

## M90 with MAX Technology®

### Main Features

- Lens-less MAX Technology®
- Closes the gap between M40 and ARRIMAX 18/12
- Light output matches a 12K PAR (with lens)
- As small and lightweight as a 6K PAR
- Focusable from 16° up to 49°
- Can also be used with 6,000 W (120 V nominal) lamps and ballasts
- Uses existing 6 K cables
- Tilt locks on both sides hold any heavy accessories
- Easy maintenance
- Protection Class IP23
- Suitable for high frame rate images

### “The smallest biggest light on set”

#### Lens-less system with MAX Technology®

Like all M-Series lampheads, the M90 is equipped with MAX Technology, a unique, patented reflector technology that unifies the advantages of a Fresnel and a PAR fixture. 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 k PAR fixture with lens. The unit is focusable from 16° 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, which sits almost exactly in the middle between the two. The geometry of available 9000 W lamps is, very similar in size to the 6,000 W lamp, which makes the MAX Technology reflector function perfectly at both wattages. Together with the latest electronic high speed ballast EB 6/9 HS with AutoScan feature it represents the state of the art daylight system for high quality images at high frame rates.

The superior housing and cooling concept have made a very compact design close to the dimensions of the ARRISUN 60 possible. Since the accompanying EB 6/9 kW ballast uses the housing of the current EB 6000 Baby, and 6K head-to-ballast cables are compatible, the whole system is highly efficient and delivers a light output close to a traditional 12K PAR with a lens within the dimensions of a 6K PAR system – it punches above its weight!

The new EB 6/9 kW is equipped with a CCL module (compensation for cable loss). When operated with the new ARRI high speed ballast EB 6/9 kW with CCL, full power is maintained all the way to the lamp even when very long cables are used. This means uniformly high light output independent from cable length.



## Technical Specifications

Order No.	Description
L1.37480.B	M90 9/6kW Daylight MAX Lamphead, manual, blue/silver, int. (VEAM)

Electronic Ballasts	
L2.76181.0	EB® 6/9, CCL, ALF, 230 V, DMX, VEAM
L2.76181KH	EB® 6/9, CCL, ALF, 230 V, DMX, 1,000 Hz ff, VEAM
L2.76193.0	EB® 6000 Baby, 180-250 V, ALF, VEAM

Accessories	
L2.37560.0	4-leaf Barndoor, 584 mm
L2.37561.0	Spill Rings (571 mm / 22.5")
L2.37475.0	Speed Ring, circular
L2.0008688	Set of Scrim (4 pcs), 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.B	Head-to-ballast cable, 10 m, 328 ft, VEAM
L2.77940.A	Head-to-ballast cable, 15 m, 492 ft, VEAM

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

Specifications	
Reflector	MAX reflector made of high purity aluminium
Mounting	spigot 28 mm / 1/8" (1.1")
Dimensions	713 x 716 x 814 (W x L x H)
Packed Size	915 x 795 x 950 mm (W x L x H)
Weight	approx 40 kg / 88 lbs
Packed weight	approx 55 kg / 121 lbs
Rating Class	IP23
Certification	CE, CB, GS, cNRTLus

Photometric Data with 9000 W lamp			
Throw (m) / (ft)	10 / approx 33	20 / approx 66	30 / approx 99
Spot: 16°			
Output (lux)	52375	13094	5819
Diameter (m)	2.81	5.62	8.43
Medium:30°			
Output (lux)	18250	4563	2028
Diameter (m)	5.36	10.72	16.08
Flood: 49°			
Output (lux)	7631	1908	848
Diameter (m)	9.11	18.23	27.34

