Noesi



GDS®
LIGHTING



Design
Flexibility
Effectiveness

Noesi is a compact luminaire made of die-cast aluminium, a light yet robust material.

The **two available sizes**, M and L, and the fact that it can **also be installed as a pole-mounted luminaire**, give it great versatility in application.

The broad optical portfolio, combined with a wide range of lumen packages, allows Noesi to be installed in any environment, from urban and suburban contexts, to small and large light towers..



2
Available sizes

2
Different tipes of installations

Integrated goniometer to allow optimal, millimetric control of orientation

Noesi:
The greatest versatility for outdoor application

9
Basic optics
Optiwise®

The combination with **Optiwise®** optics allows the **highest uniformity values** in the most different situations.

Data sheet

General features

Applications	Outdoor lighting
Optics	Multi-layer PMMA lenses
Colour temperature	**2**: Warm White 3.000K; **8**: Neutral White 4.000K;
CRI and tolerance	Minimum 70, on request 80 and 90
Safety class	Exempt Group
Insulation class	Class II, class I on request
IK rating	IK09
IP rating	IP66
Wiring	Quick plug-in IP65 connector
Dimensions	**Noesi M**: 461 x 381 x 158 mm; **Noesi L**: 642 x 421 x 173 mm
Weight	**Noesi M**: 6 Kg; **Noesi L**: 10 Kg

Electrical Features

Power supply	120-270 V 50/60 Hz, 220-270 V on request
Power factor	> 0,97 (full load)
Control system	1-10V, "virtual midnight" automatic dimming system up to 5 steps, CLO and DALI-2 function; Zhaga 18 on request
Overvoltage protection	10kV differential mode, 10kV common mode, SPD 5kA on request
Operating temperature	-20°C +50°C
Lifetime value (Ta from -10°C to 40°C)	L90 B10 > 100.000 hr

Materials

Fixing	By means of an aluminium bracket
Frame, dissipation	Aluminium bracket
Screen	Flat tempered glass 5 mm thick, resistant to thermal shock and impact

Code

NOL H 8 03 2 N A

Various
A - Standard Surge Protection
B - Extra Suppressor
L - Standard Surge Protection

Dimming
N - No Dimming
M - Virtual Midnight
Z - Virtual Midnight + CLO
L - Zhaga 18 + Virtual Midnight
Y - Zhaga 18 + Virtual Midnight + CLO

Insulation class
1 – Classe I 120-270V
2 - Classe II 220-240V

Power
from 61,6 W to 291 W

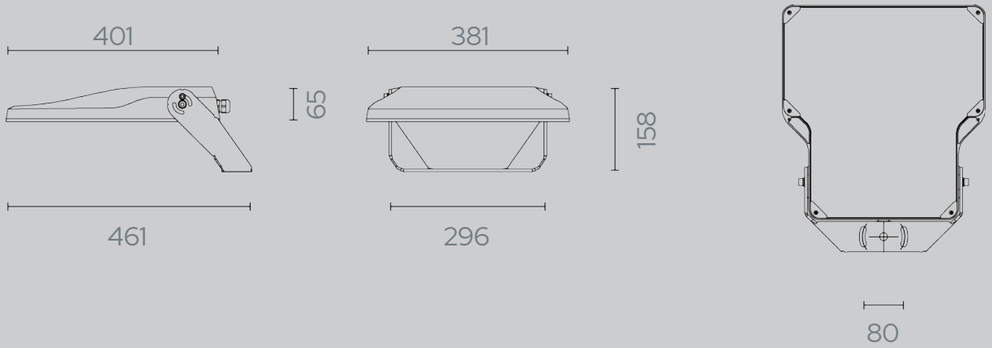
Led colour temperature
8 – 4000K
2 – 3000K

Optics
E - Forward Wide L01
F - Front-Back V10
U - Rotosimmetric Wide V04
H - L12
13
25
40
AS
S2

Noesi M

Colour	Anthracite gray RAL 7015
Temperature range	- 20 / + 50 °C
IP rating	IP66
IK rating	IK09
Power supply	DALI-2, 1-10V, CLO, virtual midnight
Interfaces	Zhaga 18

Noesi M · Weight 6 kg



Technical performance

Power	from 61,6 to 137 W
Lumen	da 9.300 lm a 19.400 lm
Efficiency	from 112 lm/W to 171 lm/W
CRI	70 / 80 / 90
Color tolerance	5 steps MacAdam
Colour temperature	3.000 K / 4.000 K
Warranty	5 years
Lifetime (L90 B10)	100.000 h

Optical systems

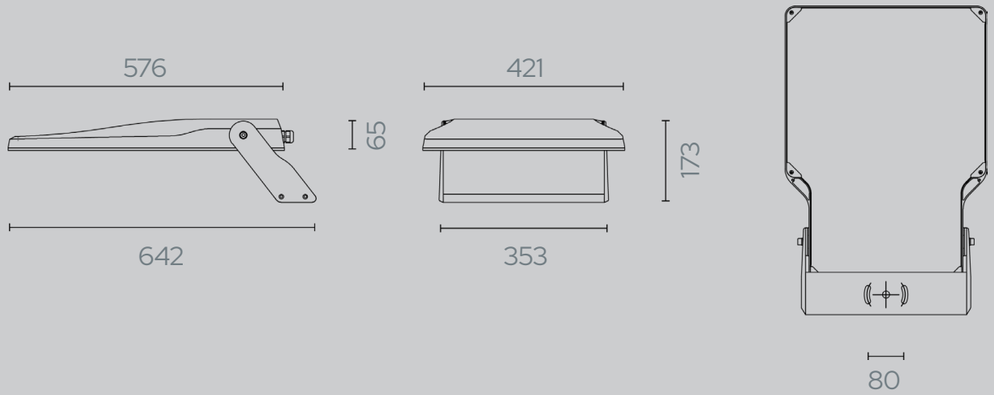




Noesi L

Colour	Anthracite gray RAL 7015
Temperature range	- 20 / + 50 °C
IP rating	IP66
IK rating	IK09
Power supply	DALI-2, 1-10V, CLO, virtual midnight
Interfaces	Zhaga 18

Noesi L · Peso 10 kg

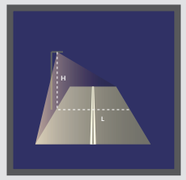


Technical performance

Power	from 172 W to 291 W
Lumen	da 27.000 lm a 34.800 lm
Efficiency	from 111 lm/W to 166 lm/W
CRI	70 / 80 / 90
Color tolerance	5 steps MacAdam
Colour temperature	3.000 K / 4.000 K
Warranty	5 years
Lifetime (L90 B10)	100.000 h

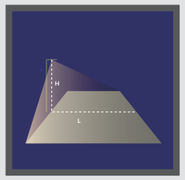
Optical systems

V10 | Front-Back



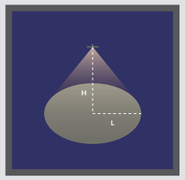
L / H = 1,2 ÷ 1,5

L01 | Forward Wide



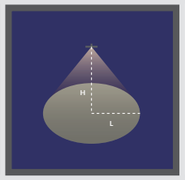
L / H = 1,5-2,0

13



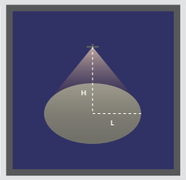
L / H = 1.6 ÷ 2.0

25



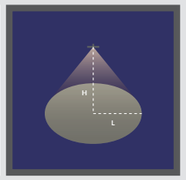
L / H = ND

40



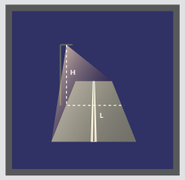
L / H = 1,0

V04 | Roto-Wide



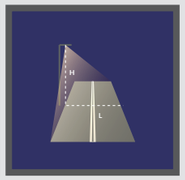
L / H = ND

AS



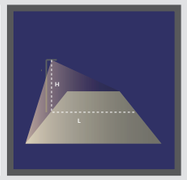
L / H = 1,0

S2



L / H = 1,2

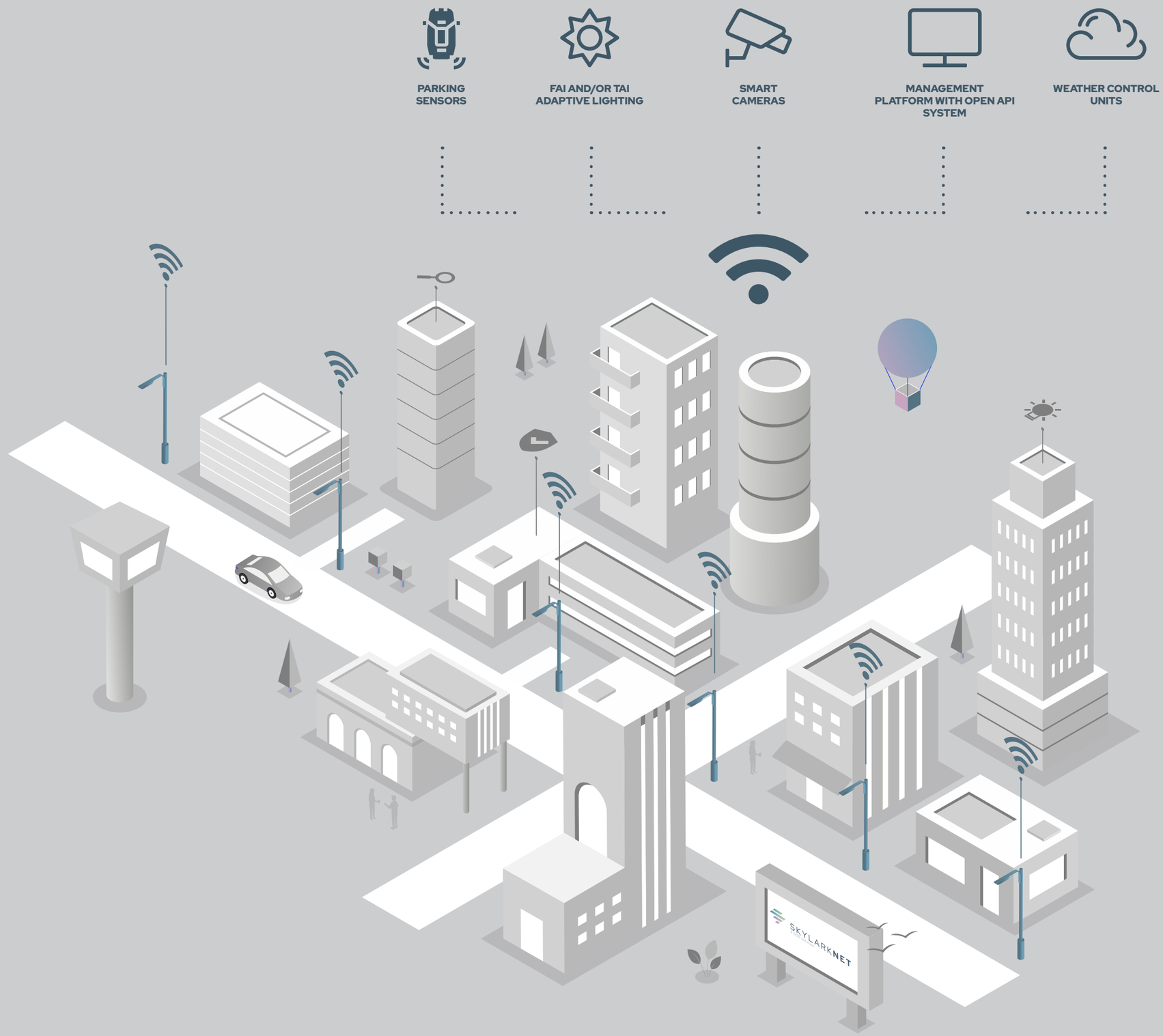
L12



L / H = 1,2 ÷ 1,5



Noesi is the eco-friendly solution for outdoor lighting that integrates perfectly with **SkylarkNet**, the connectivity system for smart cities developed by GDS Lighting.
Open, scalable, secure, SkylarkNet platform is based on radio frequencies that connect devices and monitoring services.



SKYLARK**NET**
a GDS solution

Other available **Products**



Talede Plus

The SLC-Talede Plus family was created to offer significant savings compared to conventional lighting, while maintaining a relatively low initial cost. With over 26 lumen packages, Talede guarantees application flexibility and becomes the ideal solution for high volume projects.



MaXimo

Family of street luminaires with an innovative design characterized by high efficacy and robustness, conceived to offer a tailor-made design solution for different lighting needs. Its flexibility is guaranteed by a wide range of lumen packages, from 2,000 to 23,000 lm, by the variety of photometric distributions and by the different control options.



Hemera

Functional and durable, the Hemera family has been studied and designed with an eco-design approach, with the aim of minimizing environmental impacts. The compact dimensions make the Hemera family also suitable for low-height installations.



Kit Retrofit

Kit Retrofit is a system designed to make the relamping of historic urban centers convenient by exploiting the flexibility and performance that characterize LED sources. Featuring 5 optical configurations and 6 power versions.



Themis

Multi-purpose product family, suitable for urban, street and center-street lighting. Robust and easy to install, Themis is a 3-in-1 appliance that is characterized by safety, reliability and ease of maintenance. Lumen packages available from 1,600lm to 11,000lm.



Koinè

Family suitable for urban lighting, whose design integrates perfectly with the lighting of historic centers. Available in 5 power versions and 7 optical configurations.

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