

# 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

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



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