

NOESI M GENERAL CHARACTERISTICS

Applications	Outdoor lighting
Optics	E: Forward Wide E-L01; U: Roto-Wide U-V04; F: Front-Back V10; H: Asymmetric H-L12; 13: Rotosymmetric 13°; 25: Rotosymmetric 25°; 40: Rotosymmetric 40°;
Colour temperature	2: Warm White 3,000K; 8: Neutral White 4,000K;
CRI and color tolerance (SDCM)	Min. > 80, on request 90 (LED type: B; flux multiplier 0.8) Colour tolerance between several luminaires Max. 5 MacAdam steps; on request 3 MacAdam steps
Photobiological safety class	Exempt Group
Insulation class	Class II , Class I upon request
Degree of protection	IK09
IP Grade	IP66
Wiring	Quick plug-in IP65 connector
Dimensions	461 x 381 x 158 mm
Weight	6 kg

ELECTRICAL CHARACTERISTICS

Power supply	120-270 V 50/60 Hz; 220-270 V su richiesta
Power factor	> 0,97 (at full load)
Control system	1-10V, "virtual midnight" automatic dimming system up to 5 steps, CLO and DALI-2 function; Zhaga 18 on request
Operating temperature	-20°C +50°C
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 100.000 hr @ tA max 50 °C

MATERIALS

Fixing	By means of an aluminium bracket
Heatsink	Die-cast aluminium
Frame	Die-cast aluminium
Optics	Multi-layer PMMA lenses
Screen	Flat tempered glass 5 mm thick, resistant to thermal shock and impact

The characteristics of the product are subject to change and will be confirmed when the order is placed.
The values indicated are to be considered with a tolerance of +/- 5%.

POWER AND OPTICAL FLUX I E
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
NOMA_ _012_ _	61,6	8.906	145	61,6	8.563
NOMA_ _022_ _	94,0	13.094	139	94,0	12.589
NOMA_ _032_ _	137,0	18.078	132	137,0	17.382

POWER AND OPTICAL FLUX I U
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
NOMA_ _012_ _	61,6	10.540	171	61,6	10.134
NOMA_ _022_ _	94,0	15.496	165	94,0	14.899
NOMA_ _032_ _	137,0	21.396	156	137,0	20.571

POWER AND OPTICAL FLUX I F
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
NOMA_ _012_ _	61,6	9.950	162	61,6	9.566
NOMA_ _022_ _	94,0	14.627	156	94,0	14.064
NOMA_ _032_ _	137,0	20.196	147	137,0	19.418

POWER AND OPTICAL FLUX I H
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
NOMA_ _012_ _	61,6	10.215	166	61,6	9.821
NOMA_ _022_ _	94,0	15.017	160	94,0	14.439
NOMA_ _032_ _	137,0	20.735	151	137,0	19.936

POWER AND OPTICAL FLUX I 13
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
NOMA_ _012_ _	61,6	8.562	139	61,6	8.049
NOMA_ _022_ _	94,0	13.066	139	94,0	12.282
NOMA_ _032_ _	137,0	19.043	139	137,0	17.900

POWER AND OPTICAL FLUX I 25
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
NOMA_ _012_ _	61,6	8.421	137	61,6	7.915
NOMA_ _022_ _	94,0	12.850	137	94,0	12.079
NOMA_ _032_ _	137,0	18.728	137	137,0	17.604

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

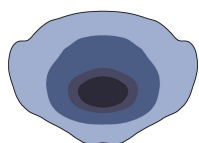
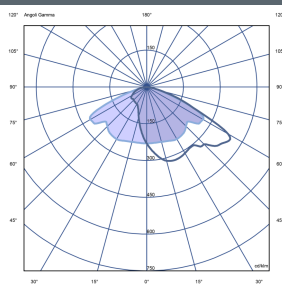
POWER AND OPTICAL FLUX | 40
(T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
NOMA_ _012_ _	61,6	7.885	128	61,6	7.412	120
NOMA_ _022_ _	94,0	12.032	128	94,0	11.310	120
NOMA_ _032_ _	137,0	17.536	128	137,0	16.484	120

** Flux tolerance +/- 5%.
 Other powers and flows on request.
 External connections on request.

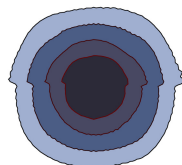
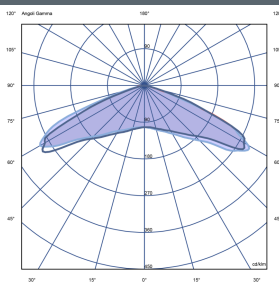
OPTICS

Forward Wide E-L01



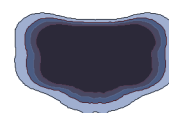
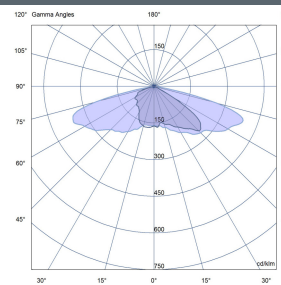
Asymmetrical optics - Very wide beam
L / H = 1,5-2,0

Roto-Wide U-V04



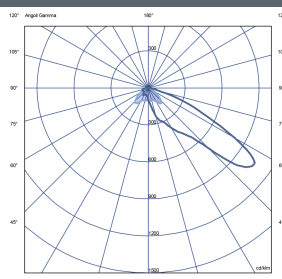
Rotosymmetrical road optics - Wide beam

Front-Back V10

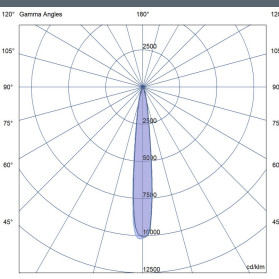


Asymmetrical Street Optics - Front-Back
L / H = 1,2 ÷ 1,5

Asymmetric H-L12

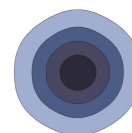
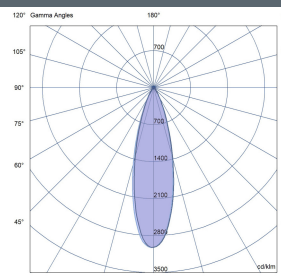


Rotosymmetic 13°



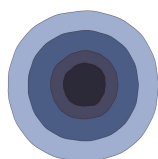
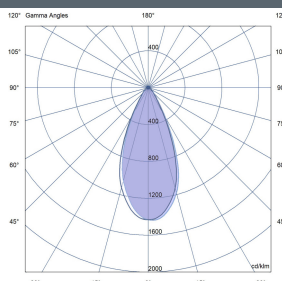
13° Rotosymmetrical Optics

Rotosymmetic 25°



25° Rotosymmetrical Optics

Rotosymmetic 40°



40° Rotosymmetrical Optics

** Flux tolerance +/- 5%.

Other powers and flows on request.
External connections on request.

CODING

	Optics	LED Color Temperature	Power *	Insulation Class (Input Range)	Dimming	Various
NOMA	R	8	XX	2	N	A
	E Forward Wide E-L01	2 Warm White 3,000K	01 61.6	2 Class II (220-240V)	N No Dimming	L Standard
	U Roto-Wide U-V04	8 Neutral White 4,000K	02 94	Versions available on request 1 Class I (120-270V)	M Virtual Midnight**	
	F Front-Back V10	Versions available on request	03 137		L Zhaga 18 + Virtual Midnight**	
	H Asymmetric H-L12				Y Zhaga 18 + Virtual Midnight** + CLO	
	13 Rotosymmetric 13°				Z Virtual Midnight** + CLO	
	25 Rotosymmetric 25°	9 Extra Warm White 2,200K				
	40 Rotosymmetric 40°					

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.