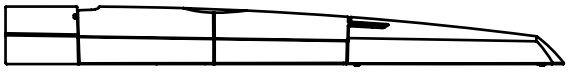
GRIFF



RAGNI

Data sheet

Electrical characteristics

- Power current up to 1050mA.
- Voltage range: from 21 V to 238 V.
- Electrical class: I & II.
- Varistor (protection against surges).
- Optional surge protector or over/under voltage protection systems.
- Standard electrical shock resistance: 6/10 kV (diff/comm).

LED characteristics

- Type: CMS.
- Luminous flux maintenance: L90 B10 100 000 hrs.
- CRI >70 - Amber, no CRI.
- ULR 0% (ULR: Upward Light Ratio).
- Photobiological hazard: RG1.

Powers and luminous intensities

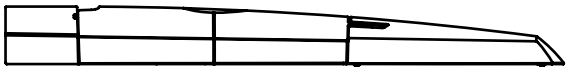
Amber lens (522) Number of LED		Nominal flux(1) (lm)	Nominal eff.(1) (lm/W)	350 mA			500 mA			700 mA			1050 mA		
				P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)
GRIFF S	16	4375	109	17	1574	93	24	2154	90	35	2883	83	53	4043	77
GRIFF L	32	8750	113	33	3149	96	47	4308	92	66	5766	88			
	48	13125	114	49	4723	97	70	6462	93	98	8649	89			
	64	17500	117	63	6298	100	91	8615	95	129	11532	90			

2200K Number of LED		Nominal flux(1) (lm)	Nominal eff.(1) (lm/W)	350 mA			500 mA			700 mA			920 mA			1050 mA			Energy efficiency class
				P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	
GRIFF S	8	2787	115	10	972	98	14	1333	96	19	1811	96				28	2575	92	E
	12	4181	118	15	1458	98	20	2000	100	27	2717	101				41	3863	95	E
	16	4940	110	19	1774	94	26	2435	94	36	3262	91				53	4565	87	E
	24	8362	128	27	2917	109	38	4001	106	52	5433	105				79	7726	98	E
GRIFF L	32	10117	142	35	4980	142	49	6874	140	69	8959	130							E
	48	15176	147	51	7521	147	73	10313	141	103	13441	130	138	15176	110				E
	64	20234	147	68	10028	147	96	13751	143	136	17921	132	184	20234	110				E

2700K Number of LED		Nominal flux(1) (lm)	Nominal eff.(1) (lm/W)	350 mA			500 mA			700 mA			920 mA			1050 mA			Energy efficiency class
				P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	P_t (W)(2)	Φ (lm)(2)	(lm/W)(2)	
GRIFF S	8	3235	132	10	1128	113	14	1548	111	19	2102	111				28	2989	107	D
	12	4577	132	15	1645	110	20	2256	113	27	3021	112				41	4229	104	E
	16	6099	136	19	2196	116	26	3011	116	36	4030	112				53	5635	107	E
	24	9153	143	27	3289	122	38	4512	119	52	6043	117				79	8457	108	E
GRIFF L	32	10507	148	35	5172	148	49	7140	146	69	9305	135							E
	48	15762	153	51	7811	153	73	10711	147	103	13960	136	138	15762	114				E
	64	21015	153	68	10415	153	96	14281	149	136	18612	137	184	21015	114				E

(1) Maximum LED flux at operating temperature including driver consumption.
(2) Actual luminaire output data at operating temperature including driver consumption, optical accessories. A tolerance on the data is allowed in accordance with IEC 62717 and IEC 62722.

GRIFF



RAGNI

Data sheet

Powers and luminous intensities

3000K Number of LED		Nominal flux[1] (lm)	Nominal eff.[1] (lm/W)	350 mA			500 mA			700 mA			920 mA			1050 mA			Energy efficiency class
				P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	
GRIFF S	8	3300	140	10	1187	119	14	1626	117	19	2181	115				28	3049	109	D
	12	4950	144	15	1779	119	20	2444	123	27	3271	122				41	4574	112	D
	16	6600	147	19	2375	125	26	3257	126	36	4361	122				53	6098	116	D
	24	9900	155	27	3557	132	38	4888	129	52	6542	126				79	9148	116	D
GRIFF L	32	10921	154	35	5376	154	49	7421	151	69	9671	140							D
	48	16382	159	51	8119	159	73	11132	152	103	14509	141	138	16382	119				D
	64	21842	159	68	10825	159	96	14843	155	136	19344	142	184	21842	119				D

4000K Number of LED		Nominal flux[1] (lm)	Nominal eff.[1] (lm/W)	350 mA			500 mA			700 mA			920 mA			1050 mA			Energy efficiency class
				P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	
GRIFF S	8	3485	147	10	1252	126	14	1719	123	19	2301	122				28	3220	115	D
	12	5225	152	15	1880	126	20	2578	129	27	3451	128				41	4828	118	D
	16	6965	156	19	2504	132	26	3437	133	36	4602	128				53	6436	122	D
	24	10450	165	27	3761	140	38	5156	136	52	6902	133				79	9656	123	D
GRIFF L	32	11342	160	35	5583	160	49	7707	157	69	10044	146							D
	48	17014	165	51	8432	165	73	11562	158	103	15069	146	138	17014	123				D
	64	22685	165	68	11243	165	96	15416	161	136	20091	148	184	22685	123				D

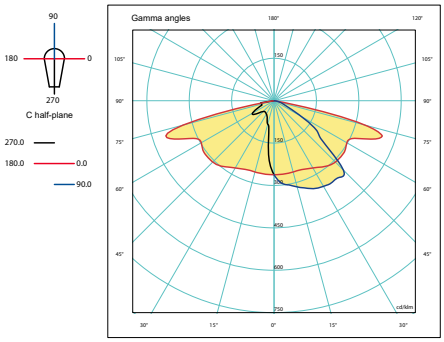
5700K Number of LED		Nominal flux[1] (lm)	Nominal eff.[1] (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class
				P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	P_t (W)[2]	Φ (lm)[2]	(lm/W)[2]	
GRIFF S	16	6600	147	19	2375	125	26	3257	126	36	4361	122	53	6098	116	C
GRIFF L	32	13200	159	35	4749	136	49	6514	133	69	8723	127				C
	48	19800	165	51	7124	140	73	9771	134	103	13084	128				C
	64	26400	165	68	9499	140	96	13028	136	136	17445	129				C

(1) Maximum LED flux at operating temperature including driver consumption.
(2) Actual luminaire output data at operating temperature including driver consumption, optical accessories. A tolerance on the data is allowed in accordance with IEC 62717 and IEC 62722.

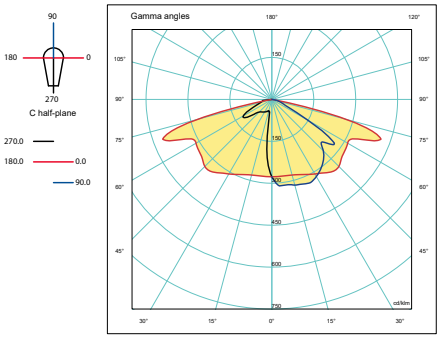
Photometric distributions

ASYMMETRICAL ROAD LIGHTING

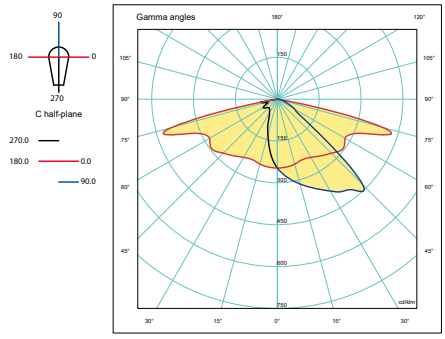
ASY10



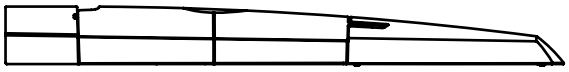
ASY11



ASY12



GRIFF



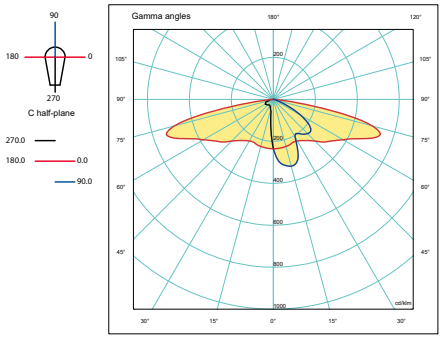
RAGNI

Data sheet

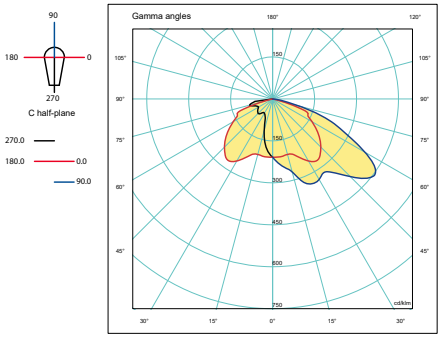
Photometric distributions

ASYMMETRICAL ROAD LIGHTING

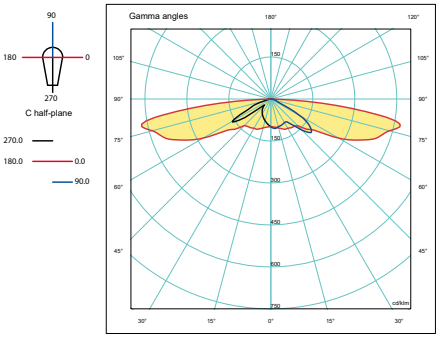
ASY13



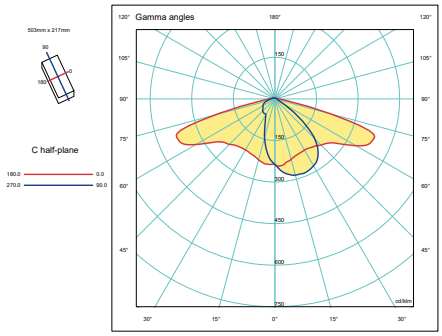
ASY14



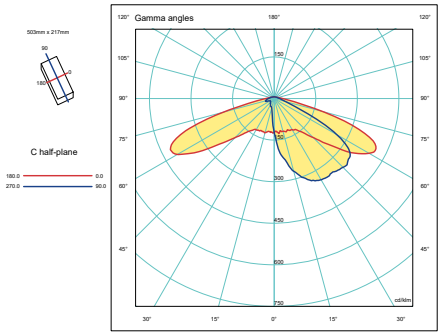
ASY17



ASY26

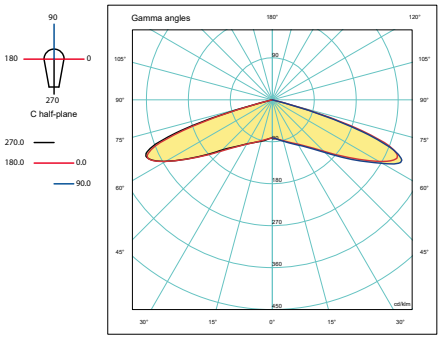


ASY27



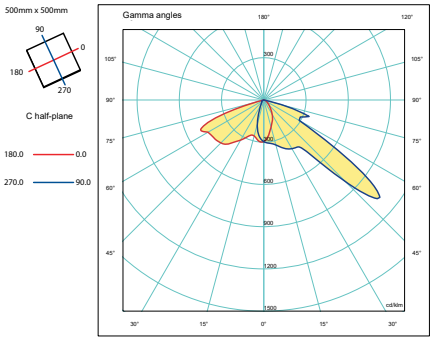
CIRCULAR

CIR06

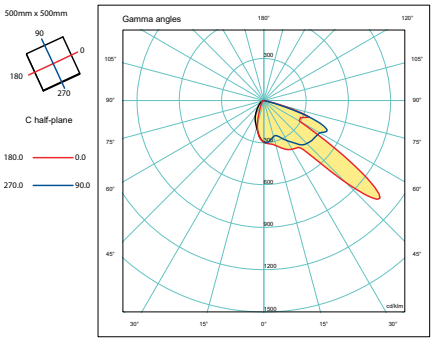


PEDESTRIAN CROSSING

PC02 45G



PC02 45D



SYMMETRICAL

SYM02