

M90 with MAX Technology

Main Features

- Light output matches a 12 kW PAR (with lens)
- As small and lightweight as a 6 kW PAR
- Can also be used with 6,000 W (120 V nominal) lamps and ballasts
- Tilt locks on both sides for the use with heavy accessories
- Easy maintenance
- Weather resistant IP23
- Suitable for high frame rate images

“Punches above its weight!”

Like all M-Series lampheads, the M90 is equipped with MAX Technology, a unique, patented reflector technology that unifies the advantages of Fresnel and PAR fixtures. The unit is open-face and thus very bright; in fact the light output produced with a 9,000 W lamp comes close to the output of a 12 kW PAR fixture with lens. The unit is focusable from 15° up to 49° just by turning the focus knob, producing a remarkably even light field and a crisp, clear shadow. The elimination of spread lenses speeds up the workflow on set.

The M90 closes the gap between M40 and ARRIMAX 18/12. Furthermore, the MAX Technology reflector functions perfectly with 6,000 W and 9,000 W lamps assignable to their similar size.

Due to the superior housing and the state-of-the-art Cross-Cooling concept the M90 has a very compact design close to the dimensions of the ARRISUN 60. Together with the innovative electronic high speed ballast, EB MAX 6/9, this combination represents the state-of-the-art daylight system for high quality images at high frame rates. Both, ballast and M90 are equipped with a CCL module (Compensation of Cable Losses) enabling full power, which is maintained all the way to the lamp, even using very long cables. This ensures uniformly high light output independent from cable length.

The system of M90 lamphead and EB MAX 6/9 is highly efficient. When it comes to the dimensions it is comparable to a 6 kW PAR system, whereas the light output comes close to a traditional 12 kW PAR (with lens) - it punches above its weight!

For outdoor use, the M90's IP23 protection rating allows the lamphead to withstand rough weather conditions, even driving rain.

For Daylight Systems ARRI offers an extended warranty period of five years.



5 YEAR

warranty for new daylight systems (head + ballast)

Technical Specifications

Order No.	Description
L1.37489.B	M90 daylight lamphead with MAX Technology reflector, 6000 W/9000 W, manual, blue/silver, intern. connector (VEAM)

Electronic Ballasts

L2.0019425	EB MAX 6/9 (USA), 6000/9000 W, ALF, CCL, DMX, 50/60/75/300/1000 Hz, AutoScan, 230 V, intern. connector (VEAM), bare ends
L2.0016747	EB MAX 6/9, 6000/9000 W, ALF, CCL, DMX, 50/60/75/300/1000 Hz, AutoScan, 230 V, intern. connector (VEAM), bare ends
L2.76180.0	EB 6/9, ALF, 50/60/75 Hz, 230 V, intern. connector (VEAM), bare ends

Accessories

L2.37560.0	4-leaf barndoor (584 mm / 23.0")
L2.37561.0	Spill Ring (571 mm / 22.5")
L2.37475.0	Speed Ring circular (9465) (581 mm / 22.9")
L2.0008688	Set of 4 scrims (571 mm / 22.5")
L2.0008690	Scrim, full single (571 mm / 22.5")
L2.0008689	Scrim, full double (571 mm / 22.5")
L2.0008692	Scrim, half single (571 mm / 22.5")
L2.0008691	Scrim, half double (571 mm / 22.5")
L2.77940.0	Head-to-Ballast cable, 6000/9000 W, 7 m, intern. connector (VEAM)
L2.77940.A	Head-to-Ballast cable, 6000/9000 W, 15 m, intern. connector (VEAM)

Lamps

L2.0003879	Lamp DIS 9000 W/SE G38 (Koto)
L2.37482.0	Lamp HMI 9000 W/SE XS GX38 (Osram)

Specifications

Reflector	MAX Technology reflector made of high purity aluminium
Mounting	Spigot 28 mm / 1 1/8" (1.1")
Dimensions (incl. flange) (H x W x L)	832 x 713 x 720 mm / 32.8" x 28.1" x 28.3"
Packed size (H x W x L)	930 x 790 x 910 mm / 36.6" x 31.1" x 35.8"
Weight	approx. 40 kg / 87.1 lbs
Packed weight	approx. 46 kg / 101.4 lbs
Protection Class / IP Rating	I / IP23
Certifications	CE, CB, GS, cNRTLus

Photometric Data with 9,000 W lamp

Throw (m) / (ft)	10 / 32.8	20 / 65.6	30 / 98.4
Spot: 15°			
Output (lux) / (fc)	51,000 / 4,738	12,750 / 1,185	5,670 / 527
Diameter (m) / (ft)	2.66 / 8.7	5.22 / 17.1	7.9 / 25.9
Medium: 30°			
Output (lux) / (fc)	14,450 / 1,342	3,610 / 335	1,600 / 149
Diameter (m) / (ft)	5.2 / 17.1	10.35 / 34.0	15.5 / 50.9
Flood: 49°			
Output (lux) / (fc)	7,590 / 705	1,900 / 177	840 / 78
Diameter (m) / (ft)	8.3 / 27.2	16.6 / 54.5	24.9 / 81.7

All specifications are nominal / typical values.

