

# M-SERIES LAMPHEADS

## TECHNICAL DATA



M-Series Lamphead / Versions	M8	M18	M40	M90	ARRIMAX 18/12
Ident-No.	L1.37200.B	L1.37600.B	L1.37400.B	L1.37489.B	L1.37950.B
EB MAX Set*	L0.37200AS	L0.37600AS	L0.0019656	L0.0019658	L0.0019667
High Speed Set*	L0.37200HS	-	-	-	-
Basic Set*	-	L0.37600.B	L0.0019657	L0.0019659	L0.0019665 / L0.0019664 (Spot)
<b>Main Features</b>					
Type of Lamphead	Open Face	Open Face	Open Face	Open Face	Open Face
Reflector	MAX Technology Facetted Reflector	MAX Technology Facetted Reflector	MAX Technology Facetted Reflector	MAX Technology Facetted Reflector	MAX Technology Facetted Reflector
Wattage	800 W	1200 / 1800 W	2500 / 4000 W	6000 / 9000 W	12000 / 18000 W
Lamp Type	Metal Halide 800 W/SE	Metal Halide 1800 W/SE Metal Halide 1200 W/SE	Metal Halide 4000 W/SE Metal Halide 2500 W/SE	Metal Halide 9000 W/SE Metal Halide 6000 W/SE	Metal Halide 18000 W/SE Metal Halide 12000 W/SE
Lamp Base	G22	G38	G38	GX38	GX51 / GX38
UV Protection Glass Diameter	200 mm / 7.9"	276 mm / 10.9"	350 mm / 13.8"	500 mm / 19.7"	646 mm / 25.4"
Connector	International (VEAM)	International (VEAM)	International (VEAM)	International (VEAM)	International (VEAM)
<b>Technical Data of the Luminaire</b>					
Max. Operating Temperature	ta= 45° C / 113° F	ta= 45° C / 113° F	ta= 45° C / 113° F	ta= 40° C / 104° F	ta= 45° C / 113° F
Max. Surface Temperature	tc= max. 150° C / 302° F	tc= max. 160° C / 320° F	tc= max. 250° C / 482° F	tc= max. 200° C / 392° F	tc= max. 240° C / 464° F
Tolerable Inclination	max. 90° upwards / max. 90° downwards	max. 90° upwards / max. 90° downwards	max. 90° upwards / max. 90° downwards	max. 90° upwards / max. 90° downwards	max. 90° upwards / max. 75° downwards
Safe Distances	3.5 m / 11.5 ft. to illuminated surface 0.5 m / 1.6 ft. around the luminaire	7 m / 22.9 ft. to illuminated surface 1 m / 3.3 ft. around the luminaire	5 m / 16.4 ft. to illuminated surface 1 m / 3.3 ft. around the luminaire	10 m / 32.8 ft. to illuminated surface 2 m / 6.6 ft. around the luminaire	15 m / 49 ft. to illuminated surface 2 m / 6.6 ft. around the luminaire
Protective Class	I - Protective Earth	I - Protective Earth	I - Protective Earth	I - Protective Earth	I - Protective Earth
Protective Rate	IP23	IP23	IP23	IP23	IP23
<b>Specifications</b>					
Dimensions (incl. flange) (H x W x L)	476 x 350 x 319 mm / 18.7 x 13.8 x 12.5"	543 x 388 x 412 mm / 21.4 x 15.3 x 16.2"	724 x 505 x 524 mm / 28.5 x 19.9 x 20.6"	832 x 713 x 720 mm / 32.8 x 28.1 x 28.3"	1,051 x 784 x 942 mm / 41.4 x 30.9 x 37.1"
Packed Size (H x W x L)	440 x 400 x 460 mm / 17.3 x 15.7 x 18.1"	530 x 510 x 555 mm / 20.9 x 20.1 x 21.9"	660 x 595 x 665 mm / 26.0 x 23.4 x 26.6"	930 x 790 x 910 mm / 36.6 x 31.1 x 35.8"	1,135 x 1,050 x 1,170 mm / 44.7 x 41.3 x 46.1"
Weight	approx. 8.4 kg (18.52 lbs)	approx. 11.5 kg (25.36 lbs)	approx. 20.0 kg (43.97 lbs)	approx. 40.0 kg (87.09 lbs)	approx. 70.0 kg (152.56 lbs)
Packed Weight	approx. 10.7 kg (23.50 lbs)	approx. 14.9 kg (32.85 lbs)	approx. 24.0 kg (52.86 lbs)	approx. 47.0 kg (101.64 lbs)	approx. 86.0 kg (188.94 lbs)
Mounting	Spigot 28 mm / 1 1/8" (1.1")	Spigot 28 mm / 1 1/8" (1.1")	Spigot 28 mm / 1 1/8" (1.1")	Spigot 28 mm / 1 1/8" (1.1")	Spigot 28 mm / 1 1/8" (1.1")
Certification	CE, CB, GS, cNRTLus	CE, CB, ENEC, cNRTLus	CE, CB, GS, cNRTLus	CE, CB, GS, cNRTLus	CE, CB, GS, cNRTLus
<b>ARRI corresponding ballasts</b>					
MAX Range	EB MAX 1.8	EB MAX 1.8	EB MAX 2.5/4	EB MAX 6/9	EB MAX 12/18
Basic Range	-	EB 1200/1800	EB 2.5/4	EB 6/9	EB 12/18
High Speed Range	EB 575/800 HS	-	-	-	-
<b>Accessories</b>					
Accessory diameter	230 mm (9.1") / 245 mm (9.7")	330 mm (13.0") / 344 mm (13.5")	400 mm (15.8") / 413 mm (16.3")	571 mm (22.5") / 584 mm (23.0")	740 mm (29.1")
Accessories	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> 8-leaf barndoor</li> <li> Spill Ring</li> <li> Scrim</li> <li> Snoot</li> <li> Frosted Glass</li> <li> Filter Frame</li> <li> Chimera Lightbank</li> <li> Speed ring circular</li> </ul>	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> 8-leaf barndoor</li> <li> Spill Ring</li> <li> Scrim</li> <li> Snoot</li> <li> Frosted Glass</li> <li> Filter Frame</li> <li> Chimera Lightbank</li> <li> Speed ring circular</li> </ul>	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> 8-leaf barndoor</li> <li> Spill Ring</li> <li> Scrim</li> <li> Snoot</li> <li> Filter Frame</li> <li> Chimera Lightbank</li> <li> Speed ring circular</li> </ul>	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> Spill Ring</li> <li> Scrim</li> <li> Speed ring circular</li> </ul>	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> Spot Reflector</li> <li> Scrim</li> <li> Snoot</li> </ul>
<b>Photometrical Data</b>					
Distance	<b>5 m (16 ft.)</b> [Output / diameter]	<b>7 m (23 ft.)</b> [Output / diameter]	<b>7 m (23 ft.)</b> [Output / diameter]	<b>10 m (33 ft.)</b> [Output / diameter]	<b>15 m (49 ft.)</b> [Output / diameter]
Spot	15°: 16,200 lux / Ø 1.3 m	15°: 22,950 lux / Ø 1.8 m	18°: 40,300 lux / Ø 2.2 m	15°: 51,000 lux / Ø 2.61 m	15°: 55,300 lux / Ø 3.9 m
Medium	40°: 3,020 lux / Ø 3.6 m	40°: 4,325 lux / Ø 4.0 m	30°: 13,500 lux / Ø 3.6 m	30°: 14,450 lux / Ø 5.2 m	-
Flood	60°: 1,600 lux / Ø 5.8 m	58°: 2,245 lux / Ø 6.8 m	52°: 5,000 lux / Ø 6.1 m	49°: 7,590 lux / Ø 8.3 m	50°: 5,700 lux / Ø 12.7 m
Distance	<b>10 m (33 ft.)</b> [Output / diameter]	<b>10 m (33 ft.)</b> [Output / diameter]	<b>10 m (33 ft.)</b> [Output / diameter]	<b>20 m (66 ft.)</b> [Output / diameter]	<b>20 m (66 ft.)</b> [Output / diameter]
Spot	15°: 4,050 lux / Ø 2.6 m	15°: 11,250 lux / Ø 2.6 m	18°: 19,700 lux / Ø 3.1 m	15°: 12,750 lux / Ø 5.22 m	15°: 31,100 lux / Ø 5.3 m
Medium	40°: 755 lux / Ø 7.3 m	40°: 2,120 lux / Ø 6.8 m	30°: 6,500 lux / Ø 5.2 m	30°: 3,610 lux / Ø 10.35 m	-
Flood	60°: 400 lux / Ø 11.6 m	58°: 1,100 lux / Ø 9.7 m	52°: 2,450 lux / Ø 8.8 m	49°: 1,900 lux / Ø 16.6 m	50°: 3,210 lux / Ø 17.0 m
Distance	<b>15 m (49 ft.)</b> [Output / diameter]	<b>15 m (49 ft.)</b> [Output / diameter]	<b>15 m (49 ft.)</b> [Output / diameter]	<b>30 m (99 ft.)</b> [Output / diameter]	<b>30 m (99 ft.)</b> [Output / diameter]
Spot	15°: 1,800 lux / Ø 4.0 m	15°: 5,000 lux / Ø 3.9 m	18°: 8,750 lux / Ø 4.7 m	15°: 5,670 lux / Ø 7.9 m	15°: 13,800 lux / Ø 7.9 m
Medium	40°: 336 lux / Ø 10.9 m	40°: 940 lux / Ø 10.3 m	30°: 2,900 lux / Ø 7.8 m	30°: 1,600 lux / Ø 15.5 m	-
Flood	60°: 178 lux / Ø 17.3 m	58°: 490 lux / Ø 14.5 m	52°: 1,075 lux / Ø 13.2 m	49°: 840 lux / Ø 24.9 m	50°: 1,420 lux / Ø 25.4 m

\*Set including lamphead, ballast, cable, barndoor.  
All specifications are nominal / typical values.



For light output at any distance use  
our ARRI Photometrics App.

Please visit our website for the latest downloads and to find  
more information about the M-Series: [www.arri.com](http://www.arri.com)

