Gunnar

Floodlight

Antoni Roselló
2020

Product description

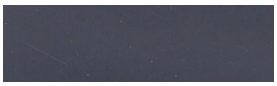
Certificates

CE · cULus · RoHS · IK08 · IP66 · ⏚

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

- Floodlight made of extruded aluminium 6063-T5 and injected aluminium EN-AC-47100, anodised 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)

urbidermis

Technical information

System power (W)

High efficiency optical unit
12 LEDs 15W, 21W, 29W
18 LEDs 20W, 29W, 40W
COB 20W, 28W, 39W

Operating current (mA)

350 / 500 / 700

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

Protocols
- 1-10V protocol
- Dali protocol

Control
- Dynamic programming
- Analogue control

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

Recommended cable

0,6-1kV
5 x 1,5mm^2 (AWG18)
3 x 2,5mm^2 (AWG16)

Operating voltage

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

Nominal operating temperature (ºC)

Ta 35

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^2)

SW 0.05

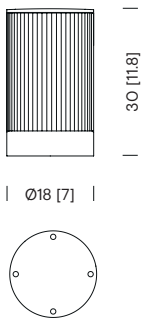
Weight kg [lb]

Floodlight: 4.7 [10.4]
Approximate weight without packaging.

Power factor (cos Φ)

Current (mA)	P (W) 100% CLO 90%		
	12 LEDs	18 LEDs	COB
350	0.84	0.93	0.91
500	0.87	0.94	0.93
700	0.88	0.94	0.93

Dimensions cm [in]

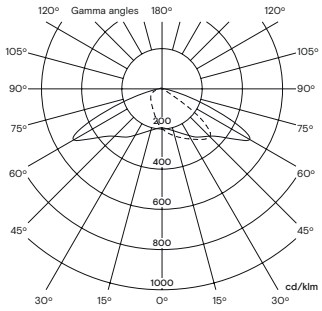


Lighting distributions

Urban
TII

LOR 100%
ULOR 0%

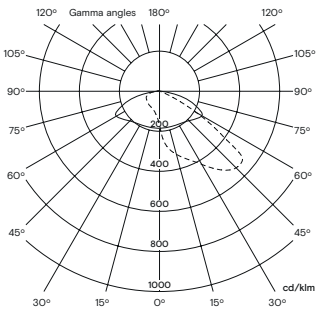
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Urban
TIII

LOR 100%
ULOR 0%

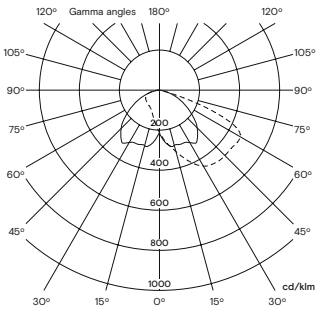
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Urban
TIV

LOR 100%
ULOR 0%

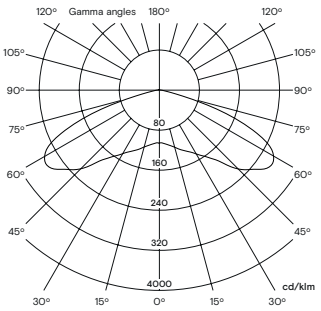
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Urban
TV

LOR 100%
ULOR 0%

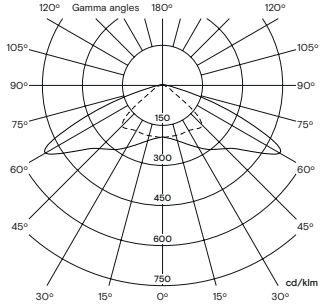
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Urban
TII + II

LOR 100%
ULOR 0%

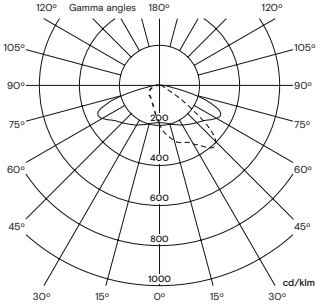
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Urban
TII+III

LOR 100%
ULOR 0%

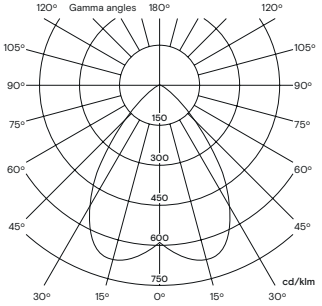
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Architectural
Wide Flood

LOR 100%
ULOR 0%

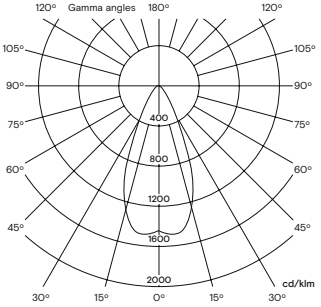
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Architectural
Flood

LOR 100%
ULOR 0%

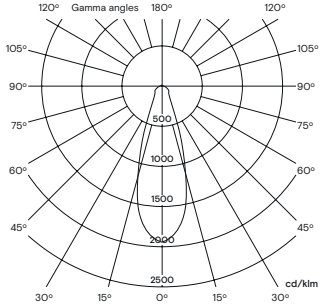
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Architectural
Medium

LOR 100%
ULOR 0%

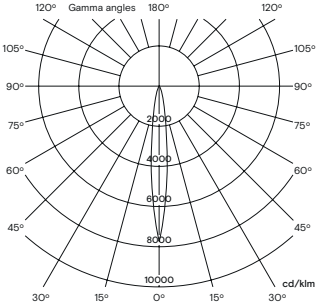
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Architectural
Spot

LOR 100%
ULOR 0%

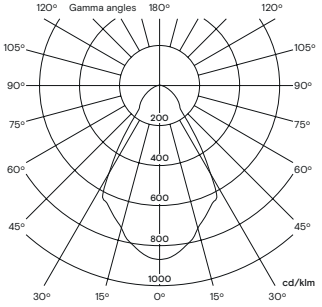
C Halfplanes
0° ——— 180°
90° - - - - - - - - 270°



Architectural
Wide Flood (COB)

LOR 100%
ULOR 0%

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



Gunnar					IESNA **TII		IESNA **TIII		IESNA **TIV		IESNA **TV		IESNA **TII+II		IESNA **TII+III		Wide Flood **WF		Flood **F		Medium **M		Spot **S	
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)
GU*P12A2**	15	12	4000 CRI min80	350	1498	100	1462	97	1413	94	1513	101	1498	100	1480	99	1623	108	1669	111	1696	113	1722	115
GU*P12B2**	21			500	2027	97	1977	94	1911	91	2046	97	2027	97	2002	95	2195	105	2258	108	2294	109	2329	111
GU*P12C2**	29			700	2769	95	2701	93	2610	90	2795	96	2769	95	2735	94	2998	103	3084	106	3134	108	3181	110
GU*P12A1**	15		3000 CRI min80	350	1350	90	1317	88	1273	85	1363	91	1350	90	1333	89	1462	97	1504	100	1528	102	1551	103
GU*P12B1**	21			500	1826	87	1781	85	1721	82	1843	88	1826	87	1804	86	1977	94	2034	97	2067	98	2098	100
GU*P12C1**	29			700	2495	86	2433	84	2352	81	2518	87	2495	86	2464	85	2701	93	2779	96	2823	97	2866	99
GU*P12A3**	15		2700 CRI min80	350	1350	90	1317	88	1273	85	1363	91	1350	90	1333	89	1462	97	1504	100	1528	102	1551	103
GU*P12B3**	21			500	1826	87	1781	85	1721	82	1843	88	1826	87	1804	86	1977	94	2034	97	2067	98	2098	100
GU*P12C3**	29			700	2495	86	2433	84	2352	81	2518	87	2495	86	2464	85	2701	93	2779	96	2823	97	2866	99
GU*P12A4**	15		2200 CRI min70	350	1184	79	1155	77	1116	74	1195	80	1184	79	1170	78	1282	85	1319	88	1340	89	1360	91
GU*P12B4**	21			500	1602	76	1562	74	1510	72	1617	77	1602	76	1582	75	1734	83	1784	85	1813	86	1840	88
GU*P12C4**	29			700	2188	75	2135	74	2063	71	2209	76	2188	75	2161	75	2369	82	2438	84	2477	85	2514	87
GU*P12A5**	15		PC Amber CRI min40	350	824	55	804	54	777	52	832	55	824	55	814	54	892	59	918	61	933	62	947	63
GU*P12B5**	21			500	1080	51	1054	50	1019	49	1091	52	1080	51	1067	51	1170	56	1204	57	1223	58	1241	59
GU*P12C5**	29			700	1335	46	1303	45	1259	43	1348	46	1335	46	1319	45	1446	50	1488	51	1511	52	1534	53
GU*P18A2**	20	18	4000 CRI min80	350	2360	118	2302	115	2225	111	2382	119	2360	118	2331	117	2555	128	2629	131	2671	134	2711	136
GU*P18B2**	29			500	3192	110	3104	107	3016	104	3209	111	3192	110	3148	109	3440	119	3563	123	3611	125	3668	126
GU*P18C2**	40			700	4321	108	4215	105	4074	102	4362	109	4321	108	4268	107	4679	117	4814	120	4891	122	4964	124
GU*P18A1**	20		3000 CRI min80	350	2126	106	2074	104	2004	100	2146	107	2126	106	2100	105	2302	115	2368	118	2406	120	2442	122
GU*P18B1**	29			500	2875	99	2796	96	2717	94	2891	100	2875	99	2836	98	3099	107	3210	111	3253	112	3305	114
GU*P18C1**	40			700	3893	97	3797	95	3670	92	3929	98	3893	97	3845	96	4215	105	4336	108	4406	110	4472	112
GU*P18A3**	20		2700 CRI min80	350	2126	106	2074	104	2004	100	2146	107	2126	106	2100	105	2302	115	2368	118	2406	120	2442	122
GU*P18B3**	29			500	2875	99	2796	96	2717	94	2891	100	2875	99	2836	98	3099	107	3210	111	3253	112	3305	114
GU*P18C3**	40			700	3893	97	3797	95	3670	92	3929	98	3893	97	3845	96	4215	105	4336	108	4406	110	4472	112
GU*P18A4**	20		2200 CRI min70	350	1865	93	1819	91	1758	88	1882	94	1865	93	1842	92	2019	101	2077	104	2111	106	2142	107
GU*P18B4**	29			500	2522	87	2453	85	2384	82	2536	87	2522	87	2487	86	2719	94	2816	97	2854	98	2899	100
GU*P18C4**	40			700	3415	85	3331	83	3219	80	3447	86	3415	85	3373	84	3697	92	3804	95	3865	97	3923	98
GU*P18A5**	20		PC Amber CRI min40	350	1298	65	1266	63	1223	61	1310	65	1298	65	1282	64	1405	70	1446	72	1469	73	1491	75
GU*P18B5**	29			500	1701	59	1654	57	1608	55	1711	59	1701	59	1678	58	1834	63	1899	65	1925	66	1955	67
GU*P18C5**	40			700	2084	52	2033	51	1965	49	2104	53	2084	52	2058	51	2257	56	2321	58	2359	59	2394	60
GU*PCA1**	20	COB	3000 CRI min80	350	-	-	-	-	-	-	-	-	-	-	-	-	1807	90	-	-	-	-	-	-
GU*PCB1**	28			500	-	-	-	-	-	-	-	-	-	-	-	-	2444	87	-	-	-	-	-	-
GU*PCC1**	39			700	-	-	-	-	-	-	-	-	-	-	-	-	3339	86	-	-	-	-	-	-
GU*PCA3**	20		2700 CRI min80	350	-	-	-	-	-	-	-	-	-	-	-	-	1699	85	-	-	-	-	-	-
GU*PCB3**	28			500	-	-	-	-	-	-	-	-	-	-	-	-	2297	82	-	-	-	-	-	-
GU*PCC3**	39			700	-	-	-	-	-	-	-	-	-	-	-	-	3139	80	-	-	-	-	-	-
Opal					-22%		-28%		-25%		-28%		-22%		-25%		-9%		-6%		-15%		-6%	

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