

Arne Floodlight

Urbidermis. 2013

Urbidermis



Materials and finishes

Primed and powder coated Injected aluminium floodlight. Tempered optical glass diffuser. Polymer sealing gasket. Stainless steel and black zinc-plated steel screws.

Installation



The Arne floodlight has a variety of accessories to adapt it to different poles, structures, surfaces or wiring.

The floodlight is supplied in two components: the lighting body and the accessory.

Instructions and screws included.

For further information go to urbidermis.com

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-505192).

Light system with CE marking made in ENAC-certified laboratory. IP66 (protection from dust ingress and high-pressure water jets), Suitable for wet locations. IK08 (protection against external mechanical impacts).

Electrical Class

Class I (CE)

Finishes



Light grey



Medium grey



Dark grey

*The colours shown are merely indicative and may differ from reality. (Other colours on request)

**Request finishes for marine environments

Weight kg (unpacked)

6,5

Surface exposed to wind (m²)

0,04 [0.43]

Technical information

High-efficiency optical unit with 18 and 36 LEDs

Nominal lamp power (W)

18 LEDs: 17 / 25 / 35

36 LEDs: 34 / 50 / 71

System power (W)

18 LEDs: 21 / 30 / 40

36 LEDs: 40 / 56 / 78

Operating current (mA)

350, 500, 700

Colour temperature (K)

3000 CRI min80, 4000 IRC min80

Power supply

Constant current driver.

Regulation

1-10V / DALI / Header flux regulation / Programmable automatic regulation / Wireless connection through node to street lighting management platforms.

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 (c/o) Assures a constant lumen output from the luminaire throughout its lifetime.

Power factor (cos Φ):

N° LEDs	Current (mA)	P (W) 100%, CLO 80%
18	350	0.93
	500	0.95
	700	0.97
36	350	0.95
	500	0.97
	700	0.98

Operating voltage

220-240V 50-60Hz (CE)

120-277V 60Hz (UL)

Recommended wire

0,6-1kV - 5 x 1,5mm² (AWG18) / 3 x 2,5mm² (AWG16)

Operating rated temperature (°C)

Ta 30.

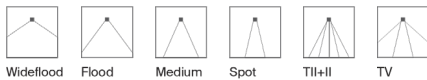
Lifetime

TM21 L90 (10k) > 100.000 h.

Thanks to an optimised thermal design, the luminous flux is maintained up to 90% after 100.000 h.

Light distributions

Symmetric



Indirect



Asymmetric

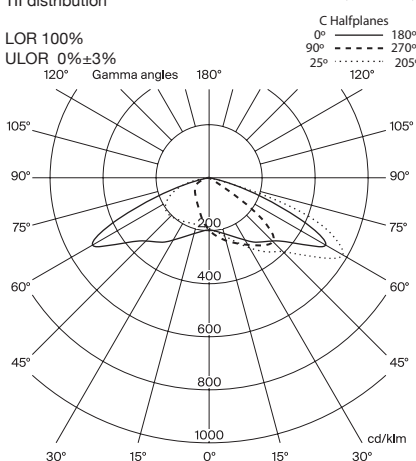


Upper Light Output Ratio (ULOR%)

0%±3%

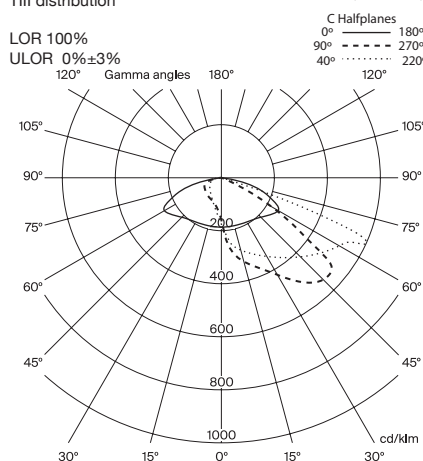
Asymmetric TII distribution

Max. Intensity 573.26 cd/klm (C=25°, G=60°)



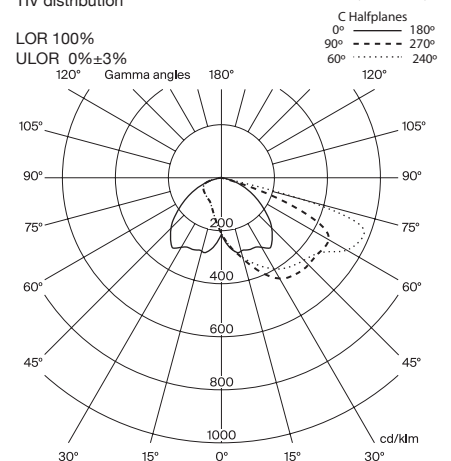
Asymmetric TIII distribution

Max. Intensity 593.70 cd/klm (C=40°, G=65°)

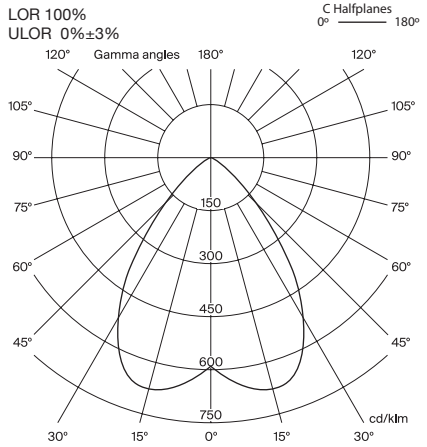


Asymmetric TIV distribution

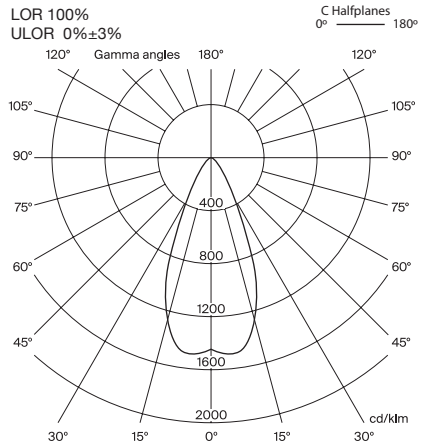
Max. Intensity 575.48 cd/klm (C=60°, G=70°)



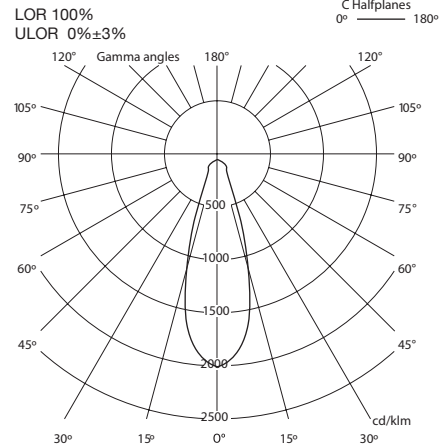
Asymmetric Wide Flood Max. Intensity 301.74 cd/klm
(C=315°, G=60°)



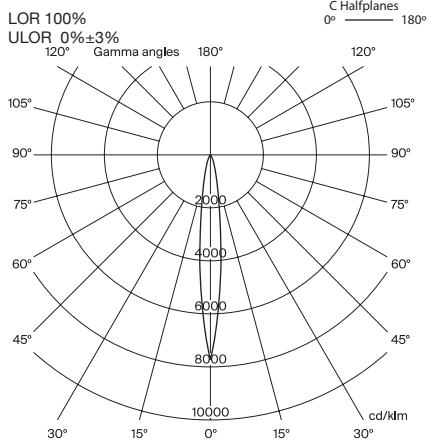
Symmetric Flood Max. Intensity 1476.19 cd/klm
(C=30°, G=60°)



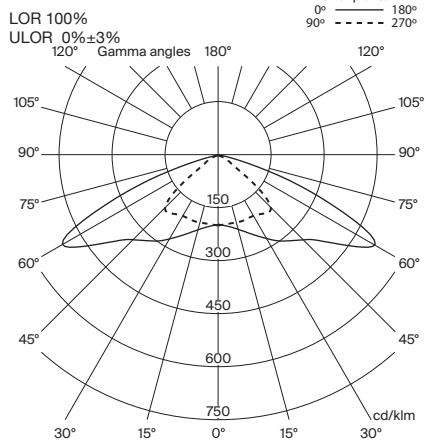
Symmetric Medium Max. Intensity 1951.75 cd/klm
(C=30°, G=60°)



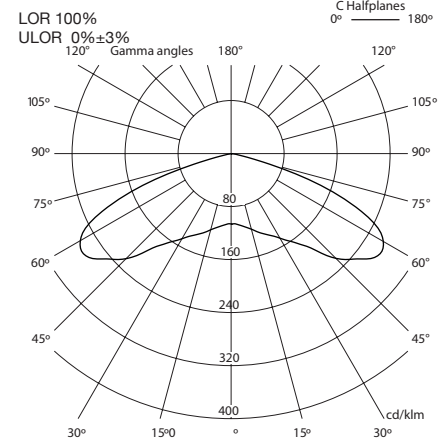
Symmetric Spot Max. Intensity 7697.66 cd/klm
(C=30°, G=60°)



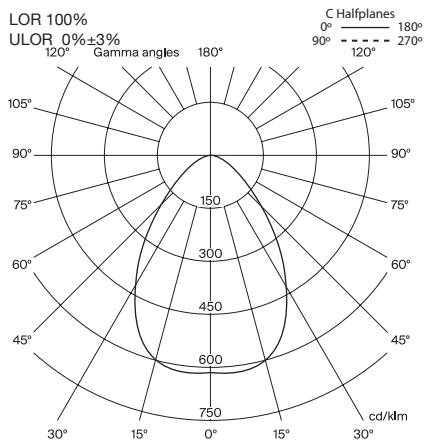
Symmetric TII + II distribution Max. Intensity 317.64 cd/klm
(C=30°, G=60°)



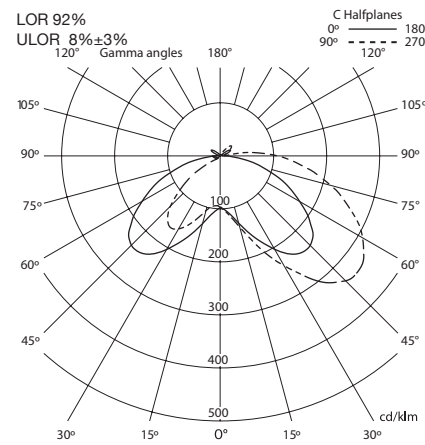
Symmetric TV distribution Max. Intensity 301.74 cd/klm
(C=315°, G=60°)



Symmetric Wide Opal Max. Intensity 573.11 cd/klm
(C=30°, G=60°)



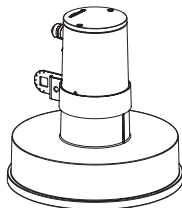
Indirect Asymmetric distribution Max. Intensity 356.15 cd/klm
(C=30°, G=60°)



Reference	LEDs n°	Tcolour (K)	Current (mA)	Power lamp (W)	System power (W)	IESNA **TII		IESNA **TIII		IESNA **TIV		IESNA **TV		Wide Flood **WF (76°)		Flood **F (42°)		Medium**M (30°)		Spot **S (15°)		IESNA **TII+II	
						Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)
AR*P18A1**	18	3000 IRC min80	350	17	21	2114	101	1991	95	2036	97	2293	109	2211	105	2385	114	2331	111	2287	109	2114	101
AR*P18B1**			500	25	30	2980	99	2805	94	2869	96	3232	108	3115	104	3361	112	3284	109	3223	107	2980	99
AR*P18C1**			700	35	40	3858	96	3632	91	3714	93	4185	105	4033	101	4352	109	4252	106	4174	104	3858	96
AR*P18A2**		4000 IRC min80	350	17	21	2373	113	2234	106	2285	109	2574	123	2481	118	2677	127	2616	125	2567	122	2373	113
AR*P18B2**			500	25	30	3344	111	3148	105	3219	107	3627	121	3496	117	3772	126	3686	123	3618	121	3344	111
AR*P18C2**			700	35	40	4330	108	4077	102	4169	104	4696	117	4527	113	4885	122	4773	119	4684	117	4330	108
AR*P36A1**	36	3000 IRC min80	350	34	40	4004	100	3770	94	3855	96	4343	108	4186	104	4517	112	4413	110	4331	108	4004	100
AR*P36B1**			500	50	56	5553	99	5228	93	5346	96	6023	108	5805	104	6264	112	6120	109	6007	107	5553	99
AR*P36C1**			700	71	78	7190	93	6769	87	6922	89	7799	101	7517	97	8111	105	7925	102	7778	100	7190	93
AR*P36A2**		4000 IRC min80	350	34	40	4494	112	4231	105	4326	108	4874	121	4698	117	5069	126	4953	123	4861	121	4494	112
AR*P36B2**			500	50	56	6232	111	5867	105	6000	107	6759	121	6515	117	7030	126	6869	123	6742	121	6232	111
AR*P36C2**			700	71	78	8069	104	7597	98	7769	100	8752	113	8436	109	9103	117	8894	115	8729	113	8069	104

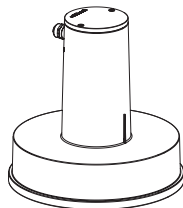
*See opal diffuser against glare (-7.5% luminaire flux).

AR1P



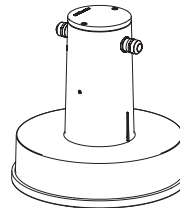
ARA01, ARA02, ARA04

AR2P



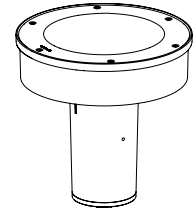
ARA05, ARA06, ARA07

AR3P



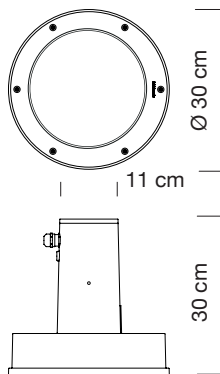
ARA03

AR4P



ARA08, ARA09, ARA10

Reference	LEDs n°	Colour T° (K)	Current (mA)	Power lamp (W)	System power (W)	WideSpot asymmetric	
						Luminous flux (lm)	Efficacy (lm/W)
AR4P18B1WS	18	3000 IRC min 80	500	25	30	1849	62
AR4P18C1WS			700	35	40	2394	60
AR4P36B1WS	36	3000 IRC min 80	500	50	56	2181	39
AR4P36C1WS			700	71	78	2824	36



Dimensions in cm

Headquarters Parc de Belloch
Ctra. C-251, Km 5,6
E-08430 La Roca (Barcelona, Spain)
+34 938 619 100

Warehouse
Carrer del Fou. Polígono Industrial Sud
E-08440 Cardedeu (Barcelona, Spain)
+34 938 619 182

