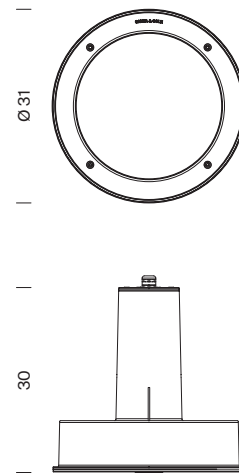


Arne Luminaire

Santa & Cole Urbidermis team, 2013

SANTA & COLE
urbidermis



Sizes in cm



Materials: Powder-coated finish aluminium injection luminaire.
Anodised aluminium extrusion internal heat sink.
Tempered optical glass seal and vulcanised silicone water-resistant seals.
Stainless steel safety screws.
Colours: light grey (RAL 9006).
(other colours available to order)
Size (cm): Ø 31 x 30
Weight (kg): 6.5
Surface exposed to wind (m²): 0.045

Installation: Suitable for pole, catenary, wall and pendant attachment using a range of fastening accessories.
Component delivered in two parts: floodlight and fastening attachments.
(for further information about accessories, log onto the website urbidermis.com)
The Arne product range also incorporates an extensive family of indirect lighting units.
(for further information about indirect Arne lighting, log onto the website urbidermis.com)

Applicable standards: UNE-EN 60529, UNE-EN 60598, UNE-EN 55015, UNE-EN 61000, UNE-EN 50102, UNE-EN 62031
UL 1598, UL 8750, (file E-505463)

Protections: IP66 (protection from dust ingress and high-pressure water jets), suitable for wet locations, IK08 (protection against external mechanical impacts)

Electrical rating: Class I (CE), Non Class II (UL)

Light source: High-efficiency optical unit with 18 or 36 LEDs

Nominal lamp power (W): 18 - 72

System power (W): 22 - 85

Operating current (mA): 350, 500 or 700

Colour temperature (K[°]): 3000 / 4000

Luminous flux and efficacy:

3000K

CRI min80

Luminous flux (lm): 1767 - 7092

Luminous efficacy (lm/W): 80 - 83

4000K

CRI typ70

Luminous flux (lm): 2098 - 9018

Luminous efficacy (lm/W): 95 - 106

Light distributions:

Symmetrical: Wide Flood (WF 76°), Flood (F 43°), Medium (M 30°) o Spot (SP 15°)

Asymmetrical: Type II, Type III o Type IV (according to IESNA classification)

Upper Light Output Ratio (ULOR%): 0.60 – 0.88°

Power supply: constant current driver

Regulation:

1-10V / Dali / Header flux regulation / Programmable automatic regulation.

The LED luminaire may be regulated using a number of differing interfaces. These controls allow specific, individual control of light, reducing energy consumption in a sustainable manner.

Constant light output (CLO)

Assures a constant lumen output from the luminaire throughout its lifetime.

Power factor (cos φ):

N° LEDs	Current (mA)	P (W) CLO 100%	P (W) CLO 80%
18	350	0.87	0.82
	500	0.92	0.88
	700	0.98	0.97
36	350	0.95	0.91
	500	0.97	0.95
	700	0.98	0.97

Operating voltage: 220-240V 50Hz (CE) / 120-277V 60Hz (UL)

Wire:

1 kV 3 x 2,5mm²

1 kV 6 x 1,5mm² (prog.)

Temperature operating range Ta (°C): between -25 and 30 (700mA)

Lifetime: TM21 L70 (10k) > 60.000 h

Thanks to an optimised thermal design, the luminous flux is maintained up to 70% after 60,000 h.

Under exceptional cases when the ambient temperature is excessive, the output may be reduced using the (NTC) active control system that ensures the right operating temperature is maintained.

LED configurations

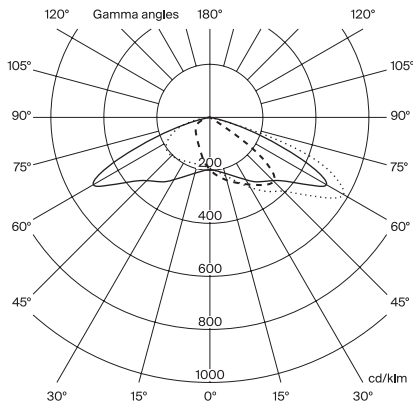
Reference	N°LEDs	T°colour (K)	Lamp power (W)	System power (W)	Current (mA)	IESNA TII Optics		IESNA TIII Optics		IESNA TIV Optics		Wide Flood Optics		Flood Optics		Medium Optics		Spot Optics	
						Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)
ARP18A1XX	18	3000 IRC min 80	18	22	350	2140	96	1991	90	2036	93	2211	100	2385	108	2331	106	2287	104
ARP18B1XX			26	32	500	2980	93	2805	88	2869	90	3115	97	3361	105	3284	103	3223	101
ARP18C1XX			36	42	700	3858	92	3632	86	3714	88	4033	96	4352	104	4252	101	4174	99
ARP18A2XX		4000 IRC typ 70	18	22	350	2495	113	2349	107	2402	109	2608	119	2814	128	2750	125	2699	123
ARP18B2XX			26	32	500	3516	110	3310	103	3384	106	3675	115	3966	124	3875	121	3803	119
ARP18C2XX			36	42	700	4552	108	4286	102	4382	104	4759	113	5135	122	5017	119	4924	117
ARP36A1XX	36	3000 IRC min 80	36	40	350	4004	100	3770	94	3855	96	4186	105	4517	113	4413	110	4331	108
ARP36B1XX			51	59	500	5553	94	5228	89	5346	91	5805	98	6264	106	6120	104	6007	102
ARP36C1XX			72	85	700	7190	85	6769	80	6922	81	7517	88	8111	95	7925	93	7778	92
ARP36A2XX		4000 IRC typ 70	36	40	350	4724	118	4448	111	4548	114	4939	123	5329	133	5207	130	5110	128
ARP36B2XX			51	59	500	6552	111	6168	105	6307	107	6849	116	7391	125	7221	122	7087	120
ARP36C2XX			72	85	700	8483	100	7987	94	8167	96	8869	104	9570	113	9350	110	9177	108

*Opal optics: -15% luminous flux

Asymmetric
Distribution TII
LOR 100%
ULOR 0%±3%

Max. intensity 573.26 cd/klm

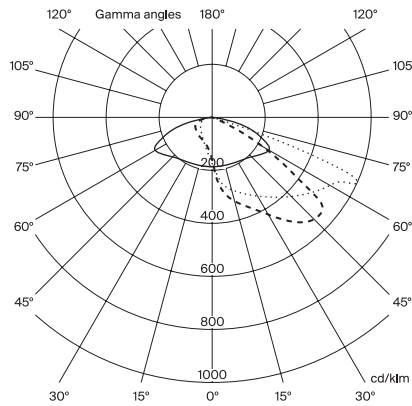
C Halfplanes
0° ——— 180°
90° - - - - 270°
25° ······ 205°



Asymmetric
Distribution TIII
LOR 100%
ULOR 0%±3%

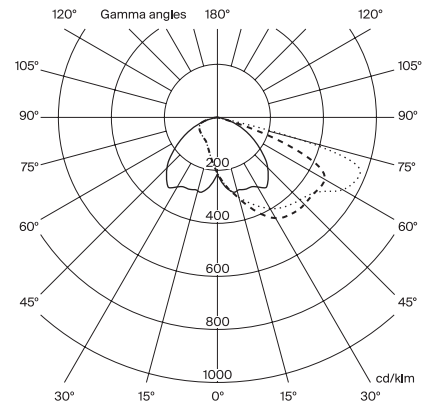
Max. intensity 593.70 cd/klm

C Halfplanes
0° ——— 180°
90° - - - - 270°
40° ······ 220°



Max. intensity 579.34 cd/klm

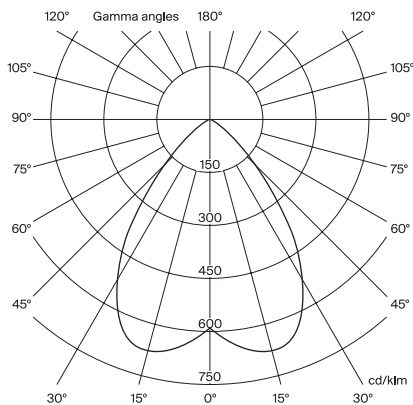
C Halfplanes
0° ——— 180°
90° - - - - 270°
65° ······ 245°



Máx. intensity 671.25 cd/klm

Symmetric
Distribution Wide Flood
LOR 100%
ULOR 0%±3%

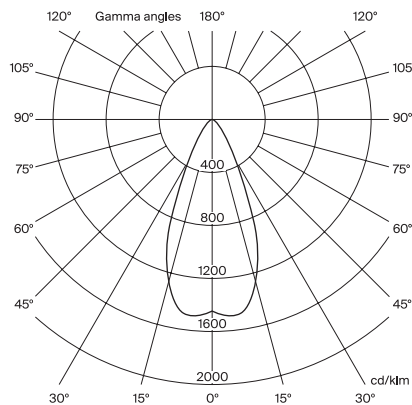
C Halfplanes
0° ——— 180°
90° - - - - 270°



Máx. intensity 1466.62 cd/klm

Symmetric
Distribution Flood
LOR 100%
ULOR 0%±3%

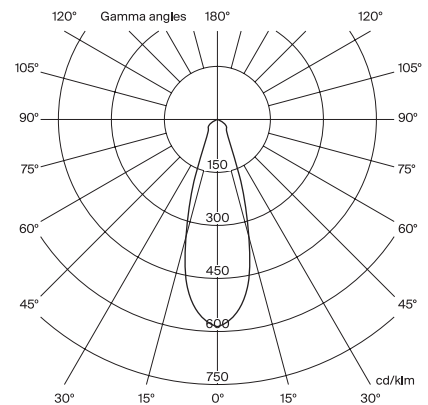
C Halfplanes
0° ——— 180°
90° - - - - 270°



Máx. intensity 1951.75 cd/klm

Symmetric
Distribution Medium
LOR 100%
ULOR 0%±3%

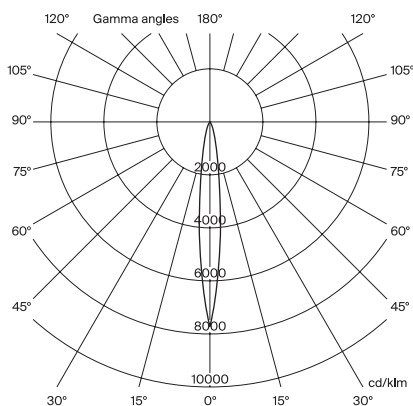
C Halfplanes
0° ——— 180°
90° - - - - 270°



Max. intensity 7697.66 cd/klm

Symmetric
Distribution Spot
LOR 100%
ULOR 0%±3%

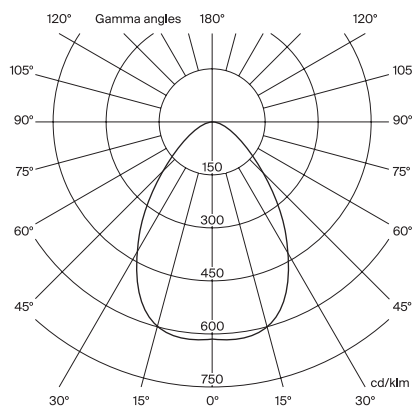
C Halfplanes
0° ——— 180°
90° - - - - 270°



Max. intensity 616.55 cd/klm

Symmetric
Distribution W. Flood Opal
LOR 100%
ULOR 0%±3%

C Halfplanes
0° ——— 180°
90° - - - - 270°



For calculation in ground type II (according to UNE-40) and wind speed of 29 m/s, with soil formed by loose or wet dirt or sand of medium compactness ($E_0 = 4800 \text{ KN/m}^2$), with HM-20 concrete. Non-binding information. We advise to carry out checks for each situation.