



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.

system of M90 lamphead and EB MAX 6/9 is highly The 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 wheater conditions, even driving rain.

For Daylight Systems ARRI offers an extended warranty of 5 years.

Available Accessories

4-leaf barndoor



Head-to-Ballast cable

Speed ring circular

Models Version

M90

Connector International (VEAM) 0.5 m cable outlet

Mounting Manual

Color Blue/Silver



Set of 4 scrims



Technical Specifications

M-Series M90		
Ident-No.	L1.37489.B	720
EB MAX Set*	L0.0019658	spigot#28
Basic Set*	L0.0019659	1.1
	*Set including lamphead, ballast, cable, barndoor	
Main Features		
Type of Lamphead	Open Face	
Reflector	MAX Technology Facetted Reflector	2.8
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	8
Protective Class	I - Protective Earth	
Protective Rate	IP23	24.9
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 Ballast		
MAX Range IDs:		
L2.0019425 L2.0016747	EB MAX 6/9 (USA) bare ends	713
	FR MAX 6/9 bare ends	556
Features:	EB MAX 6/9 bare ends	
Features:		
Features: High Speed Range IDs:	Image: Constraint of the system Image: Constraint of the system 600019000 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constrate Image: Constraint	
	Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of the system Image: Construction of	
Features: High Speed Range IDs:	Image: Constraint of the system Image: Constraint of the system 600019000 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constrate Image: Constraint	
Features: High Speed Range IDs: L2.76180.0 Features:	Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system <	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan	Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system <	
Features: High Speed Range IDs: L2.76180.0 Features:	Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system Image: Second system	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.)	Image: State of the state	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30°	Image: Construction of the state of the	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49°	Image: Construction of the state of the	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49°	Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct of the system Image: Construct	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49° Distance: 20 m (66 ft.) Spot 15°	Image: Construct of the system of the sys	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49° Distance: 20 m (66 ft.) Spot 15° Medium 30°	Image: Construct of the system of the sys	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49° Distance: 20 m (66 ft.) Spot 15° Medium 30° Flood 49°	Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system I	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49° Distance: 20 m (66 ft.) Spot 15° Medium 30° Flood 49° Distance: 30 m (99 ft.)	Image: Constraint of the second se	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49° Distance: 20 m (66 ft.) Spot 15° Medium 30° Flood 49° Distance: 30 m (99 ft.) Spot 15°	Image: Second	
Features: High Speed Range IDs: L2.76180.0 Features: Photometrical Data with 9,000 W Lan Distance: 10 m (33 ft.) Spot 15° Medium 30° Flood 49° Distance: 20 m (66 ft.) Spot 15° Medium 30° Flood 49° Distance: 30 m (99 ft.)	Image: Constraint of the second se	



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

This ARRI Product Information (Ident.-No.: L5.90193.E) is published by Arnold & Richter Cine Technik, May 2019 © ARRI/2019 Technical data and offerings are subject to change without notice. All rights reserved. Without any warranty. Not binding 05/2019.

