

**MAXIMO M
MAIN SPECIFICATIONS**

Applications	Street lighting
Optics	PMMA multi-layer lens
Colour temperature	2: Warm White 3,000K; 8: Neutral White 4,000K; Upon request: 5: Warm White 2,700K, 9: Extra Warm White 2,200K, 1: Cold White 5,000K
CRI and colour difference (SDCM)	Min. 70, 80 upon request Color difference among several devices: 4 steps MacAdam
Photobiological compliance	Exempt Group
Insulation class	Class II, class I upon request
Protection rating	IK09
IP rating	IP66
Cable harness	Internal connections - opening without tools
Dimensions	543x238x201 mm
Weight	5 Kg

ELECTRICAL SPECIFICATIONS

Rated voltage	220-240 V 50/60 Hz
Power factor	> 0.98 (full load)
Control technology	DALI-2 / 1-10V upon request; Automatic dimming system with 5 step "virtual midnight" and CLO function; Zhaga 18 upon request
Overvoltage Protection	12KV differential mode, 12KV common mode, SPD 5kA upon request
Operating temperature	-10°C +40°C
Life expectancy (T_a -10°C to 40°C)	L90 B10 > 100,000 hr

MATERIALS

Mounting	Suitable for 40 to 76 mm diameter poles Pole-top mounting for vertical and horizontal poles, adjustable from -15° to +20°
Frame and heatsink	Die-cast aluminum
Optics	PMMA multi-layer lens
Screen	Flat tempered glass thickness 5 mm, thermal and impact shock resistant

INPUT POWER AND FLUX OPTIC N | V14 **

(T_{amb} =25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
MXM 01	12.9	1964	152	13.0	1886	146
MXM 02	15.4	2384	155	15.6	2288	147
MXM 03	17.6	2714	154	17.8	2606	146
MXM 04	20.6	3257	158	20.5	3023	148
MXM 05	23.8	3775	159	23.7	3518	149
MXM 06	27.4	4345	158	27.4	4049	148
MXM 07	31.7	5006	158	31.4	4629	147
MXM 08	35.4	5567	157	35.4	5188	146
MXM 09	39.4	6123	155	39.4	5707	145
MXM 10	44.8	6922	154	44.8	6451	144
MXM 11	53.6	8198	153	53.9	7747	144
MXM 12	60.9	9402	154	61.2	8832	144
MXM 13	68.1	10487	154	68.2	9810	144
MXM 14	75.7	11595	153	75.7	10793	142
MXM 15	84.4	12691	150	84.3	11812	140

INPUT POWER AND FLUX OPTIC R | V25 **

(T_{amb} =25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
MXM 01	12.9	1958	152	13.0	1881	145
MXM 02	15.4	2377	154	15.6	2281	146
MXM 03	17.6	2706	153	17.8	2599	146
MXM 04	20.6	3228	157	20.5	3006	147
MXM 05	23.8	3741	157	23.7	3499	148
MXM 06	27.4	4305	157	27.4	4027	147
MXM 07	31.7	4961	157	31.4	4604	147
MXM 08	35.4	5517	156	35.4	5160	146
MXM 09	39.4	6068	154	39.4	5676	144
MXM 10	44.8	6859	153	44.8	6416	143
MXM 11	53.6	8124	152	53.9	7705	143
MXM 12	60.9	9298	153	61.2	8894	145
MXM 13	68.1	10372	152	68.2	9880	145
MXM 14	75.7	11467	152	75.7	10869	143
MXM 15	84.4	12550	149	84.3	11895	141

** Other Power and Flux on request.
External connectors on top or bottom on request.

INPUT POWER AND FLUX OPTIC W I V07 **
(T_{amb} =25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
MXM 01	12.9	1990	154	13.0	1912	148
MXM 02	15.4	2416	157	15.6	2319	149
MXM 03	17.6	2750	156	17.8	2642	148
MXM 04	20.6	3268	159	20.5	3045	149
MXM 05	23.8	3787	159	23.7	3545	150
MXM 06	27.4	4359	159	27.4	4080	149
MXM 07	31.7	5024	159	31.4	4665	149
MXM 08	35.4	5586	158	35.4	5229	148
MXM 09	39.4	6143	156	39.4	5751	146
MXM 10	44.8	6945	155	44.8	6501	145
MXM 11	53.6	8225	153	53.9	7807	145
MXM 12	60.9	9457	155	61.2	8884	145
MXM 13	68.1	10548	155	68.2	9868	145
MXM 14	75.7	11663	154	75.7	10856	143
MXM 15	84.4	12766	151	84.3	11882	141

INPUT POWER AND FLUX OPTIC D I V20 **
(T_{amb} =25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
MXM 01	12.9	1985	154	13.0	1908	147
MXM 02	15.4	2410	156	15.6	2312	148
MXM 03	17.6	2744	156	17.8	2635	148
MXM 04	20.6	3263	159	20.5	3035	148
MXM 05	23.8	3781	159	23.7	3532	149
MXM 06	27.4	4352	159	27.4	4066	149
MXM 07	31.7	5015	158	31.4	4648	148
MXM 08	35.4	5577	158	35.4	5210	147
MXM 09	39.4	6133	156	39.4	5730	146
MXM 10	44.8	6933	155	44.8	6477	145
MXM 11	53.6	8211	153	53.9	7780	144
MXM 12	60.9	9426	155	61.2	8854	145
MXM 13	68.1	10513	154	68.2	9835	144
MXM 14	75.7	11624	154	75.7	10819	143
MXM 15	84.4	12722	151	84.3	11841	141

** Other Power and Flux on request.
External connectors on top or bottom on request.

INPUT POWER AND FLUX OPTIC W I V05 **
(T_{amb} =25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
MXM 01	12.9	2004	155	13.0	1925	149
MXM 02	15.4	2432	158	15.6	2335	150
MXM 03	17.6	2770	157	17.8	2660	149
MXM 04	20.6	3303	161	20.5	3075	150
MXM 05	23.8	3828	161	23.7	3579	151
MXM 06	27.4	4406	161	27.4	4119	151
MXM 07	31.7	5077	160	31.4	4710	150
MXM 08	35.4	5646	160	35.4	5279	149
MXM 09	39.4	6209	158	39.4	5806	148
MXM 10	44.8	7019	157	44.8	6563	146
MXM 11	53.6	8313	155	53.9	7882	146
MXM 12	60.9	9560	157	61.2	8981	147
MXM 13	68.1	10663	157	68.2	9975	146
MXM 14	75.7	11790	156	75.7	10974	145
MXM 15	84.4	12904	153	84.3	12010	143

INPUT POWER AND FLUX OPTIC D I V10 **
(T_{amb} =25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
MXM 01	12.9	1982	153	13.0	1905	147
MXM 02	15.4	2407	156	15.6	2309	148
MXM 03	17.6	2740	155	17.8	2631	148
MXM 04	20.6	3223	157	20.5	3040	148
MXM 05	23.8	3734	157	23.7	3538	150
MXM 06	27.4	4298	157	27.4	4073	149
MXM 07	31.7	4953	156	31.4	4656	148
MXM 08	35.4	5508	156	35.4	5219	147
MXM 09	39.4	6058	154	39.4	5740	146
MXM 10	44.8	6848	153	44.8	6488	145
MXM 11	53.6	8111	151	53.9	7793	145
MXM 12	60.9	9443	155	61.2	8870	145
MXM 13	68.1	10532	155	68.2	9853	144
MXM 14	75.7	11645	154	75.7	10839	143
MXM 15	84.4	12745	151	84.3	11862	141

INPUT POWER AND FLUX OPTIC I I PDX **
(T_{amb} =25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
MXM 12	61.8	9495	154	61.6	8869	144
MXM 15	83.9	12374	147	84.0	11554	138

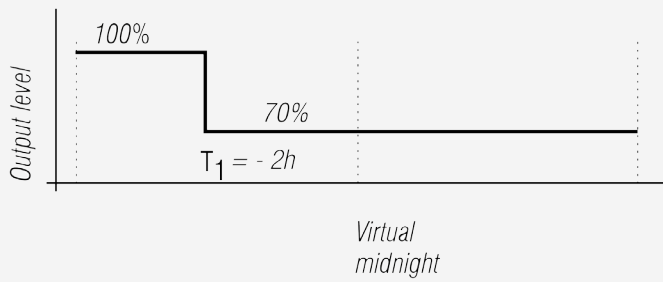
** Other Power and Flux on request.
External connectors on top or bottom on request.

OPTICS

Narrow V14 N	Regular V25 R	Wide V07 W
<p>Street asymmetrical optics - Narrow beam L / H = 0.5 ÷ 0.9</p>	<p>Street asymmetrical optics - Medium beam L / H = 0.9 ÷ 1.1</p>	<p>Street asymmetrical optics - Wide beam L / H = 1.1 ÷ 1.3</p>
Extrawide V20 D	Regular Comfort V05 A	Front Back V10 F
<p>Asymmetrical optics - Wide beam L / H = 1.3 ÷ 1.6</p>	<p>Asymmetrical optics - Comfort L / H = 1.0</p>	<p>Asymmetrical optics - Wide beam L / H = 1.3 ÷ 1.6</p>
Pedestrian Right PDX 1		
<p>Asymmetrical optics - Wide beam L / H = ND</p>		

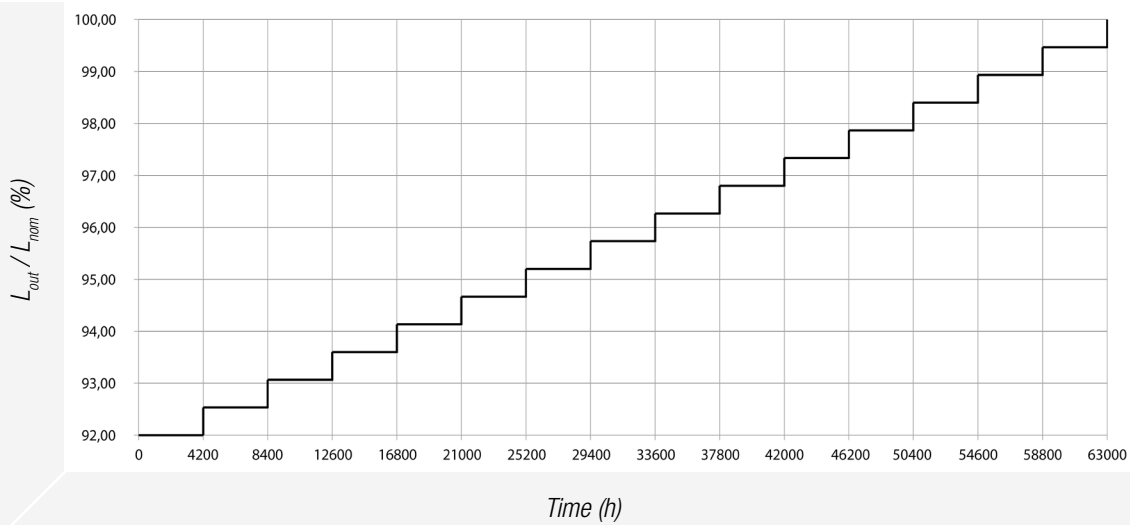
DIMMING

STANDARD VIRTUAL MIDNIGHT



To request a different profile contact our sales department.

STANDARD CLO FUNCTION



CODING

	Optic type	LED colour	Model type *	Class (Input Range)	Dimming	Surge suppressor
MXMG	R	8	XX	2	N	A
	N V14 <i>Narrow 1</i>	8 <i>Neutral White 4,000 K</i>	01 <i>12.9 W</i>	2 <i>Class II (220-240V)</i>	N <i>No Dimming</i>	A <i>Standard Surge Protection</i>
	R V25 <i>Regular</i>	2 <i>Warm White 3,000 K</i>	02 <i>15.4 W</i>	1 <i>Class I (120-270V)</i>	M <i>Virtual Midnight**</i>	B <i>Extra Suppressor</i>
	W V07 <i>Wide 1</i>		03 <i>17.6 W</i>		Z <i>Virtual Midnight** + CLO</i>	L <i>Standard Surge Protection</i>
	D V20 <i>Extra Wide</i>	<small>Versions available upon request</small>	04 <i>20.6 W</i>			
	A V05 <i>Regular Comfort</i>		05 <i>23.8 W</i>		L <i>Zhaga 18 + Virtual Midnight**</i>	
	F V10 <i>Front Back</i>	5 <i>Warm White 2,700 K</i>	06 <i>27.4 W</i>		Y <i>Zhaga 18 + Virtual Midnight** + CLO</i>	
	1 PDX <i>Pedestrian Right</i>	9 <i>Extra Warm White 2,200 K</i>	07 <i>31.7 W</i>			
		1 <i>Cold White 5,000 K</i>	08 <i>35.4 W</i>			
			09 <i>39.4 W</i>			
			10 <i>44.8 W</i>			
			11 <i>53.6 W</i>			
			12 <i>60.9 W</i>			
			13 <i>68.1 W</i>			
			14 <i>75.7 W</i>			
			15 <i>84.4 W</i>			

** Standard: -2h 70% - Customized upon request.

* Refer to "Input Power and Flux" table to choose the model code.