

Navona

DATA SHEET



Product information

Navona is a LED solution to replace traditional fixtures in parks, pedestrian areas, city centers. Timeless design incorporates the aesthetic necessities with the optimal optical distribution, providing several lumen packages with symmetrical and asymmetrical distribution and a power range from 16W to 72W to meet a wide range of lighting scenarios.

Navona offers a major increase in both vertical and horizontal uniformity. Combined with the high chromatic reproduction contributed by LED technology (white light), this uniform quality facilitates face recognition and visual comfort. Its advanced optical design enables the light to be directed specifically where it is needed.

Application areas

- Parks
- Pedestrian areas
- City centres (road classifications: from S2 to S6)

Driver features

Electronic, programmable & dimmable (DALI and 0-10V**).

Controllable driver with power reduction and astronomical clock availability.

Controls system inputs: DALI, StepDIM, astronomical clock and time dimming

**In case of 0-10V control please do not dimming below 40%.

Structures and materials

Housing material: in three pieces (upper-housing, lower-housing and arm with coupler), all made from die-cast aluminium with a polyester powder paint finish and oven cured.

Optical cover: Flat tempered glass (IK 08)

Colour: RAL9007

All materials used in this product are WEEE and ROHS compatible.

Performance

Rated luminous flux range : from 1160 to 7430

Rated luminaire efficacy :

- Up to 104,8lm/W at 3000K (warm light)
- Up to 109,3lm/W at 4000K (neutral light)

Rated median useful life and the associated rated LM factor L90 (6K)*: >96.000 hours

Rated abrupt failure value: 13,2 %

Lumen maintenance code*: 9

Rated ambient temperature (tq) related to performance for a luminaire: 25°C

*Definitions and tolerances according to IEC62722-2-1:2014

Installation and maintenance

Mounting options: 1- and 2-arm through 42-48, 60, 76 mm standard post top mounting. Side mounting through 60 mm diameter pole.

Weight: 10.5-11.2 kg

Recommended mounting height: 4-6 m

Only one hand-tool required for maintaining the fixture.

Ambient temperature from -30°C to +50°C

Storage temperature up to 85°C.



Optics

Available photometric distributions: Wide, narrow and forward distributions with symmetrical and asymmetrical reflectors.

Rated colour rendering index: 80 at 3000K, 70 at 4000K typical.

Rated correlated colour temperatures: 3000K, 4000K
S/P rating: 1.24 at 3000K and 1,47 at 4000K

Electrical

Input voltage and frequency: 230-240V, 50/60 Hz

Class I: standard

Class II: on request

Surge protection: 4kV

Input power (rated): 16W to 72W

ULOR: 0 (without arm)

Power factor: $\geq 0,9$ at 230V 50Hz

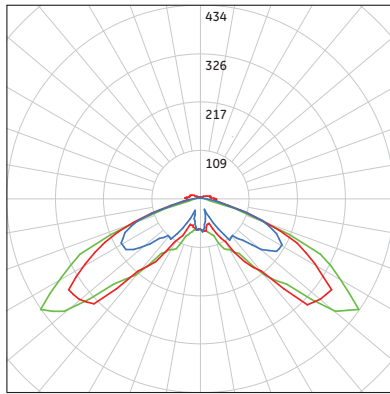
Standards and regulations

CE, ENEC, Directive 2004/108/EC, 2006/95/EC, 2009/125/EC, 1194/2012/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547.

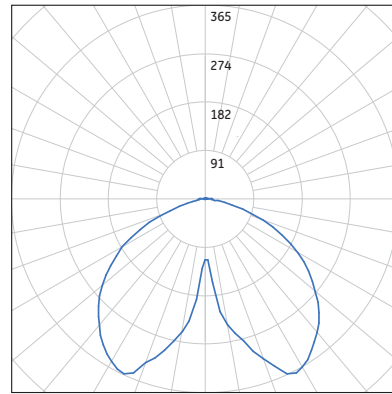
Other options available

Additional surge protection available 6KV/6KA. Precabbling, daylight sensor. Extended ambient temperature -40°C - $+50^{\circ}\text{C}$ is available. Other RAL colours available on request.

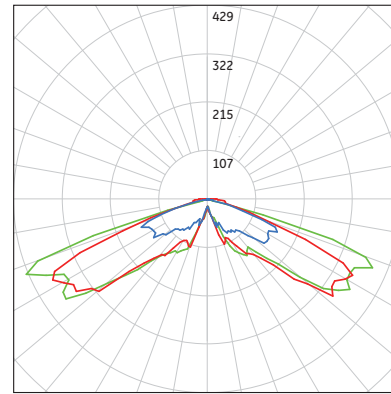
Typical photometrical features



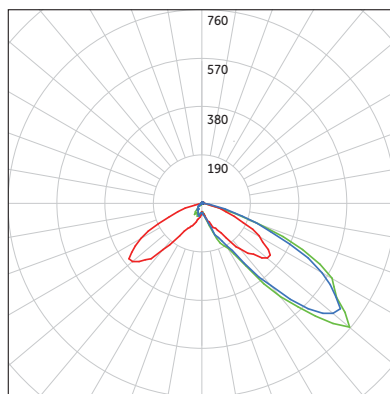
Symmetric wide reflector with 2-arm



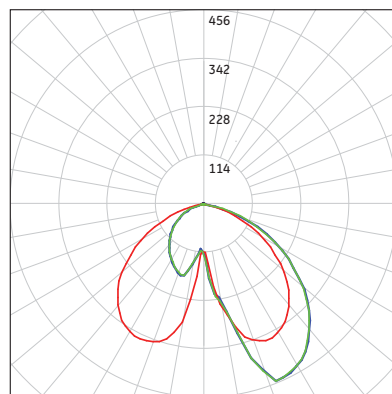
Symmetric wide reflector with diffuser and 2-arm
*Please note, plot curves are overlapping.



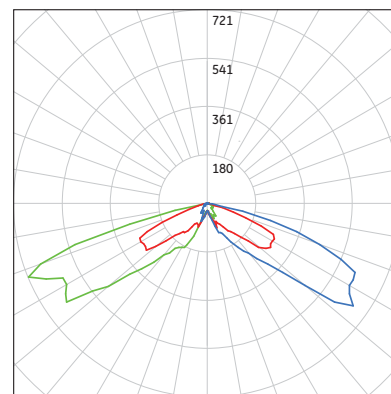
Symmetric forward reflector with 2-arm



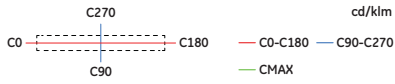
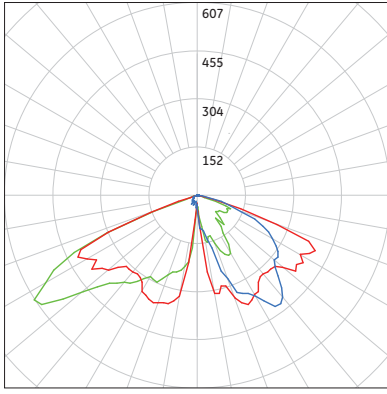
Asymmetric wide reflector with 1-arm



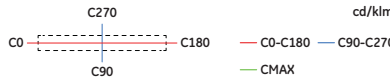
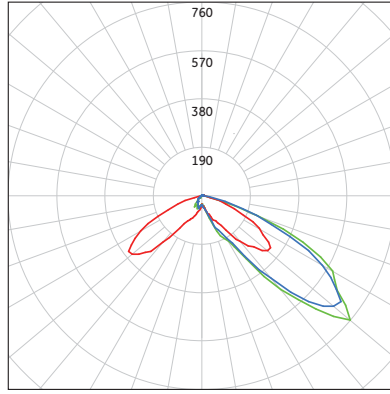
Asymmetric wide reflector with diffuser and 1-arm



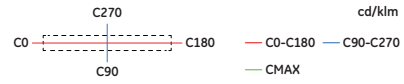
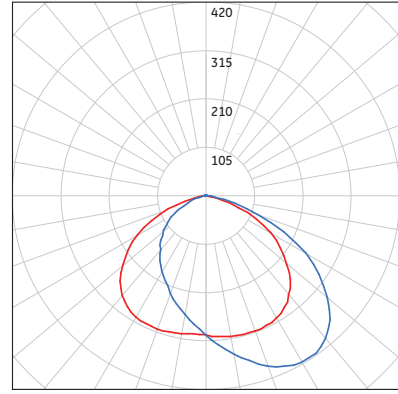
Asymmetric forward reflector with 1-arm



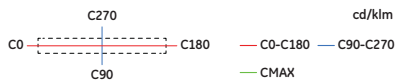
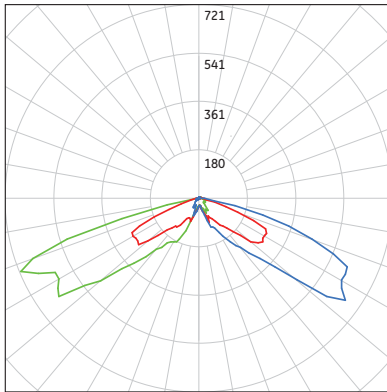
Asymmetric narrow reflector with 1-arm



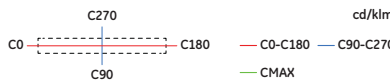
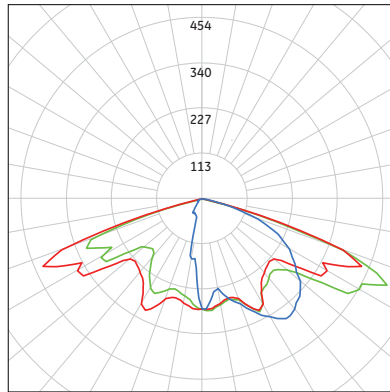
Asymmetric wide reflector with side mount



Asymmetric wide reflector with diffuser and side mount

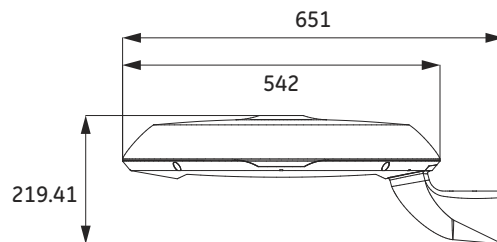
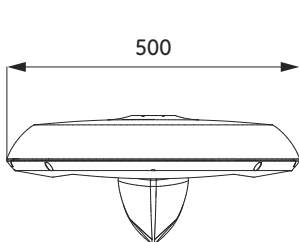
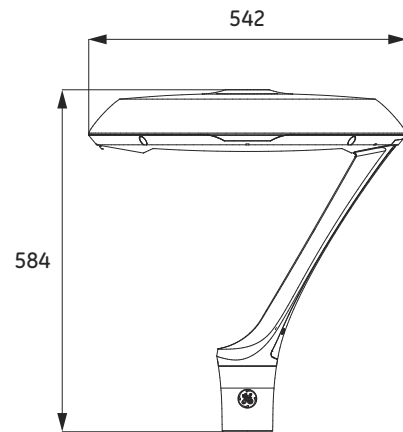
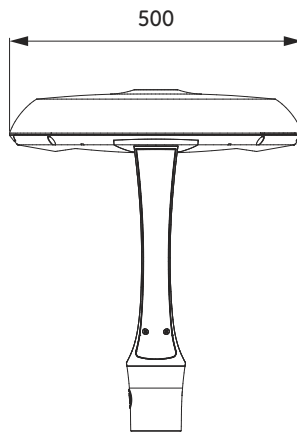
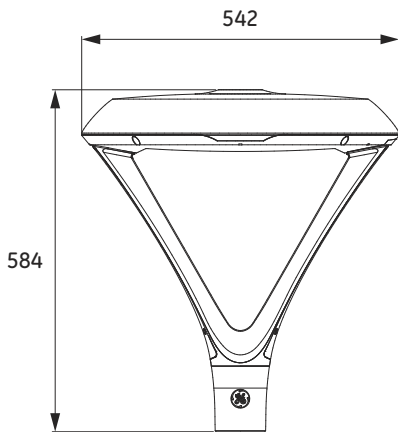


Asymmetric forward reflector with side mount



Asymmetric narrow reflector with side mount

Dimensions [mm]



Order logic

Navona	Gen.	Optics ¹	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Precabling ⁵	Arm type	Coupler size	Color
NA	2 Gen 1.	SWC Symmetric Wide Clear	16 ²	30 3000K 4000K	A 0-10V Analog D Dali S Step Dimming ³ R Astronomical clock ³ Y ClockDimming	ST Standard type M3 Minicell 35Lux ⁴ SP 6kV surge voltage protection	C1 C2	N No Cabeling P2 Pre cabling 2m P10 Pre cabling 10m Pxx Pre cabling	1 '1-arm 2 '2-arm S Side ⁶	48 42 to 48 mm coupler 60 60 mm coupler 76 76mm coupler	XX ⁷ R...
		21 ²									
		25 ²									
		31									
		32									
		38									
		39									
		46									
		47									
		48									
		54									
		56									
		61									
		62									
71											
72											

Example: NA/2/SWC/32/30/D/ST/C2/2/60/N/R9007

¹ Asymmetric optics with 2 arm and symmetric optics with 1-arm and side mount not available

² 16, 21 and 25W aviable with DALI and 0-10 control, asymmetric optics, IEC Class I protection and 25W with symmetric optics and 0-10V control, IEC Class I protection only

³ Step dimming and astronomical clock is available on 39W and above

⁴ Minicell available only in IEC Class 1 version with SVP

⁵ In case of precabling standard lenght are 2 and 10 m cable from connector, in case of other lenght it have to sign

⁶ Available with 60mm coupler only

⁷ Standard color is RAL9007, in case of other color have to sign the exactly RAL code number Rxxxx

Dimming down to xxW (Pf>0,9)