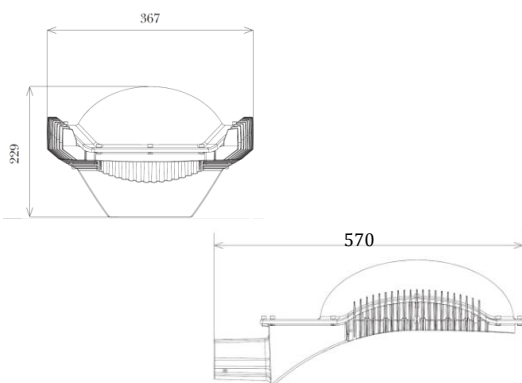


DEFLECTO – Technical data sheet



DIMENSIONS



Units: mm

ELETRICAL SPECIFICATIONS

Voltage	220 ÷ 240 V ac
Frequency	50 – 60 Hz
Electrical safety class	Classe II
Power supply efficiency	90%

MECHANICAL FEATURES

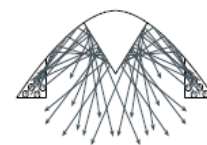
Body	Die-cast aluminium EN 46100
Paint	Resistant to 1000 hours in salt spray
Glass	Extra clear, 4 mm thick
External screws	A2 stainless steel
Total weight	6,5 kg
Ingress protection	IP 66
Impact resistance	IK08 – 5J
Wind exposed surface	0,128

OPTICAL FEATURES

Total reflection patent	1395290
LED	CREEX XT-E (optics A) PHILIPS LUMILEDS LUXEON M (optics B)
Photobiological safety	Exempt group

INTERNATIONAL PATENT

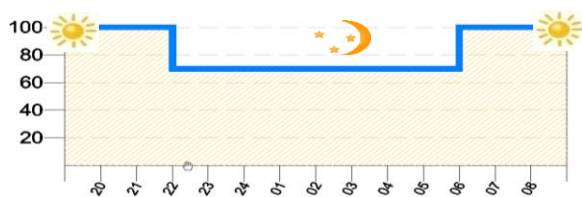
The **international total reflection** involves the usage of reflector that captures and blends the light emission through the initial optical assembly and then uses a second assembly to cast it uniformly. Applied in its standard form above all for street lighting, it delivers visual comfort and uniform lighting, without creating dark spots or glare.



PROPRIETARY SURGE PROTECTOR

Arianna has studied a system able to protect the fixtures against overvoltage by inserting a proprietary device between the power supply and the LED modules. R&D laboratory have shown that the system is protected against overvoltage up to 4kVolt. The excellent operation of the LED and power supply protection implies a guarantee of security and continuity in the use of the system even in the event of over-voltage.

AUTODIMMING DEVICE



DEFLECTO uses power supplies that apply a special algorithm to allow lumen output and power consumption to be reduced during the middle of the night. This reduction is applied in the middle of the operating period.

The technology employed also allows different adjustment profiles to be set so that energy saving can be adapted to suit lighting requirements.

SMART CITY SYSTEM



DEFLECTO has been designed to be integrated in light output management system. Each fitting features a dimmable electronic driver that can interface with a module designed to control the drivers' power supply and, consequently, the intensity of the luminaire's light output. This system also allows the street light to be incorporated into a local communication network, making it part of a smart system for the provision of integrated public utility and security services.



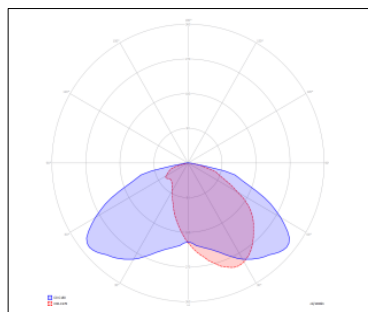
Visit www.ariannaled.com for the complete list of certified products.

Flux and power data are corresponding to typical values referring to ambient temperature (Ta) equal to 25°C or 77° F with a tolerance of ±10%.

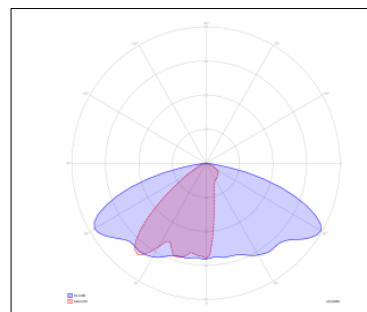
Arianna spa via dell'Industria 14 - 35020 Brugine (PD) t +39 049 7389920 f +39 049 7389924

info@ariannaled.com/www.ariannaled.com P.I. 04387780283 società soggetta ad attività di direzione e coordinamento di Carel S.p.A.

LIGHTING DISTRIBUTION



TYPE A



TYPE B

TYPE A OPTICS

Model	n.LED	Luminaire flux <i>lm@4000K</i>	LED flux <i>lm@4000K</i>	CRI	Power <i>W</i>	Efficacy <i>lm/W</i>
30 watt	16	2181	3210	70	33	66
40 watt	22	2965	4410	70	45	66
50 watt	28	3755	5620	70	56	67
60 watt	32	4261	6420	70	64	67
80 watt	40	5264	8020	70	80	66
120 watt	64	8220	12840	70	125	66


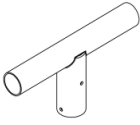
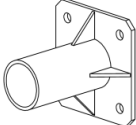
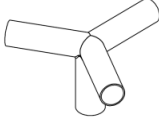
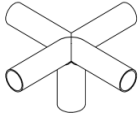

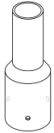
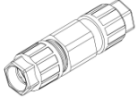
TYPE B OPTICS

Model	n.LED	Luminaire flux <i>lm@4000K</i>	LED flux <i>lm@4000K</i>	CRI	Power <i>W</i>	Efficacy <i>lm/W</i>
30 watt	4	2820	4160	70	30	94
45 watt	6	4240	6240	70	45	94
60 watt	8	5590	8320	70	60	93
75 watt	10	6950	10400	70	75	93
90 watt	12	7980	12480	70	90	89
120 watt	16	10640	16640	70	120	89

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ACCESSORIES

Single post top fixation 90°		Double post top fixation 90°		Wall mount bracket	Triple post top fixation 90°
					
Ø 60 mm	Ø76 mm	Ø 60 mm	Ø76 mm		Ø 60 mm
Quadruple post top fixation 90°		Adjustable rotule fixation	Diameter Adaptor	Electrical network fastener	
					
Ø 60 mm		Ø 60 mm	Ø76/ 60 mm	CAVI H07RN-F 2X1,5MM	