

# Fotometrie / Ottiche

## Photometries / Optics

Tutti gli apparecchi MG sono stati progettati con ottiche secondarie in PMMA o PC anti UV di tipo cut-off per garantire l'assenza di inquinamento luminoso.

MG collabora con primarie aziende italiane e internazionali mettendo a disposizione dei clienti un elevato numero di soluzioni ottiche personalizzabili per soddisfare al meglio le esigenze illuminotecniche dei progetti.

Gli apparecchi MG sono disponibili con temperature di colore 2200, 2700, 3000, 4000 e 5700K CRI > 70. (CRI 80 su richiesta).

*All MG luminaires have been designed with secondary cut-off anti-UV PMMA or PC optics to ensure the absence of light pollution.*

*MG collaborates with leading Italian and international companies by providing customers with a large number of customizable optical solutions to best meet the lighting requirements of the projects.*

*MG luminaires are available with color temperatures 2200, 2700, 3000, 4000 and 5700K CRI > 70. (CRI 80 on request).*

Type	Drawing	Description	Type	Drawing	Description
T2		IESNA type II (medium) Standard pedestrian lighting and M-class road	T4		IESNA type IV Wide road and large area
ME		EN 13201 - M Class Excellent longitudinal lumiance Uniformity. Road width is equal or less the pole height	4B		IESNA type IV forward-throw beam for wide area lighting like car parks
T3		IESNA type III (medium) Road equal to or wider than mounting pole	SC		IESNA type I/II (long) Residential, pedestrian, cycle road
OV		OVAL (Aisle)	VS		IESNA type V (square) Wide areas lighting such as car park
DW		IESNA type III (medium) Universal road	PX-PL		Pedestrian crossing for right / left side traffic

# ESSENZA



# ESSENZA



**IP 66- Cl. I/II - IK 09 - 100-277Vac  $\pm$ 10% - 50/60Hz - Ta 45°C** 

Garanzia: 5 anni

Warranty: 5 years

Colore: grigio polvere RAL 7037  
Corpo: alluminio pressofuso  
Diffusore in vetro temperato extrachiario 4mm  
Dissipatore: alluminio pressofuso integrato nel corpo  
Guarnizione: silicone  
Pressacavo: ottone nichelato IP68

Color: dusty grey RAL 7037  
Body: die cast aluminum  
Diffuser: extra clear temperate glass 4 mm  
Heat sink: die aluminum integrated in the body  
Gasket: silicon  
Cable gland: IP68 nickel-plated brass

Life time: > 100.000h L80B20 @ ta 25°C  
> 73.000h L90B10 @ ta 25°C

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Led: Osram - Ra > 70  
Rischio fotobiologico: classe RG 0

Led: Osram - Ra > 70  
Photo biological risk: class RG 0

Driver: programmabile (corrente, mezzanotte virtuale, CLO)  
protezione alle sovratensioni impulsive 10/6Kv

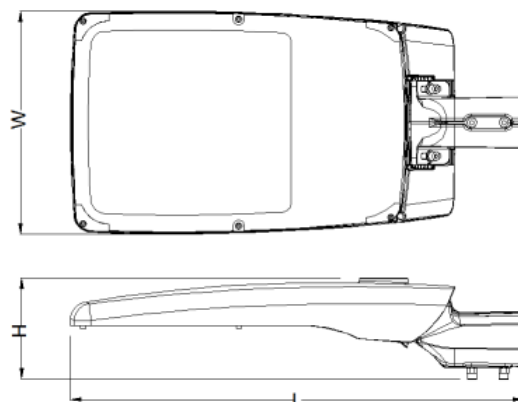
Driver: programmable (current, virtual midnight, CLO)  
surge protection level: 10/6kV CM/DM

Versioni con temperature ambiente (Ta) di lavoro più elevate su richiesta

Versions with higher working ambient temperature (Ta) on demand

Opzioni di dimmerazione/controllo su richiesta: 0-10V, DALI, PR WI-LE (remote setting), NEMA 7 pin, ....

Dimming / control options on request: 0-10V, DALI, PR WI-LE (remote setting), NEMA 7 pins,....



Type	L (mm)	H (mm)	W (mm)	Kg
ESSENZA S	481	131	260	4,3
ESSENZA M	594	135	264	5,5

# ESSENZA



## DATI ILLUMINOTECNICI / ILLUMINOTECHNICAL DATA:

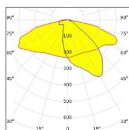
Description	System W	Output Lumen 4000K	Lm/w 4000K	Output Lumen 3000K	Lm/w 3000K	Output Lumen 2700K	Lm/w 2700K	Output Lumen 2200K	Lm/w 2200K
ESSENZA S 28-24-yy-xx	28	4265	151	4065	144	3675	130	3510	124
ESSENZA S 36-24-yy-xx	36	5280	147	5035	140	4525	126	4310	120
ESSENZA S 44-24-yy-xx	44	6280	144	5985	137	5375	123	5105	117
ESSENZA S 52-24-yy-xx	52	7245	141	6905	134	6220	121	5900	115
ESSENZA S 60-24-yy-xx	60	8185	138	7800	131	7060	119	6695	113
ESSENZA S 68-24-yy-xx	68	9125	135	8695	128	7845	116	7435	110
ESSENZA S 76-24-yy-xx	76	10045	132	9575	126	8630	114	8175	108
ESSENZA S 85-24-yy-xx	85	10935	129	10425	123	9410	111	8910	105
ESSENZA M 88-48-yy-xx	88	12565	144	11975	137	10800	124	10215	117
ESSENZA M 103-48-yy-xx	103	14490	141	13815	134	12440	121	11805	115
ESSENZA M 119-48-yy-xx	119	16375	138	15605	131	14125	119	13390	113
ESSENZA M 136-48-yy-xx	136	18250	135	17395	128	15695	116	14875	110
ESSENZA M 152-48-yy-xx	152	20090	132	19150	126	17265	114	16350	108

yy: 40 = 4000K  
 30 = 3000K  
 27 = 2700K  
 22 = 2200K

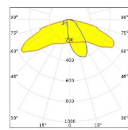
xx: ME = EN 13201 M class (excellent longitudinal luminance uniformity)  
 T2 = IESNA type II (medium)  
 T3 = IESNA type III (medium)  
 4B = IESNA type IV (wide area lighting)  
 SC = IESNA type II/III (long) - residential, pedestrian, cycle road  
 T4 = IESNA type IV  
 PX = pedestrian crossing

Tutti i dati sono riferiti a 25°C - tolleranza elettrica: ±5% - tolleranza flusso : ± 7%  
 All data are referred to 25°C - electrical tolerance ±5% - flux tolerance : ± 7%

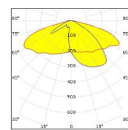
## FOTOMETRIE / PHOTOMETRIES:



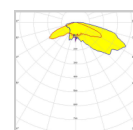
ME



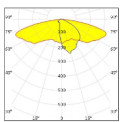
T2



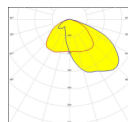
T3



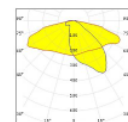
4B



SC



T4



PX

Altre fotometrie disponibili su richiesta  
 Others photometries available on demand