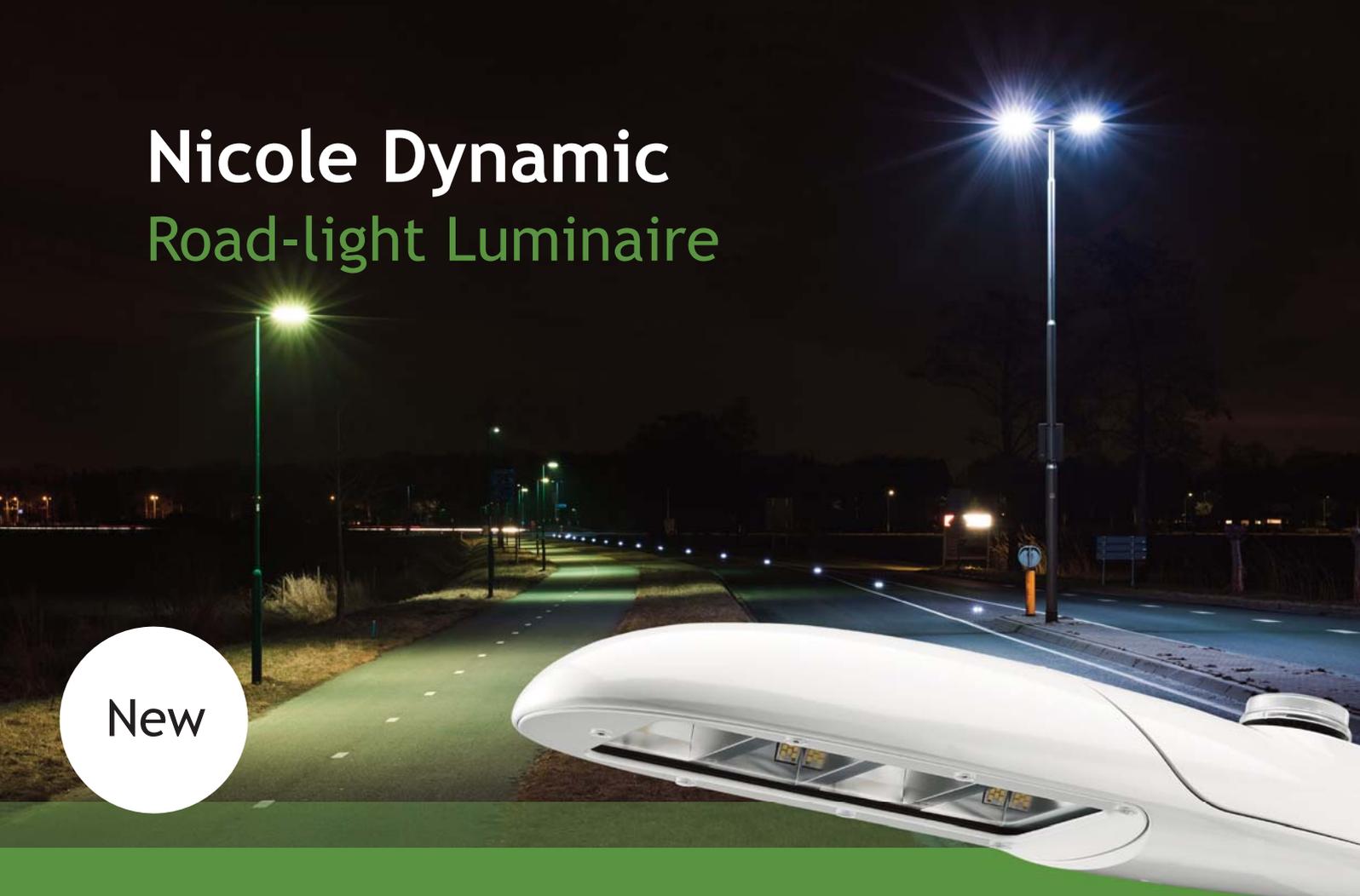


Nicole Dynamic

Road-light Luminaire



New

The Nicole Dynamic is the latest evolution of the highly successful Nicole reflector luminaire. The familiarity of the Nicole has been enhanced with the latest and most modern communication technology. Alongside the familiar Innolumis light colours, now it's also possible to control all the colours remotely within the so-called CIE1931 colour triangle, at any time. The Nicole Dynamic is supplied in two variants: the RGBW version (with a combination of red, green, blue and white LEDs) and the Amber-White version.

Developed by Innolumis, the 4-channel DC/DC driver of the Nicole Dynamic is powered by an ENEC-certified driver and controlled by a tailor-made communication module which works on NB-IoT and which is positioned at the top of the luminaire.

A customised dashboard enables remote control of the lighting, while light colour and intensity can be varied. Customer-specific programmes can also be set to augment the standard pre-programmed programmes for time, light colour and intensity.

Dynamic RGBW

This version of the Nicole unlocks a world of possibilities for managers of lighting in public spaces. For example, cool white light could be used during rush hour for optimal visibility, switching to other light colours like warm white, yellow-orange or even blue-green later in the evening. Where weather conditions change, such as the onset of fog or mist, the operator can switch to a different light colour for more contrast on the road, all at the touch of a button. The Nicole Dynamic RGBW is also an attractive solution for

safety uses: for example, green lighting to indicate escape routes, or red lighting to signal the approach of emergency services.

Dynamic Amber-White

The Amber White version of the Nicole is also an attractive option for bat protection. It's possible to switch between white lighting for optimal human visibility, and amber lighting in locations where and when bats are active. Here the luminaire is assisted by sensor technology that can detect bat activity, switching to amber which is less disruptive for bats. That makes the Nicole Dynamic Amber White the perfect solution in such situations, serving the interests of both man and animal to the fullest.

Curious about the applications and possibilities?
Then get in touch with us!

Both versions mentioned above are available
in the Mini Nicole and the Nicole.

Innolumis

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Preliminary product specifications

Fitting material	Aluminum, LM6 quality
Finishing	2 layer epoxy based powder coating
Fitting colour	RAL 7035, other RAL colours upon request
Optics materials	Glass: Toughened high transmission glass Reflector: Aluminum Miro 7
Protection degree	IP66 (dust-free and spray-proof)
Impact resistance fixture	IK10
Impact resistance glass	IK08
Post diameter	48 - 60 mm or 60-76 mm
Elevation angle	In increments of 5 degrees
Driver	Inventronics
4-channeldriver	CSL
Dimmable	Yes, programmable
Surge Protection Device (SPD)	Yes, > 10 KV by Citel
Cos(phi)	> 0,95
THD	< 15%
Insulation class	Class I or II
Connector	Push-in connector for a 3 or 5 conductor cable
Source	100-240 VAC 50/60Hz
Ambient temperature	-40 °C to +50 °C
LED chips	CREE
Number of LED's	4 x 10
LED colours	RGBW = Red, Green, Blue and White Amber-White = Amber and White
Wattage	Mini Nicole = 40 Watt Nicole = 40, 60 and 100 Watt
Luminous flux	Depending on colour configuration
Expected lifetime	> 20 years or 100,000 hours
Lumen preservation	Constant Current Output, > 90% after 100,000 hours
Break-down ratio	< 10% after 100,000 hours



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Innolumis Public Lighting
Ariane 4
3824 MB Amersfoort
T +31 (0)33 760 04 34

F +31 (0)33 760 01 35
E info@innolumis.com
@Innolumis

www.innolumis.com

Innolumis