Arne S

Floodlight

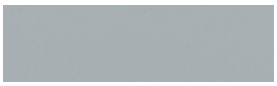
Urbidermis Team
2018

Product description

Certificates

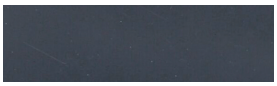
CE cULus RoHS IK 08 IP 66

Finishes



Light grey

Medium grey



Dark grey

The finishes shown are purely indicative. With **Superior** protection: high corrosion resistance for environments with demanding climate conditions. For coastal areas with severe climate conditions, check out our Premium protection finish. Other colours are available upon request.

Materials

- Anodised injected aluminium EN-AC-44100 floodlight with powder-coated finish.
- 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)

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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)

4000 CRI min80
3000 CRI min80
2700 CRI min80
2200 CRI min70
PC Amber CRI min40

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 1,5mm² (AWG18)
3 x 2,5mm² (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 (m²)

SW 0.03

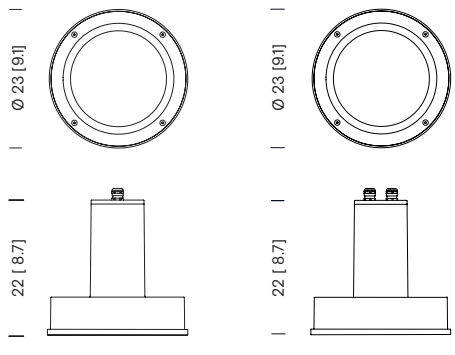
Weight kg [lb]

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]

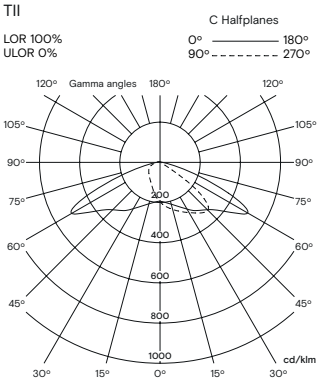


ARPS ARPS*C

Lighting distributions

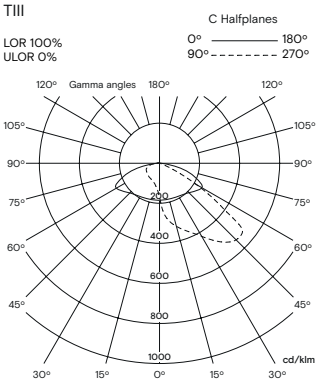
Urban
TII

LOR 100%
ULOR 0%



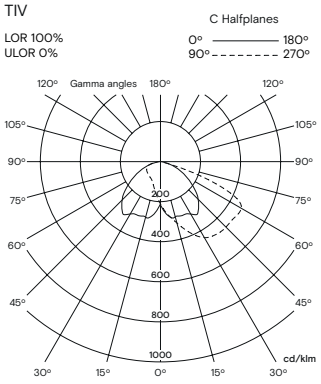
Urban
TIII

LOR 100%
ULOR 0%



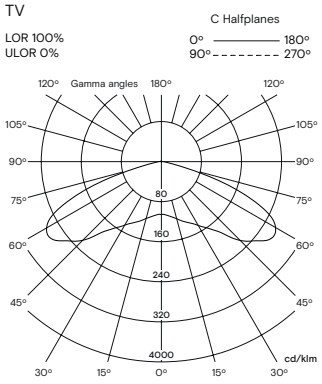
Urban
TIV

LOR 100%
ULOR 0%



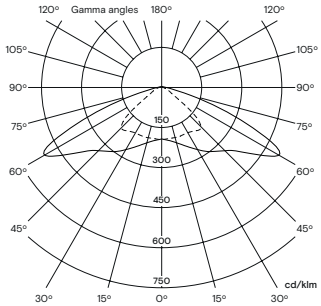
Urban
TV

LOR 100%
ULOR 0%



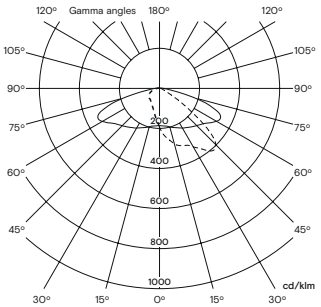
Urban
TII + II

LOR 100%
ULOR 0%



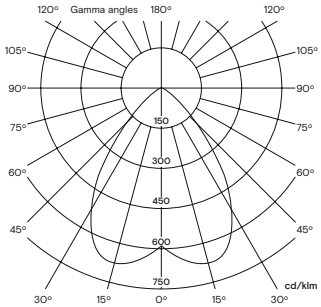
Urban
TII+III

LOR 100%
ULOR 0%



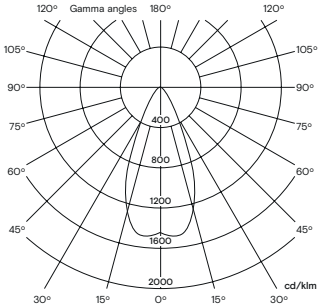
Architectural
Wide Flood

LOR 100%
ULOR 0%



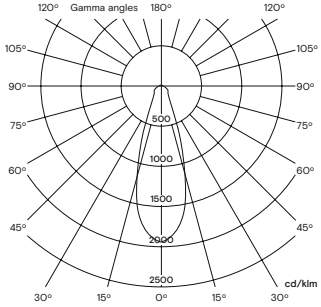
Architectural
Flood

LOR 100%
ULOR 0%



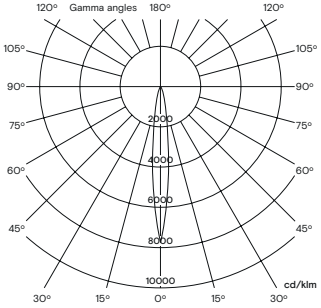
Architectural
Medium

LOR 100%
ULOR 0%



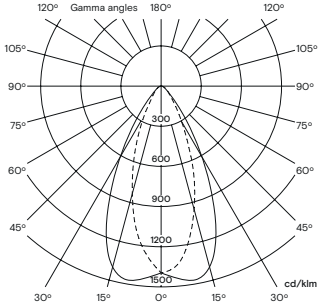
Architectural
Spot

LOR 100%
ULOR 0%



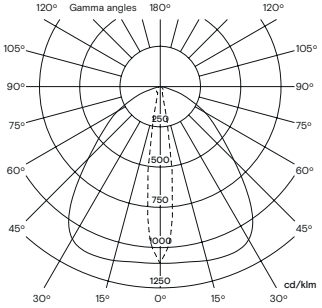
Architectural
Oval

LOR 100%
ULOR 0%



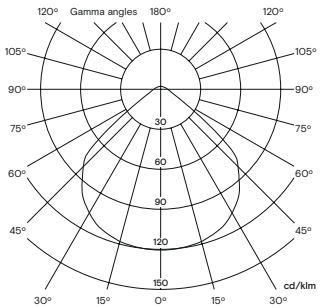
Urban
Lightblade

LOR 100%
ULOR 0%



Architectural
Wide Flood (COB)

LOR 100%
ULOR 0%



Arne S					IESNA **TII		IESNA **TIII		IESNA **TIV		IESNA **TV		IESNA **TII+II		IESNA **TII+III		Wide Flood **WF		Flood **F		Medium **M		Spot **S		Light Blade **LB		Oval **OV	
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)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)
ARPSO8A2**	11	8	4000 CRI min80	350	1013	92	952	87	973	88	1019	93	1013	92	983	89	1059	96	1143	104	1117	102	1096	100	1021	93	1117	102
ARPSO8B2**	15			500	1373	92	1291	86	1318	88	1381	92	1373	92	1332	89	1436	96	1549	103	1514	101	1486	99	1384	92	1514	101
ARPSO8C2**	20			700	1828	91	1718	86	1755	88	1838	92	1828	91	1773	89	1911	96	2062	103	2015	101	1977	99	1842	92	2015	101
ARPSO8A1**	11		3000 CRI min80	350	913	83	858	78	876	80	918	83	913	83	885	80	954	87	1030	94	1006	91	987	90	920	84	1006	91
ARPSO8B1**	15			500	1237	82	1163	78	1188	79	1244	83	1237	82	1200	80	1293	86	1396	93	1364	91	1338	89	1247	83	1364	91
ARPSO8C1**	20			700	1647	82	1548	77	1581	79	1656	83	1647	82	1597	80	1722	86	1858	93	1815	91	1781	89	1659	83	1815	91
ARPSO8A3**	11		2700 CRI min80	350	913	83	858	78	876	80	918	83	913	83	885	80	954	87	1030	94	1006	91	987	90	920	84	1006	91
ARPSO8B3**	15			500	1237	82	1163	78	1188	79	1244	83	1237	82	1200	80	1293	86	1396	93	1364	91	1338	89	1247	83	1364	91
ARPSO8C3**	20			700	1647	82	1548	77	1581	79	1656	83	1647	82	1597	80	1722	86	1858	93	1815	91	1781	89	1659	83	1815	91
ARPSO8A4**	11		2200 CRI min70	350	802	73	753	68	769	70	805	73	802	73	778	71	837	76	903	82	883	80	866	79	807	73	883	80
ARPSO8B4**	15			500	1086	72	1021	68	1042	69	1091	73	1086	72	1054	70	1135	76	1224	82	1196	80	1174	78	1094	73	1196	80
ARPSO8C4**	20			700	1446	72	1359	68	1387	69	1452	73	1446	72	1403	70	1510	76	1630	81	1592	80	1563	78	1455	73	1592	80
ARPSO8A5**	11		PC Amber CRI min40	350	557	51	524	48	535	49	560	51	557	51	541	49	583	53	629	57	614	56	603	55	561	51	614	56
ARPSO8B5**	15			500	732	49	688	46	703	47	736	49	732	49	710	47	765	51	826	55	807	54	792	53	738	49	807	54
ARPSO8C5**	20			700	882	44	829	41	846	42	886	44	882	44	855	43	922	46	994	50	972	49	954	48	888	44	972	49
ARPS12A2**	15	12	4000 CRI min80	350	1511	101	1421	95	1451	97	1520	101	1511	101	1466	98	1580	105	1705	114	1666	111	1635	109	1523	102	1666	111
ARPS12B2**	21			500	2066	98	1942	92	1983	94	2077	99	2066	98	2004	95	2159	103	2330	111	2277	108	2235	106	2081	99	2277	108
ARPS12C2**	29			700	2751	95	2586	89	2641	91	2766	95	2751	95	2669	92	2876	99	3103	107	3032	105	2976	103	2772	96	3032	105
ARPS12A1**	15		3000 CRI min80	350	1361	91	1280	85	1307	87	1369	91	1361	91	1321	88	1423	95	1536	102	1501	100	1473	98	1372	91	1501	100
ARPS12B1**	21			500	1861	89	1749	83	1786	85	1871	89	1861	89	1805	86	1945	93	2099	100	2051	98	2013	96	1875	89	2051	98
ARPS12C1**	29			700	2478	85	2330	80	2379	82	2492	86	2478	85	2404	83	2591	89	2796	96	2732	94	2681	92	2497	86	2732	94
ARPS12A3**	15		2700 CRI min80	350	1361	91	1280	85	1307	87	1369	91	1361	91	1321	88	1423	95	1536	102	1501	100	1473	98	1372	91	1501	100
ARPS12B3**	21			500	1861	89	1749	83	1786	85	1871	89	1861	89	1805	86	1945	93	2099	100	2051	98	2013	96	1875	89	2051	98
ARPS12C3**	29			700	2478	85	2330	80	2379	82	2492	86	2478	85	2404	83	2591	89	2796	96	2732	94	2681	92	2497	86	2732	94
ARPS12A4**	15		2200 CRI min70	350	1196	80	1124	75	1147	76	1201	80	1196	80	1160	77	1249	83	1347	90	1316	88	1292	86	1203	80	1316	88
ARPS12B4**	21			500	1634	78	1536	73	1567	75	1641	78	1634	78	1585	75	1707	81	1841	88	1799	86	1766	84	1645	78	1799	86
ARPS12C4**	29			700	2176	75	2046	71	2087	72	2186	75	2176	75	2111	73	2273	78	2453	85	2396	83	2352	81	2191	76	2396	83
ARPS12A5**	15		PC Amber CRI min40	350	831	55	781	52	798	53	836	56	831	55	806	54	869	58	938	63	916	61	899	60	837	56	916	61
ARPS12B5**	21			500	1101	52	1035	49	1057	50	1107	53	1101	52	1068	51	1151	55	1242	59	1214	58	1191	57	1109	53	1214	58
ARPS12C5**	29			700	1327	46	1247	43	1274	44	1334	46	1327	46	1287	44	1387	48	1497	52	1462	50	1435	49	1337	46	1462	50
ARPSCA1**	19	COB	3000 CRI min80	350	-	-	-	-	-	-	-	-	-	-	-	-	2325	122	-	-	-	-	-	-	-	-	-	-
ARPSCB1**	27			500	-	-	-	-	-	-	-	-	-	-	-	-	3178	122	-	-	-	-	-	-	-	-	-	-
ARPSCC1**	37			700	-	-	-	-	-	-	-	-	-	-	-	-	4233	114	-	-	-	-	-	-	-	-	-	-
ARPSCA3**	19		2700 CRI min80	350	-	-	-	-	-	-	-	-	-	-	-	-	2185	115	-	-	-	-	-	-	-	-	-	-
ARPSCB3**	27			500	-	-	-	-	-	-	-	-	-	-	-	-	2987	115	-	-	-	-	-	-	-	-	-	-
ARPSCC3**	37			700	-	-	-	-	-	-	-	-	-	-	-	-	3979	108	-	-	-	-	-	-	-	-	-	-

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