



### 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

## M-Series M90 with MAX Technology

**5 YEAR**  
warranty for new daylight  
systems (head + ballast)

### “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 of 5 years.

### Available Accessories

-  4-leaf barndoor
-  Speed ring circular
-  Spill ring
-  Head-to-Ballast cable
-  Set of 4 scrims

### Models

Version	Connector	Mounting	Color
M90	International (VEAM) 0.5 m cable outlet	Manual	 Blue/Silver

**Technical Specifications**

M-Series M90	
Ident-No.	L1.37489.B
EB MAX Set*	L0.0019658
Basic Set*	L0.0019659
	*Set including lamphead, ballast, cable, barndoor

Main Features	
Type of Lamphead	Open Face
Reflector	MAX Technology Facetted Reflector
Wattage	6,000 / 9,000 W
Lamp Base	GX38
Lamp Type	Metal Halide 9,000 W/SE Metal Halide 6,000 W/SE
UV Protection Glass Diameter	500 mm / 19.7"

Technical Data of the Luminaire	
Max. Operation Temperature	ta= 40°C / 104°F
Max. Surface Temperature	tc= max. 200°C / 392°F
Tolerable Inclination	max. 90° upwards / max. 90° downwards
Safe Distances	10 m / 32.8 ft. to illuminated surface 2 m / 6.6 ft. around the luminaire
Protective Class	I - Protective Earth
Protective Rate	IP23

Specifications	
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 (87.09 lbs)
Packed Weight	approx. 47 kg (101.64 lbs)
Mounting	Spigot 28 mm / 1 1/8" (1.1")
Accessories Diameter	584 mm (23.0") / 571 mm (22.5")
Certification	CE, CB, GS, cNRTLus

**ARRI corresponding Electronic Ballasts**

MAX Range IDs:	
L2.0019425	EB MAX 6/9 (USA) bare ends
L2.0016747	EB MAX 6/9 bare ends

**Features:**

High Speed Range IDs:	
L2.76180.0	EB 6/9 bare ends

**Features:**

**Photometrical Data with 9,000 W Lamp**

Distance: 10 m (33 ft.)	[Output / Diameter]
Spot 15°	51,000 lux (4,738 fc) / Ø 2.7 m ( 8.7 ft.)
Medium 30°	14,450 lux (1,342 fc) / Ø 5.2 m (17.1 ft.)
Flood 49°	7,590 lux ( 705 fc) / Ø 8.3 m (27.2 ft.)
Distance: 20 m (66 ft.)	[Output / Diameter]
Spot 15°	12,750 lux (1,185 fc) / Ø 5.2 m (17.1 ft.)
Medium 30°	3,610 lux ( 335 fc) / Ø 10.4 m (34.0 ft.)
Flood 49°	1,900 lux ( 705 fc) / Ø 8.3 m (27.2 ft.)
Distance: 30 m (99 ft.)	[Output / Diameter]
Spot 15°	5,670 lux ( 527 fc) / Ø 7.9 m (25.9 ft.)
Medium 30°	1,600 lux ( 149 fc) / Ø 15.5 m (50.9 ft.)
Flood 49°	840 lux ( 78 fc) / 24.9 m (81.7 ft.)

All specifications are nominal / typical values.

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

