

MACH LED PLUS.forty 40MM LINEAR LED MACHINE LIGHT



Maximum light minimum spaces
MACH LED PLUS.forty - combining the positive attributes of MACH LED PLUS. seventy with an even smaller form factor - 1.6" in diameter and four lengths, (7.5", 14.4", 21.3", 28.2") allowing this tough fixture to accommodate just about any area no matter how small.

A more efficient choice
MACH LED PLUS.forty's light output extends the full length of the fixtures. It offers more lumens per watt while using less power consumption than comparable lighting used in machining today. With a choice of beam angle, 40° or 90°, MACH LED PLUS.forty makes it possible to customize the area of

illumination even further. Thru-wire versions are also available in every length.



Multiple mounting options*

End bracket set



Clip bracket



M12 connection



*Mounting sold separately

TECHNICAL DATA

FEATURES:

- Rugged anodized aluminum housing, 4mm thick safety glass
- Various bracket options for simple installation
- Impermeable to coolants and lubricants
- Able to withstand extreme ambient heat up to 122°F
- Four lengths: 7.5", 14.4", 21.3", 28.2"
- Beam angle option: 40° (optics) or 90° (reflector)
- IP67 rated
- Easy connection via M12 cable assembly (included)
- Impervious to mechanical vibration
- Thru-wire models available for connecting multiple fixtures
- 60,000 hours maintenance-free operation
- ETL/cETL approved

SPECIFICATIONS:

Voltage	24V DC
Lamping	LED
Color Temperature	5000K
Color Rendering Index (CRI)	85
Beam Angle	40° or 90°
Luminaire Material	anodized aluminum
Lens Material	borosilicate safety glass
Dimension	4 lengths, 1.6" (40mm) diameter
Protection Rating	IP67
Certification	CE, ETL/cETL approved
Connection	M12 connector with 16' cord included



MACH LED PLUS.forty with angle of illumination 40°



MACH LED PLUS.forty with angle of illumination 90°

ORDERING INFORMATION (No operating device included, which is only required for 120-277V operation)

Version	Wattage	Length (A)	Lumens	Model	Part #
24V Versions					
90° beam angle	5W	7.5" (190mm)	480	MLAL 12 S	113 161 000 - 006 625 75
40° beam angle	5W	7.5" (190mm)	490	MLAL 12 S	113 161 000 - 006 600 33
90° beam, thru-wire	5W	7.5" (190mm)	480	MLAL 12 SD	113 161 000 - 006 626 00
90° beam angle	10.5W	14.4" (365mm)	1080	MLAL 27 S	113 162 000 - 006 626 85
40° beam angle	10.5W	14.4" (365mm)	1120	MLAL 27 S	113 162 000 - 006 606 81
90° beam, thru-wire	10.5W	14.4" (365mm)	1080	MLAL 27 SD	113 162 000 - 006 627 06
90° beam angle	16W	21.3" (540mm)	1680	MLAL 42 S	113 163 000 - 006 627 17
40° beam angle	16W	21.3" (540mm)	1720	MLAL 42 S	113 163 000 - 006 606 84
90° beam, thru-wire	16W	21.3" (540mm)	1680	MLAL 42 SD	113 163 000 - 006 627 35
90° beam angle	21.5W	28.2" (715mm)	2280	MLAL 57 S	113 164 000 - 006 628 06
40° beam angle	21.5W	28.2" (715mm)	2330	MLAL 57 S	113 164 000 - 006 606 87
90° beam, thru-wire	21.5W	28.2" (715mm)	2280	MLAL 57 SD	113 164 000 - 006 628 33

External Operating Devices	Max. Wattage	Input	Output	Part #
	17W	120-277V, 50/60Hz	24V DC	209 585 028
	20W	120-277V, 50/60Hz	24V DC	209 585 029
Required for 120-277V operation	50W	120V, 50/60Hz	24V DC	209 585 030
	96W	120-277V, 50/60Hz	24V DC	209 585 032

Mounting Options	Item	Unit	Part #
	End bracket set, +/- 90°	Sold as pair	408 001 403 - 006 716 26
	Clip bracket, adjustable, +/- 20°	Sold separately	408 001 402 - 006 716 23

Accessories	Item	Type	Voltage	Part #
	M12 connector with 16' cord (included), straight	A-coded	24V DC	US0 009 001
	M12 connector with 16' cord, angled	A-coded	24V DC	US0 009 011
	M12 connector for thru-wire (SD) models	A-coded	24V DC	336 884 M10

*M12 connector for thru-wire versions available upon request only

Waldmann Lighting Company

9 W. Century Drive
 Wheeling, Illinois 60090
 www.waldmannlighting.com

Telephone (847) 520 1060
 Fax (847) 520 1730
 waldmann@waldmannlighting.com

Waldmann **W**
 ENGINEERS OF LIGHT