

# MBL 20



# MBL 40



## MBL 20 & MBL 40

The MBL is a tunable white floodlight with an adjustable color temperature range from 2,700 to 6,500 Kelvin. Due to the fanless concept the MBL is the ideal general light for fairs, events, sports or show areas or in all sound sensitive areas. The MBL is classified according to IP65, therefore dustproof and also suitable for outdoor use. The integrated diffuser improves the lighting properties of the LED by reducing glare and providing a homogeneous visual impression.

Highlights are the direct selector switches for color temperature and brightness, which can be used to set the most important color temperatures and fixed brightness levels without current; ideal for simple Plug&Play applications. For the integration in installations the MBL supports DMX 512 and can be controlled individually. For the use in the video/TV sector selectable PWM frequencies (up to 30 KHz) are at hand. The MBL has In/Out connections for DMX and power (Power Twist TR1) which makes the installation and dismantling very easy.

## Key Facts

- IP65
- Tunable White
- 2,700 – 6,500 K
- fanless



# Technical Data

## LIGHT SOURCE

Type	cW/wW LED
Power	
MBL 20	270 W
MBL 40	550 W
Count	
MBL 20	27 x wW, 27x cW
MBL 40	55x wW, 55x cW
Lifetime	50.000 h
CRI	80+
TM-30-15 Rf/Rg	80+ / 90+

## OPTICAL SYSTEM

Beam angle	100°
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## CONTROL & PROGRAMMING

DMX Channels	2   5
Control Modes	2
Protocols	DMX (USITT DMX512-A)   RDM (ANSI/ESTA E1.20)
Dimming Curves	Inv. Square   Linear   Square Law   Theatre
Rotary Switch CCT	2,700 K   3,200 K   4,200 K   5,600 K   6,500 K
Rotary Switch Brightness	20 %   40 %   60 %   80 %   100 %
Setting and addressing	backlit graphic LCD   4 Button Menu Navigation
Firmware Update	DMX Link via Updater

## CONNECTIONS

Power connection	Neutrik powerCON True1 In/Out
Signal connection	Neutrik XLR 5-Pin In/Out

## ELECTRICAL SPECIFICATIONS

Power input	100 – 240 V AC / 50 – 60 Hz
Power supply unit	auto-ranging electronic switch-mode
Max. Power	
MBL 20	200 W
MBL 40	400 W

## THERMAL SPECIFICATIONS

Cooling type	convection
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Max. ambient temperature	45 °C / 115 °F
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Min. ambient temperature	-10 °C / 14 °F
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## INSTALLATION

Mounting	1 pair of 1/4-turn locks   2 Safety Cable attachment points
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Orientation	Any
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Location	Outdoor temporary
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## CONSTRUCTION

Housing color	Black
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Housing material	Aluminum
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Protection Rating	IP 65
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## SHIPPING

Tourpack	
MBL 20	6-way
MBL 40	4-way

## DIMENSIONS & WEIGHT

### MBL 20

Height	270 mm / 106.3 in
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Height with Bracket	370 mm / 145.7 in
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Width	250 mm / 98.4 in
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Depth	170 mm / 66.93 in
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Weight netto	5 kg / 11.02 lbs
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### MBL 40

Height	380 mm / 149.6 in
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Height with Bracket	482 mm / 189.8 in
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Width	320 mm / 125.98 in
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Depth	217 mm / 85.4 in
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Weight netto	10 kg / 22.04 lbs
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## ARTICLE NUMBERS

FUSION MBL 20	4900250
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Barndoor MBL 20	4930160
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Gel Frame MBL 20	4930175
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FUSION MBL 40	4900251
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Barndoor MBL 40	4930161
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Gel Frame MBL 40	4930176
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Omega Bracket	4930009
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