

Abacus®

Leaders in Lighting



EROS PLAZA AL20300 SERIES

Luminaire for streets, squares and car parks

IK08

IP66



RoHS

ULOR
0%

In association with



fael LUCE
DOING IT BETTER

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IK08

RoHS

IP66

CE

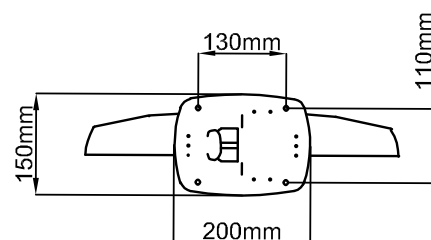
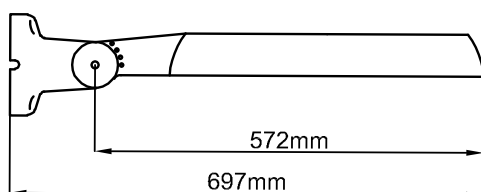
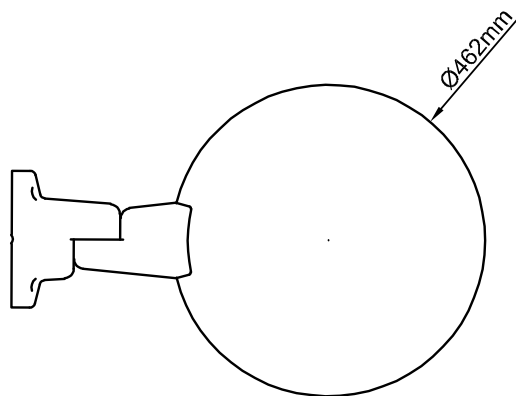
ULOR
0%

Product Overview

The EROS Plaza has a durable die-cast aluminum construction which offers high resistance to environmental elements, while the silver/grey powder coating protects against UV radiation, salt spray, and corrosion. Used for wall application with eight optic options, anti-aging rubber gaskets, tempered safety glass and stainless steel fastenings, ensuring easy maintenance. This luminaire has a programmable driver with a lifespan of over 100,000 hours, integrated thermal protection, and overload safeguards. It supports various dimming options, including DALI and 1-10V, and features an astronomical clock for automatic scheduling and customisable midnight dimming and an adjustable tilt of 5°.

Specifications and Dimensions

Dimensions	697mm x 462mm x 150mm	
Power	7W - 169W	
Power Factor	> 0.9	
Luminous Flux	1280lm - 27670lm (4000K)	
Efficiency	150lm/W - 188lm/W	
Wind Area	Frontal: 0.041m ²	Side: 0.047m ²
Weight Of Lantern	10kg	
Electrical Class	CL I: up to 10kV both common and differential mode.	CL II: up to 10 kV common mode, differential mode 6kV.
CCT	4000K/3000K	
CRI	> 70	
IP & IK Rating	IP66 & IK09	
Operating Temperature Range	-40°C to +40°C	L90B10 >100.000 hrs
	-40°C to +55°C	L90B10 > 90.000 hrs



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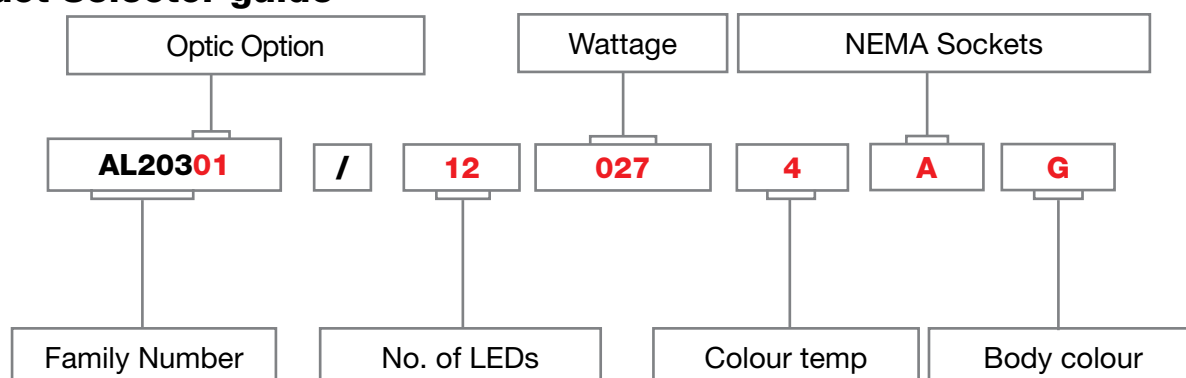
- 5° Adjustable tilt - 1-10V Digital dimming interface - DALI digital dimming interface - NEMA SOCKET: 7 Pins
- ZHAGA Luminaire certified - Automatic dimming through virtual midnight system - Astronomical clock - CLO Functionality - 0% Upward Light Output Ratio -

Product Selector

Family Number	Optic Options	No. of LEDs	Wattage options (W)	Colour Temp (K)	Electric Class	Zhaga Control Sockets	Colour
AL203	01, 02, 03, 04, 05, 06	12	007, 009, 015, 020, 027, 032	4 = 4000 3 = *3000	1 = Class I 2 = *Class II	A = Top B = *Bottom C = *Dual D = *None	G = Grey B = *Other
		24	028, 035, 041, 049, 056, 062				
		36	56, 66, 72, 80, 86, 94				
		48	90, 99, 108, 116, 123, 131, 140, 151				
		60	130, 150, 159, 169				

**Non-standard options may be subject to MOQs or longer lead times.*

Product Selector guide



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SAPCA
MEMBER
Revision 1 20260513

MADE IN
BRITAIN

APPROVED CONTRACTOR

LRQA
CERTIFIED

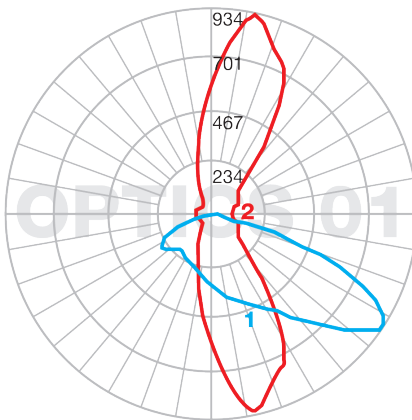
abacuslighting.com
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EROS PLAZA AL20300 SERIES

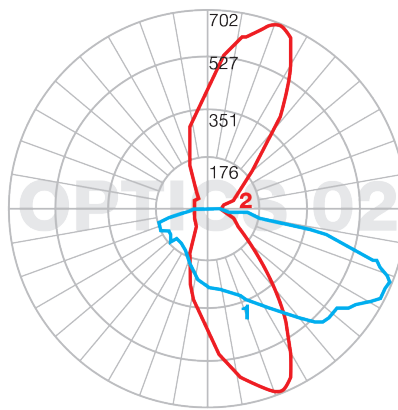
Photometry

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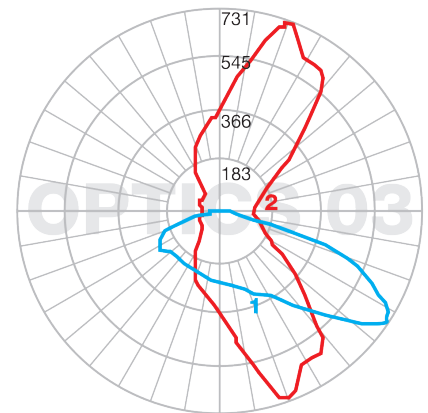
OPTIC 01



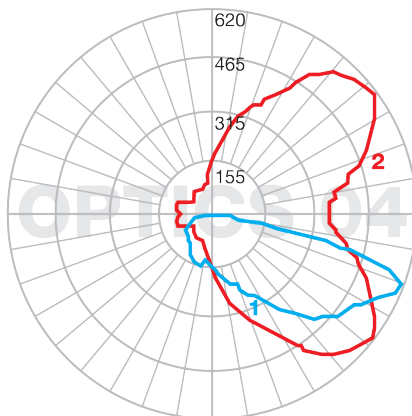
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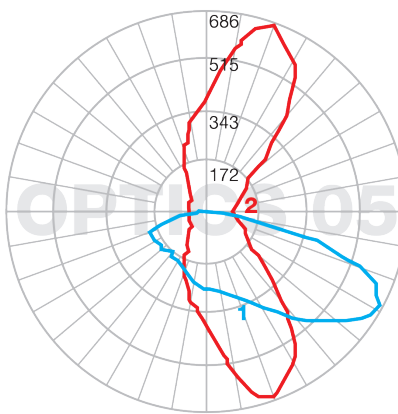
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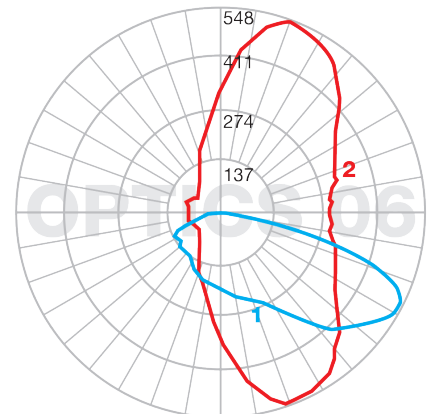
OPTIC 04



OPTIC 05



OPTIC 06



Blue Line - Vertical plane through horizontal angles (Through maximum Candela)

Red Line - Horizontal cone through vertical angle (Through maximum Candela)

Optic **01** (One-Sided) - Street-lighting distribution for mounting-height-to-carriageway-width ratios < 1 .
 Optic **02** (One-sided) - Designed for large interdistances with mounting height $\geq$ carriageway width.
 Optic **03** - Street-lighting distribution for height-to-carriageway-width ratios > 0.85 , featuring back-flow control for installations with outreaches.
 Optic **05** (One-sided) - Optimised for wide pole spacing where carriageway width $\leq$ mounting height.
 Optic **06** (One-sided) - Street-lighting distribution for large areas where mounting height to track width ratio ≥ 1 .

Typical Column Suitability

1. Static Column *3 - 12m
2. Base Hinge **R/L Column *3 - 12m
3. York Hinge **R/L Column *3 - 6m

*The Abacus Lighting columns mentioned above serve as examples for typical installations, but we are not restricted to these options. Abacus Lighting provides a comprehensive range of columns and masts that can accommodate virtually any new or retrofit lighting project.

**Raise and Lower