

LED PAR16

Combining the benefits of the popular MEGAMAN® faceted reflector design with the total internal reflection of our optical reflector, MEGAMAN® is proud to offer a ground-breaking Hybrid Reflector solution with enhanced beam control and efficacy. The new LED PAR16 with Hybrid Reflector technology delivers superior performance with beautiful aesthetics – barely distinguishable from the familiar look of a halogen reflector, but with far higher efficiency.

Each dimmable lamp with the Hybrid Reflector technology comes with the latest MEGAMAN® U-DIM™ technology as a standard feature, which ensures these lamps can be used with the widest possible range of existing dimmers (compatible with both leading-edge and trailing-edge dimmers) with the enhanced dimming range from 100% right down to just 5%. For further information on the Hybrid Reflector and U-DIM™ technologies, please refer to pages 10-13.

Different from the multiple lens solutions in the market, the MEGAMAN® LED PAR16 reflector range uses three different methods to control light: dual axially mounted LEDs using a parabolic reflector with Hybrid Reflector, Thermal Conductive Highway™ (TCH) technology, optical reflector, and LED plus prismatic controller. This approach allows for all the associated advantages of precise beam control, high efficiency, excellent lighting performance, minimised spill light, and less glare.

To enhance to any lighting scheme, MEGAMAN® offers the LED PAR16 range with outstanding colour quality through our RichColour+ technology, unique Dim to Warm functionality, Step Dimming technology to dim the lamp with ordinary on/off switch, and even smart lighting control.

50W Alternatives



PAR16 / Professional Series



Hybrid Reflector

U-DIM™



Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label	Product Photo
LR5606dHR-50H24D ¹	6	2200	24	500	350	57	100-5%	A+	1
LR5907dHR-75H24D ¹	7	3200	24	700	500	57	100-5%	A+	2
LR5606dHR-50H35D ¹	6	1200	35	500	350	57	100-5%	A+	1
LR5907dHR-75H35D ¹	7	2000	35	700	500	57	100-5%	A+	2

Please refer to the website www.megaman.cc for the latest photometric and lux diagrams.



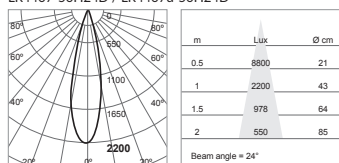
PAR16 / Professional Series

TCH

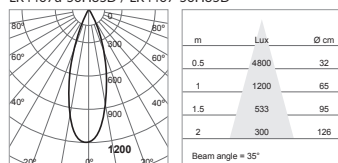


Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR4407d-50H24D	7	2200	24	450	330	64	100-10%	A
LR4407-50H24D	7	2200	24	500	335	64	No	A
LR4407d-50H35D	7	1200	35	450	330	64	100-10%	A
LR4407-50H35D	7	1200	35	500	335	64	No	A

LR4407-50H24D / LR4407d-50H24D



LR4407d-50H35D / LR4407-50H35D



Please refer to the website www.megaman.cc/user-guide for the compatible dimmer list.
¹ Preliminary Data

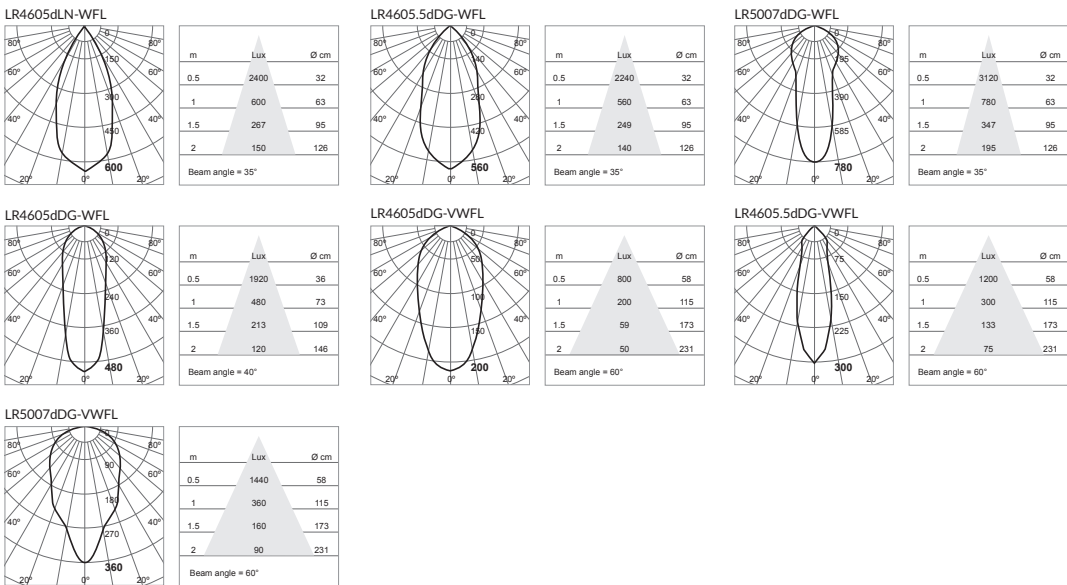
50W Alternatives



PAR16 / Smart Series



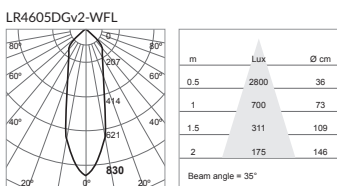
Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label	Product Photo
LR4605dLN-WFL ¹	NEW 5	600	35	345	265	57	100-5%	A+	1
LR4605.5dDG-WFL	5.5	560	35	500	345	57	100-5%	A+	2
LR5007dDG-WFL	7	780	35	700	460	57	100-10%	A+	3
LR4605dDG-WFL	5	480	40	360	265	57	100-5%	A+	2
LR4605dDG-VWFL	5	200	60	360	265	57	100-5%	A+	2
LR4605.5dDG-VWFL	5.5	300	60	500	345	57	100-5%	A+	2
LR5007dDG-VWFL	7	360	60	700	460	57	100-10%	A+	3



PAR16 / Economy Series



Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR4605DGv2-WFL	5	830	35	500	420	57	No	A++



Please refer to the website www.megaman.cc/user-guide for the compatible dimmer list.
¹ Preliminary Data



Smart Lighting The next chapter



50W Alternatives



PAR16 / Smart Series

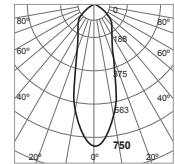
INGENIUM® BLU



Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR3808dB-T-WFL	8	750	35	540	410	65	100-10%	A

The PAR16 reflector LR3808dB-T-WFL is Bluetooth 4.0 enabled LED lamp.

LR3808dB-T-WFL



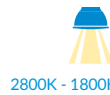
m	Lux	Ø cm
0.5	3000	32
1	750	65
1.5	333	95
2	188	126

Beam angle = 35°



PAR16 / Smart Series

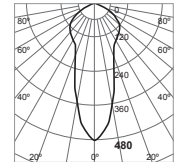
Dim to Warm



Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR5006wDG-WFL	6	480	35	400	280	57	100-5%	A

Please refer to the website www.megaman.cc/user-guide for the compatible dimmer list.

LR5006wDG-WFL



m	Lux	Ø cm
0.5	1920	32
1	480	63
1.5	213	95
2	120	126

Beam angle = 35°



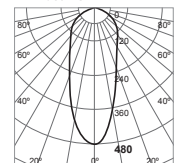
PAR16 / Smart Series

Step Dimming



Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR2106sDG-WFL	6	480	40	360	265	57	100%, 60%, 20%	A

LR2106sDG-WFL



m	Lux	Ø cm
0.5	1920	36
1	480	73
1.5	213	109
2	120	146

Beam angle = 40°



50W Alternatives



PAR16 / Professional Series



Hybrid Reflector

U-DIM™

Rich Colour+

Ra95



2800K | Ra95



4000K | Ra95



220-240V



25000 hrs



50mm



GU10



R9 value ≥75

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR5907dR9HR-75H24D NEW	7	2650	24	580	420	57	100-5%	A+
LR5907dR9HR-75H35D NEW	7	1650	35	580	420	57	100-5%	A+

Please refer to the website www.megaman.cc for the latest photometric and lux diagrams.

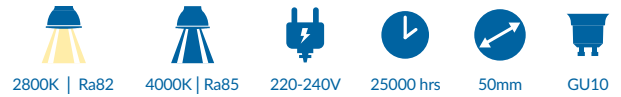


35W Alternatives



PAR16 / Professional Series

Hybrid Reflector



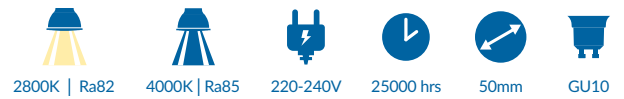
Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR5604HR-35H24D ¹	4	1300	24	350	250	57	No	A+
LR5604HR-35H35D ¹	4	600	35	350	250	57	No	A+

Please refer to the website www.megaman.cc for the latest photometric and lux diagrams.



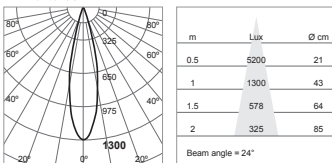
PAR16 / Professional Series

TCH

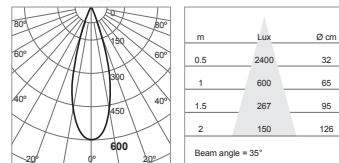


Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR4204.5-35H24D	4.5	1300	24	240	210	55	No	A
LR4204.5-35H35D	4.5	600	35	240	210	55	No	A

LR4204.5-35H24D



LR4204.5-35H35D



¹ Preliminary Data

35W Alternatives

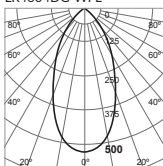


PAR16 / Economy Series

2800K | Ra80
 4000K | Ra80
 220-240V
 15000 hrs
 50mm
 GU10

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Luminous Flux in 120° cone (lm)	Length (mm)	Dimmable	Energy Label	Product Photo
LR4604DG-WFL	4	500	35	250	220	N/A	57	No	A+	1
LR4604.5DG-WFL	4.5	560	35	360	265	N/A	57	No	A+	1
LR4604DG-VWFL	4	300	60	250	220	N/A	57	No	A+	1
LR4604.5DG-VWFL	4.5	360	60	360	265	N/A	57	No	A+	1
LR2104DG-SWFL	4	160	90	250	220	230	57	No	A+	2

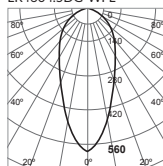
LR4604DG-WFL



m	Lux	Ø cm
0.5	2000	32
1	500	63
1.5	222	95
2	125	126

Beam angle = 35°

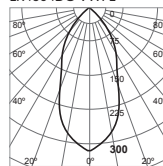
LR4604.5DG-WFL



m	Lux	Ø cm
0.5	2240	32
1	560	63
1.5	249	95
2	140	126

Beam angle = 35°

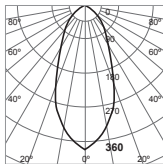
LR4604DG-VWFL



m	Lux	Ø cm
0.5	1200	58
1	300	115
1.5	133	173
2	75	231

Beam angle = 60°

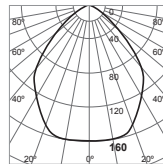
LR4604.5DG-VWFL



m	Lux	Ø cm
0.5	1400	58
1	360	115
1.5	160	173
2	90	231

Beam angle = 60°

LR2104DG-SWFL



m	Lux	Ø cm
0.5	640	100
1	160	200
1.5	71	300
2	40	400

Beam angle = 90°



PAR16 / Smart Series

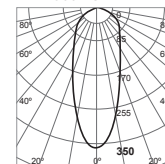


Step Dimming

2800K | Ra82
 4000K | Ra85
 220-240V
 25000 hrs
 50mm
 GU10

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
LR2105sDG-WFL	5	350	40	250	220	57	100%, 60%, 20%	A

LR2105sDG-WFL



m	Lux	Ø cm
0.5	1400	36
1	350	73
1.5	156	109
2	88	146

Beam angle = 40°