



Technical information

MINI NICOLE, NICOLE & MAXI NICOLE

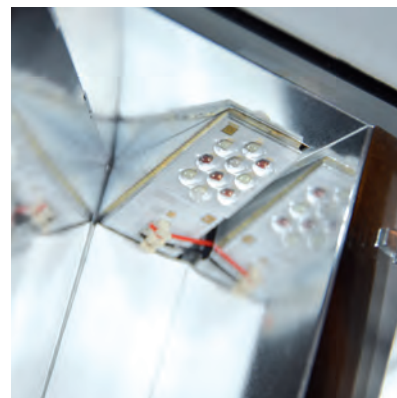


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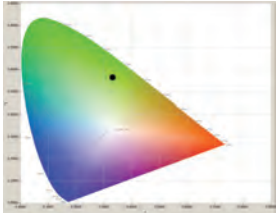
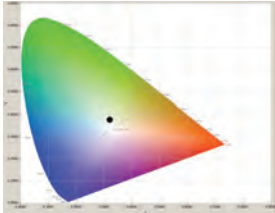
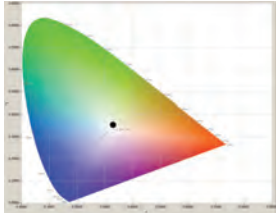
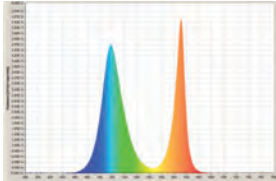
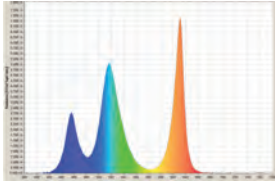
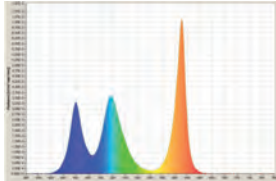
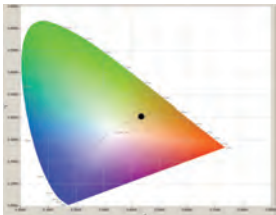
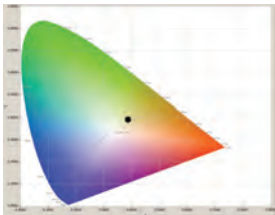
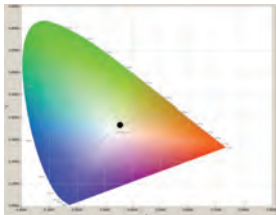
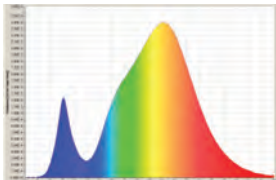
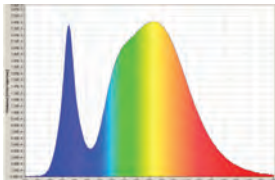
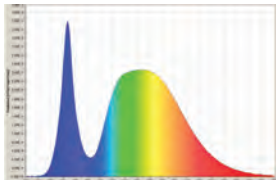
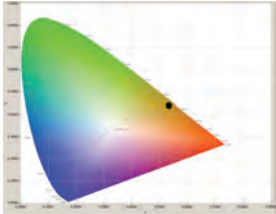
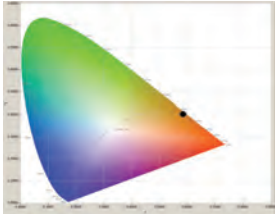
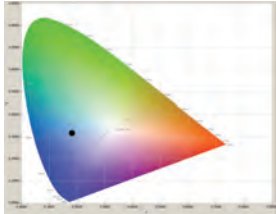
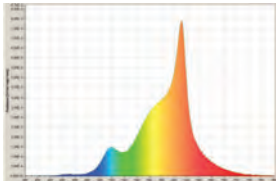
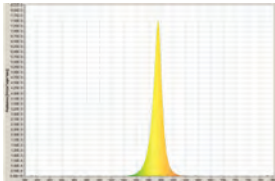
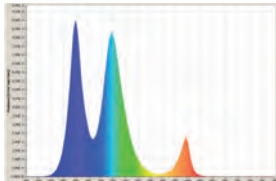
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Spectral information

Nicole Family

Mesopic	Golden Green	Moonlight	White Moonlight
Colour point			
Spectrum			
S/P-ratio	2,4	3,2	3,2
RA	>60	>70	>70
Photopic	730 (3000K)	740 (4000K)	750 (5000K)
Colour point			
Spectrum			
S/P-ratio	1,3	1,5	1,7
RA	>70	>70	>70
Specials	Golden Orange	Bat Lamp	Bird Lamp
Colour point			
Spectrum			
S/P-ratio	0,8	0,2	3,9
RA	>80	>N.A.	>30

Technical information

Mini Nicole



Product specifications

Fitting material	Aluminum, LM6 quality
Finishing	2 layer epoxy based powder coating
Fitting colour	RAL 7035, other RAL colours available upon request
Optics materials	Glass: Toughened high transmission glass Reflector: Aluminum miro 7
Protection degree	IP67 (dust-free and spray-proof)
Impact resistance fixture	IK10
Impact resistance glass	IK07
Post diameter	48-60 mm/60-76 mm
Elevation angle	In increments of 5 degrees
Maximum wind load area	Ac = 0.0662 m ²
Driver	Mean Well® / Ziut programmable ZLED driver
Dimmable	Yes, 0-10 V (from 16 W)
Recommended dimmers	Multicontroller, Dynadimmer, Liandimmer, SDU, OLC, PLM, MidNight
Surge protection device (SPD)	Yes, > 10 KV
Cos(phi)	> 0,95
THD	< 15%
Insulation class	Class I or II
Connector	Comes with a mounted cable 7 m.
Source	100-240 VAC 50/60Hz
Ambient temperature	-40 °C to +50 °C
Number of light compartments	2
Expected lifetime	> 20 years or 100,000 hours
Lumen preservation	Constant Lumen Output, > 80% after 100,000 hours
Break-down ratio	< 10% after 100,000 hours

Certifications

Quality Certifications	CE compliance, tested by DEKRA the Netherlands ENEC & KEMA-Keur by DEKRA the Netherlands
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Mesopic LED Light

The luminaire have been developed in accordance with:

- IEC 60598-1: Luminaires - Part 1: General requirements and tests
- IEC 60598-2-3: Requirements - Luminaires for road and street lighting
- IEC 62031: LED modules for general lighting - Safety specifications
- IEC 62471: Photobiological safety of lamps and lamp systems
- IEC 55015: Radio disturbance characteristics of electrical lighting
- IEC 61547: EMC immunity requirements
- IEC 61000-3-2: Limits for Harmonics
- IEC 61000-3-3: Limits for Voltage Fluctuations and Flicker

RoHS: The products meet the RoHS standard, based on the European RoHS Directive 2011/65/EU

Technical information

Mini Nicole



Mesopic

Wattage and luminous flux

model	driving current	Golden Green			Moonlight			White Moonlight		
		system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	175 mA	9,8 W	684 lm	70	10,2 W	720 lm	71	8,5 W	635 lm	75
16 W	350 mA	18,6 W	1.070 lm	58	20,9 W	1.160 lm	56	18,4 W	1.010 lm	55
24 W	250 mA	28,4 W	1.660 lm	59	29,1 W	1.790 lm	62	24,2 W	1.550 lm	64

* thermally stabilized fixture

Photopic

Wattage and luminous flux

model	driving current	730 (3000 K)			740 (4000 K)			750 (5000 K)		
		system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	175 mA	10,8 W	1.130 lm	105	10,8 W	1.285 lm	119	10,8 W	1.380 lm	128
16 W	350 mA	21,6 W	2.015 lm	93	21,6 W	2.305 lm	107	21,6 W	2.465 lm	114
24 W	250 mA	29,4 W	2.850 lm	97	29,4 W	3.250 lm	111	29,4 W	3.486 lm	119

* thermally stabilized fixture

Specials

Wattage and luminous flux

model	driving current	Golden Orange			Bat Lamp			Bird Lamp		
		system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	175 mA	11,0 W	689 lm	63	9,0 W	495 lm	55	9,5 W	650 lm	68
16 W	350 mA	21,0 W	1.160 lm	55	16,6 W	950 lm	57	18,5 W	1.190 lm	64
24 W	250 mA	29,5 W	1.786 lm	61	24,6 W	1.035 lm	42	26,0 W	1.780 lm	68

* thermally stabilized fixture

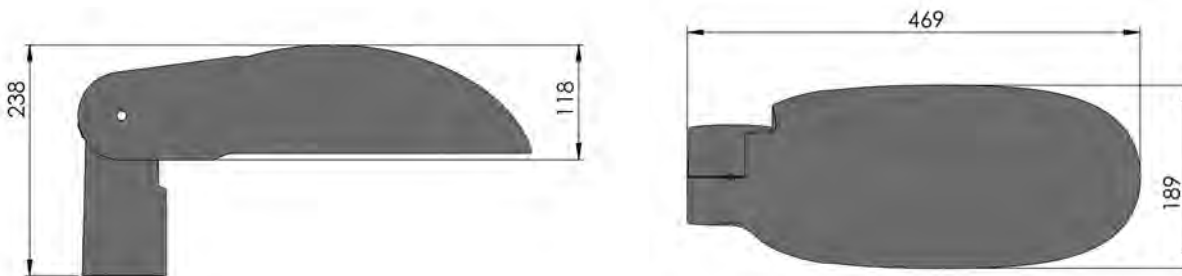
Technical information

Mini Nicole

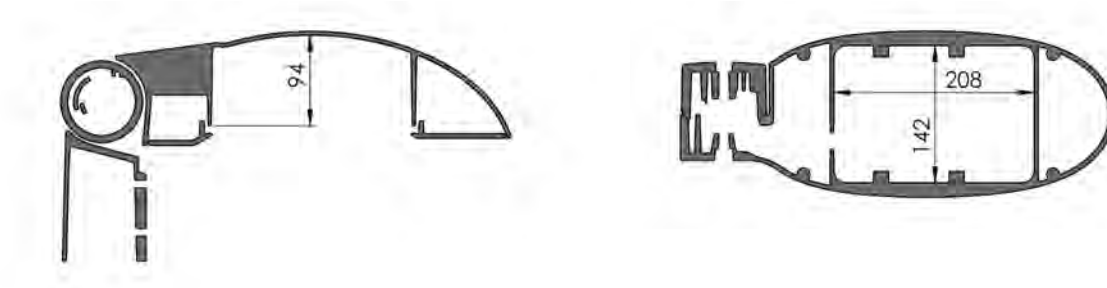
Weight and dimensions

Weight: 5,0 kg

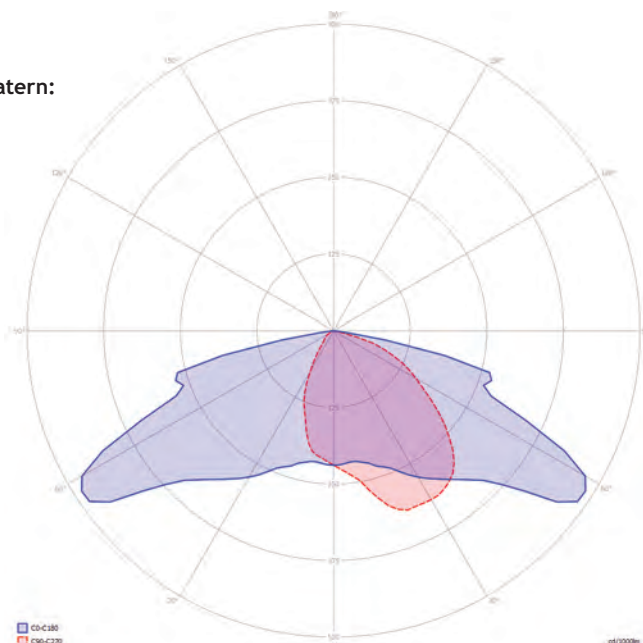
External dimensions (mm):



Driver compartment
Dimensions (mm):

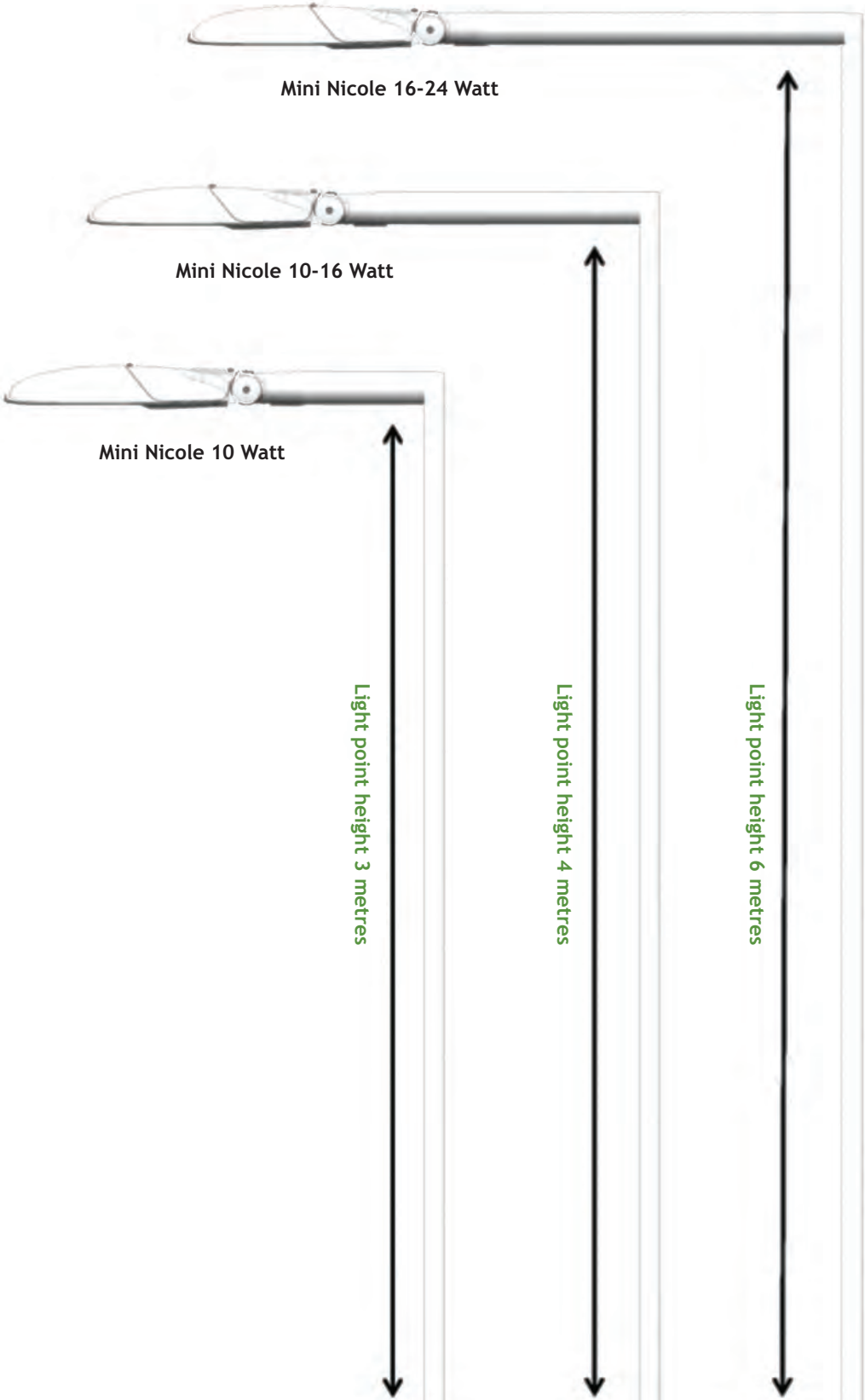


Illuminations pattern:



Pole heights

Mini Nicole



Technical information

Nicole



Product specifications

Fitting material	Aluminum, LM6 quality
Finishing	2 layer epoxy based powder coating
Fitting colour	RAL 7035, other RAL colours available upon request
Optics materials	Glass: Toughened high transmission glass Reflector: Aluminum miro 7
Protection degree	IP67 (dust-free and spray-proof)
Impact resistance fixture	IK10
Impact resistance glass	IK07
Post diameter	48-60 mm/60-76 mm
Elevation angle	In increments of 5 degrees
Maximum wind load area	Ac = 0.11628 m ²
Driver	Mean Well®
Dimmable	Yes, 0-10 V (from 16 W)
Recommended dimmers	Multicontroller, Dynadimmer, Liandimmer, SDU, OLC, PLM, MidNight
Surge protection device (SPD)	Yes, > 10 KV
Cos(phi)	> 0,95
THD	< 15%
Insulation class	Class I and II
Connector	Push-in connector for a 3- or 5-conductor cable
Source	100-240 VAC 50/60Hz
Ambient temperature	-40 °C to +50 °C
Number of light compartments	4
Expected lifetime	> 20 years or 100,000 hours
Lumen preservation	Constant Lumen Output, > 80% after 100,000 hours
Break-down ratio	< 10% after 100,000 hours

Certifications

Quality Certifications	CE compliance, tested by DEKRA the Netherlands ENEC & KEMA-Keur by DEKRA the Netherlands
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Mesopic LED Light

The luminaire have been developed in accordance with:
IEC 60598-1: Luminaires - Part 1: General requirements and tests
IEC 60598-2-3: Requirements - Luminaires for road and street lighting
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IEC 62471: Photobiological safety of lamps and lamp systems
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IEC 61000-3-2: Limits for Harmonics
IEC 61000-3-3: Limits for Voltage Fluctuations and Flicker

RoHS: The products meet the RoHS standard, based on the European RoHS Directive 2011/65/EU

Technical information

Nicole



Mesopic

Wattage and luminous flux

model	driving current	Golden Green			Moonlight			White Moonlight		
		system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	87,5 mA	8,7 W	860 lm	99	10,0 W	890 lm	89	8,5 W	730 lm	86
16 W	175 mA	18,6 W	1.535 lm	83	20,0 W	1.580 lm	79	17,0 W	1.350 lm	80
24 W	250 mA	28,4 W	2.005 lm	71	28,1 W	2.005 lm	71	25,6 W	1.705 lm	67
36 W	335 mA	36,4 W	2.280 lm	63	39,8 W	2.440 lm	61	34,8 W	2.060 lm	59
56 W	500 mA	55,3 W	3.230 lm	59	59,4 W	3.200 lm	54	58,8 W	3.080 lm	52
75 W	625 mA	73,4 W	4.020 lm	55	74,8 W	3.820 lm	51	74,0 W	3.850 lm	52

* thermally stabilized fixture

Photopic

Wattage and luminous flux

model	driving current	730 (3000 K)			740 (4000 K)			750 (5000 K)		
		system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	87,5 mA	10,3 W	1.080 lm	105	10,3 W	1.230 lm	119	10,3 W	1.330 lm	129
16 W	175 mA	21,2 W	2.280 lm	108	21,2 W	2.550 lm	120	21,2 W	2.795 lm	132
24 W	250 mA	29,8 W	3.065 lm	103	29,8 W	3.430 lm	115	29,8 W	3.760 lm	126
36 W	335 mA	40,0 W	3.900 lm	98	40,0 W	4.380 lm	110	40,0 W	4.800 lm	120
56 W	500 mA	61,2 W	5.340 lm	87	61,2 W	6.100 lm	100	61,2 W	6.595 lm	108
75 W	625 mA	79,5 W	6.400 lm	81	79,5 W	7.420 lm	93	79,5 W	7.850 lm	99

* thermally stabilized fixture

Specials

Wattage and luminous flux

model	driving current	Golden Orange			Bat Lamp			Bird Lamp		
		system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	87,5 mA	10,0 W	755 lm	76	10,0 W	795 lm	80	8,5 W	765 lm	90
16 W	175 mA	20,0 W	1.550 lm	78	15,5 W	1.070 lm	69	17,0 W	1.694 lm	100
24 W	250 mA	28,5 W	2.106 lm	74	24,6 W	1.365 lm	56	26,0 W	2.126 lm	82
36 W	335 mA	38,5 W	2.658 lm	69	34,4 W	1.820 lm	53	34,0 W	2.770 lm	81
56 W	500 mA	58,0 W	3.509 lm	61	54,4 W	2.700 lm	50	55,0 W	3.780 lm	69
75 W	625 mA	74,5 W	4.025 lm	54	73,6 W	3.200 lm	44	70,0 W	4.780 lm	68

* thermally stabilized fixture

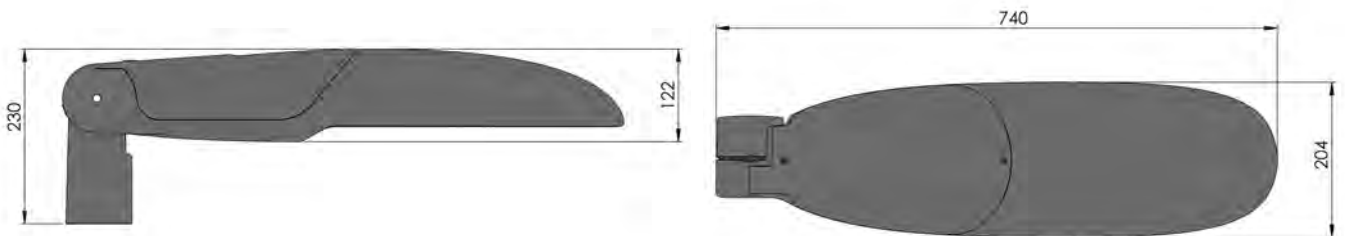
Technical information

Nicole

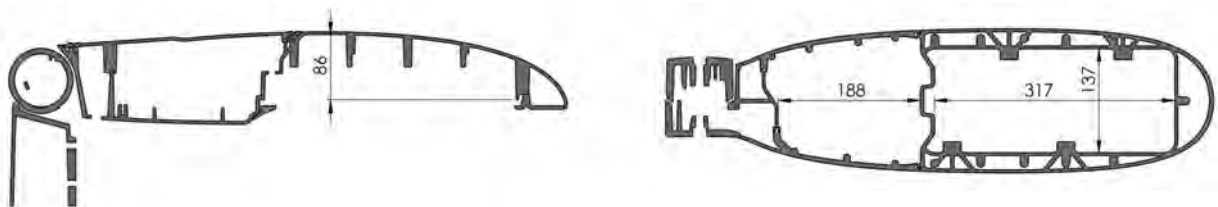
Weight and dimensions

Weight: 7,0 kg

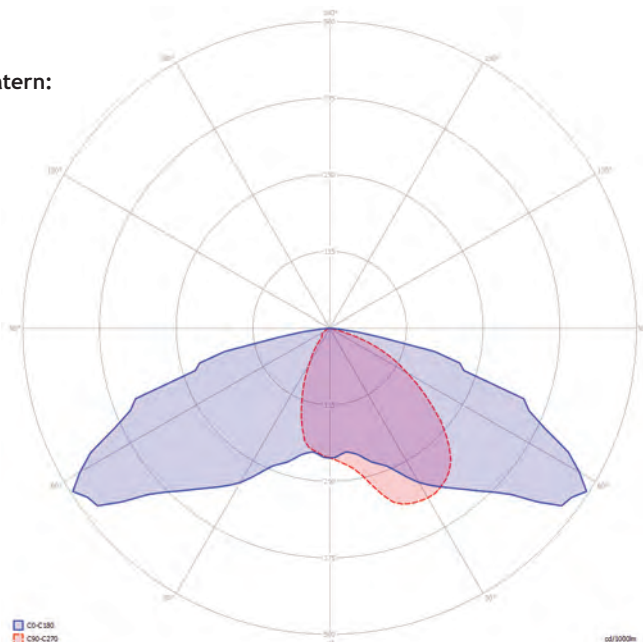
External dimensions (mm):



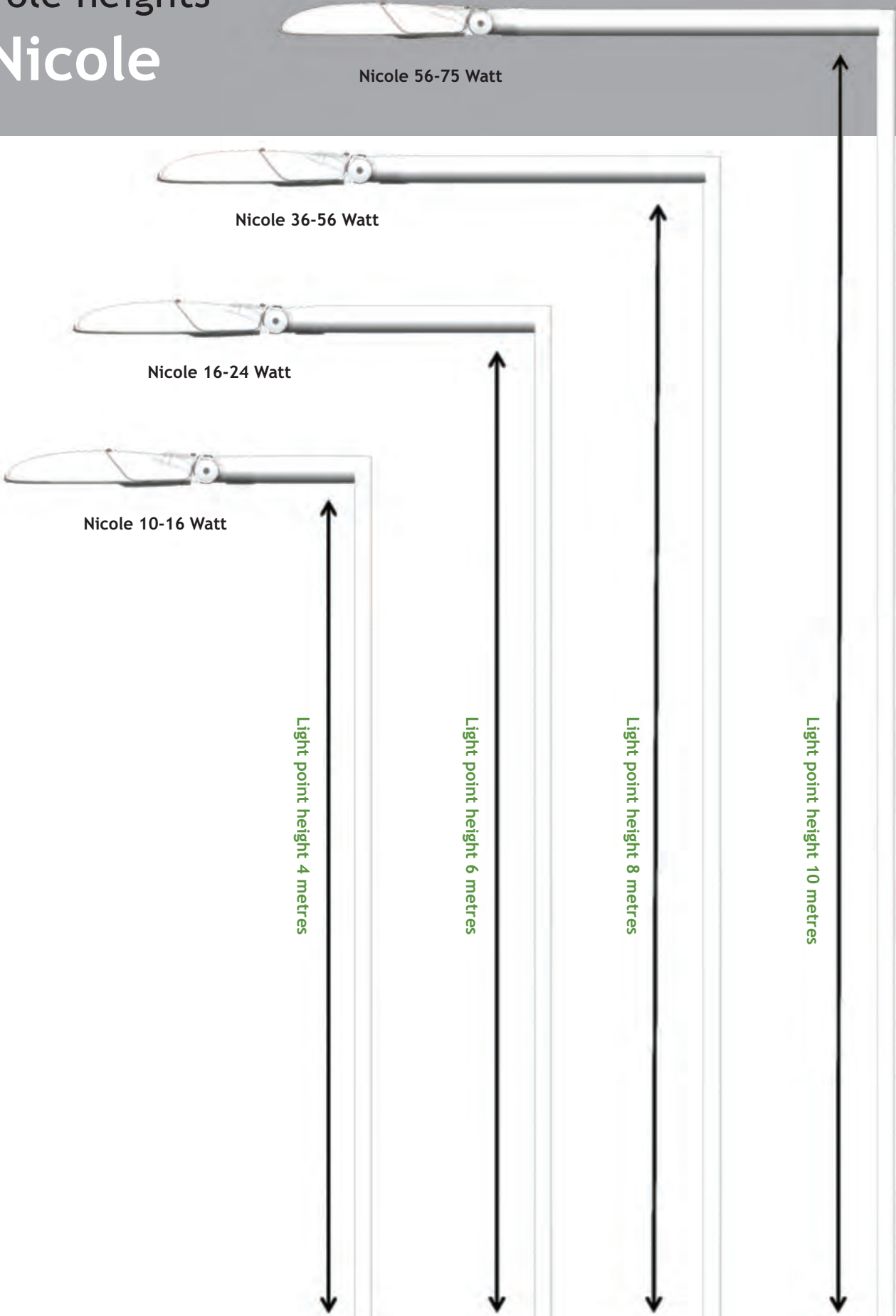
Driver compartment
Dimensions (mm):



Illuminations pattern:



Pole heights Nicole



Technical information

Maxi Nicole



Product specifications

Fitting material	Aluminum, ADC12 quality
Finishing	2 layer epoxy based powder coating
Fitting colour	RAL 7035, other RAL colours available upon request
Optics materials	Glass: Toughened high transmission glass Reflector: Aluminum miro 7
Protection degree	IP67 (dust-free and spray-proof)
Impact resistance fixture	IK10
Impact resistance glass	IK07
Post diameter	48-60 mm/60-76 mm
Elevation angle	In increments of 5 degrees
Maximum wind load area	Ac = 0.0914 m ²
Driver	Mean Well®
Dimmable	Yes, 0-10 V
Recommended dimmers	Multicontroller, Dynadimmer, Liandimmer, SDU, OLC, PLM, MidNight
Surge protection device (SPD)	Yes, > 10 KV
Cos(phi)	> 0,95
THD	< 15%
Insulation class	Class I
Connector	Push-in connector for a 3- or 5-conductor cable
Source	100-240 VAC 50/60Hz
Ambient temperature	-40 °C to +50 °C
Number of light compartments	4
Expected lifetime	> 20 years or 100,000 hours
Lumen preservation	Constant Lumen Output, > 80% after 100,000 hours
Break-down ratio	< 10% after 100,000 hours

Certifications

Quality Certifications	CE compliance, tested by DEKRA the Netherlands ENEC & KEMA-Keur by DEKRA the Netherlands
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- IEC 61000-3-3: Limits for Voltage Fluctuations and Flicker

RoHS: The products meet the RoHS standard, based on the European RoHS Directive 2011/65/EU

Technical information

Maxi Nicole



Photopic

Wattage and luminous flux

model	driving current	730 (3000 K)			740 (4000 K)			750 (5000 K)		
		system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
90W	400 mA	108 W	9.392 lm	87	108 W	11.270 lm	104	108 W	11.960 lm	111
120W	500 mA	136 W	10.916 lm	80	136 W	13.110 lm	96	136 W	13.915 lm	102
150W	625 mA	162 W	11.788 lm	73	162 W	14.145 lm	87	162 W	15.870 lm	98
170W	350 mA	180 W	16.004 lm	89	180 W	19.205 lm	107	180 W	20.355 lm	113

* thermally stabilized fixture

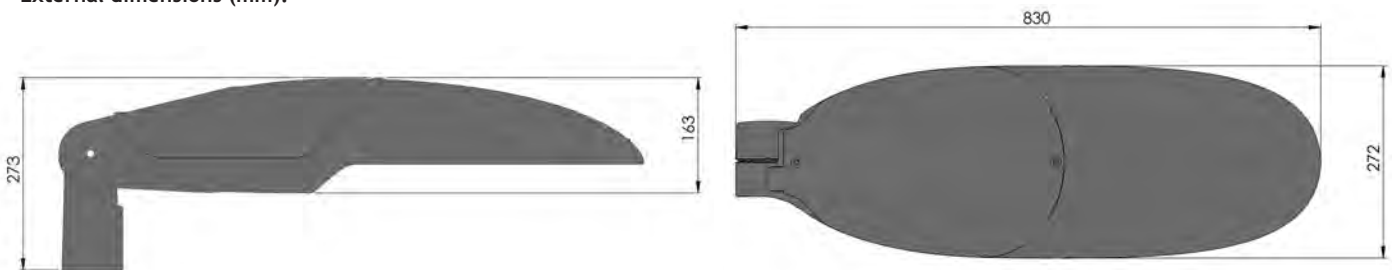
Technical information

Maxi Nicole

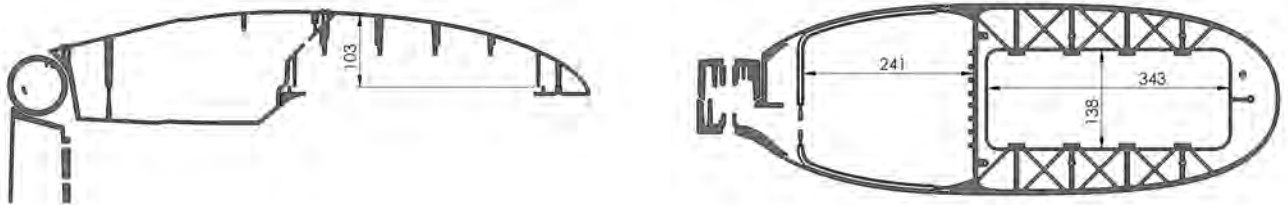
Weight and dimensions

Weight: 11,8 kg (90-150 W versions)
13,5 kg (170 W version)

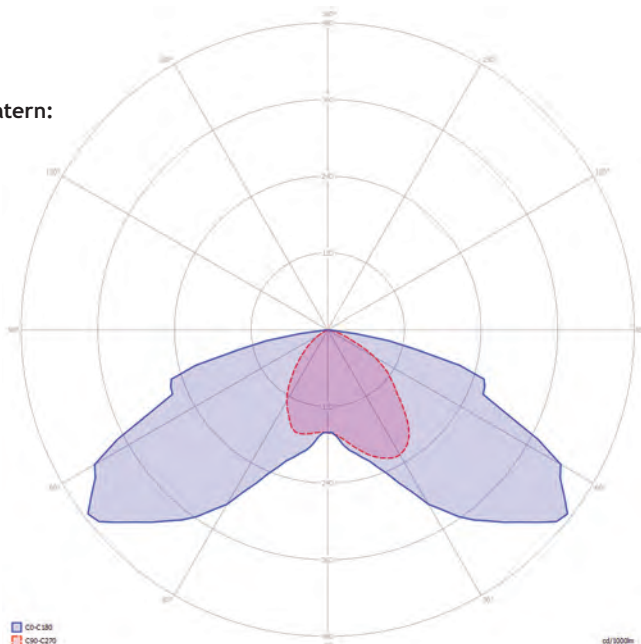
External dimensions (mm):



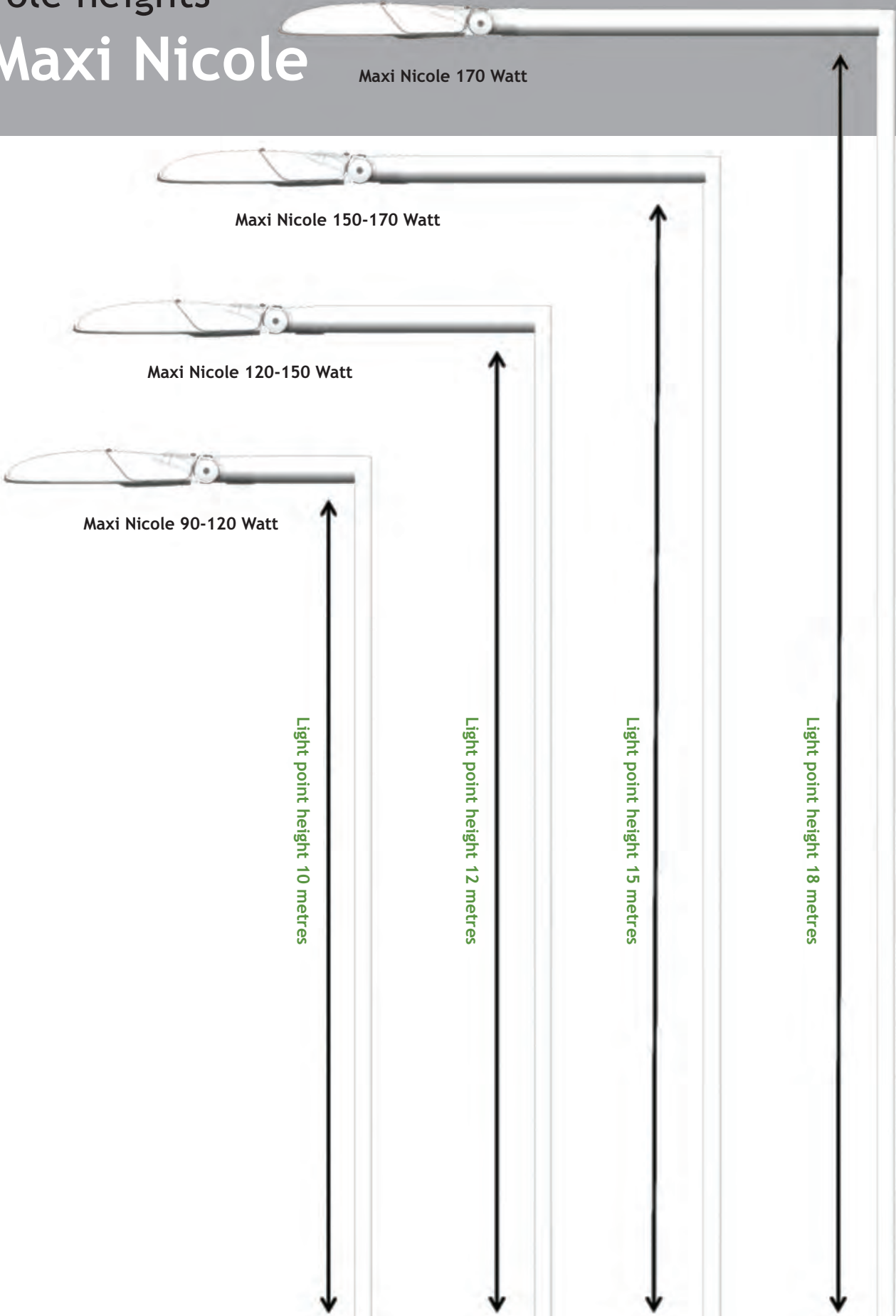
Driver compartment
Dimensions (mm):



Illuminations pattern:



Pole heights Maxi Nicole



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Due to continuous product improvement, specifications and design are subject to change without notice.

www.innolumis.com

Innolumis