

# Arne S

## Floodlight

Urbidermis Team  
2018



## Product description

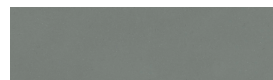
### Certificates



### Finishes



Light grey



Medium grey



Dark grey

The colours shown are purely indicative. Other colours are available upon request. Check finishes for marine

### Materials

- Anodised injected aluminium EN-AC-44100 floodlight with powder-coated finish, suitable for C5 zones.
- Interior ABS-PC plastic reflector.
- Tempered optical glass diffuser.
- A2 stainless steel hardware and metal cable gland.

### Installation and maintenance

- The floodlight has a variety of accessories that allow it to be adapted for different columns, structures, surfaces or wirings.
- The element is delivered as two separate components: the floodlight and the accessory.
  - Instructions and hardware included.
  - Includes pressure compensation valve and 10kV surge protector (CE).
  - Clean using pH neutral, alcohol-free, non-abrasive cleaning products. The optical glass can be cleaned with non-abrasive cleaning products.

### Regulations

- UNE-EN 60529
- UNE-EN 60598
- UNE-EN 55015
- UNE-EN 61000
- UNE-EN 50102
- UNE-EN 62031
- UL 1598
- UL 8750
- E-505192
- Lighting system with CE marking from a laboratory certified by ENAC [Spanish National Accreditation Body]
- IP66 (hermetically protected from penetration of dust and water jets)
- Suitable for wet areas.
- IK08 (protected from external mechanical impacts)
- Electrical class: Class I (CE)

# Technical information

## System power (W)

- High efficiency optical unit
- 8 LEDs 11W, 15W, 20W
  - 12 LEDs 15W, 21W, 29W
  - COB 19W, 27W, 37W

## Operating current (mA)

- PCB: CE / UL - 350, 500, 700
- COB: CE - 350, 500, 700 / UL - 350, 500

## Colour temperature (K)

- 2700 CRI min80
- 3000 CRI min80
- 4000 CRI min80

Other colour temperatures and/or CRIs are available upon request.

## Power supply

Constant current driver.

## Protocols and control

### PCB

#### Protocols

- 1-10V protocol
- Dali protocol

#### Control

- Dynamic programming
- Analogue control

### COB

#### Protocols

- CE - DALI
- UL - 0-10V

### Functionalities

- Constant Luminous Management (CLM)
- Temperature control
- Surge protector (CE)

## Recommended cable

- 0,6-1kV
- 5 x 1,5mm<sup>2</sup> (AWG18)
- 3 x 2,5mm<sup>2</sup> (AWG16)

## Operating voltage

- 220-240V 50-60Hz (CE)
- 120-277V 60Hz (UL)

## Nominal operating temperature (°C)

Ta 30

## Service life

TM21 L90 (10k) > 100,000 h

Luminous flux is maintained at 90% after 100,000 h.

## Upper Hemisphere Flux (UHF%)

0

## Surface exposed to wind (m<sup>2</sup>)

SW 0.03

## Weight kg [lb]

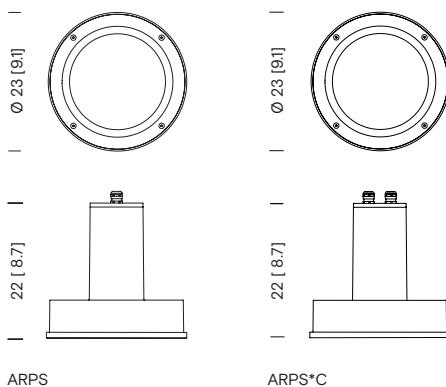
Floodlight: 3.7 [8.2]

Approximate weight without packaging.

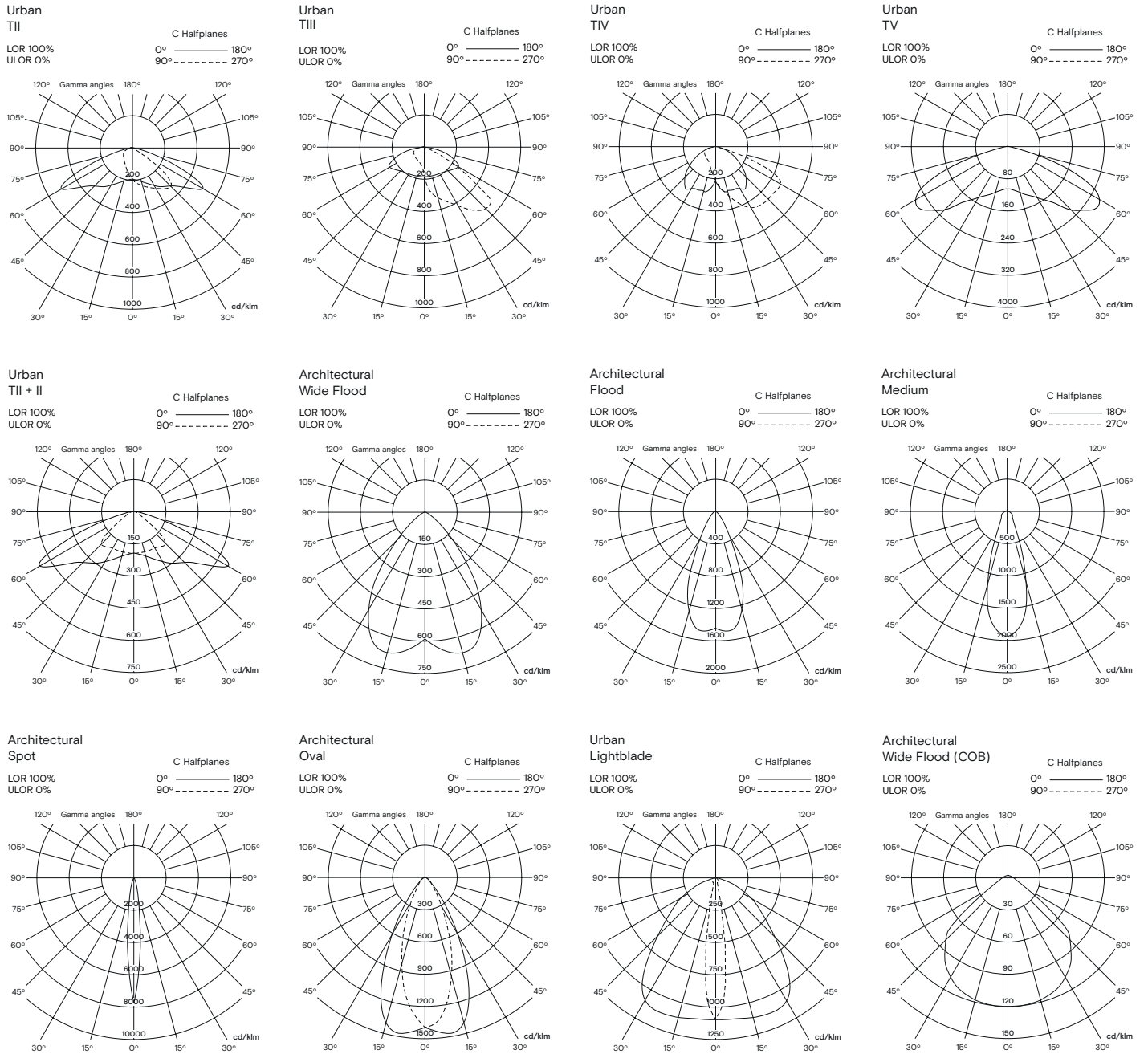
## Power factor (cos Φ)

Current (mA)	P (W) 100% CLO 90%		
	8 LEDs	12 LEDs	COB
350	0.77	0.85	0.95
500	0.83	0.90	0.97
700	-	-	0.99

## Dimensions cm [in]



Lighting distributions



Arne S			IESNA **TII		IESNA **TIII		IESNA **TIV		IESNA **TV		IESNA **TII+II		Wide Flood **WF		Flood **F		Medium **M		Spot **S		Oval **OV		Light Blade **LB			
Reference	System power (W)	No. of LEDs	Colour temperature (K)	Current (mA)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)		
ARPSO8A2**	11	8	4000K CRI min 80	350	1013	92	952	87	973	88	1019	93	1013	92	1059	96	1143	104	1117	102	1096	100	1117	102	1021	93
ARPSO8B2**	15			500	1373	92	1291	86	1318	88	1381	92	1373	92	1436	96	1549	103	1514	101	1486	99	1514	101	1384	92
ARPSO8C2**	20			700	1828	91	1718	86	1755	88	1838	92	1828	91	1911	96	2062	103	2015	101	1977	99	2015	101	1842	92
ARPSO8A1**	11		3000K CRI min 80	350	913	83	858	78	876	80	918	83	913	83	954	87	1030	94	1006	91	987	90	1006	91	920	84
ARPSO8B1**	15			500	1237	82	1163	78	1188	79	1244	83	1237	82	1293	86	1396	93	1364	91	1338	89	1364	91	1247	83
ARPSO8C1**	20			700	1647	82	1548	77	1581	79	1656	83	1647	82	1722	86	1858	93	1815	91	1781	89	1815	91	1659	83
ARPSO8A3**	11		2700K CRI min 80	350	913	83	858	78	876	80	918	83	913	83	954	87	1030	94	1006	91	987	90	1006	91	920	84
ARPSO8B3**	15			500	1237	82	1163	78	1188	79	1244	83	1237	82	1293	86	1396	93	1364	91	1338	89	1364	91	1247	83
ARPSO8C3**	20			700	1647	82	1548	77	1581	79	1656	83	1647	82	1722	86	1858	93	1815	91	1781	89	1815	91	1659	83
ARPS12A2**	15	12	4000K CRI min 80	350	1511	101	1421	95	1451	97	1520	101	1511	101	1580	105	1705	114	1666	111	1635	109	1666	111	1523	102
ARPS12B2**	21			500	2066	98	1942	92	1983	94	2077	99	2066	98	2159	103	2330	111	2277	108	2235	106	2277	108	2081	99
ARPS12C2**	29			700	2751	95	2586	89	2641	91	2766	95	2751	95	2876	99	3103	107	3032	105	2976	103	3032	105	2772	96
ARPS12A1**	15		3000K CRI min 80	350	1361	91	1280	85	1307	87	1369	91	1361	91	1423	95	1536	102	1501	100	1473	98	1501	100	1372	91
ARPS12B1**	21			500	1861	89	1749	83	1786	85	1871	89	1861	89	1945	93	2099	100	2051	98	2013	96	2051	98	1875	89
ARPS12C1**	29			700	2478	85	2330	80	2379	82	2492	86	2478	85	2591	89	2796	96	2732	94	2681	92	2732	94	2497	86
ARPS12A3**	15		2700K CRI min 80	350	1361	91	1280	85	1307	87	1369	91	1361	91	1423	95	1536	102	1501	100	1473	98	1501	100	1372	91
ARPS12B3**	21			500	1861	89	1749	83	1786	85	1871	89	1861	89	1945	93	2099	100	2051	98	2013	96	2051	98	1875	89
ARPS12C3**	29			700	2478	85	2330	80	2379	82	2492	86	2478	85	2591	89	2796	96	2732	94	2681	92	2732	94	2497	86
ARPSCA1**	19	COB	3000K CRI min80	350	-	-	-	-	-	-	-	-	-	-	2325	122	-	-	-	-	-	-	-	-	-	
ARPSCB1**	27			500	-	-	-	-	-	-	-	-	-	-	-	3178	122	-	-	-	-	-	-	-	-	-
ARPSCC1**	37			700	-	-	-	-	-	-	-	-	-	-	-	4233	114	-	-	-	-	-	-	-	-	-
ARPSCA3**	19		2700K CRI min80	350	-	-	-	-	-	-	-	-	-	-	-	2185	115	-	-	-	-	-	-	-	-	-
ARPSCB3**	27			500	-	-	-	-	-	-	-	-	-	-	-	2987	115	-	-	-	-	-	-	-	-	-
ARPSCC3**	37			700	-	-	-	-	-	-	-	-	-	-	-	3979	108	-	-	-	-	-	-	-	-	-