

# The Power of Illumination



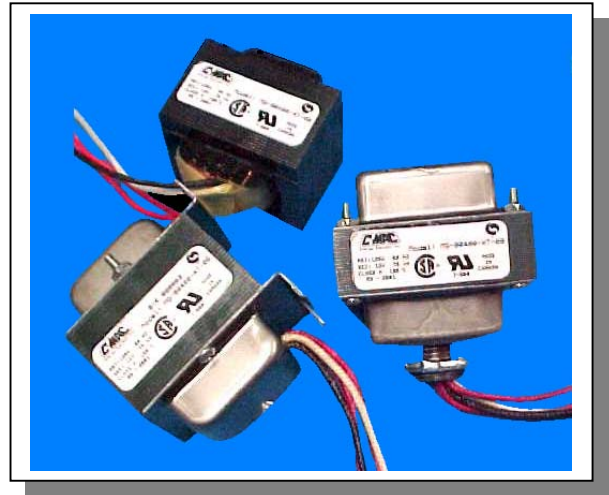
C-MAC | Energy Systems | [www.cmac.com/energy](http://www.cmac.com/energy)

## Magnelight

Magnetic transformers for lighting applications

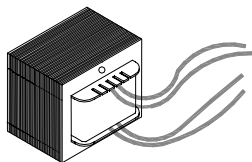
Magnetic transformers are widely used in various lighting applications. The Magnelight Series offers quality, performance and flexibility in design to meet your specific requirements.

The transformers are made with premium quality materials and are assembled with care. By a unique process, a thick layer of varnish is applied to impregnate the entire unit. Once hardened, the varnish bonds together and seals the components of the transformer for better protection, longevity and reduced vibration. The Magnelight Transformers are quiet in operation and outperform competition.



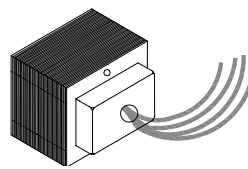
## Ordering Information

Open Type



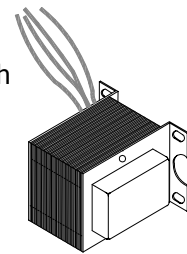
Model:  
MG-80300-      MG-80310-  
MG-80400-      MG-80410-

Closed with cover A



Model:  
MG-80302-      MG-80312-  
MG-80402-      MG-80412-

Closed with cover B



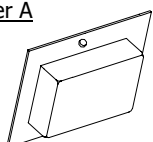
Model:  
MG-80304-      MG-80404-

SERIES	MODEL	COVER OPTION	CONSTRUCTION	WIRE MATERIAL	WIRE LENGTH			
					INPUT		OUTPUT	
MG-	8030	0 = OPEN, WITHOUT COVER	X = STANDARD	S = SEW T = TEFLON	5=5"	0=10"	5=5"	0=10"
	8031	2 = COVER TYPE A	S = SHEILDDED		6=6"	1=11"	6=6"	1=11"
	8040	4 = COVER TYPE B	N = NIPPLE		7=7"	2=12"	7=7"	2=12"
	8=8"	3=13"	8=8"		3=13"			
	8041		9=9"		4=14"	9=9"	4=14"	

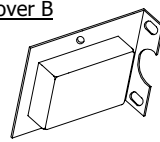
EX.: MG- 8030 0 -XS -6 6

Cover Option

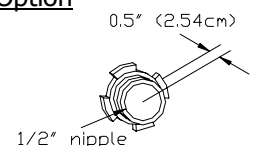
Cover A



Cover B



Construction Option



1-800-361-1400

**C-MAC**  
Energy Systems

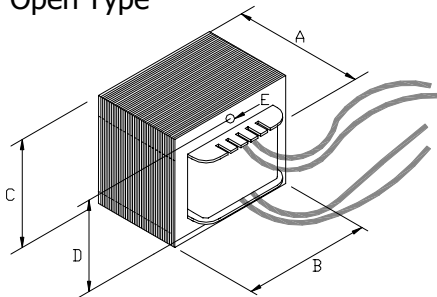
Teamwork, Technology and Trust™

# General Specifications



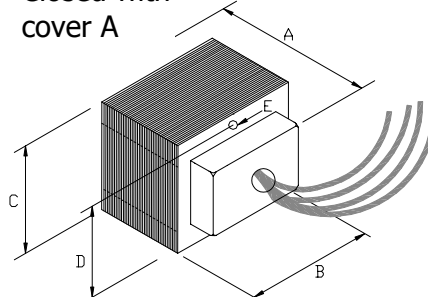
- **Input: 120V**
- **Class H (180°C)**
- **Dimmable (with regular incandescent dimmer)**
- **Low Vibration**
- **Quiet Operation**

Open Type



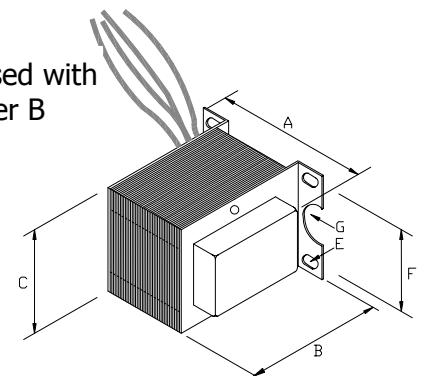
Model:  
 MG-80300-      MG-80310-  
 MG-80400-      MG-80410-

Closed with cover A



Model:  
 MG-80302-      MG-80312-  
 MG-80402-      MG-80412-

Closed with cover B



Model:  
 MG-80304-      MG-80404-

Model	Max. Load	Description	Output without Lamps	Output with Lamps	R1	R2	T Rise	Dimensions (inches)						
								A	B	C	D	E	F	G
MG-80300-	50W	¾" x 1½", open	12.80V	11.80V	7.4Ω	0.150Ω	70°C	2.50	2.25	1.88	1.625	0.156	-----	-----
MG-80302-	50W	¾" x 1½", closed with cover A	12.80V	11.80V	7.4Ω	0.150Ω	70°C	2.92	2.25	1.88	1.625	0.156	-----	-----
MG-80304-	50W	¾" x 1½", closed with cover B	12.80V	11.80V	7.4Ω	0.150Ω	70°C	2.92	2.25	1.88	-----	0.18 x 0.31	1.50	0.34 R
MG-80310-	50W	7/8" x 7/8", open	12.80V	11.80V	10.0Ω	0.147Ω	80°C	2.00	2.63	1.88	1.906	0.156	-----	-----
MG-80312-	50W	7/8" x 7/8", closed with cover A	13.00V	11.80V	10.0Ω	0.147Ω	80°C	2.95	2.63	1.88	-----	0.156	-----	-----
MG-80400-	75W	¾" x 1½", open	13.40V	11.65V	7.4Ω	0.160Ω	111°C	2.50	2.25	1.88	1.625	0.156	-----	-----
MG-80402-	75W	¾" x 1½", closed with cover A	13.40V	11.65V	7.4Ω	0.160Ω	111°C	2.92	2.25	1.88	1.625	0.156	-----	-----
MG-80404-	75W	¾" x 1½", closed with cover B	13.40V	11.65V	7.4Ω	0.160Ω	111°C	2.92	2.25	1.88	-----	0.18 x 0.31	1.50	0.34 R
MG-80410-	75W	7/8" x 7/8", open	14.00V	12.00V	10.0Ω	0.160Ω	125°C	2.00	2.63	1.88	1.906	0.156	-----	-----
MG-80412-	75W	7/8" x 7/8", closed with cover A	14.00V	12.00V	10.0Ω	0.160Ω	125°C	2.95	2.63	1.88	-----	0.156	-----	-----
MG-80500-	100W	¾" x 2", open	13.00V	12.00V	3.75Ω	0.084Ω	108°C	3.00	2.25	1.88	1.625	0.132	-----	-----
MG-80510-	150W	1" x 1½", open	12.80V	11.80V	3.02Ω	0.040Ω	104°C	2.75	3.00	2.50	2.150	0.219	-----	-----
MG-80610-	250W	1¼" x 1½", open	13.00V	12.00V	1.7Ω	0.023Ω	108°C	3.10	3.75	3.25	2.50	0.219	-----	-----

Note that dimensions are approximate  
 C-MAC reserves the right to change dimensions, specifications and prices without notice.

## Warranty

3 years from delivery date for:  
**Magnelight Transformers Series**



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