M90 with MAX Technology®

Main Features

- 5 Years extended warranty*

- 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 hold any heavy lensglass accessories

- Easy maintenance

- Weather resistant IP23

- Suitable for high frame rate images

"The smallest biggest light on set"

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 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, which sits almost exactly in the middle between the two. The 9,000 W lamp 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, this combination 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. Since the accompanying EB® 6/9 kW ballast uses the housing of the current EB® 6000 Baby, the 6 kW Head-to-Ballast cables are compatible and the whole system is highly efficient and delivers a light output close to a traditional 12 kW PAR (with lens) within the dimensions of a 6 kW PAR system – it punches above its weight!

All EB® 6/9 kW ballasts are equipped with CCL module (Compensation of Cable Losses) enabling 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.

For Daylight Systems ARRI offers an extended warranty period of five years.
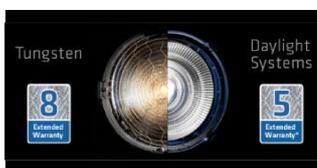
*if purchased with ARRI electronic ballast

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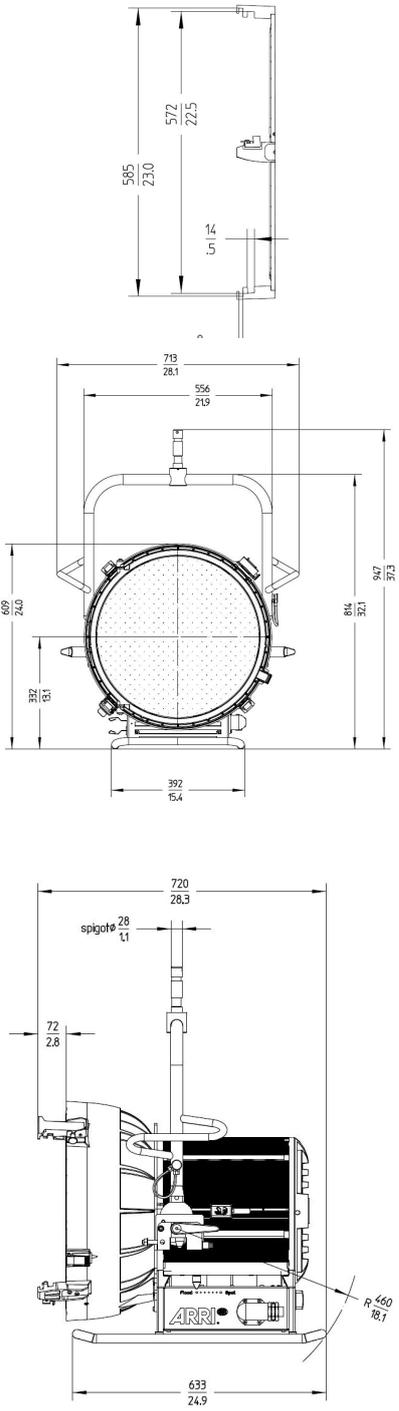
Order No.	Description
L1.37489.B	M90 daylight lamphead with MAX Technology® reflector, 9000 W, manual, blue/silver, intern. connector (VEAM)

Electronic Ballasts

L2.76185KH	EB® 6/9 HS AutoScan, ALF, CCL, DMX, 50/60/75/1000 Hz, 120/230 V, intern. connector (VEAM), bare ends
L2.76181.0	EB® 6/9, ALF, CCL, DMX, 50/60/75 Hz, 230 V, intern. connector (VEAM), bare ends

Accessories

L2.37560.0	4-leaf barndoor (584 mm / 23")
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.B	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	713 x 716 x 947 mm (28.1 x 28.2 x 37.3 inches) (W x L x H)
Packed size	790 x 910 x 930 mm (31.1 x 35.9 x 36.6 inches) (W x L x H)
Weight	approx. 40 kg / 88 lbs
Packed weight	approx. 55 kg / 121 lbs
Rating Class	IP23
Certifications	CE, CB, GS, cNRTLus

Photometric Data with 9000 W lamp

Throw (m) / (ft)	10 / approx. 33	20 / approx. 66	30 / approx. 99
Spot: 15°			
Output (lux)	51,000	12,750	5,670
Diameter (m)	2.66	5.22	7.9
Medium: 30°			
Output (lux)	14,450	3,610	1,600
Diameter (m)	5.2	10.35	15.5
Flood: 49°			
Output (lux)	7,590	1,900	840
Diameter (m)	8.3	16.6	24.9

All specifications are nominal / typical values.