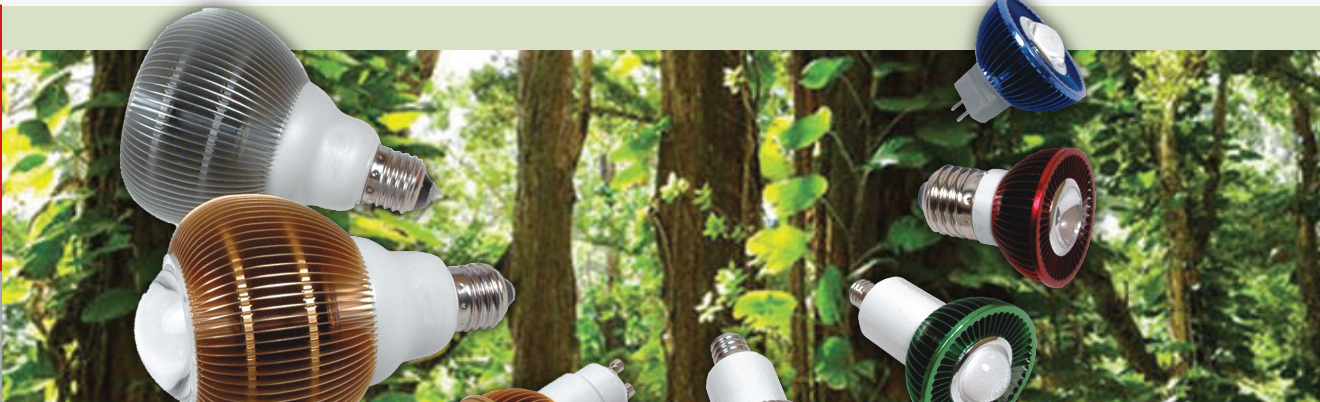


Residential and Commercial LED LIGHTING



Winner of the coveted
M-Technology Award 2009

THINK LED Lighting
THINK Series - MR16
THINK Series - BR/PAR30

think
LED lighting

Advanced Product Labs
1000 de la Commune east suite 726
Montreal, Quebec, H2L 5C1

www.AdvancedProductLabs.com
Tel: 514.484.2614

Residential and Commercial LED LIGHTING



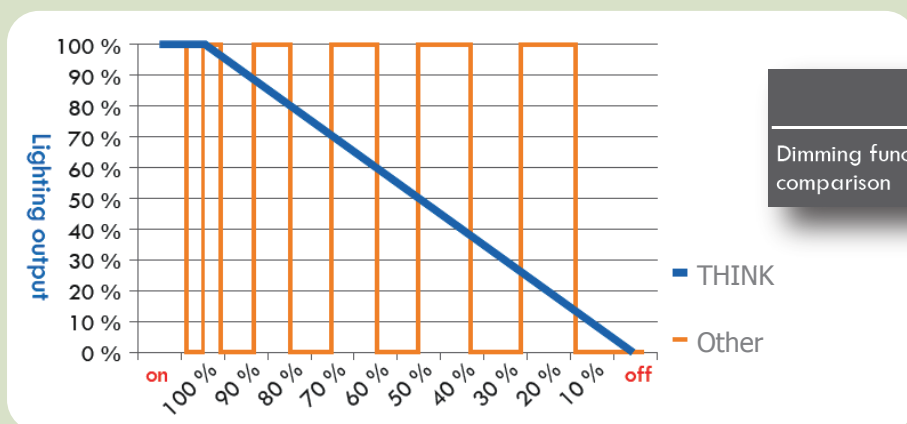
AC Dimmable High Power MR16

think
LED lighting

■ FEATURES

- » THINK proprietary dimmable component; excellent dimming function and no flicker.
- » Multiple options: applied for different bases that are all compliant to international standards such as E11, E14, E26/27, GU10/GZ10.

■ COMPARISON WITH OTHER DIMMABLE LED PRODUCTS



	THINK	Other
Dimming function comparison	NO Flicker.	Frequent / Constant Flicker




Residential and Commercial LED LIGHTING



AC Dimmable High Power MR16

think
LED lighting

SPECIFICATIONS











• Module	MR16
• Power Consumption	5 Watts
• Working Voltage	110V AC
	220V AC
• Beam Angle	 38°  60°  120°
• Chipset Luminaire	○ True White (Max.) 220 lm
	● Warm White (Max.) 160 lm

*All lumen data from chipset manufacturers.

FLUX AT DISTANCE

MR16	True White 5W 38°	MR16	Warm White 5W 38°
0.5M	1560 Lux ∅ 0.34M	1156 Lux ∅ 0.34M	
1M	390 Lux ∅ 0.68M	289 Lux ∅ 0.68M	
1.5M	173 Lux ∅ 1.02M	128 Lux ∅ 1.02M	
2M	97.5 Lux ∅ 1.36M	72.2 Lux ∅ 1.36M	
2.5M	62.4 Lux ∅ 1.7M	46.2 Lux ∅ 1.7M	
3M	43.4 Lux ∅ 2.04M	32.1 Lux ∅ 2.04M	

BASE INFORMATION

Base	E11		E14 *Euro		E26/27 *Euro		E26/24 *US		GU10/GZ10	
• Dimension (mm)										
	*M01: 50.5x68.6	*M02: 49.7x68.6	*M01: 50.5x78	*M02: 49.7x78	*M01: 50.5x57.9	*M02: 49.7x57.9	*M01: 50.5x57.9	*M02: 49.7x57.9	*M01: 50.5x56.9	*M02: 49.7x56.9
• Weight	48 g		48 g		48 g		48 g		40 g	

NOTES *M01: The format of M01 is the most effective design of thermal conductivity within the MR16 series.
 *M02: In compliance with ANSI standard, can be installed in any MR16 fixtures.
 *E14 also have American standard screw base.

Residential and Commercial LED LIGHTING



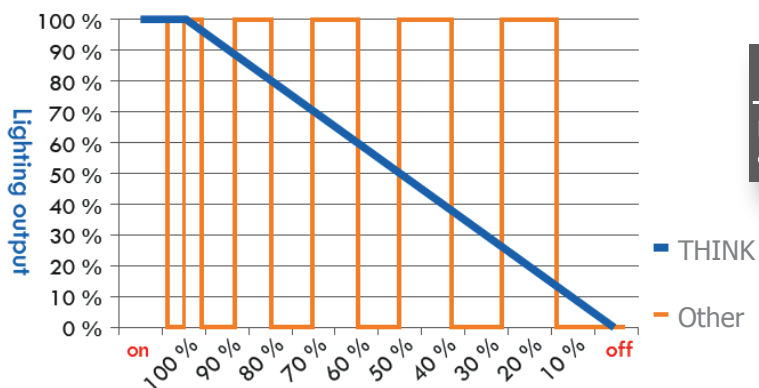
AC Dimmable High Power BR/PAR

think
LED lighting

■ FEATURES

- » THINK proprietary dimmable component; excellent dimming function and no flicker.
- » Main indoor lighting source.
- » Compliant with IED standards; THINK BR30 (PAR30)/BR40 (PAR38).

■ COMPARISON WITH OTHER DIMMABLE LED PRODUCTS



	THINK	Other
Dimming function comparison	NO Flicker.	Frequent / Constant Flicker




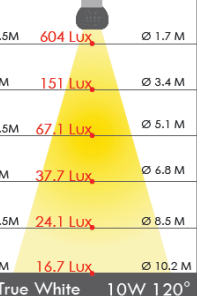
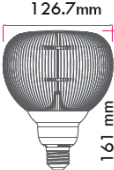


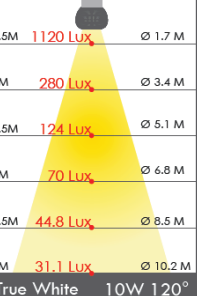




Residential and Commercial LED LIGHTING



AC Dimmable High Power BR/PAR

think
LED lighting

■ SPECIFICATIONS

BR30 AC Dimmable LED				BR40 AC Dimmable LED																																													
 <p>98 mm 133.5 mm</p>	 <p>True White</p>	 <p>Warm White</p>		 <p>126.7 mm 161 mm</p>	 <p>True White</p>	 <p>Warm White</p>																																											
<ul style="list-style-type: none"> Power Consumption 	10 Watts			<ul style="list-style-type: none"> Power Consumption 	20 Watts																																												
<ul style="list-style-type: none"> Working Voltage 	110V AC 220V AC			<ul style="list-style-type: none"> Working Voltage 	110V AC 220V AC																																												
<ul style="list-style-type: none"> Base 	E26/E27 (Euro) E26/E24 (US)			<ul style="list-style-type: none"> Base 	E26/E27 (Euro) E26/E24 (US)																																												
<ul style="list-style-type: none"> Chipset Luminaire 	<ul style="list-style-type: none"> True White (Max.) 400 lm Warm White (Max.) 300 lm 	*All lumen data from chipset manufacturers.		<ul style="list-style-type: none"> Chipset Luminaire 	<ul style="list-style-type: none"> True White (Max.) 800 lm Warm White (Max.) 600 lm 	*All lumen data from chipset manufacturers.																																											
<ul style="list-style-type: none"> Weight 	8.8 oz. (250 g)			<ul style="list-style-type: none"> Weight 	17.6 oz. (500 g)																																												
<ul style="list-style-type: none"> Beam Angle 	 <p>60°</p>  <p>120°</p>			<ul style="list-style-type: none"> Beam Angle 	 <p>60°</p>  <p>120°</p>																																												
			<table border="1"> <tr><td>0.5M</td><td>604 Lux</td><td>∅ 1.7 M</td></tr> <tr><td>1M</td><td>151 Lux</td><td>∅ 3.4 M</td></tr> <tr><td>1.5M</td><td>67.1 Lux</td><td>∅ 5.1 M</td></tr> <tr><td>2M</td><td>37.7 Lux</td><td>∅ 6.8 M</td></tr> <tr><td>2.5M</td><td>24.1 Lux</td><td>∅ 8.5 M</td></tr> <tr><td>3M</td><td>16.7 Lux</td><td>∅ 10.2 M</td></tr> <tr><td colspan="3">True White 10W 120°</td></tr> </table>	0.5M	604 Lux	∅ 1.7 M	1M	151 Lux	∅ 3.4 M	1.5M	67.1 Lux	∅ 5.1 M	2M	37.7 Lux	∅ 6.8 M	2.5M	24.1 Lux	∅ 8.5 M	3M	16.7 Lux	∅ 10.2 M	True White 10W 120°						<table border="1"> <tr><td>0.5M</td><td>1120 Lux</td><td>∅ 1.7 M</td></tr> <tr><td>1M</td><td>280 Lux</td><td>∅ 3.4 M</td></tr> <tr><td>1.5M</td><td>124 Lux</td><td>∅ 5.1 M</td></tr> <tr><td>2M</td><td>70 Lux</td><td>∅ 6.8 M</td></tr> <tr><td>2.5M</td><td>44.8 Lux</td><td>∅ 8.5 M</td></tr> <tr><td>3M</td><td>31.1 Lux</td><td>∅ 10.2 M</td></tr> <tr><td colspan="3">True White 10W 120°</td></tr> </table>	0.5M	1120 Lux	∅ 1.7 M	1M	280 Lux	∅ 3.4 M	1.5M	124 Lux	∅ 5.1 M	2M	70 Lux	∅ 6.8 M	2.5M	44.8 Lux	∅ 8.5 M	3M	31.1 Lux	∅ 10.2 M	True White 10W 120°		
0.5M	604 Lux	∅ 1.7 M																																															
1M	151 Lux	∅ 3.4 M																																															
1.5M	67.1 Lux	∅ 5.1 M																																															
2M	37.7 Lux	∅ 6.8 M																																															
2.5M	24.1 Lux	∅ 8.5 M																																															
3M	16.7 Lux	∅ 10.2 M																																															
True White 10W 120°																																																	
0.5M	1120 Lux	∅ 1.7 M																																															
1M	280 Lux	∅ 3.4 M																																															
1.5M	124 Lux	∅ 5.1 M																																															
2M	70 Lux	∅ 6.8 M																																															
2.5M	44.8 Lux	∅ 8.5 M																																															
3M	31.1 Lux	∅ 10.2 M																																															
True White 10W 120°																																																	
			<table border="1"> <tr><td>0.5M</td><td>530 Lux</td><td>∅ 1.7 M</td></tr> <tr><td>1M</td><td>132.5 Lux</td><td>∅ 3.4 M</td></tr> <tr><td>1.5M</td><td>58.8 Lux</td><td>∅ 5.1 M</td></tr> <tr><td>2M</td><td>33.1 Lux</td><td>∅ 6.8 M</td></tr> <tr><td>2.5M</td><td>21.2 Lux</td><td>∅ 8.5 M</td></tr> <tr><td>3M</td><td>14.7 Lux</td><td>∅ 10.2 M</td></tr> <tr><td colspan="3">Warm White 10W 120°</td></tr> </table>	0.5M	530 Lux	∅ 1.7 M	1M	132.5 Lux	∅ 3.4 M	1.5M	58.8 Lux	∅ 5.1 M	2M	33.1 Lux	∅ 6.8 M	2.5M	21.2 Lux	∅ 8.5 M	3M	14.7 Lux	∅ 10.2 M	Warm White 10W 120°						<table border="1"> <tr><td>0.5M</td><td>1028 Lux</td><td>∅ 1.7 M</td></tr> <tr><td>1M</td><td>257 Lux</td><td>∅ 3.4 M</td></tr> <tr><td>1.5M</td><td>114.2 Lux</td><td>∅ 5.1 M</td></tr> <tr><td>2M</td><td>64.2 Lux</td><td>∅ 6.8 M</td></tr> <tr><td>2.5M</td><td>41.1 Lux</td><td>∅ 8.5 M</td></tr> <tr><td>3M</td><td>28.5 Lux</td><td>∅ 10.2 M</td></tr> <tr><td colspan="3">Warm White 10W 120°</td></tr> </table>	0.5M	1028 Lux	∅ 1.7 M	1M	257 Lux	∅ 3.4 M	1.5M	114.2 Lux	∅ 5.1 M	2M	64.2 Lux	∅ 6.8 M	2.5M	41.1 Lux	∅ 8.5 M	3M	28.5 Lux	∅ 10.2 M	Warm White 10W 120°		
0.5M	530 Lux	∅ 1.7 M																																															
1M	132.5 Lux	∅ 3.4 M																																															
1.5M	58.8 Lux	∅ 5.1 M																																															
2M	33.1 Lux	∅ 6.8 M																																															
2.5M	21.2 Lux	∅ 8.5 M																																															
3M	14.7 Lux	∅ 10.2 M																																															
Warm White 10W 120°																																																	
0.5M	1028 Lux	∅ 1.7 M																																															
1M	257 Lux	∅ 3.4 M																																															
1.5M	114.2 Lux	∅ 5.1 M																																															
2M	64.2 Lux	∅ 6.8 M																																															
2.5M	41.1 Lux	∅ 8.5 M																																															
3M	28.5 Lux	∅ 10.2 M																																															
Warm White 10W 120°																																																	

Residential and Commercial LED LIGHTING



Brighter and Greener THINK Series 3

think
LED lighting

■ FEATURES

- » High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy.
- » 100% aluminum heat fins and design ensure outstanding heat dissipation.
- » Proprietary power design assures stability and endurance.
- » Awarded multiple international safety certificates and patents.



■ SPECIFICATIONS

• Module	MR16																														
• Beam Angle	38°	60°	120°																												
• Chipset Luminaire	<table border="1"> <tr> <td>Power Consumption (Watts)</td> <td>1 Watts</td> <td>3 Watts</td> <td>7 Watts</td> </tr> <tr> <td>• Color</td> <td> inside</td> <td> inside</td> <td> inside</td> </tr> <tr> <td>True White (Max.)</td> <td>120 lm</td> <td>200 lm</td> <td>475 lm</td> </tr> <tr> <td>Warm White (Max.)</td> <td>70 lm</td> <td>125 lm</td> <td>355 lm</td> </tr> <tr> <td>Red (Max.)</td> <td>50 lm</td> <td>100 lm</td> <td></td> </tr> <tr> <td>Green (Max.)</td> <td>120 lm</td> <td>200 lm</td> <td></td> </tr> <tr> <td>Blue (Max.)</td> <td>35 lm</td> <td>65 lm</td> <td></td> </tr> </table>			Power Consumption (Watts)	1 Watts	3 Watts	7 Watts	• Color	inside	inside	inside	True White (Max.)	120 lm	200 lm	475 lm	Warm White (Max.)	70 lm	125 lm	355 lm	Red (Max.)	50 lm	100 lm		Green (Max.)	120 lm	200 lm		Blue (Max.)	35 lm	65 lm	
Power Consumption (Watts)	1 Watts	3 Watts	7 Watts																												
• Color	inside	inside	inside																												
True White (Max.)	120 lm	200 lm	475 lm																												
Warm White (Max.)	70 lm	125 lm	355 lm																												
Red (Max.)	50 lm	100 lm																													
Green (Max.)	120 lm	200 lm																													
Blue (Max.)	35 lm	65 lm																													
*All lumen data from chipset manufacturers.																															

■ FLUX AT DISTANCE

• True White 7W 38°

0.5M	4808 Lux	∅ 0.34M
1M	1201 Lux	∅ 0.68M
1.5M	533.8 Lux	∅ 1.02M
2M	300.2 Lux	∅ 1.36M
2.5M	192.1 Lux	∅ 1.7M
3M	133.4 Lux	∅ 2.04M

• Warm White 7W 38°

0.5M	4624 Lux	∅ 0.34M
1M	1156 Lux	∅ 0.68M
1.5M	513.7 Lux	∅ 1.02M
2M	289 Lux	∅ 1.36M
2.5M	184.9 Lux	∅ 1.7M
3M	128.4 Lux	∅ 2.04M

Residential and Commercial LED LIGHTING















Brighter and Greener THINK Series 3

think
LED lighting

THINK Series 3 is majorly used for international standards of MR16-E11, E14, E26/27, E26/24, GX5.3/GU5.3, GU10/GZ10. It is suitable for all MR16 series in different bases for indoor luminaires.

■ BASE INFORMATION

• Base	E11		E14 *Euro		GU10/GZ10	
• Dimension (mm)	 *M01: 50.5x68.6	 *M02: 49.7x68.6	 *M01: 50.5x78	 *M02: 49.7x78	 *M01: 50.5x56.9	 *M02: 49.7x56.9
• Weight	48 g		48 g		40 g	
• Working Voltage	100 ~ 240V AC		100 ~ 240V AC		100 ~ 240V AC	
• Base	E26/27 *Euro		E26/24 *US		GX5.3/GU5.3	
• Dimension (mm)	 *M01: 50.5x57.9	 *M02: 49.7x57.9	 *M01: 50.5x57.9	 *M02: 49.7x57.9	 *M01: 50.5x45.5	 *M02: 49.7x45.5
• Weight	48 g		48 g		25 g	
• Working Voltage	100 ~ 240V AC		100 ~ 240V AC		12V AC/DC	

NOTES

- *M01: The format of M01 is the most effective design of thermal conductivity within the MR16 series.
- *M02: In compliance with ANSI standard, can be installed in any MR16 fixtures.
- *E14 also have American standard screw base.

Residential and Commercial LED LIGHTING



Brighter and Greener THINK Series 4

think
LED lighting

■ FEATURES

- » High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy.
- » 100% aluminum heat fins and design ensure outstanding heat dissipation.
- » Proprietary power design assures stability and endurance.
- » Awarded multiple international safety certificates and patents.



■ SPECIFICATIONS

Module	MR16			
Power Consumption (Watts)	7Watts	5Watts	7Watts	7Watts
Beam Angle	25°	38°	25°	38°
Chipset Luminaire				
Color				
True White (Max.)	520 lm	342 lm	520 lm	400 lm
Natural White (Max.)	455 lm	342 lm	420 lm	400 lm
Warm White (Max.)	420 lm	214 lm	400 lm	250 lm
Red (Max.)		163 lm	160 lm	190 lm
Green (Max.)		342 lm	400 lm	400 lm
Blue (Max.)		111 lm	120 lm	130 lm

*All lumen data from chipset manufacturers.

■ FLUX AT DISTANCE

• True White 7W 38°

Distance (M)	Beam Diameter (Ø)	Lux
0.5M	0.22M	8640 Lux
1M	0.44M	2160 Lux
1.5M	0.66M	960 Lux
2M	0.88M	540 Lux
2.5M	1.1M	345.6 Lux
3M	1.32M	240 Lux

• Warm White 7W 38°

Distance (M)	Beam Diameter (Ø)	Lux
0.5M	0.22M	7920 Lux
1M	0.44M	1980 Lux
1.5M	0.66M	880 Lux
2M	0.88M	495 Lux
2.5M	1.1M	316.8 Lux
3M	1.32M	220 Lux

Residential and Commercial LED LIGHTING















Brighter and Greener THINK Series 4

think
LED lighting

THINK Series 4 is majorly used for international standards of MR16-E11, E14, E26/27, E26/24, GX5.3/GU5.3, GU10/GZ10. It is suitable for all MR16 series in different bases for indoor luminaires.

■ BASE INFORMATION

• Base	E11		E14 *Euro		GU10/GZ10	
• Dimension (mm)	 *M01: 50.5x68.6	 *M02: 49.7x68.6	 *M01: 50.5x78	 *M02: 49.7x78	 *M01: 50.5x56.9	 *M02: 49.7x56.9
• Weight	48 g		48 g		40 g	
• Working Voltage	100 ~ 240V AC		100 ~ 240V AC		100 ~ 240V AC	
• Base	E26/27 *Euro		E26/24 *US		GX5.3/GU5.3	
• Dimension (mm)	 *M01: 50.5x57.9	 *M02: 49.7x57.9	 *M01: 50.5x57.9	 *M02: 49.7x57.9	 *M01: 50.5x45.5	 *M02: 49.7x45.5
• Weight	48 g		48 g		25 g	
• Working Voltage	100 ~ 240V AC		100 ~ 240V AC		12V AC/DC	

NOTES

- *M01: The format of M01 is the most effective design of thermal conductivity within the MR16 series.
- *M02: In compliance with ANSI standard, can be installed in any MR16 fixtures.
- *E14 also have American standard screw base.

Residential and Commercial LED LIGHTING



Brighter and Greener MR16 Globe

think
LED lighting

■ FEATURES

- » Fits various environments with a 180° beam angle
- » 100% aluminum heat fins and design ensure outstanding heat dissipation.
- » Proprietary power design assures stability and endurance.
- » Patented design conforms to international safety certificates and patents



■ SPECIFICATIONS

• Module	MR16					
• Beam Angle						
• Chipset Luminaire	THINK SERIES 1		THINK SERIES 2	THINK SERIES 3		
• series				1 Watts	3 Watts	7 Watts
• Power Consumption (Watts)	5 Watts	7 Watts	7 Watts			
• Color						
True White (Max.) ○	220 lm	250 lm	350 lm	120 lm	200 lm	475 lm
Warm White (Max.) ●	150 lm	170 lm	280 lm	70 lm	125 lm	355 lm
Red (Max.) ●	120 lm	140 lm	—	50 lm	100 lm	—
Green (Max.) ●	140 lm	170 lm	—	120 lm	200 lm	—
Blue (Max.) ●	70 lm	80 lm	—	35 lm	65 lm	—

*All lumen data from chipset manufacturers.

Residential and Commercial LED LIGHTING



Brighter and Greener MR16 Globe







think
LED lighting

■ FLUX AT DISTANCE

• V1 True White 7W 180°		• V1 Warm White 7W 180°	
0.5M	154 Lux	0.5M	113.2 Lux
1M	38.5 Lux	1M	28.3 Lux
1.5M	17.1 Lux	1.5M	12.5 Lux
2M	9.6 Lux	2M	7 Lux

MR16 Globe is majorly used for international standards of MR16-E11, E14, E26/27, E26/24, GX5.3/GU5.3, GU10/GZ10. It is suitable for all MR16 series in different bases for indoor luminaires.

■ BASE INFORMATION

• Base	E11	E14 *Euro	GU10/GZ10	E26/27 *Euro	E26/24 *US	GX5.3/GU5.3
• Dimension (mm)	 M01 : 50.5x93.6	 M01 : 50.5x103	 M01 : 50.5x81.9	 M01 : 50.5x82.9	 M01 : 50.5x82.9	 M01 : 50.5x70.5
• Weight	48 g	48 g	40 g	48 g	48 g	25 g
• Working Voltage	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC	12V AC/DC

NOTES *E14 also have American standard screw base.