



LED REFLECTOR



LED REFLECTOR - 220-240V | Line Voltage

PAR16

Perfect replacement for 35W and 50W halogen PAR16

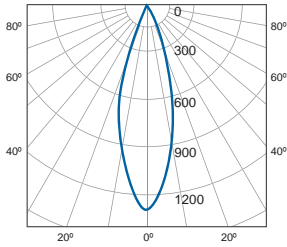
Employing Thermal Conductive Highway™ (TCH) technology, these lamps deliver powerful light output of up to 1300cd with power consumption of only 6W and a 24° beam angle.

- True replacement for 35W and 50W halogen PAR16 by 6W and 8W versions
- 100% to 10% linear dimming version available*
- High colour rendering of up to Ra85
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour temperature consistency: tolerance is only +/-100K
- Long lamp life of 25,000 hours
- Energy savings of up to 84%
- Save more energy consumption when lamp is dimmed
- Operating temperature: -30°C to +40°C

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



i

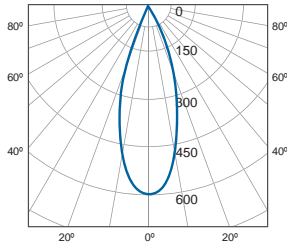


m	Lux	Ø cm
0.5	5200	21
1	1300	43
1.5	578	64
2	325	85

Beam angle = 24°



ii

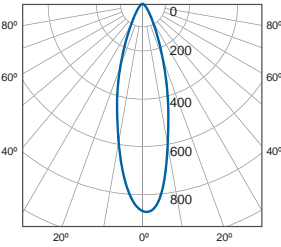


m	Lux	Ø cm
0.5	2400	32
1	600	63
1.5	267	95
2	150	126

Beam angle = 35°



iii

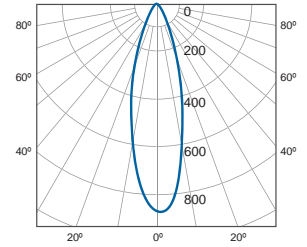


m	Lux	Ø cm
0.5	3600	32
1	900	63
1.5	400	95
2	225	126

Beam angle = 35°



iv



m	Lux	Ø cm
0.5	3600	32
1	900	63
1.5	400	95
2	225	126

Beam angle = 35°

Product Code	Voltage (V)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
LR1506-35H24D-GU10-2800K-230V	220-240	6	25000	1300	24	300	82	50	64	70	N/A	i
LR1506-35H24D-GU10-4000K-230V	220-240	6	25000	1300	24	300	85	50	64	70	N/A	i
LR1506-35H35D-GU10-2800K-230V	220-240	6	25000	600	35	300	82	50	64	70	N/A	ii
LR1506-35H35D-GU10-4000K-230V	220-240	6	25000	600	35	300	85	50	64	70	N/A	iii
LR0408-50H35D-GU10-2800K-230V	220-240	8	25000	900	35	330	80	50	74	106	N/A	iii
LR0408-50H35D-GU10-4000K-230V	220-240	8	25000	900	35	330	82	50	74	106	N/A	iii
LR1108d-50H35D-GU10-2800K-230V	220-240	8	25000	900	35	380	80	50	79	120	100-10%*	iv
LR1108d-50H35D-GU10-4000K-230V	220-240	8	25000	900	35	380	82	50	79	120	100-10%*	iv

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



LED REFLECTOR - 220-240V | Line Voltage PAR20

True replacement for 50W halogen PAR20 with linear dimming feature available

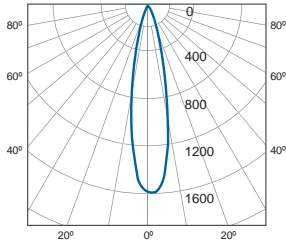
With MEGAMAN® patented LED design and Thermal Conductive Highway™ (TCH) technology, the LED PAR20 delivers superb lighting performance with low heat output, making it a flawless replacement for a 50W halogen PAR20.

- Eco-friendly replacement for 50W halogen PAR20
- 100% to 10% linear dimming version available*
- High colour rendering of up to Ra85
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour temperature consistency: tolerance is only +/-100K
- Long lamp life of 25,000 hours
- Energy savings of 84%
- Greatly save energy when lamp is dimmed
- Operating temperature: -30°C to +40°C

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



i

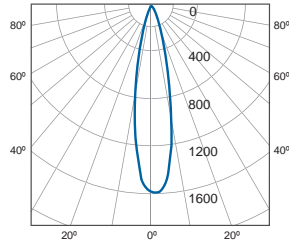


m	Lux	Ø cm
0.5	6400	27
1	1600	54
1.5	711	80
2	400	107

Beam angle = 30°



ii



m	Lux	Ø cm
0.5	6400	27
1	1600	54
1.5	711	80
2	400	107

Beam angle = 30°

Product Code	Voltage (V)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
LR0308-50H30D-E27-2800K-230V	220-240	8	25000	1600	30	430	82	65	95	140	N/A	i
LR0308-50H30D-E27-4000K-230V	220-240	8	25000	1600	30	430	85	65	95	140	N/A	i
LR0308d-50H30D-E27-2800K-230V	220-240	8	25000	1600	30	430	82	65	95	167	100-10%*	ii
LR0308d-50H30D-E27-4000K-230V	220-240	8	25000	1600	30	430	85	65	95	167	100-10%*	ii

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



LED REFLECTOR - 220-240V | Line Voltage

PAR30S & PAR30

Excel in high energy savings, best replacement for 75W halogen PAR30S and 100W halogen PAR30

The MEGAMAN® LED PAR30S and LED PAR30 reflector offers an eco-solution with superb lighting performance to replace halogen PAR30S and PAR30. These LED reflector offers up to 85% energy savings and high lumen maintenance, greatly reducing your maintenance costs and electricity bill.

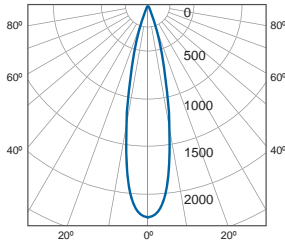
- Best replacement for 75W halogen PAR30S and 100W halogen PAR30
- Has an outlook similar to a halogen PAR30S, which facilitates a direct retrofit solution
- 100% to 10% linear dimming version available*
- High colour rendering of up to Ra92
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour temperature consistency: tolerance is only +/-100K
- Long lamp life of 30,000 hours
- Significant energy savings of 85% and low maintenance costs
- Operating temperature: -30°C to +40°C

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.





i

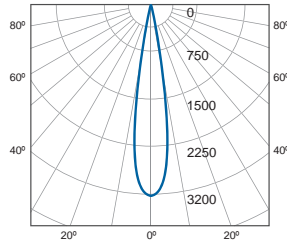


m	Lux	Ø cm
0.5	6400	27
1	2300	54
1.5	711	80
2	400	107

Beam angle = 30°



ii



m	Lux	Ø cm
0.5	12800	21
1	3200	43
1.5	1422	64
2	800	85

Beam angle = 24°

Product Code

Product Code	Voltage (V)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
LR1412d-75H30D-E27-2800K-230V	220-240	12	30000	2300	30	600	82	95	88	260	100-10%*	i
LR1412d-75H30D-E27-4000K-230V	220-240	12	30000	2300	30	600	85	95	88	260	100-10%*	i
LR0215-100H24D-E27-2800K-230V	220-240	15	30000	3200	24	530	85	96	102	239	N/A	ii
LR0215-100H24D-E27-4000K-230V	220-240	15	30000	3200	24	530	92	96	102	239	N/A	ii
LR0215d-100H24D-E27-2800K-230V	220-240	15	30000	3200	24	530	85	96	102	230	100-10%*	ii
LR0215d-100H24D-E27-4000K-230V	220-240	15	30000	3200	24	530	92	96	102	230	100-10%*	ii

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



LED REFLECTOR - 220-240V | Line Voltage PAR38

Delivers powerful light output without the shortcomings of equivalent halogen or metal halide solutions

With a powerful luminous intensity, LED PAR38 reflectors are the perfect replacements for halogen and metal halides to illuminate extensive areas.

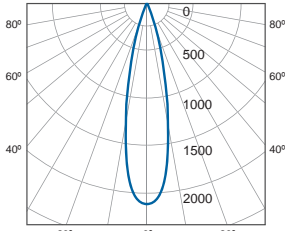
- IP54-rated outdoor version available, the LED PAR38 reflector in 16W provides superb lighting performance to replace 100W halogen PAR38.
- Powerful luminous intensity of up to 6800cd; provides a true replacement for 75W halogen PAR38 and 25W metal halide PAR38 by 15W and 20W versions
- 100% to 10% linear dimming version in 20W available*
- Instant start capable – reaches the declared colour temperature at the time of switching on, while metal halides deliver greenish colour when starting up
- High color rendering of up to Ra85
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- Up to 84% energy savings
- Operating temperature: -30°C to +40°C

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.





i

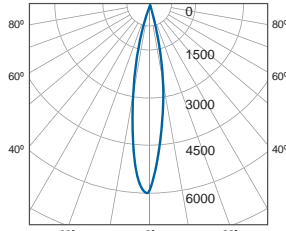


m	Lux	Ø cm
0.5	8800	27
1	2200	54
1.5	978	80
2	550	107

Beam angle = 30°



ii

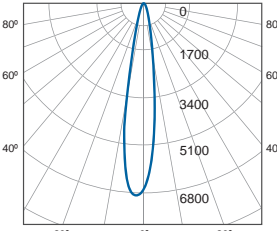


m	Lux	Ø cm
0.5	24000	22
1	6000	44
1.5	2667	67
2	15000	89

Beam angle = 25°



iii

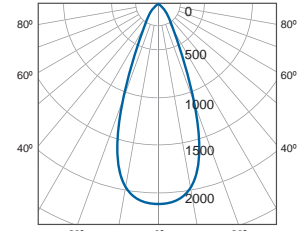


m	Lux	Ø cm
0.5	27200	22
1	6800	44
1.5	3022	67
2	1700	89

Beam angle = 25°



iv



m	Lux	Ø cm
0.5	8800	41
1	2200	83
1.5	978	124
2	550	166

Beam angle = 45°

Product Code	Voltage (V)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
LR0915-75H30D-E27-2800K-230V	220-240	15	30000	2200	30	630	82	121	133	458	N/A	i
LR0915-75H30D-E27-4000K-230V	220-240	15	30000	2200	30	630	85	121	133	458	N/A	i
LR1916-FL-E27-2800K-230V	220-240	16	25000	6000	25	950	80	121	133	461	N/A	ii
LR1916-FL-E27-4000K-230V	220-240	16	25000	6000	25	950	80	121	133	461	N/A	ii
LR0920-25M25D-E27-2800K-230V	220-240	20	30000	6800	25	1200	82	121	133	485	N/A	iii
LR0920-25M25D-E27-4000K-230V	220-240	20	30000	6800	25	1200	85	121	133	485	N/A	iii
LR0920d-25M25D-E27-2800K-230V	220-240	20	30000	6800	25	1200	82	121	133	490	100-10%*	iii
LR0920d-25M25D-E27-4000K-230V	220-240	20	30000	6800	25	1200	85	121	133	490	100-10%*	iii
LR0920-25M45D-E27-2800K-230V	220-240	20	30000	2200	45	1200	82	121	133	485	N/A	iv
LR0920-25M45D-E27-4000K-230V	220-240	20	30000	2200	45	1200	85	121	133	485	N/A	iv
LR0920d-25M45D-E27-2800K-230V	220-240	20	30000	2200	45	1200	82	121	133	490	100-10%*	iv
LR0920d-25M45D-E27-4000K-230V	220-240	20	30000	2200	45	1200	85	121	133	490	100-10%*	iv

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



LED REFLECTOR - 220-240V | Line Voltage

AR111

Eco-lighting solution for halogen AR111 replacement with linear dimming version available

Powered by MEGAMAN® patented Thermal Conductive Highway™ (TCH) technology, the MEGAMAN® LED AR111 reflector is able to achieve an excellent luminous intensity with different beam angle options available.

- Perfect replacement for 50W and 75W halogen AR111
- 100% to 10% linear dimming version available*
- High color rendering of up to Ra92
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour temperature consistency: tolerance is only +/-100K
- Impressive 30,000 hours lamp life reduces re-lamping costs
- Save more energy when lamp is dimmed
- Operating temperature: -30°C to +40°C

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



NEW

NEW

i



ii



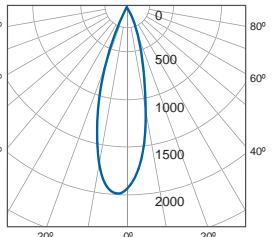
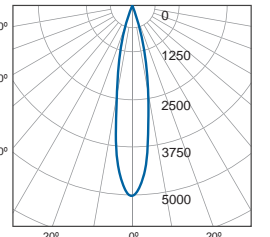
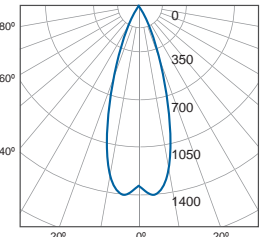
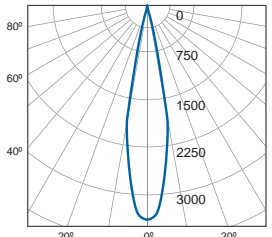
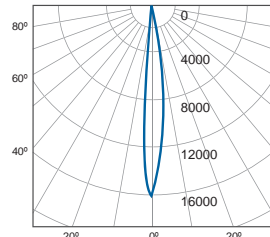
iii



iv



v



m	Lux	∅ cm
0.5	64000	7
1	16000	14
1.5	7111	21
2	4000	28

Beam angle = 8°

m	Lux	∅ cm
0.5	14400	21
1	3600	43
1.5	1600	64
2	900	85

Beam angle = 24°

m	Lux	∅ cm
0.5	5600	41
1	1400	83
1.5	622	124
2	350	166

Beam angle = 45°

m	Lux	∅ cm
0.5	20000	21
1	5000	43
1.5	2222	64
2	1250	85

Beam angle = 24°

m	Lux	∅ cm
0.5	8000	41
1	2000	83
1.5	889	124
2	500	166

Beam angle = 45°

Product Code	Voltage (V)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
LR0815-50H08D-GU10-2800K-230V	220-240	15	30000	16000	8	450	85	111	94	264	N/A	i
LR0815-50H08D-GU10-4000K-230V	220-240	15	30000	16000	8	450	92	111	94	264	N/A	i
LR0115-50H24D-GU10-2800K-230V	220-240	15	30000	3600	24	530	82	111	94	245	N/A	ii
LR0115-50H24D-GU10-4000K-230V	220-240	15	30000	3600	24	530	85	111	94	245	N/A	ii
LR0615-50H45D-GU10-2800K-230V	220-240	15	30000	1400	45	570	82	111	94	245	N/A	iii
LR0615-50H45D-GU10-4000K-230V	220-240	15	30000	1400	45	570	85	111	94	245	N/A	iii
LR1615d-75H24D-GU10-2800K-230V†	220-240	15	30000	5000	24	950	82	111	89	276	100-10%*	iv
LR1615d-75H24D-GU10-4000K-230V†	220-240	15	30000	5000	24	950	85	111	89	276	100-10%*	iv
LR1815d-75H45D-GU10-2800K-230V†	220-240	15	30000	2000	45	950	82	111	89	276	100-10%*	v
LR1815d-75H45D-GU10-4000K-230V†	220-240	15	30000	2000	45	950	85	111	89	276	100-10%*	v

† Preliminary data
 * Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.



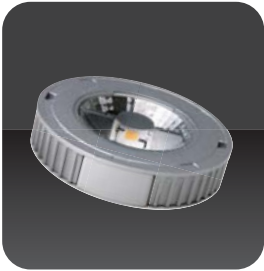
LED REFLECTOR- 220-240V | Line Voltage GX53

Integral LED cabinet lighting with incredible slim profile

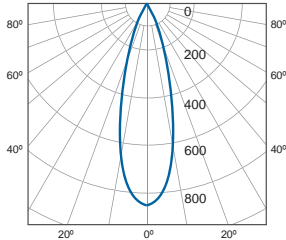
The MEGAMAN® LED GX53 reflector has an ultra slim profile, which is an innovative solution for slim surface mounted luminaires and recessed fittings that have long been haunted by blazing-heat halogens, causing overheating, discoloration and deformation to furniture and display items.

- Integral LED cabinet lighting with GX53 lamp base
- Ultra slim profile: lamp length is only 25mm
- High luminous efficacy: 70lm/W
- Long lamp life of 30,000 hours
- High colour temperature consistency: tolerance is well controlled with only +/-100K
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at 50,000 hours
- High colour rendering of up to Ra85
- Operating temperature: -30°C to +40°C





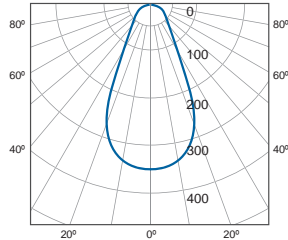
i



m	Lux	Ø cm
0.5	3400	27
1	850	54
1.5	378	80
2	213	107

Beam angle = 30°

ii



m	Lux	Ø cm
0.5	1400	58
1	350	115
1.5	156	173
2	88	231

Beam angle = 60°

Product Code

Product Code	Voltage (V)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
LR1305-30D-GX53-2800K-230V	220-240	5	30000	850	30	350	82	75	25	82	N/A	i
LR1305-30D-GX53-4000K-230V	220-240	5	30000	850	30	350	85	75	25	82	N/A	i
LR1305-60D-GX53-2800K-230V	220-240	5	30000	350	60	350	82	75	25	82	N/A	ii
LR1305-60D-GX53-4000K-230V	220-240	5	30000	350	60	350	85	75	25	82	N/A	ii



LED REFLECTOR - 12V | Driven by Halogen Transformer

MR16

An eco-conscious lighting solution with the same compact profile of halogen MR16

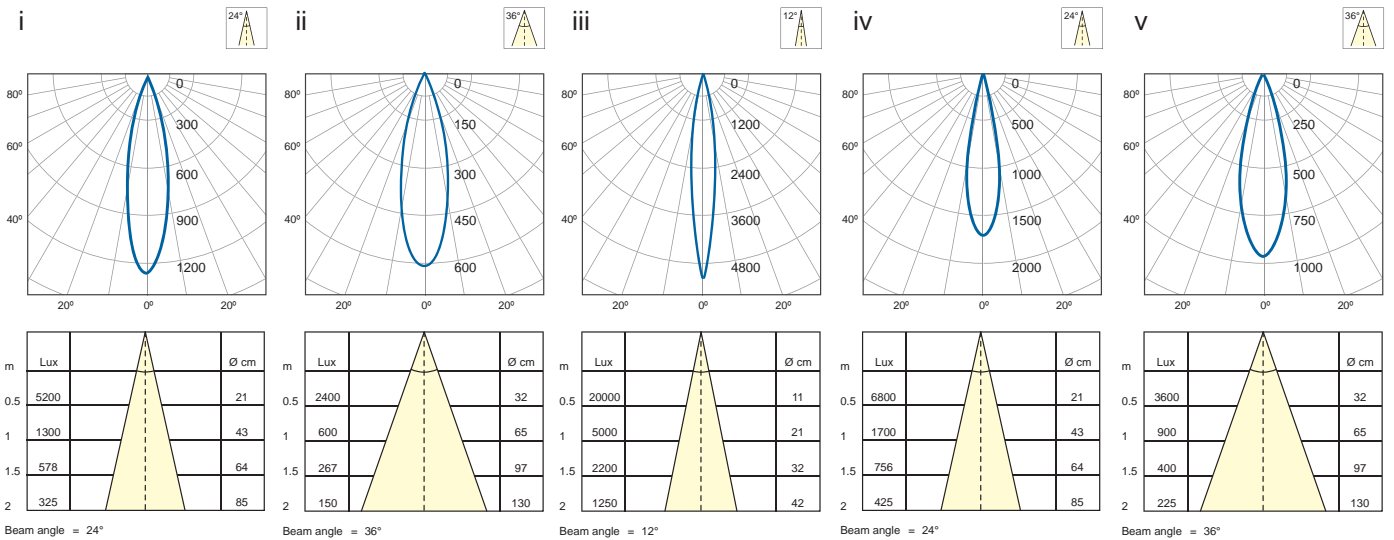
Designed for standard MR16 applications, the MEGAMAN® LED MR16 reflector is compact and has an outlook similar to a halogen MR16 which is familiar to customers. Together with the special feature of working with the most common AC/DC 12V halogen transformer*, the lamp is the most conventional and perfect substitute for the halogen MR16.

- Delivers supreme light output up to 5000cd with 8W power consumption and a 12° beam angle which is an ideal alternative to the 50W halogen MR16
- 100% to 10% linear dimming version available#
- Excellent in colour rendering of up to Ra85
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour temperature consistency: tolerance is only +/-100K
- Long lamp life of 25,000 hours
- Operating temperature: -30°C to +40°C
- Alternative to halogen transformer for 6W version is LED constant voltage converter, applicable model from MEGAMAN® is LD0106-K12^

* Please visit www.megaman.cc/RHT for the list of recommended halogen transformers.

Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.

^ Please refer to page 50 for details.



Product Code	Voltage (V)	Input Current (mA)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
ER1006-35H24D-GU5.3-2800K-12V	12	750	6	25000	1300	24	240	82	50	51	60	N/A	i
ER1006-35H24D-GU5.3-4000K-12V	12	750	6	25000	1300	24	240	85	50	51	60	N/A	i
ER1006-35H36D-GU5.3-2800K-12V	12	750	6	25000	600	36	240	82	50	51	60	N/A	ii
ER1006-35H36D-GU5.3-4000K-12V	12	750	6	25000	600	36	240	85	50	51	60	N/A	ii
ER1908d-35H12D-GU5.3-2800K-12V†	12	740	8	25000	5000	12	400	82	50	73	106	100-10%*	iii
ER1908d-35H12D-GU5.3-4000K-12V†	12	740	8	25000	5000	12	400	85	50	73	106	100-10%*	iii
ER1708d-50H24D-GU5.3-2800K-12V†	12	740	8	25000	1700	24	400	82	50	62	91	100-10%*	iv
ER1708d-50H24D-GU5.3-4000K-12V†	12	740	8	25000	1700	24	400	85	50	62	91	100-10%*	iv
ER1708d-50H36D-GU5.3-2800K-12V†	12	740	8	25000	900	36	400	82	50	62	91	100-10%*	v
ER1708d-50H36D-GU5.3-4000K-12V†	12	740	8	25000	900	36	400	85	50	62	91	100-10%*	v

† Preliminary data

* Please refer to page 9 for details. Compatible dimmer list is available at www.megaman.cc/LEDdimmers.

MEGAMAN® LED MR16 has a similar appearance to a halogen MR16:



MEGAMAN® LED MR16



Halogen MR16



LED REFLECTOR - 12V | Driven by Halogen Transformer

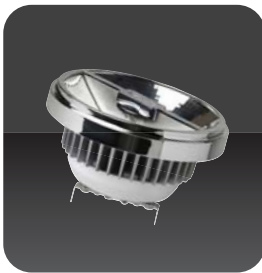
AR111

Powerful light output, the LED AR111 reflector works with most conventional halogen transformers*

The MEGAMAN® LED AR111 reflector works with the common AC/DC 12V halogen transformer* to deliver excellent lighting performance, and is a perfect alternative to the halogen AR111. Empowered by patented Thermal Conductive Highway™ (TCH) technology, the MEGAMAN® LED AR111 reflector is optimised for a long lifetime of 40,000 hours to lower maintenance costs and provides the highest luminance comparable to the halogen AR111.

- Best alternative to the 50W and 75W halogen AR111
- The all-new design with a glass cover for 15W version makes maintenance easy
- Deliver powerful light output up to 12000cd with power consumption of only 11W and a 8° beam angle
- High colour rendering of up to Ra85
- Long lamp life of 40,000 hours
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour temperature consistency: tolerance is only +/-100K
- Energy savings of 80%
- Operating temperature: -30°C to +40°C

* Please visit www.megaman.cc/RHT for the list of recommended halogen transformers.



NEW

NEW

i



ii



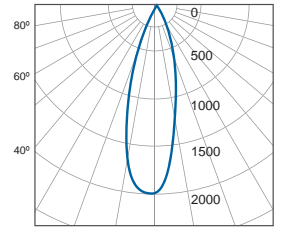
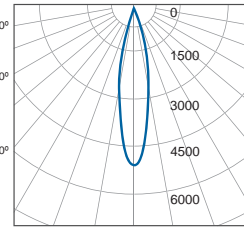
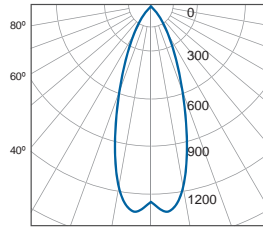
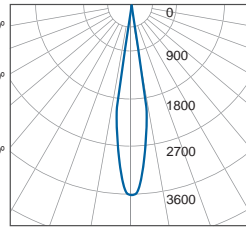
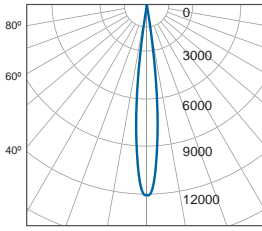
iii



iv



v



m	Lux	Ø cm
0.5	48000	7
1	12000	14
1.5	5333	21
2	3000	28

m	Lux	Ø cm
0.5	14400	21
1	3600	43
1.5	1600	64
2	900	85

m	Lux	Ø cm
0.5	5600	41
1	1400	83
1.5	622	124
2	350	166

m	Lux	Ø cm
0.5	20000	21
1	5000	43
1.5	2222	64
2	1250	85

m	Lux	Ø cm
0.5	8000	41
1	2000	83
1.5	889	124
2	500	166

Beam angle = 8°

Beam angle = 24°

Beam angle = 45°

Beam angle = 24°

Beam angle = 45°

Product Code	Voltage (V)	Input Current (mA)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Product Photo
ER1211-50H08D-G53-2800K-12V	12	960	11	40000	12000	8	450	82	111	83	282	N/A	i
ER1211-50H08D-G53-4000K-12V	12	960	11	40000	12000	8	450	85	111	83	282	N/A	i
ER1111-50H24D-G53-2800K-12V	12	960	11	40000	3600	24	530	82	111	83	267	N/A	ii
ER1111-50H24D-G53-4000K-12V	12	960	11	40000	3600	24	530	85	111	83	267	N/A	ii
ER1311-50H45D-G53-2800K-12V	12	960	11	40000	1400	45	570	82	111	83	265	N/A	iii
ER1311-50H45D-G53-4000K-12V	12	960	11	40000	1400	45	570	85	111	83	265	N/A	iii
ER2015-75H24D-G53-2800K-12V†	12	1700	15	40000	5000	24	950	82	111	62	265	N/A	iv
ER2015-75H24D-G53-4000K-12V†	12	1700	15	40000	5000	24	950	85	111	62	265	N/A	iv
ER2215-75H45D-G53-2800K-12V†	12	1700	15	40000	2000	45	950	82	111	62	265	N/A	v
ER2215-75H45D-G53-4000K-12V†	12	1700	15	40000	2000	45	950	85	111	62	265	N/A	v

† Preliminary data



LED REFLECTOR

- Constant Current | Driven by LED Converter

MR16

Excellent lighting performance with 100-1% linear dimming effect available

Empowered with patented Thermal Conductive Highway™ (TCH) technology, the MEGAMAN® LED MR16 reflectors in 8W and 10W deliver supreme light output of up to 5,000cd and are perfect substitutes for the 35W and 50W halogen respectively.

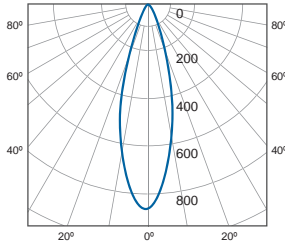
- Capable of linear dimming from 100% to 1%*
- Impressive lamp life of 30,000 hours reduces re-lamping costs
- High colour rendering of up to Ra85
- Colour temperature tolerance of only +/-100K
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- Up to 80% energy savings
- Save more energy when lamp is dimmed
- Operating temperature: -30°C to +40°C
- LED constant current converter is needed*

* Please refer to page 9 for details of linear dimming technology and page 48 for details of the LED converter.



DC1-10V
100-1%

i



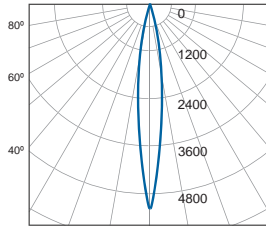
m	Lux	Ø cm
0.5	3600	32
1	900	65
1.5	400	97
2	225	130

Beam angle = 36°



DC1-10V
100-1%

ii



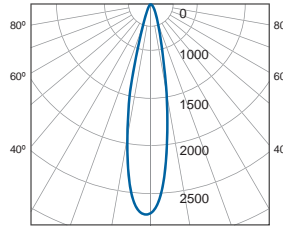
m	Lux	Ø cm
0.5	20000	11
1	5000	21
1.5	2222	32
2	1250	42

Beam angle = 12°



DC1-10V
100-1%

iii



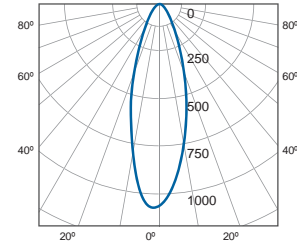
m	Lux	Ø cm
0.5	11200	21
1	2800	43
1.5	1244	64
2	700	85

Beam angle = 24°



DC1-10V
100-1%

iv



m	Lux	Ø cm
0.5	4800	32
1	1200	65
1.5	533	97
2	300	130

Beam angle = 36°

Product Code	Voltage (V)	Input Current (mA)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Suggested LED Converter(s)	Product Photo
ER0408-35H36D-GU5.3-2800K	20	420	8	30000	900	36	400	82	50	74	105	100-1%*	1	i
ER0408-35H36D-GU5.3-4000K	20	420	8	30000	900	36	400	85	50	74	105	100-1%*	1	i
ER1810-50H12D-GU5.3-2800K	20	460	10	30000	5000	12	580	82	50	82	108	100-1%*	2, 3	ii
ER1810-50H12D-GU5.3-4000K	20	460	10	30000	5000	12	580	85	50	82	108	100-1%*	2, 3	ii
ER0510-50H24D-GU5.3-2800K	20	460	10	30000	2800	24	500	82	50	82	123	100-1%*	2, 3	iii
ER0510-50H24D-GU5.3-4000K	20	460	10	30000	2800	24	500	85	50	82	123	100-1%*	2, 3	iii
ER0510-50H36D-GU5.3-2800K	20	460	10	30000	1200	36	510	82	50	82	123	100-1%*	2, 3	iv
ER0510-50H36D-GU5.3-4000K	20	460	10	30000	1200	36	510	85	50	82	123	100-1%*	2, 3	iv

LED Converter



LD0108x1v-C420



LD0110x1v-C460



LD0210x1v-C460

* Please refer to page 9 for details of linear dimming technology and page 48 for details of the LED converter.



LED REFLECTOR

- Constant Current | Driven by LED Converter

AR111

Excellent luminous intensity to provide best replacement for a traditional light source

Reaching a supreme luminous intensity, comparable to higher wattage metal halide and halogen equivalents, the MEGAMAN® LED AR111 series driven by LED converters is the flawless solution to replace 50W halogen and 20W metal halide by 10W and 16W versions.

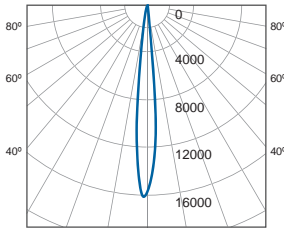
- Instant start capable – reaches the declared colour temperature at the time of switching on, while metal halides deliver greenish colour when starting up
- Hot re-strike capable
- Eliminates the risk of potential exposure to UV and radioactive Kr85 in case of lamp breakage
- Capable for linear dimming from 100% to 1%*
- Long lamp life of 40,000 hours
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour rendering of up to Ra92
- High colour temperature consistency: tolerance is only +/-100K
- Operating temperature: -30°C to +40°C
- LED constant current converter is needed*

* Please refer to page 9 for details of linear dimming technology and page 48 for details of the LED converter.



DC1-10V
100-1%

i



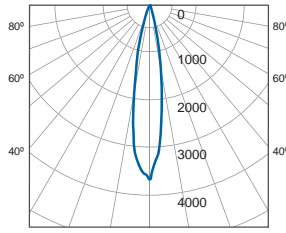
m	Lux	Ø cm
0.5	64000	7
1	16000	14
1.5	7111	21
2	4000	28

Beam angle = 8°



DC1-10V
100-1%

ii



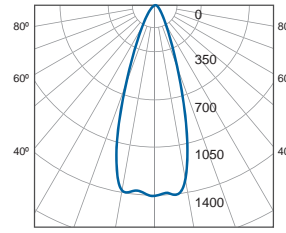
m	Lux	Ø cm
0.5	14400	21
1	3600	43
1.5	1600	64
2	900	85

Beam angle = 24°



DC1-10V
100-1%

iii



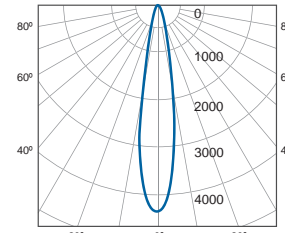
m	Lux	Ø cm
0.5	5600	41
1	1400	83
1.5	622	124
2	350	166

Beam angle = 45°



DC1-10V
100-1%

iv



m	Lux	Ø cm
0.5	17600	21
1	4400	43
1.5	1956	64
2	1100	85

Beam angle = 24°

Product Code	Voltage (V)	Input Current (mA)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Suggested LED Converter(s)	Product Photo
ER0210-50H08D-G53-2800K	20	500	10	40000	16000	8	450	82	111	63	189	100-1%*	1	i
ER0210-50H08D-G53-4000K	20	500	10	40000	16000	8	450	85	111	63	189	100-1%*	1	i
ER0110-50H24D-G53-2800K	20	500	10	40000	3600	24	530	82	111	63	180	100-1%*	1	ii
ER0110-50H24D-G53-4000K	20	500	10	40000	3600	24	530	85	111	63	180	100-1%*	1	ii
ER0310-50H45D-G53-2800K	20	500	10	40000	1400	45	570	82	111	63	165	100-1%*	1	iii
ER0310-50H45D-G53-4000K	20	500	10	40000	1400	45	570	85	111	63	165	100-1%*	1	iii
ER0716-20M24D-GX8.5-2800K	20	770	16	40000	4400	24	800	85	111	79	232	100-1%*	2	iv
ER0716-20M24D-GX8.5-4000K	20	770	16	40000	4400	24	800	92	111	79	232	100-1%*	2	iv

LED Converter



LD0310x1v-C500



LD0116x1v-C770

* Please refer to page 9 for details of linear dimming technology and page 48 for details of the LED converter.



LED REFLECTOR

- Constant Current | Driven by LED Converter

PAR30L

Superb lighting performance without the shortcomings of equivalent metal halide solutions

Employing patented Thermal Conductive Highway™ (TCH) technology, the LED PAR30L is optimised for a long lifetime of 40,000 hours to lower maintenance costs and provides the highest luminance comparable to its metal halide counterparts. It delivers desirable lighting performance of up to 4500cd with only 15W power consumption which is the best replacement for 20W metal halide.

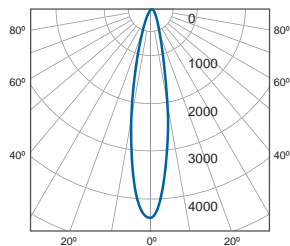
- Instant start capable – reaches the declared colour temperature at the time of switching on, while metal halides deliver greenish colour when starting up
- Hot re-strike capable
- Eliminates the risk of potential exposure to UV and radioactive Kr85 in case of lamp breakage
- Capable for linear dimming from 100% to 1%*
- Lifetime 40,000 hours, which is 3 times longer than equivalent metal halides
- High colour rendering of up to Ra85
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at 50,000 hours
- High colour temperature consistency: tolerance is only +/-100K
- Save more energy consumption when lamp is dimmed
- Operating temperature: -30°C to +40°C
- LED constant current converter is needed*

* Please refer to page 9 for details of linear dimming technology and page 48 for details of the LED converter.

LED REFLECTOR - Constant Current | Driven by LED Converter **PAR30L**



i



m	Lux	Ø cm
0.5	18000	22
1	4500	44
1.5	2000	67
2	1125	89

Beam angle = 25°

Product Code	Voltage (V)	Input Current (mA)	Wattage (W)	Lamp Life (hrs)	Maximum Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Diameter (mm)	Length (mm)	Weight (g)	Dimming Format	Suggested LED Converter(s)	Product Photo
ER0815-20M25D-E27-2800K	40	380	15	40000	4500	25	860	80	95	116	353	100-1%*	1	i
ER0815-20M25D-E27-4000K	40	380	15	40000	4500	25	860	85	95	116	353	100-1%*	1	i

LED Converter



LD0115x1v-C380

* Please refer to page 9 for details of linear dimming technology and page 48 for details of the LED converter.