

# simon NATH LXF ISTANIUM® LED 2



**Functional road LED Luminaire**  
 Perfect for the Intensive  
 introduction of LED technology  
 Installation recommended at  
 heights from 8 to 12 m





## CONFIGURATOR

### MODEL

LXF



L size, post-top and lateral Ø 60 mm fixing, flat cover

DIFFUSER	WIRED	INPUT VOLTAGE / PROTECTION	OPTICS	COLOUR TEMP.	LEDs / POWER	CURRENT	DIMMING
GTF Flat Transp. Glass	0 m No wiring	230 Vac CI  Mains power	RJ Road frontal Type J	NDL Neutral daylight	64 LED 350 mA 67 W 530 mA 102 W 700 mA 134 W	350 mA HIGH EFFICIENCY	2N- w/o control line Self-dimming
		230 Vac CII  Mains power	RE Road Extended	WDL Warm daylight	128 LED 530 mA 204 W 700 mA 269 W	530 mA HIGH BALANCE	2N+ With control line
						700 mA HIGH FLUX	1N No dimming
							CAD Cabinet amplitude dimming
							1..10 V Protocol 1..10
							DALI DALI Protocol

### FINISHES

Simon Lighting colour chart

See Simon Lighting colours

RAL classic colour chart

See RAL chart



**OFFER CODE CONFIGURATOR**

		SELECT
<b>NATLXF</b>	Simon NATH Istanium® LED luminaire, size L, lateral and post-top fixing, 60 mm, flat cover	<b>MODEL</b>
<b>GTF</b>	Flat Transparent Glass Diffuser <i>to protect the LED optics, easy to clean</i>	<b>DIFFUSER</b>
<b>O</b>	No installation wiring (0 meters)	<b>WIRED</b>
<b>RJ_</b>	Road Frontal Optics Type J, <i>multi-optical to guarantee photometric uniformity</i>	<b>OPTICS</b>
<b>RE_</b>	Road Extended Optics Type E, <i>multi-optical to guarantee photometric uniformity</i>	
<b>NDL</b>	Neutral daylight	<b>COLOUR TEMPERATURE</b>
<b>WDL</b>	Warm daylight	
<b>269W700</b>	269 W 700 mA (25624 lumen at 4000 K) <i>128 LEDs</i>	<b>POWER OPTICAL GROUP</b>
<b>204W530</b>	204 W 530 mA (21077 lumen at 4000 K) <i>128 LEDs</i>	
<b>134W700</b>	134 W 700 mA (13129 lumen at 4000 K) <i>64 LEDs</i>	
<b>102W530</b>	102 W 530 mA (10684 lumen at 4000 K) <i>64 LEDs</i>	
<b>_67W350</b>	67 W 350 mA (7584 lumen at 4000 K) <i>64 LEDs</i>	
<b>IA23_</b>	Electronic control gear, 230 Vac 50/60 Hz	<b>CONTROL GEAR</b>
<b>2N-_</b>	w/o control line ( <i>self-dimming</i> )	<b>DIMMING</b>
<b>2N+_</b>	dimming with control line	
<b>1N_</b>	no dimming (on/off)	
<b>CAD_</b>	per flow from cabinet	
<b>1..10</b>	input 1..10 volts	
<b>DALI</b>	DALI Protocol	
<b>C1</b>	Class 1	<b>ELECTRICAL PROTECTION</b>
<b>C2</b>	Class 2	
<b>GY9007</b>	<i>Painted in Simon Lighting colours</i> <i>Painted in RAL classic colour chart</i>	<b>FINISH</b>

**NATLXF** **GTF** **O** **---** **---** **--- W ---** **IA23\_** **---** **C-** **----**

**Configuration example**

<b>NATLXF</b>	<b>GTF</b>	<b>O</b>	<b>RJ_</b>	<b>NDL</b>	<b>204W530</b>	<b>IA23_</b>	<b>CAD_</b>	<b>C1</b>	<b>GY9007</b>
Simon NATH Istanium® LED 2 luminaire, model L, lateral and post-top Ø 60 mm fixing, flat cover	Flat transparent glass diffuser	No pre-wiring	Road Frontal Optics Type J	Neutral colour temperature	Optical group power 204 W, HIGH BALANCE supply current	Supply voltage 230 Vac	Cabinet Amplitude Dimming	Class 1 electrical protection	Finish in Simon GY9007 colour

# simon NATH LXF ISTANIUM® LED 2

## NATH LXF ISTANIUM® LED 2 REFERENCES WITH DIMMING WITH NO CONTROL LINE 2N-



LXF

Simon NATH LED luminaire, model L, lateral and post-top Ø 60 mm fixing, flat cover, flat, transparent glass diffuser and electronic control gear. Class I, IP66 for optical group Istanium® LED 2 and IK10. No pre-wiring, supply voltage 230 Vac/50 Hz, road frontal optics RJ, neutral daylight, with self-dimming and no control line 2N-. Standard finish in Simon GY9007 Colour, with self-leveller and no visible cooling fins in the operating position. Single body luminaire with two independent compartments for the optical group and for gear, the latter can be opened without tools. Possible variations according to the configuration table.

### HIGH FLUX (700 mA)

POWER*	CONSUMPTION**	LEDs	OFFER CODE	ORDER CODE
269 W	180 W	128 LED	NATLXFGTFORJ_NDL269W700IA23_2N-_C1GY9007	104-000180016
134 W	90 W	64 LED	NATLXFGTFORJ_NDL134W700IA23_2N-_C1GY9007	104-000177016

### HIGH BALANCE (530 mA)

POWER*	CONSUMPTION**	LEDs	OFFER CODE	ORDER CODE
204 W	136 W	128 LED	NATLXFGTFORJ_NDL204W530IA23_2N-_C1GY9007	104-000179016
102 W	68 W	64 LED	NATLXFGTFORJ_NDL102W530IA23_2N-_C1GY9007	104-000176016

### HIGH EFFICIENCY (350 mA)

POWER*	CONSUMPTION**	LEDs	OFFER CODE	ORDER CODE
67 W	45 W	64 LED	NATLXFGTFORJ_NDL_67W350IA23_2N-_C1GY9007	104-000175016

## NATH LXF ISTANIUM® LED 2 REFERENCES WITHOUT DIMMING 1N



LXF

Simon NATH LED luminaire, model L, lateral and post-top Ø 60 mm fixing, flat cover, flat, transparent glass diffuser and electronic control gear. Class I, IP66 for optical group Istanium® LED 2 and IK10. No pre-wiring, supply voltage 230 Vac/50 Hz, road frontal optics RJ, neutral daylight, no dimming. Standard finish in Simon GY9007 Colour, with self-leveller and no visible cooling fins in the operating position. Single body luminaire with two independent compartments for the optical group and for gear, the latter can be opened without tools. Possible variations according to the configuration table.

### HIGH FLUX (700 mA)

POWER*	LEDs	OFFER CODE	ORDER CODE
269 W	128 LED	NATLXFGTFORJ_NDL269W700IA23_1N__C1GY9007	104-000195016
134 W	64 LED	NATLXFGTFORJ_NDL134W700IA23_1N__C1GY9007	104-000192016

### HIGH BALANCE (530 mA)

POWER*	LEDs	OFFER CODE	ORDER CODE
204 W	128 LED	NATLXFGTFORJ_NDL204W530IA23_1N__C1GY9007	104-000194016
102 W	64 LED	NATLXFGTFORJ_NDL102W530IA23_1N__C1GY9007	104-000225016

### HIGH EFFICIENCY (350 mA)

POWER*	LEDs	OFFER CODE	ORDER CODE
67 W	64 LED	NATLXFGTFORJ_NDL_67W350IA23_1N__C1GY9007	104-000227016

\* Rated power of the LED optical group

\*\* Average consumption per hour of night-time operation (annual average)

**TECHNICAL SPECIFICATIONS NATH LXF IStanium® LED 2**

**PHOTOMETRIC DATA\*\***

**Optical group: modular system with IStanium® LED MODULES**

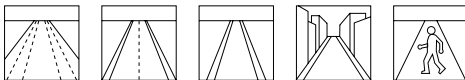
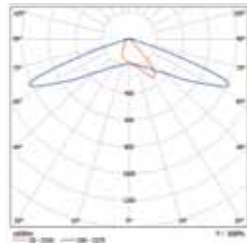
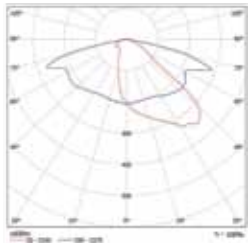
Colour temperature	WDL 3000 K
	NDL 4000 K
	DL 5000 K**
Colour Rendering Index	>70 (3000 K)
	>70 (4000 K)
LED lifetime (L70 at 25 °C)	60000 h
Light flux	6500 to 28780 lm
Luminaire efficiency	Up to 130 lm/W
Photometric distribution	Optics Type RJ
	Optics Type RE
Inst. ULOR	☀ E1 (<1%)
Istanium® LEDs	64 to 128

\* Depending on the model \*\* On request

**PHOTOMETRIC DISTRIBUTION**

Road frontal Type RJ

RE Road Extended Light Type E



**ELECTRICAL PARAMETERS\***

<b>Power depending on the NATH LXF models</b>	64 LED	128 LED
<b>Supply current</b>		
HIGH EFFICIENCY	67 W	135 W
HIGH BALANCE	102 W	204 W
HIGH FLUX	134 W	269 W
<b>Operating temperature</b>	-35 °C ... +35 °C	
<b>Dimming</b>	2N- w/o control line	1N (100%) No dimming
	2N+ with control line	1 - 10 V**
	CAD Cabinet amplitude dimming	DALI**

	Luminaires powered by the mains power
<b>Supply voltage</b>	220-240 Vac
<b>Frequency</b>	50/60 Hz
<b>Protection against overvoltage</b>	4 kV / 2 kA
<b>Cos φ</b>	≥0.95
<b>Luminaire electrical protection</b>	Class I or Class II

\* Depending on the model \*\* On request

**PHYSICAL DIMENSIONS**

Post-top fixing	Ø 60 mm, 100 mm long, 0° - 5° - 10° inclination
Lateral fixing	Ø 60 mm, 100 mm long, -5°- 0° - 5° - 10° inclination
IP Grade*	IP66
IK Grade	IK10
Wind surface	☀ Nath 0.073 m²
Weight	👤 Nath L Max 13 kg

**MATERIALS**

Body	Die-cast aluminium
Closing system	Stainless steel lever
Fixing system	Die-cast aluminium
Diffuser	Flat transparent toughened glass
Recyclability	♻️

**DIMENSIONS**



**FINISHES**

Body	Simon Lighting Colours
	Other RAL colours
Closure	Stainless steel

**CERTIFICATION**

Luminaire according to: EN-60598-1 and 2-3 / EN-ISO-55015 / EN-61547 / EN 61000-3-2 and 3-3 / EN 62031 / EN 61347-2-13 / EN 62471 / EN 55015



**Guarantee**

2 years (extension of guarantee for LEDs to 5 years upon request).

**Items supplied and packaging**

Packed in recyclable cardboard box with identification label to protect the product during transport and storage.

**Maintenance**

Keep diffuser surface clean to obtain maximum light flux. Use a damp cloth without any aggressive products or detergents. Lubricate the sealing rings and replace them when they become cracked. Lubricate closures and/or hinges of moving parts. Keep thermal radiation surface clean to prevent loss of light flux and shortening of the lifespan of the LEDs.