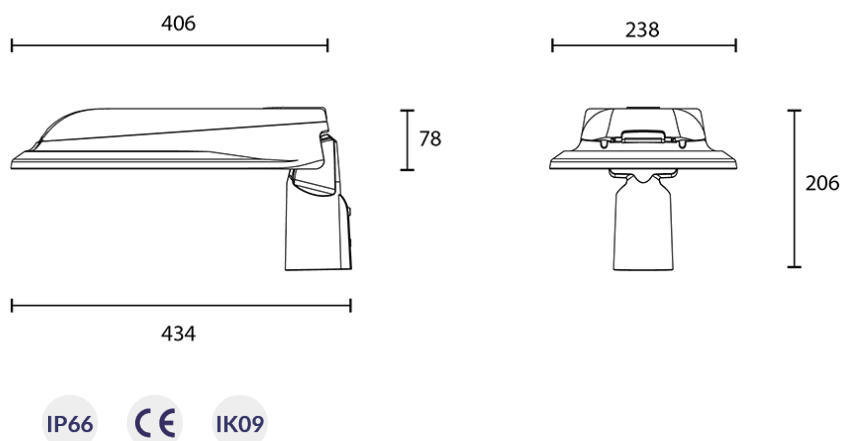




MAXIMO S GENERAL CHARACTERISTICS

Applications	Street lighting
Optics	N: Narrow V14; R: Regular R-V25; A: Regular Comfort A-V05; M: M-L10; W: Wide W-V07; B: Wide B-V08; D: Extra Wide V20; F: Front-Back V10; E: Forward Wide E-L01;
Colour temperature	2: Warm White 3,000K; 8: Neutral White 4,000K;
CRI and color tolerance (SDCM)	Minimum 70, on request 80 Colour tolerance between several luminaires Max. 4 steps MacAdam
Photobiological safety class	Exempt Group
Insulation class	Class II , Class I upon request
Degree of protection	IK09
IP Grade	IP66
Wiring	Internal connections - accessibility without tools
Dimensions	434 x 238 x 206 mm
Weight	4 kg

ELECTRICAL CHARACTERISTICS

Power supply	220-240 V 50/60 Hz; 120-270 V su richiesta
Power factor	> 0.98 (full load)
Control system	Automatic dimming system of the 'virtual midnight' type with up to 5 steps, CLO function. 1-10, DALI-2, Zhaga 18 on request
Overvoltage protection	12kV differential mode, 12kV common mode, SPD 5kA on request
Operating temperature	-20°C +50°C
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 100.000 hr

MATERIALS

Fixing	Suitable for 40 to 76 mm diameter poles
Heatsink	Die-cast aluminum; painted RAL 9007
Frame	Die-cast aluminum; painted RAL 9007
Optics	Multi-layer PMMA lenses
Screen	Flat tempered glass 5 mm thick, resistant to thermal shock and impact

The characteristics of the product are subject to change and will be confirmed when the order is placed.
The values indicated are to be considered with a tolerance of +/- 5%.

POWER AND OPTICAL FLUX I N
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
MXSG_012_	12,9	1.964	152	12,9	1.886	146
MXSG_022_	15,4	2.384	155	15,4	2.288	149
MXSG_032_	17,6	2.714	154	17,6	2.606	148
MXSG_042_	20,6	3.257	158	20,6	3.023	147
MXSG_052_	23,8	3.775	159	23,8	3.518	148
MXSG_062_	27,4	4.345	159	27,4	4.049	148
MXSG_072_	31,7	5.006	158	31,7	4.629	146
MXSG_082_	35,4	5.567	157	35,4	5.188	147
MXSG_092_	39,4	6.123	155	39,4	5.707	145
MXSG_102_	44,8	6.922	155	44,8	6.451	144
MXSG_B02_	49,3	7.575	154	49,3	7.109	144
MXSG_112_	53,6	8.198	153	53,6	7.747	145

POWER AND OPTICAL FLUX I R
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
MXSG_012_	12,9	1.958	152	12,9	1.881	146
MXSG_022_	15,4	2.377	154	15,4	2.281	148
MXSG_032_	17,6	2.706	154	17,6	2.599	148
MXSG_042_	20,6	3.228	157	20,6	3.006	146
MXSG_052_	23,8	3.741	157	23,8	3.499	147
MXSG_062_	27,4	4.305	157	27,4	4.027	147
MXSG_072_	31,7	4.961	156	31,7	4.604	145
MXSG_082_	35,4	5.517	156	35,4	5.160	146
MXSG_092_	39,4	6.068	154	39,4	5.676	144
MXSG_102_	44,8	6.859	153	44,8	6.416	143
MXSG_B02_	49,3	7.507	152	49,3	7.070	143
MXSG_112_	53,6	8.124	152	53,6	7.705	144

POWER AND OPTICAL FLUX I A
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
MXSG_012_	12,9	2.004	155	12,9	1.925	149
MXSG_022_	15,4	2.432	158	15,4	2.335	152
MXSG_032_	17,6	2.770	157	17,6	2.660	151
MXSG_042_	20,6	3.303	160	20,6	3.075	149
MXSG_052_	23,8	3.828	161	23,8	3.579	150
MXSG_062_	27,4	4.406	161	27,4	4.119	150
MXSG_072_	31,7	5.077	160	31,7	4.710	149
MXSG_082_	35,4	5.646	159	35,4	5.279	149
MXSG_092_	39,4	6.209	158	39,4	5.806	147
MXSG_102_	44,8	7.019	157	44,8	6.563	146
MXSG_B02_	49,3	7.682	156	49,3	7.233	147
MXSG_112_	53,6	8.313	155	53,6	7.882	147

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

POWER AND OPTICAL FLUX I M
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
MXSG_012_	12,9	1.943	151	12,9	1.865	145
MXSG_022_	15,4	2.372	154	15,4	2.277	148
MXSG_032_	17,6	2.710	154	17,6	2.602	148
MXSG_042_	20,6	3.229	157	20,6	3.100	150
MXSG_052_	23,8	3.713	156	23,8	3.564	150
MXSG_062_	27,4	4.247	155	27,4	4.077	149
MXSG_072_	31,7	4.914	155	31,7	4.717	149
MXSG_082_	35,4	5.735	162	35,4	5.506	156
MXSG_092_	39,4	6.383	162	39,4	6.128	156
MXSG_102_	44,8	7.213	161	44,8	6.924	155
MXSG_B02_	49,3	7.913	161	49,3	7.596	154
MXSG_112_	53,6	8.576	160	53,6	8.233	154

POWER AND OPTICAL FLUX I W
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
MXSG_012_	12,9	1.990	154	12,9	1.912	148
MXSG_022_	15,4	2.416	157	15,4	2.319	151
MXSG_032_	17,6	2.750	156	17,6	2.642	150
MXSG_042_	20,6	3.268	159	20,6	3.045	148
MXSG_052_	23,8	3.787	159	23,8	3.545	149
MXSG_062_	27,4	4.359	159	27,4	4.080	149
MXSG_072_	31,7	5.024	158	31,7	4.665	147
MXSG_082_	35,4	5.586	158	35,4	5.229	148
MXSG_092_	39,4	6.143	156	39,4	5.751	146
MXSG_102_	44,8	6.945	155	44,8	6.501	145
MXSG_B02_	49,3	7.600	154	49,3	7.164	145
MXSG_112_	53,6	8.225	153	53,6	7.807	146

POWER AND OPTICAL FLUX I B
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
MXSG_012_	12,9	1.957	152	12,9	1.880	146
MXSG_022_	15,4	2.376	154	15,4	2.279	148
MXSG_032_	17,6	2.704	154	17,6	2.597	148
MXSG_042_	20,6	3.226	157	20,6	3.004	146
MXSG_052_	23,8	3.739	157	23,8	3.497	147
MXSG_062_	27,4	4.302	157	27,4	4.025	147
MXSG_072_	31,7	4.958	156	31,7	4.601	145
MXSG_082_	35,4	5.514	156	35,4	5.157	146
MXSG_092_	39,4	6.064	154	39,4	5.673	144
MXSG_102_	44,8	6.855	153	44,8	6.412	143
MXSG_B02_	49,3	7.502	152	49,3	7.066	143
MXSG_112_	53,6	8.119	151	53,6	7.700	144

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

POWER AND OPTICAL FLUX I D
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
MXSG_012_	12,9	1.985	154	12,9	1.908
MXSG_022_	15,4	2.410	156	15,4	2.312
MXSG_032_	17,6	2.744	156	17,6	2.635
MXSG_042_	20,6	3.263	158	20,6	3.035
MXSG_052_	23,8	3.781	159	23,8	3.532
MXSG_062_	27,4	4.352	159	27,4	4.066
MXSG_072_	31,7	5.015	158	31,7	4.648
MXSG_082_	35,4	5.577	158	35,4	5.210
MXSG_092_	39,4	6.133	156	39,4	5.730
MXSG_102_	44,8	6.933	155	44,8	6.477
MXSG_B02_	49,3	7.587	154	49,3	7.138
MXSG_112_	53,6	8.211	153	53,6	7.780

POWER AND OPTICAL FLUX I F
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
MXSG_012_	12,9	1.982	154	12,9	1.905
MXSG_022_	15,4	2.407	156	15,4	2.309
MXSG_032_	17,6	2.740	156	17,6	2.631
MXSG_042_	20,6	3.223	156	20,6	3.040
MXSG_052_	23,8	3.734	157	23,8	3.538
MXSG_062_	27,4	4.298	157	27,4	4.073
MXSG_072_	31,7	4.953	156	31,7	4.656
MXSG_082_	35,4	5.508	156	35,4	5.219
MXSG_092_	39,4	6.058	154	39,4	5.740
MXSG_102_	44,8	6.848	153	44,8	6.488
MXSG_B02_	49,3	7.495	152	49,3	7.150
MXSG_112_	53,6	8.111	151	53,6	7.793

POWER AND OPTICAL FLUX I E
 (T_{amb}=25°C)

CODE	Power (W)	4000K		3000K	
		Flux (lm)	Efficiency	Power (W)	Flux (lm)
MXSG_012_	12,9	1.909	148	12,9	1.834
MXSG_022_	15,4	2.318	151	15,4	2.224
MXSG_032_	17,6	2.638	150	17,6	2.534
MXSG_042_	20,6	3.147	153	20,6	2.930
MXSG_052_	23,8	3.647	153	23,8	3.412
MXSG_062_	27,4	4.197	153	27,4	3.926
MXSG_072_	31,7	4.837	153	31,7	4.489
MXSG_082_	35,4	5.379	152	35,4	5.031
MXSG_092_	39,4	5.916	150	39,4	5.534
MXSG_102_	44,8	6.688	149	44,8	6.256
MXSG_B02_	49,3	7.319	148	49,3	6.894
MXSG_112_	53,6	7.921	148	53,6	7.512

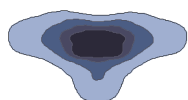
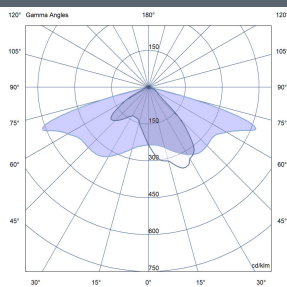
** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

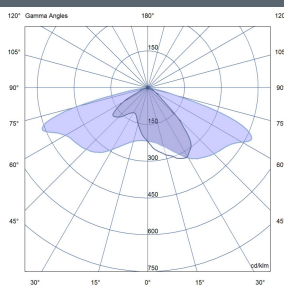
OPTICS

Narrow V14



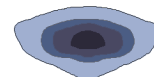
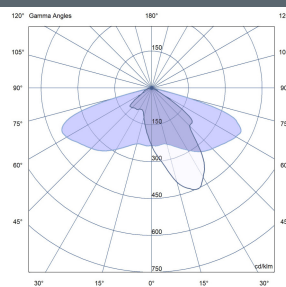
Asymmetrical street optics - Narrow beam
 $L / H = 0,5 \div 0,9$

Regular R-V25



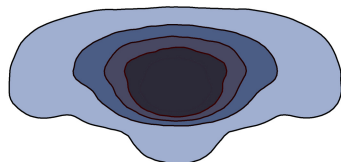
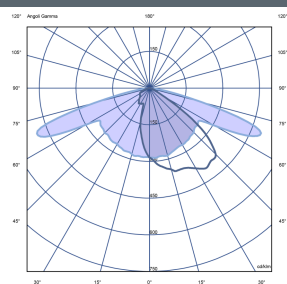
Asymmetrical street optics - Medium beam
 $L / H = 0,9 \div 1,1$

Regular Comfort A-V05



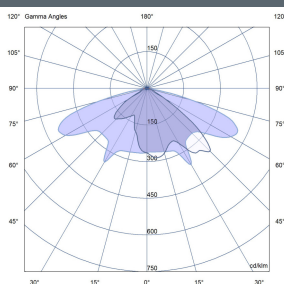
Asymmetrical Optics - Comfort
 $L / H = 1,0$

M-L10



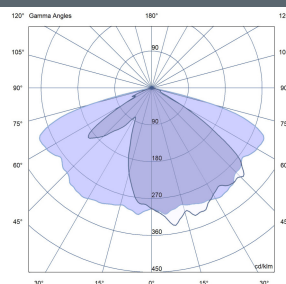
$L / H = 1,0$

Wide W-V07



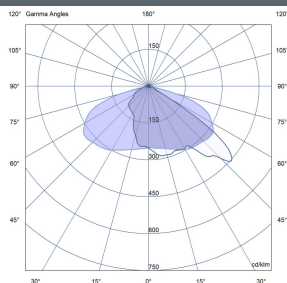
Asymmetrical street optics - Wide beam
 $L / H = 1,1 \div 1,3$

Wide B-V08



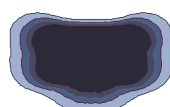
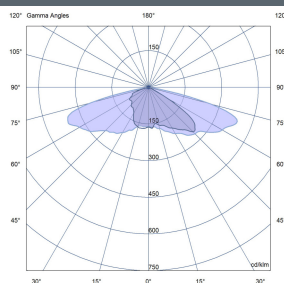
Asymmetrical street optics - Wide beam
 $L / H = 1,2 \div 1,5$

Extra Wide V20



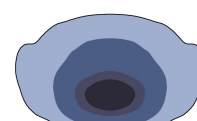
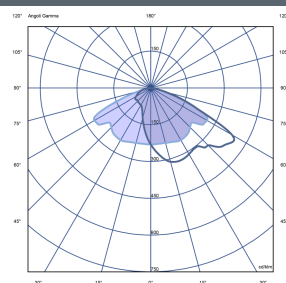
Asymmetrical optics - Very wide beam
 $L / H = 1,3 \div 1,6$

Front-Back V10



Asymmetrical Street Optics - Front-Back
 $L / H = 1,2 \div 1,5$

Forward Wide E-L01



Asymmetrical optics - Very wide beam
 $L / H = 1,5-2,0$

** Flux tolerance +/- 5%.

Other powers and flows on request.
 External connections on request.

CODING

	Optics	LED Color Temperature	Power *	Insulation Class (Input Range)	Dimming	Various
MXSG	R	8	XX	2	N	A
	N Narrow V14	2 Warm White 3,000K	01 12.9	2 Class II (220-240V)	N No Dimming	L Standard
	R Regular R-V25	8 Neutral White 4,000K	02 15.4	Versions available on request	M Virtual Midnight**	
	A Regular Comfort A-V05	Versions available on request	03 17.6		Z Virtual Midnight** + CLO	
	M M-L10		04 20.6	1 Class I (120-270V)	L Zhaga 18 + Virtual Midnight**	
	W Wide W-V07	1 Cool White 5,500K	05 23.8		Y Zhaga 18 + Virtual Midnight** + CLO	
	B Wide B-V08	5 Warm White 2,700K	06 27.4			
	D Extra Wide V20	9 Extra Warm White 2,200K	07 31.7			
	F Front-Back V10		08 35.4			
	E Forward Wide E-L01		09 39.4			
			10 44.8			
			B0 49.3			
			11 53.6			

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.