



# Ariane

CONICAL LUMINAIRE

The Ariane conical luminaire is the newest LED luminaire of Innolumis. This remarkable LED fixture has been specially designed to replace one on one the existing conical luminaires.

The Ariane conical luminaire design is based on round shapes and fits perfectly in the streets. The fixture is very suitable for residential areas, parcs, cycle paths and footpaths.



Innolumis

# Technical information

## Ariane



### Product specifications

<b>Material pole mounting</b>	Aluminum, LM6 quality
<b>Finishing pole mounting</b>	2 layer epoxy based powder coating
<b>Material top cover</b>	UV-stabilized polycarbonate, dyed
<b>Material light window</b>	UV-stabilized polycarbonate, clear and frosted
<b>Colour pole mounting and top cover</b>	RAL 9005 (black)
<b>Protection degree</b>	IP66
<b>Impact resistance fixture</b>	IK10
<b>Post diameter</b>	48-60 mm
<b>Driver</b>	Mean Well® / Innolumis ZLED Prodriver
<b>Dimmable</b>	Yes, optional
<b>Recommended dimmers</b>	Multicontroller, Dynadimmer, Liandimmer, SDU, OLC, PLM, MidNight
<b>Surge protection device (SPD)</b>	Yes, > 10 kV
<b>Cos(phi)</b>	> 0,95
<b>THD</b>	< 15%
<b>Isolation class</b>	Class I or II
<b>Connector</b>	Comes with a mounted cable of 4.5 meter
<b>Source</b>	100-240 VAC 50/60Hz
<b>Wattages</b>	10W, 16W, 24W and 36W
<b>Ambient temperature</b>	-40 °C to +50 °C
<b>Number of light sources</b>	4
<b>Light profiles</b>	Area, Medium, Narrow, Wide
<b>Light colours</b>	3000K, 4000K, 5000K, Golden Orange, BAT light
<b>RA value (CRI)</b>	>70
<b>Expected lifetime</b>	> 20 years or 100,000 hours
<b>Lumen preservation</b>	CLO (Constant Lumen Output), > 80% after 100,000 hours
<b>Break-down ratio</b>	< 10% after 100,000 hours
<b>Weight</b>	7,9 kg

### Certifications

<b>Quality Certifications</b>	CE compliance, tested by DEKRA the Netherlands ENEC & KEMA-Keur by DEKRA the Netherlands
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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

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### Photopic

Wattage and luminous flux

Clear		730 (3000 K)			740 (4000 K)			750 (5000 K)		
model	driving current	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	87,5 mA	11,0 W	1271 lm	116	11,0 W	1390 lm	126	11,0 W	1390 lm	126
16 W	175 mA	18,0 W	1995 lm	111	18,0 W	2181 lm	121	18,0 W	2181 lm	121
24 W	250 mA	26,0 W	2972 lm	114	26,0 W	3250 lm	125	26,0 W	3250 lm	125
36 W	338 mA	39,0 W	4436 lm	114	39,0 W	4850 lm	124	39,0 W	4850 lm	124

\* thermally stabilized fixture

Frosted		730 (3000 K)			740 (4000 K)			750 (5000 K)		
model	driving current	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	87,5 mA	11,0 W	1234 lm	112	11,0 W	1350 lm	123	11,0 W	1350 lm	123
16 W	175 mA	18,0 W	1916 lm	106	18,0 W	2094 lm	116	18,0 W	2094 lm	116
24 W	250 mA	26,0 W	2908 lm	112	26,0 W	3180 lm	122	26,0 W	3180 lm	122
36 W	338 mA	39,0 W	4343 lm	111	39,0 W	4749 lm	122	39,0 W	4749 lm	122

\* thermally stabilized fixture

### Specials

Wattage and luminous flux

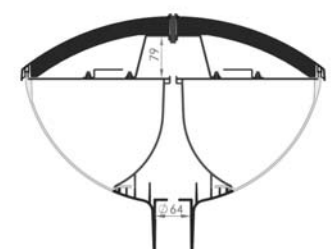
Clear		Golden Orange			Bat Lamp		
model	driving current	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	87,5 mA	9,0 W	650 lm	72	8,0 W	515 lm	64
16 W	175 mA	15,0 W	967 lm	64	14,0 W	851 lm	61
24 W	250 mA	23,0 W	1485 lm	65	22,0 W	1410 lm	64
36 W	338 mA	35,0 W	2284 lm	65	33,0 W	2150 lm	65

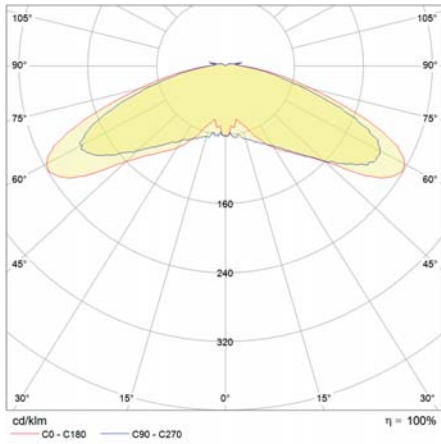
\* thermally stabilized fixture

Frosted		Golden Orange			Bat Lamp		
model	driving current	system capacity	luminous flux*	lm/w*	system capacity	luminous flux*	lm/w*
10 W	87,5 mA	9,0 W	565 lm	63	8,0 W	505 lm	63
16 W	175 mA	15,0 W	935 lm	62	14,0 W	832 lm	59
24 W	250 mA	23,0 W	1435 lm	62	22,0 W	1386 lm	63
36 W	338 mA	35,0 W	2194 lm	63	33,0 W	2075 lm	63

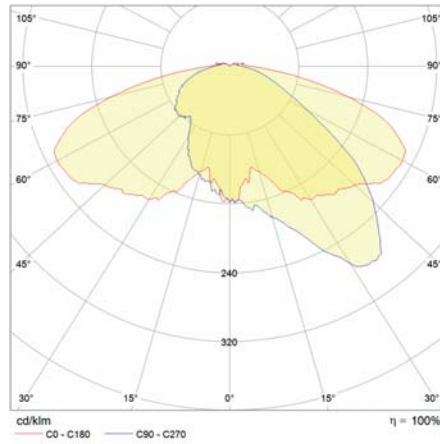
\* thermally stabilized fixture

### Dimensions

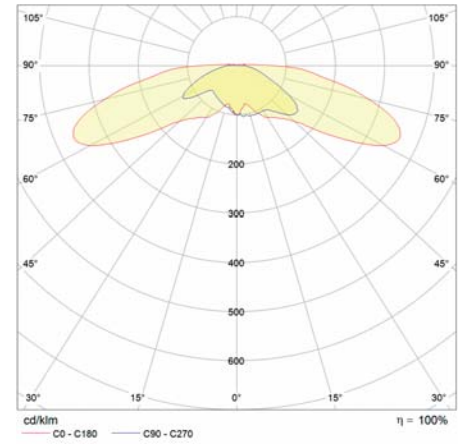




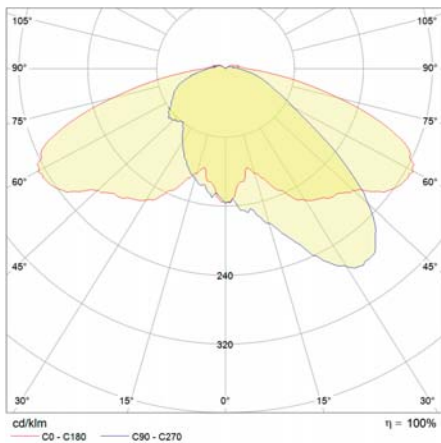
Ariane Clear Area



Ariane Clear Medium

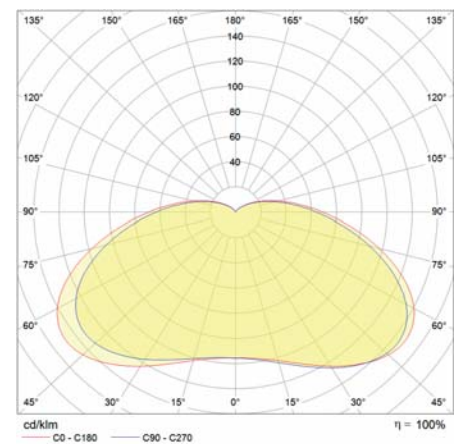


Ariane Clear Narrow



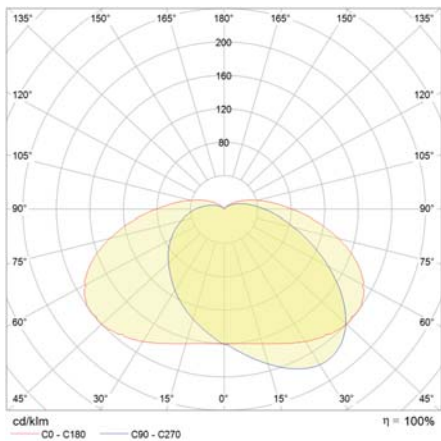
Ariane Clear Wide

Illuminations patterns  
Ariane Clear

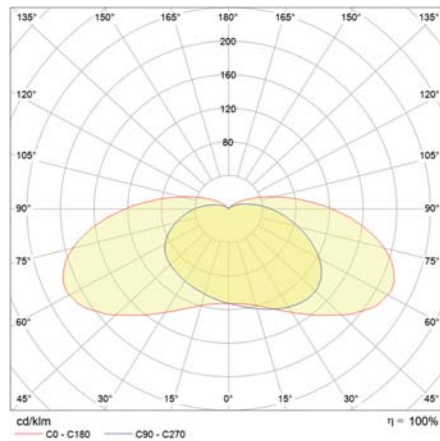


Ariane Frosted Area

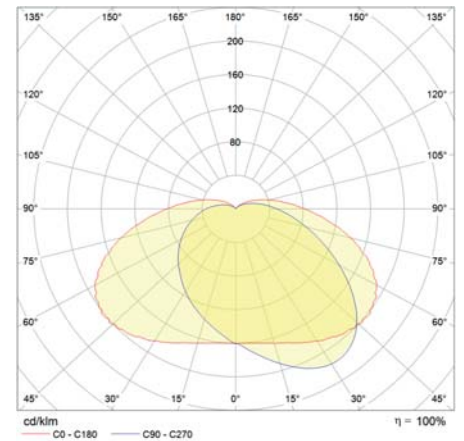
Illuminations patterns  
Ariane Frosted



Ariane Frosted Medium



Ariane Frosted Narrow



Ariane Frosted Wide