

# Waldmann **W**

ENGINEER OF LIGHT.

NORTH AMERICA



# THE RIGHT LIGHT FOR EVERY APPLICATION



## MACHINING

Machine luminaires are designed specifically for difficult machining environments. The luminaire must produce bright illumination of the machine cabinet, produce no shadows or glare for the machine operator and be able to withstand flying metal chips, lubricants and oils found in the machining process. These luminaires must be rugged, reliable and easy to clean and maintain. Waldmann offers the very best quality and widest selection of LED machine luminaires available on the market today.



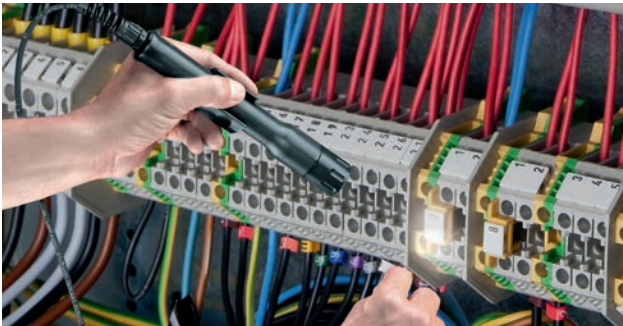
## ASSEMBLY

Good lighting for an assembly environment is crucial to insure quality products are manufactured and assembled correctly the first time. Good lighting positively affects employees by boosting productivity, morale and well-being, while minimizing eye strain and fatigue. Providing sufficient light without shadows or glare is also important as a safety issue as good lighting will help keep employees alert while doing their specific task.



## QUALITY CONTROL

Quality Control is the last point of inspection before a product is shipped to the customer. Having the proper lighting and magnification equipment available is imperative to ensure that any defects or imperfections are identified prior to shipment. Waldmann magnifiers are available with integral dimming, segment switching to enhance contrast and accessories to increase magnification power. All Waldmann magnifiers can be easily adjusted to the desired position, ensuring the most accurate inspections.



## MAINTENANCE

In the industrial environment, keeping production machines operational, is the name of the game. Using the highest quality lighting components available, along with superior design and the latest technological advances, Waldmann produces world-class industrial lighting solutions that minimize down time due to machine lighting failure.



## RESEARCH AND DEVELOPMENT

Research and development is an important component of any growing business. Waldmann develops products that easily integrate into R&D workstations that require high illuminance levels while eliminating shadows or glare. Task and bench lighting products allow for precise movement and positioning of the fixture for optimum comfort and control, while utilizing premium materials and components.

INDUSTRIAL MACHINE LIGHTING

10-27

INDUSTRIAL TASK & WORKBENCH LIGHTING

28-35

MAGNIFICATION & INSPECTION LIGHTING

36-42

INDUSTRIAL LIGHTING ACCESSORIES

43-50

INDUSTRIAL LIGHTING INDEX

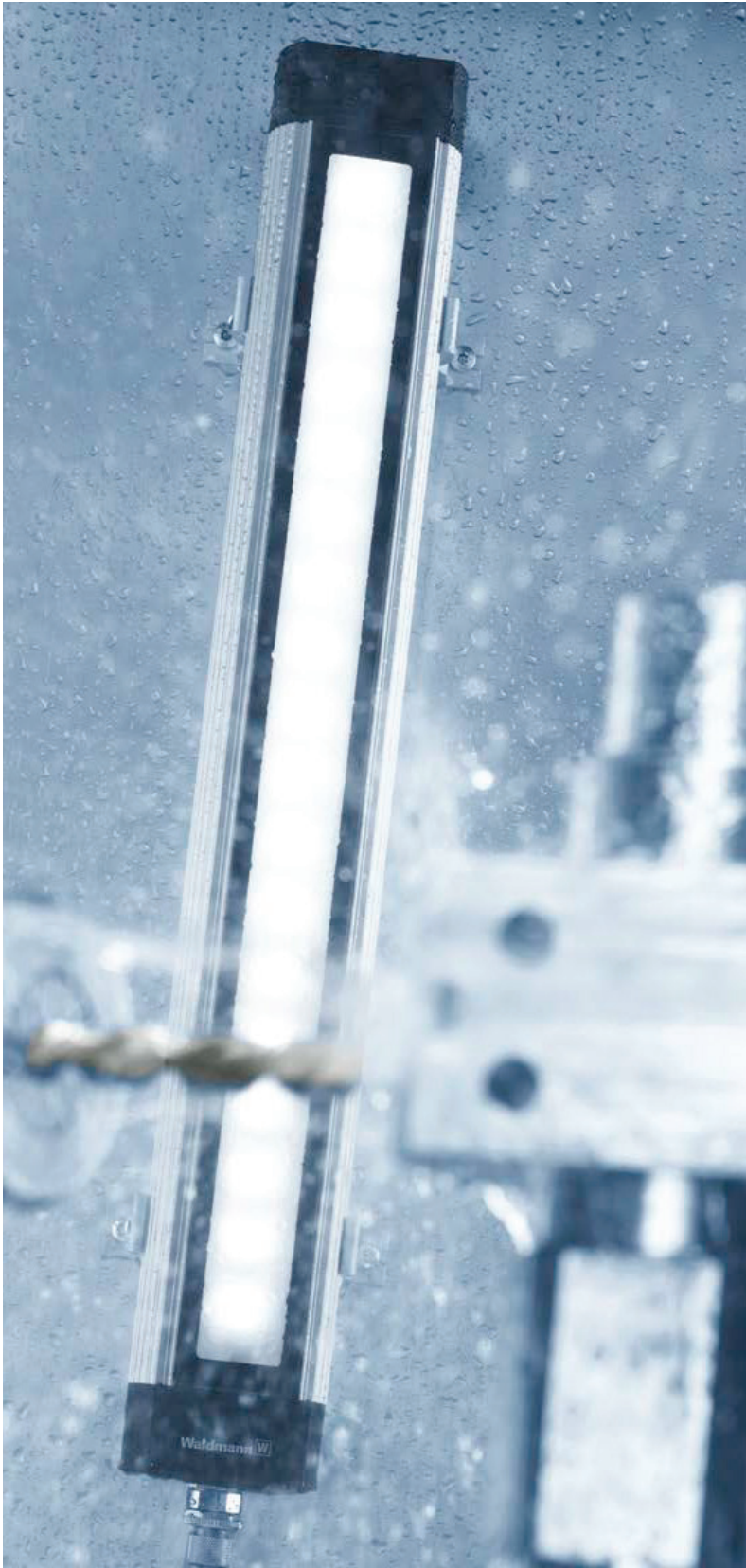
51-65





## INDUSTRIAL MACHINE LIGHTING

<b>MACH LED PLUS</b> - 70MM LINEAR LED MACHINE LIGHT	6 - 7
<b>MACH LED</b> - 40MM LINEAR LED MACHINE LIGHT	8 - 9
<b>MACH LED PRO</b> - FLAT LED MACHINE LIGHT	10-11
<b>LUMATRIS LED</b> -	12-13
<b>SPOT LED</b>	14 - 15
<b>FLAT LED</b>	16 - 17
<b>ABL LED</b>	18 - 19
<b>HEAD LED</b>	20 - 21
<b>ONE LED</b>	22 - 23
<b>SLIM LED</b>	24 - 25
<b>HG HALOGEN</b>	26 - 27
<b>HI20 HALOGEN</b>	28 - 29
<b>HSW HALOGEN</b>	30 - 31
<b>HG LARGE HALOGEN SPOT</b>	32 - 33
<b>RL70 FLUORESCENT TUBE LIGHTS</b>	34 - 37
<b>AWD FLUORESCENT</b>	38 - 40



# MACH LED PLUS

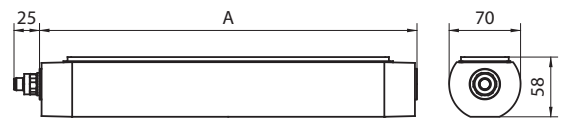
## 70mm LINEAR LED MACHINE LIGHT

### FEATURES:

- Compatible with standard 70mm tube lights for easy retrofit of existing fluorescent tubes to LED
- Up to 70% energy savings compared to fluorescent lamp fixtures
- Six lengths to fit any machine configuration
- Two lumen packages available, Eco or High Output
- 50,000 hours of maintenance-free operation with high-performance, high-output, LED technology
- Anodized aluminum housing and 4mm thick safety glass insures trouble-free operation in harsh environments
- Easy connection via M12 connector (included)
- Available in both line voltage or low voltage
- Designed for use with coolants and lubricants

### SPECIFICATIONS:

Voltage	24V DC or 100-240V; 50/60Hz
Lamping	LED
Color Temperature (Kelvin)	5000K
Color Rendering Index (CRI)	85
Luminaire Material	anodized aluminum
Lens Material	4mm thick borosilicate safety glass
Dimension	6 lengths, 2.75" diameter
Protection Rating	IP67 waterproof
Certification	ETL/cETL approved
Mounting options	see page 62



SEE CHART FOR INDIVIDUAL LENGTHS (A)  
(MEASUREMENTS IN MILLIMETERS)

MACH LED PLUS is the ideal LED solution for linear machine lighting applications. It produces intense illumination for the most demanding industrial applications: impervious to mechanical vibration, completely waterproof (IP67) and resistant to coolants and lubricants. Designed for high temperature environments, MACH LED PLUS is compatible with standard 70mm tube lights used in many machines, MACH LED PLUS can replace these light fixtures using existing mounting brackets. Thanks to well-engineered design, superior craftsmanship and highest quality materials, MACH LED PLUS withstands the toughest conditions found in manufacturing and machining environments.

**ORDERING INFORMATION**

VERSION	WATTAGE	LENGTH (A)	LUMENS	MODEL	PART #
<b>24V VERSIONS</b>					
ECO	7W	14.5" (370mm)	500	MQAL 12 S	113 045 000 - 005 807 02
ECO, THRU-WIRE	7W	14.5" (370mm)	500	MQAL 12 SD	113 046 000 - 005 806 96
HIGH-OUTPUT	12W	14.5" (370mm)	900	MQAL 24 S	113 047 000 - 005 806 93
HIGH-OUTPUT, THRU-WIRE	12W	14.5" (370mm)	900	MQAL 24 SD	113 048 000 - 005 805 73
ECO	10W	20.1" (510mm)	750	MQAL 18 S	113 053 000 - 005 805 88
ECO, THRU-WIRE	10W	20.1" (510mm)	750	MQAL 18 SD	113 054 000 - 005 805 91
HIGH-OUTPUT	18W	20.1" (510mm)	1350	MQAL 36 S	113 055 000 - 005 805 94
HIGH-OUTPUT, THRU-WIRE	18W	20.1" (510mm)	1350	MQAL 36 SD	113 056 000 - 005 805 97
ECO	10W	22.2" (565mm)	750	MQAL 18 S	113 061 000 - 005 806 12
ECO, THRU-WIRE	10W	22.2" (565mm)	750	MQAL 18 SD	113 062 000 - 005 806 15
HIGH-OUTPUT	18W	22.2" (565mm)	1350	MQAL 36 S	113 063 000 - 005 806 18
HIGH-OUTPUT, THRU-WIRE	18W	22.2" (565mm)	1350	MQAL 36 SD	113 064 000 - 005 806 21
ECO	13W	25.6" (650mm)	1000	MQAL 24 S	113 069 000 - 005 806 39
ECO, THRU-WIRE	13W	25.6" (650mm)	1000	MQAL 24 SD	113 070 000 - 005 806 42
HIGH-OUTPUT	24W	25.6" (650mm)	1800	MQAL 48 S	113 071 000 - 005 806 45
HIGH-OUTPUT, THRU-WIRE	24W	25.6" (650mm)	1800	MQAL 48 SD	113 072 000 - 005 806 48
ECO	16W	31.1" (790mm)	1250	MQAL 36 S	113 077 000 - 005 806 63
ECO, THRU-WIRE	16W	31.1" (790mm)	1250	MQAL 36 SD	113 078 000 - 005 806 66
HIGH-OUTPUT	30W	31.1" (790mm)	2300	MQAL 60 S	113 124 000 - 006 118 55
HIGH-OUTPUT, THRU-WIRE	30W	31.1" (790mm)	2300	MQAL 60 SD	113 125 000 - 006 128 44
ECO	22W	42.1" (1070mm)	1750	MQAL 42 S	113 081 000 - 005 806 75
ECO, THRU-WIRE	22W	42.1" (1070mm)	1750	MQAL 42 SD	113 082 000 - 005 806 81
HIGH-OUTPUT	42W	42.1" (1070mm)	3200	MQAL 84 S	113 126 000 - 006 129 73
HIGH-OUTPUT, THRU-WIRE	42W	42.1" (1070mm)	3200	MQAL 84 SD	113 122 000 - 006 098 07

**100-240V VERSIONS** use with operating device (see below)

ECO	9W	14.5" (370mm)	500	MQAL 12 N	113 049 000 - 005 805 76
ECO, THRU-WIRE	9W	14.5" (370mm)	500	MQAL 12 ND	113 050 000 - 005 805 79
HIGH-OUTPUT	15W	14.5" (370mm)	900	MQAL 24 N	113 051 000 - 005 805 82
HIGH-OUTPUT, THRU-WIRE	15W	14.5" (370mm)	900	MQAL 24 ND	113 052 000 - 005 805 85
ECO	12W	20.1" (510mm)	750	MQAL 18 N	113 057 000 - 005 806 00
ECO, THRU-WIRE	12W	20.1" (510mm)	750	MQAL 18 ND	113 058 000 - 005 806 03
HIGH-OUTPUT	21W	20.1" (510mm)	1350	MQAL 36 N	113 059 000 - 005 806 06
HIGH-OUTPUT, THRU-WIRE	21W	20.1" (510mm)	1350	MQAL 36 ND	113 060 000 - 005 806 09
ECO	12W	22.2" (565mm)	750	MQAL 18 N	113 065 000 - 005 806 24
ECO, THRU-WIRE	12W	22.2" (565mm)	750	MQAL 18 N	113 066 000 - 005 806 30
HIGH-OUTPUT	21W	22.2" (565mm)	1350	MQAL 36 N	113 067 000 - 005 806 33
HIGH-OUTPUT, THRU-WIRE	21W	22.2" (565mm)	1350	MQAL 36 ND	113 068 000 - 005 806 36
ECO	15W	25.6" (650mm)	1000	MQAL 24 N	113 073 000 - 005 806 51
ECO, THRU-WIRE	15W	25.6" (650mm)	1000	MQAL 24 ND	113 074 000 - 005 806 54
HIGH-OUTPUT	27W	25.6" (650mm)	1800	MQAL 48 N	113 075 000 - 005 806 57
HIGH-OUTPUT, THRU-WIRE	27W	25.6" (650mm)	1800	MQAL 48 ND	113 076 000 - 005 806 60
ECO	20W	31.1" (790mm)	1250	MQAL 30 N	113 079 000 - 005 806 69
ECO, THRU-WIRE	20W	31.1" (790mm)	1250	MQAL 30 ND	113 080 000 - 005 806 72
ECO	26W	42.1" (1070mm)	1750	MQAL 42 N	113 083 000 - 005 806 84
ECO, THRU-WIRE	26W	42.1" (1070mm)	1750	MQAL 42 ND	113 084 000 - 005 806 90

EXTERNAL OPERATING DEVICES	MAX. WATTAGE	INPUT VOLTAGE	OUTPUT	PART #
	17W	120-277V, 50/60Hz	24V DC	209 585 028
	20W	100-240V, 50/60Hz	24V DC	209 585 029 - 000 989 030
	50W	120V, 50/60Hz	24V DC	209 585 030
	75W	120-277V DC, 50/60Hz	24V DC	209 585 031

MOUNTING OPTIONS	ITEM	UNIT	PART #
	End Bracket Set, adjustable, +/- 65° (sold in pairs)	Sold as pairs	408 001 876 - 005 820 65
	Clip Bracket, adjustable, +/- 30° (sold individually)	Sold individually	408 001 878 - 005 855 35
	Protective Cap Set (not for use with end brackets)	Sold as pairs	408 001 875 - 005 820 72

ACCESSORIES	ITEM	TYPE	VERSION	PART #
	M12 Connector	A-coded	for 24V versions	330 634 010 - 000 039 70
	M12 Connector	S-coded	100-240V versions	336 885 010 - 005 975 38



# MACH LED

## 40mm LINEAR LED MACHINE LIGHT

### FEATURES:

- Small, compact linear housing
- High-performance LED technology
- 50,000 hours maintenance-free
- High resistance to coolants/lubricants
- Impervious to mechanical vibration
- Rugged aluminum housing
- Lengths: 7" (182mm), 14" (357mm), 21" (532mm), and 28" (707mm)

### SPECIFICATIONS:

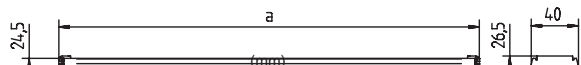
Voltage	24V DC
Lamping	6W LED chip array
Operation	connect to external switch
Color Temperature (Kelvin)	5000K
Color Rendering Index (CRI)	65
Beam Angles	30° or 50°
Luminaire Material	anodized aluminum
Lens Material	4 mm thick borosilicate safety glass
Dimension	4 lengths, 3" wide
Power Consumption	various
Protection Rating	IP67
Certification	ETL/cETL approved
Cord/Plug	M12 connector included
Mounting	see mounting and accessories on page 61



MACH LED produces intense illumination for the most demanding industrial applications. It is a completely waterproof (IP67) linear LED luminaire that offers precise light positioning and adjustability. The luminaire body is an extruded aluminum housing with ridges designed for effective heat dissipation. MACH LED provides outstanding illuminance levels in a compact, easy-to-install package with both fixed and adjustable mounting options available. The luminaire is available in four different lengths from 7 inches (182mm) to 28 inches (707mm), offering up to four LED modules in one housing. Two different beam angles are available: a 30° or 50° optic providing either spot or flood light beam distribution. The rugged aluminum housing can be used in both interior and exterior applications. The tempered glass lens is designed to withstand debris and is sealed with neoprene gasketing to ensure a completely waterproof luminaire. MACH LED is designed for years of maintenance-free operation.



## DIMENSIONAL DATA



\*\* Models with detachable cord are also available. Please consult factory.



REMOVABLE END CAPS

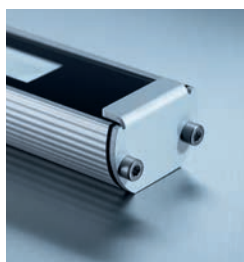
## ORDERING INFORMATION

WATTAGE	DIMENSION (A)	END CAP (A or B)	BEAM ANGLE	LUMENS	PART #
1 x 6W	7.2" (182mm)	A	30°	495	112 567 000 - 005 482 48
	7.2" (182mm)	B	30°	495	112 567 000 - 005 482 51
	7.2" (182mm)	A	50°	495	112 567 000 - 005 482 54
	7.2" (182mm)	B	50°	495	112 567 000 - 005 482 57
2 x 6W	14.1" (357mm)	A	30°	990	112 567 041 - 004 886 06
	14.1" (357mm)	B	30°	990	112 567 044 - 004 636 93
	14.1" (357mm)	A	50°	990	112 567 045 - 005 218 32
	14.1" (357mm)	B	50°	990	112 567 054 - 004 636 98
3 x 6W	21" (532mm)	A	30°	1485	112 567 055 - 004 760 03
	21" (532mm)	B	30°	1485	112 567 056 - 005 209 31
	21" (532mm)	A	50°	1485	112 567 064 - 004 637 01
	21" (532mm)	B	50°	1485	112 567 065 - 005 051 96
4 x 6W	27.8" (707mm)	A	30°	1980	112 567 066 - 005 209 42
	27.8" (707mm)	B	30°	1980	112 567 074 - 004 644 16
	27.8" (707mm)	A	50°	1980	112 567 075 - 004 783 81
	27.8" (707mm)	B	50°	1980	112 567 076 - 004 637 06

EXTERNAL OPERATING DEVICE	MAX. WATTAGE	INPUT VOLTAGE	OUTPUT	PART #
	17W	120-277V, 50/60Hz	24V DC	209-585-028
	20W	120-240V, 50/60Hz	24V DC	209 585 029 - 000 989 30
	50W	120V, 50/60Hz	24V DC	209 585 030
	75W	120-277V DC, 50/60Hz	24V DC	209 585 031

MOUNTING OPTIONS ("A" END CAP)	ITEM	MATERIAL	UNIT	PART #
	Mounting Ring Kit	aluminum	sold as pair	408 001 952 - 004 593 89
	Mounting Clip	galvanized steel	sold individually	306 266 022 - 000 859 12
	Mounting Strap	stainless steel	sold individually	190 174 029 - 000 866 00

ACCESSORIES	ITEM	UNIT	PART #
	M12 Connector	included	330 634 010 - 000 039 70
	Cord	sold per meter	406 125 440 - 000 787 98



MACH LED END CAP A



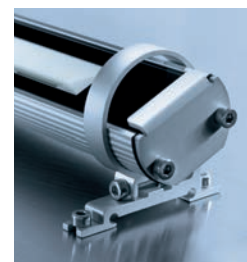
MACH LED END CAP B



MACH LED CLIP



MACH LED MOUNTING STRAP



MACH LED MOUNTING RING

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# MACH LED PRO

## FLAT LED MACHINE LIGHT

### FEATURES:

- Small, compact linear housing
- High-performance LED technology
- 50,000 hours maintenance-free
- High resistance to coolants/lubricants
- Impervious to mechanical vibration
- Rugged aluminum housing
- Lengths: 7" (182mm), 14" (357mm), 21" (532mm), and 28" (707mm)

### SPECIFICATIONS:

Voltage	24V DC
Lamping	6W LED chip array
Operation	connect to external switch
Color Temperature (Kelvin)	5000K
Color Rendering Index (CRI)	65
Beam Angles	30° or 50°
Luminaire Material	anodized aluminum
Lens Material	4 mm thick borosilicate safety glass
Dimension	4 lengths, 3" wide
Power Consumption	various
Protection Rating	IP67
Certification	ETL/cETL approved
Cord/Plug	M12 connector included
Mounting	see mounting and accessories on page x



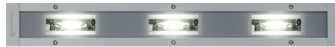
**VERSIONS - FLUSH OR SURFACE MOUNT**



1 x 6W



2 x 6W



3 x 6W



4 x 6W

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

LAMPING	VOLTAGE	OVERALL LENGTH	WIDTH	BEAM ANGLE	MODEL	PART #
1 x 6W	24V DC	8.66in (220mm)	2.91in (74mm)	30°	MUEL 1 S	112 571 000
	24V AC, 50/60Hz	8.66in (220mm)	2.91in (74mm)	30°	MUEL 1 S	112 571 001
	24V DC	8.66in (220mm)	2.91in (74mm)	120°	MUEL 1 S	112 571 002
	24V AC, 50/60Hz	8.66in (220mm)	2.91in (74mm)	120°	MUEL 1 S	112 571 003
2 x 6W	24V DC	15.55in (395mm)	2.91in (74mm)	30°	MUEL 2 S	112 571 004
	24V AC, 50/60Hz	15.55in (395mm)	2.91in (74mm)	30°	MUEL 2 S	112 571 005
	24V DC	15.55in (395mm)	2.91in (74mm)	120°	MUEL 2 S	112 571 006
	24V AC, 50/60Hz	15.55in (395mm)	2.91in (74mm)	120°	MUEL 2 S	112 571 007
3 x 6W	24V DC	22.44in (570mm)	2.91in (74mm)	30°	MUEL 3 S	112 571 010
	24V AC, 50/60Hz	22.44in (570mm)	2.91in (74mm)	30°	MUEL 3 S	112 571 011
	24V DC	22.44in (570mm)	2.91in (74mm)	120°	MUEL 3 S	112 571 012
	24V AC, 50/60Hz	22.44in (570mm)	2.91in (74mm)	120°	MUEL 3 S	112 571 013
4 x 6W	24V DC	29.33in (745mm)	2.91in (74mm)	30°	MUEL 4 S	112 571 014
	24V AC, 50/60Hz	29.33in (745mm)	2.91in (74mm)	30°	MUEL 4 S	112 571 015
	24V DC	29.33in (745mm)	2.91in (74mm)	120°	MUEL 4 S	112 571 016
	24V AC, 50/60Hz	29.33in (745mm)	2.91in (74mm)	120°	MUEL 4 S	112 571 017

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

LAMPING	VOLTAGE	OVERALL LENGTH	WIDTH	BEAM ANGLE	MODEL	PART #
1 x 6W	24V DC	8.66in (220mm)	2.91in (74mm)	30°	MUAL 1 S	112 571 020
	24V AC, 50/60Hz	8.66in (220mm)	2.91in (74mm)	30°	MUAL 1 S	112 571 021
	24V DC	8.66in (220mm)	2.91in (74mm)	120°	MUAL 1 S	112 571 022
	24V AC, 50/60Hz	8.66in (220mm)	2.91in (74mm)	120°	MUAL 1 S	112 571 023
2 x 6W	24V DC	15.55in (395mm)	2.91in (74mm)	30°	MUAL 2 S	112 571 024
	24V AC, 50/60Hz	15.55in (395mm)	2.91in (74mm)	30°	MUAL 2 S	112 571 025
	24V DC	15.55in (395mm)	2.91in (74mm)	120°	MUAL 2 S	112 571 026
	24V AC, 50/60Hz	15.55in (395mm)	2.91in (74mm)	120°	MUAL 2 S	112 571 027
3 x 6W	24V DC	22.44in (570mm)	2.91in (74mm)	30°	MUAL 3 S	112 571 030
	24V AC, 50/60Hz	22.44in (570mm)	2.91in (74mm)	30°	MUAL 3 S	112 571 031
	24V DC	22.44in (570mm)	2.91in (74mm)	120°	MUAL 3 S	112 571 032
	24V AC, 50/60Hz	22.44in (570mm)	2.91in (74mm)	120°	MUAL 3 S	112 571 033
4 x 6W	24V DC	29.33in (745mm)	2.91in (74mm)	30°	MUAL 4 S	112 571 034
	24V AC, 50/60Hz	29.33in (745mm)	2.91in (74mm)	30°	MUAL 4 S	112 571 035
	24V DC	29.33in (745mm)	2.91in (74mm)	120°	MUAL 4 S	112 571 036
	24V AC, 50/60Hz	29.33in (745mm)	2.91in (74mm)	120°	MUAL 4 S	112 571 037

For installation cutout dimensions of flush mount version, please see PRO LED product specification sheet @ [www.waldmannlighting.com](http://www.waldmannlighting.com)

EXTERNAL OPERATING DEVICES	MAX WATTAGE	OUTPUT	VOLTAGE RANGE	PART #
Required for 120-277V operation	20W	24V DC	120-240V, 50/60Hz	209 585 029
	50W	24V DC	120V, 50/60Hz	209 585 030
	75W	24V DC	120-277V, 50/60Hz	209 585 031

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# LUMATRIS

## HIGH OUTPUT LED MACHINE LIGHT

### FEATURES:

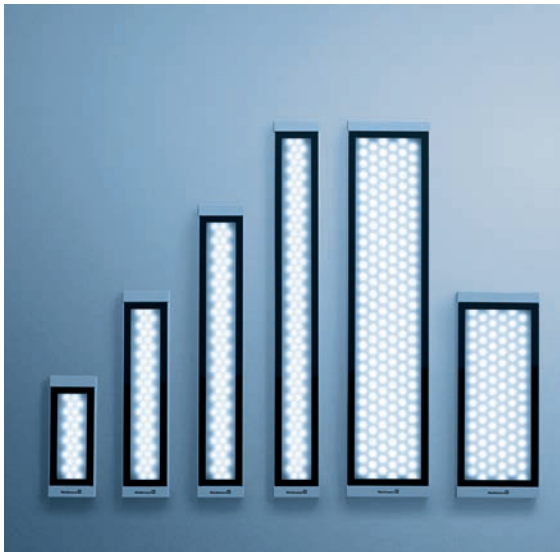
- 50,000 hours of maintenance-free operation
- 90 and 180 LED versions available
- Strong anodized aluminum construction
- Low surface temperature
- Flicker-free light with no IR or UV content
- 4mm thick safety glass
- Standard power offers even more energy savings
- Two-step switchable operation
- Rear or side connection with M12 plug connector
- Flush or surface mount options available
- Resistant to coolants and lubricants
- Choice of narrow or flood beam distribution

### SPECIFICATIONS:

Voltage	24V DC
Lamping	24, 48, 72, 90, 96 or 180 x LED
Color Temperature (Kelvin)	5000K
Color Rendering Index (CRI)	80-89
Luminaire Material	anodized aluminum
Lens Material	4mm thick borosilicate safety glass
Protection Rating	IP69K
Certification	ETL/cETL
Cord/Plug	M12 connector, no cord included
Mounting	see mounting and accessories on page x



LUMATRIS is designed for large area illumination inside the machine compartment. Using the latest in high-output LED technology, Lumatrix uses specially designed optics to provide bright light without glare or heat. Its 50,000 hours of maintenance-free LED operation equates to significant energy and cost savings. The standard power option allows for even less energy consumption – by 30%. That, along with being constructed of strong, anodized aluminum, 4mm thick safety glass, and having resistance to coolants and lubricants makes LUMATRIS an ideal choice for even the most volatile machining environments.



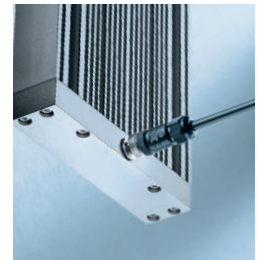
DIFFERENT SIZES



ARM MOUNT



SURFACE BRACKET



REAR CONNECTION



FLUSH FRAME



SIDE CONNECTION

**ORDERING INFORMATION**

WATTAGE	DIMENSIONS	CONNECTION LOCATION	BEAM TYPE	LUMENS	PART #
10W	9.7" x 3.7"	side	narrow flood	570	113 094 000 - 005 967 22
10W	9.7" x 3.7"	rear	narrow flood	570	113 094 000 - 005 967 88
10W	9.7" x 3.7"	side	wide flood	570	113 094 000 - 005 967 91
10W	9.7" x 3.7"	rear	wide flood	570	113 094 000 - 005 967 94
20W	16.5" x 3.7"	side	narrow flood	1140	113 095 000 - 005 967 61
20W	16.5" x 3.7"	rear	narrow flood	1140	113 095 000 - 005 968 03
20W	16.5" x 3.7"	side	wide flood	1140	113 095 000 - 005 968 06
20W	16.5" x 3.7"	rear	wide flood	1140	113 095 000 - 005 968 09
30W	23.5" x 3.7"	side	narrow flood	1700	113 096 000 - 005 967 64
30W	23.5" x 3.7"	rear	narrow flood	1700	113 096 000 - 005 968 57
30W	23.5" x 3.7"	side	wide flood	1700	113 096 000 - 005 968 62
30W	23.5" x 3.7"	rear	wide flood	1700	113 096 000 - 005 968 70
40W	30.3" x 3.7"	side	narrow flood	2250	113 097 000 - 005 967 67
40W	30.3" x 3.7"	rear	narrow flood	2250	113 097 000 - 005 968 74
40W	30.3" x 3.7"	side	wide flood	2250	113 097 000 - 005 968 77
40W	30.3" x 3.7"	rear	wide flood	2250	113 097 000 - 005 968 80
31W	16.5" x 6.7"	side	narrow flood	1900	112 573 001 - 005 142 71
31W	16.5" x 6.7"	rear	narrow flood	1900	112 573 000 - 004 994 89
31W	16.5" x 6.7"	side	wide flood	1900	112 573 000 - 006 086 66
31W	16.5" x 6.7"	rear	wide flood	1900	112 573 000 - 006 086 73
62W	30.3" x 6.7"	side	narrow flood	3800	112 574 001 - 005 111 40
62W	30.3" x 6.7"	rear	narrow flood	3800	112 574 000 - 004 994 93
62W	30.3" x 6.7"	side	wide flood	3800	112 574 000 - 006 086 80
62W	30.3" x 6.7"	rear	wide flood	3800	112 574 000 - 006 086 77

EXTERNAL OPERATING DEVICE	MAX. WATTAGE	INPUT	OUTPUT	PART #
	50W	120V, 50/60Hz	24V DC	209 585 030
	75W	120-277V, 50/60HZ	24V DC	209 585 031

MOUNTING OPTIONS	ITEM	VERSION	UNIT	PART #
	Surface Mounting Bracket	for 3.7" width version	pair	408 001 015 - 005 955 87
	Surface Mounting Bracket	for 6.7" width version	pair	408 001 035 - 005 142 68
	Pivoting Arm Mount	for either version	individual	408 001 033 - 005 142 62
	Flush Mounting Frame	for 9.7" x 3.7" version	individual	408 001 016 - 005 956 19
	Flush Mounting Frame	for 16.5" x 3.7" version	individual	408 001 017 - 005 956 13
	Flush Mounting Frame	for 23.5" x 3.7" version	individual	408 001 018 - 005 956 10
	Flush Mounting Frame	for 30.3" x 3.7" version	individual	408 001 019 - 005 956 16
	Flush Mounting Frame	for 16.5" x 6.7" version	individual	408 001 037 - 005 181 21
	Flush Mounting Frame	for 30.3" x 6.7" version	individual	408 001 034 - 005 142 65

ACCESSORIES	ITEM	VERSION	POWER	PART #
	M12 Connector	Straight, 5-pin	>48W	336 882 010 - 005 975 41
	M12 Connector	Straight, 5-pin	<48W	336 615 019 - 005 220 18
	M12 Connector	Right Angled, 5-pin	<48W	336 615 029 - 005 220 15

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# SPOT LED

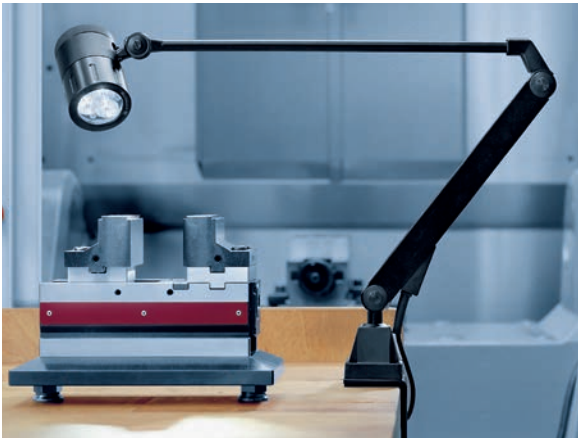
## HIGH OUTPUT LED SPOT

**FEATURES:**

- Luminaire Diameter: 3in (76mm)
- High performance LED technology
- 50,000 hours maintenance-free operation
- Optional beam angles of 10° or 40°
- Low-voltage 24V AC or DC operation
- Waterproof models available up to IP67
- High resistance to coolants/lubricants
- Impervious to mechanical vibration
- Rugged aluminum housing
- Pivoting Head with magnetic base provides portable illumination (707mm)

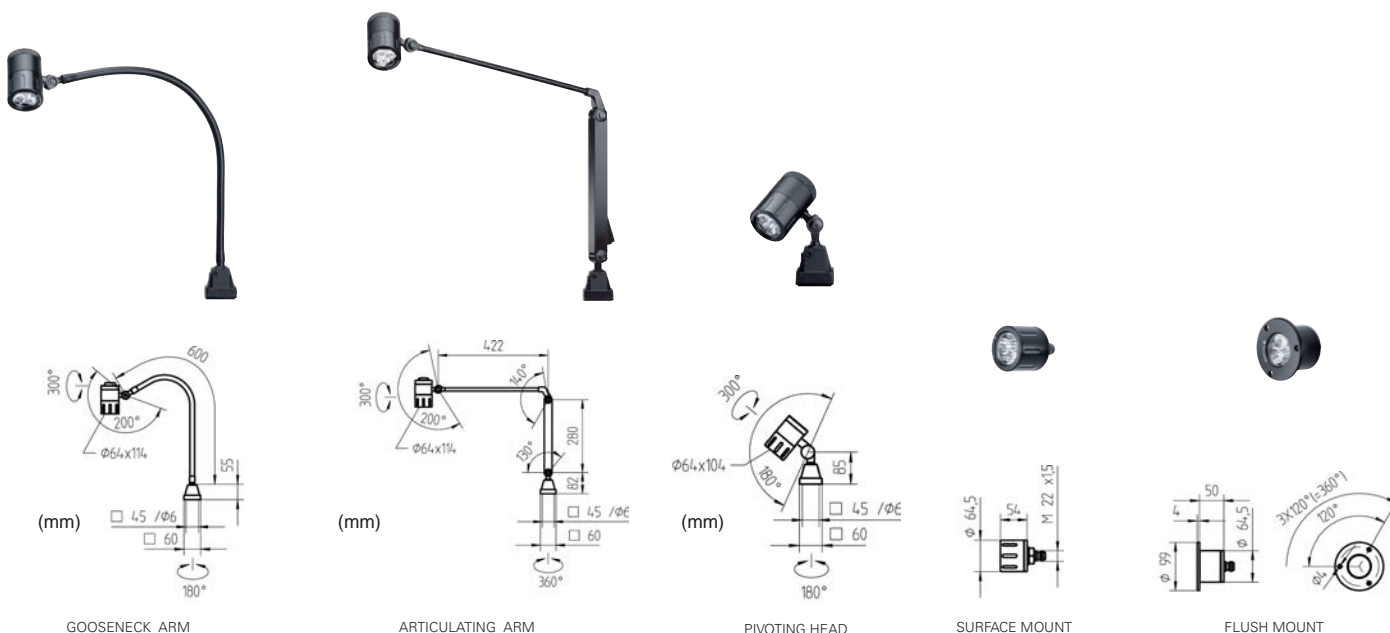
**SPECIFICATIONS:**

Voltage	24V AC or DC, 100-240V, 50/60Hz
Lamping	3 x 6W LED
Operation	connect to external source
Color Temperature (Kelvin)	5700K
Color Rendering Index (CRI)	75
Beam Angles	10° or 40°
Luminaire Material	anodized aluminum
Lens Material	borosilicate glass
Dimension	2.5" diameter, 4" deep
Arm Reach	24" gooseneck, 30" articulating arm
Power Consumption	various
Protection Rating	IP40 - IP67
Certification	ETL/cETL approved
Cord/Plug	9' cord, US/Euro plug incl.
Mounting	see mounting and accessories on page x



SPOT LED is a technologically advanced, waterproof LED luminaire designed for the most demanding production and machining environments. With energy-efficient LED technology, proven quality and industrial grade design, SPOT LED provides years of maintenance-free illumination precisely where you need it. The luminaire offers both low-voltage and line-voltage connectivity options, as well as two beam angles for spot or flood lighting and precise beam distribution. The SPOT LED housing is manufactured with hardened anodized aluminum, designed to withstand constant mechanical vibration, oil, coolants or debris and assuring reliable waterproof performance. Waldmann has designed optimal thermal management for this luminaire, insuring a long service life of the LED circuit board. SPOT LED offers easy connectivity to any AC or DC 24V power supply, regardless of polarity. SPOT LED provides bright uniform light output with precise optical control.

## DIMENSIONAL DATA



## ORDERING INFORMATION

VERSION	WATTAGE	VOLTAGE	BEAM ANGLE	SWITCH	IP RATING	LUMENS	PART #
Pivoting Head	6W	24V AC or DC	10°	No	IP67	572	112 459 004 - 000 829 50
Pivoting Head	6W	24V AC or DC	40°	No	IP67	572	112 459 006
Pivoting Head	6W	24V AC or DC	10°	Yes	IP65	572	112 459 001 - 000 916 93
Pivoting Head	6W	24V AC or DC	40°	Yes	IP65	572	112 459 003 - 000 916 94
Pivoting Head	6W	100-240V, 50/60Hz	10°	Yes	IP65 (IP40)*	572	112 459 007 - 000 918 50
Pivoting Head	6W	100-240V, 50/60Hz	40°	Yes	IP65 (IP40)*	572	112 459 009 - 000 918 52
Gooseneck Arm	6W	24V AC or DC	10°	Yes	IP65	572	112 462 001 - 000 918 51
Gooseneck Arm	6W	24V AC or DC	40°	Yes	IP65	572	112 462 003
Gooseneck Arm	6W	100-240V, 50/60Hz	10°	Yes	IP65 (IP40)*	572	112 462 007 - 000 919 26
Gooseneck Arm	6W	100-240V, 50/60Hz	40°	Yes	IP65 (IP40)*	572	112 462 009
Articulating Arm	6W	24V AC or DC	10°	Yes	IP65	572	112463 001 - 000 916 60
Articulating Arm	6W	24V AC or DC	40°	Yes	IP65	572	112 463 003
Articulating Arm	6W	100-240V, 50/60Hz	10°	Yes	IP65 (IP40)*	572	112 463 007 - 000 916 62
Articulating Arm	6W	100-240V, 50/60Hz	40°	Yes	IP65 (IP40)*	572	112 463 009
Surface Mount	6W	24V AC or DC	10°	No	IP67	572	112 461 001 - 000 830 05
Surface Mount	6W	24V AC or DC	40°	No	IP67	572	112 461 003 - 000 878 71
Flush Mount	6W	24V AC or DC	10°	No	IP67	572	112 460 001 - 000 829 95
Flush Mount	6W	24V AC or DC	40°	No	IP67	572	112 460 003 - 000 878 91

OPERATING DEVICE	MAX. WATTAGE	INPUT	OUTPUT	PART #
Operating device required for 120-277V operation	17W	120-277V, 50/60Hz	24V DC	209 585 028
	20W	120-240V, 50/60Hz	24V DC	209 585 029 - 000 989 30
	50W	120V, 50/60Hz	24V DC	209 585 030
	75W	120-277V DC, 50/60Hz	24V DC	209 585 031

MOUNTING OPTIONS	ITEM	MOUNTING TYPE	PART #
	Universal Base for Table/Wall (included)	screw on	204 090 019
	Pin Mount Table Base	n/a	190 186 019 - 000 096 44
	Magnetic Base	screw on	190 057 019 - 000 150 56
	Mounting Clamp (0-2.75")	clamp	190 007 019 - 000 149 04
	Mounting Clamp (2.5-5.4")	clamp	190 033 019 - 000 149 50
	Wall Bracket	screw on	300 213 018 - 000 251 78
	1/2" Base Mount Adapter	n/a	SK3 618 011 - 000 891 52

\* denotes IP rating of IP65 for luminaire and IP40 for plug-in transformer



# FLAT LED

## HIGH OUTPUT LED FLOOD

### FEATURES

- Housing has a depth of only 7/8" (20mm)
- Hard anodized aluminum housing
- Available in recessed or surface mount
- 50,000 hours maintenance-free operation
- High-pressure waterproof (IP69K)
- Precision optics provide 60° beam spread
- High-resistance coating against heat, wear and corrosion
- ESD protection diodes
- Impervious to shock or vibration

### SPECIFICATIONS:

Voltage	10-30V AC or 10-40V DC
Lamping	6 x 2W LED
Operation	connect to external source
Color Temperature (Kelvin)	6500K
Beam Angles	60°
Luminaire Material	anodized aluminum
Lens Material	borosilicate glass
Dimension	11.2" x 2.3"
Power Consumption	13W
Protection Rating	IP69K
Certification	ETL/cETL
Cord/Plug	approx. 10' w/ free stranded wires
Mounting	see mounting and accessories on page x



SURFACE MOUNT



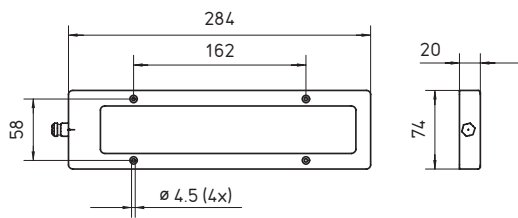
FLUSH MOUNT

FLAT LED combines new LED technology with advanced optics, resulting in a luminaire with minimal height, maximum luminous power and intelligent electronics. The intelligent electronics allow FLAT LED to be directly connected to 24V DC or a 24V AC connection, without regard for polarity. Together with a heat-dissipating luminaire housing, FLAT LED provides years of maintenance-free performance. The flat housing is the result of innovative optical design and aluminum housing technology. FLAT LED is designed for wide area illumination using state-of-the-art, high output LEDs with these optics to produce intense light in confined spaces. With an overall depth of only 7/8", the FLAT LED can be installed in a variety of applications and is completely waterproof (IP69K) and maintenance-free. Perfect for areas that require constant cleaning, FLAT LED's IP69K protection rating allows high-pressure steam cleaning of the luminaire.

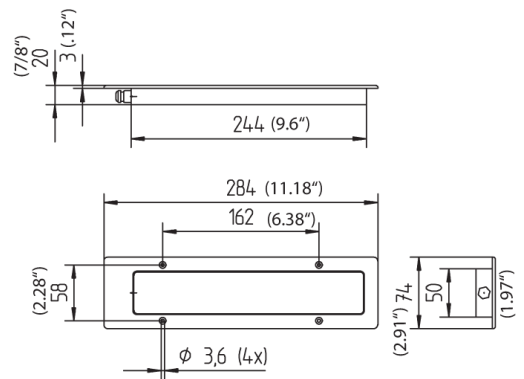




## DIMENSIONAL DATA



SURFACE MOUNT



FLUSH MOUNT

## ORDERING INFORMATION

VERSION	VOLTAGE	MODEL	PART #
Surface Mount for DC power supply	10-40V DC	MYAL 6 S	112 560 000
Surface Mount for AC power supply	10-30V AC	MYAL 6 S	112 560 002
Flush Mount for DC power supply	10-40V DC	MYEL 6 S	112 560 001
Flush Mount for AC power supply	10-30V AC	MYEL 6 S	112 560 003

EXTERNAL OPERATING DEVICES	MAX WATTAGE	INPUT	OUTPUT	PART #
Required for 120-277V operation	17W	120-277V, 50/60Hz	24V DC	209 585 028
	20W	120-240V, 50/60Hz	24V DC	209 585 029
	50W	120V, 50/60Hz	24V DC	209 585 030
	75W	120-277V, 50/60Hz	24V DC	209 585 031



# ABL LED

## COMPACT LED SPOT

**FEATURES:**

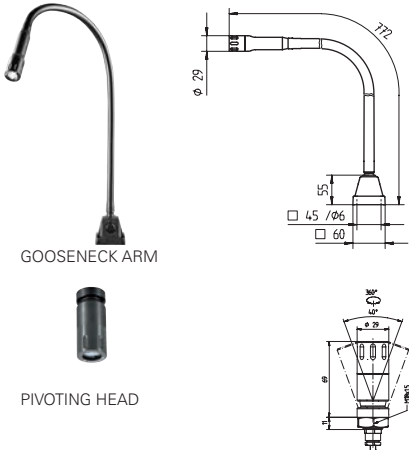
- Compact size provides pinpoint accuracy
- Single high output LED
- Waterproof (IP67)
- 50,000 hours maintenance-free operation
- Installs via threaded stem or bore and counter nut with standard versions
- Detachable head option for hand-held operation
- Precision optics available in 6° or 25° beam angles
  
- Precise adjustability with pivoting head version using a precise ball-joint pivot
- High resistance coating against heat, wear, and corrosion
- ESD protective diode
- No stroboscopic effect
- No heat generated in the direction of the light beam

**SPECIFICATIONS:**

Voltage	24V - 240V, depending on Operating Device
Lamping	1 x 3W LED
Operation	connect to external source
Color Temperature (Kelvin)	6000K
Beam Spreads	6° or 25°
Luminaire Material	anodized aluminum
Lens Material	borosilicate glass
Dimension	1" diameter x 4.3" deep
Arm Reach	30.5"
Power Consumption	3W
Protection Rating	IP67
Cord/Plug	approx.16' w/ two-prong plug
Mounting	4-hole screw-in mounting base

\*various mounting options available

SEE MOUNTING AND ACCESSORIES ON PAGE X



ABL LED is designed for flexible spot lighting in smaller areas or confined spaces. With a single, high performance, high output LED, the ABL provides pinpoint accuracy and positioning in a wide variety of applications. Available with a gooseneck arm or pivoting head only. The ABL LED is ideal for illuminating control panels, keyboards, control room equipment, vision systems, manufacturing equipment, test areas and inspection areas. Line voltage models are available pre-wired with integral operating devices for plug-in 120V operation. The pivoting head version allows easy integration into existing production and manufacturing systems to provide directional spot lighting exactly where you need it. All ABL luminaires are waterproof (IP67) and suitable for installation in wet or dry locations. Both gooseneck units are also available in thread mount versions for easy installation in a variety of machines, workstations or production and inspection areas.



#### ORDERING INFORMATION

VERSION	VOLTAGE	IP RATING	BEAM ANGLE	OP DEVICE INC.	LUMENS	PART #
Gooseneck Arm, fixed head	19.2-24V	IP67	6° spot	yes	191	112 385 M20
Gooseneck Arm, fixed head	19.2-24V	IP67	25° flood	yes	191	112 385 M21
Gooseneck Arm, fixed head	95-240V	IP40	6° spot	yes	191	112 385 M10
Gooseneck Arm, fixed head	95-240V	IP40	25° flood	yes	191	112 385 M11
Gooseneck Arm, fixed head	Per Operating Device	IP67	6° spot	no	191	112 423 000 - 000 715 50
Gooseneck Arm, fixed head	Per Operating Device	IP67	25° flood	no	191	112 423 001 - 000 715 49
Pivoting Head, threadmount	Per Operating Device	IP67	6° spot	no	191	112 353 002 - 000 587 09
Pivoting Head, threadmount	Per Operating Device	IP67	25° flood	no	191	112 353 003 - 000 587 11

EXTERNAL OPERATING DEVICES	WATTAGE	INPUT VOLTAGE	OUTPUT	PART #
	10W	95-240V, 700mA	24V DC	209 585 019 - 000 452 02
	14W	19.2-28.8V, 700mA	24V DC	209 582 019 - 000 487 93

MOUNTING OPTIONS	DESCRIPTION	ATTACHEMENT	PART #
	Universal Base (Table/Wall)	screw on (included)	204 090 019
	Universal Mount Table Base	screw on	190 036 109 - 000 582 38
	Magnetic Base	screw on	190 057 019 - 000 150 56
	Mounting Clamp (0-2.75")	clamp	190 007 019 - 000 149 04
	Mounting Clamp (2.5 - 5.4")	clamp	190 033 019 - 000 149 50

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# HEAD LED

## SURFACE MOUNT LED FLOOD

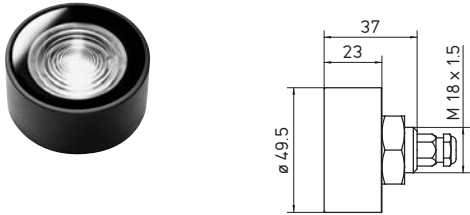
### FEATURES

- Small diameter - under 2 inches
- High Output: 11W LED
- Available in 70° or 100° beam angles
- Designed for wide area flood distribution
- Impact and vibration resistant
- Safety glass and hard-coated housing
- No burning of coolants and lubricants
- Latest LED technology
- Waterproof (IP67)
- 50,000 hours maintenance-free operation
- M12 connector included

### SPECIFICATIONS:

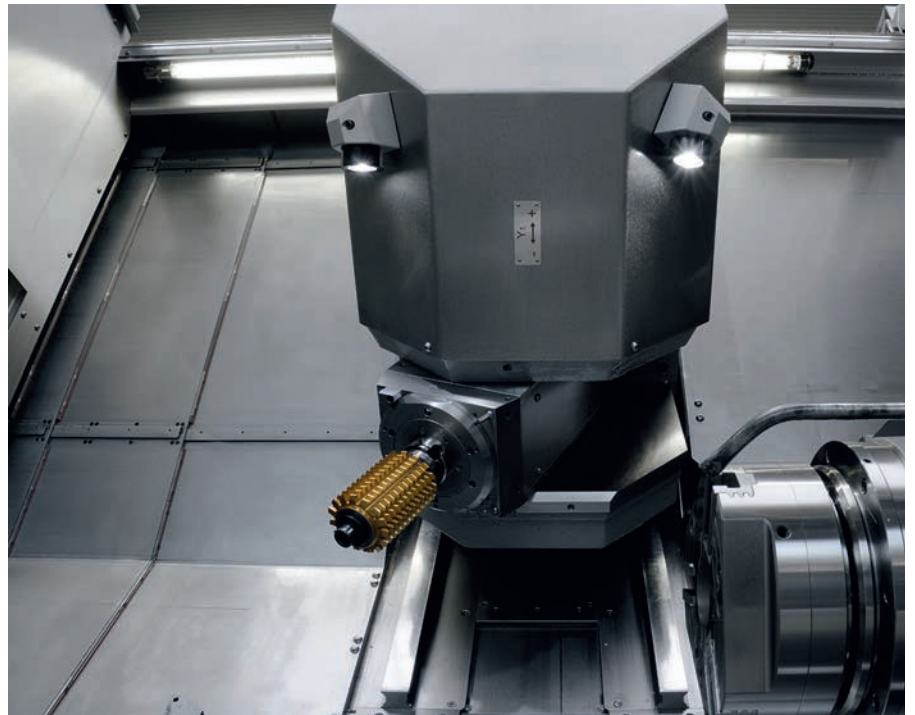
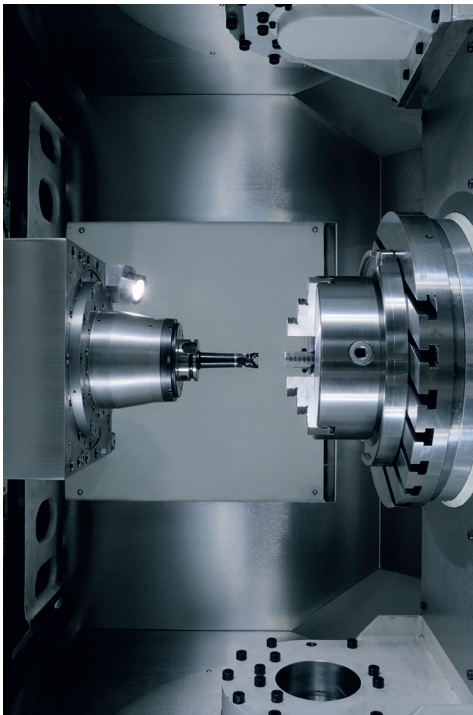
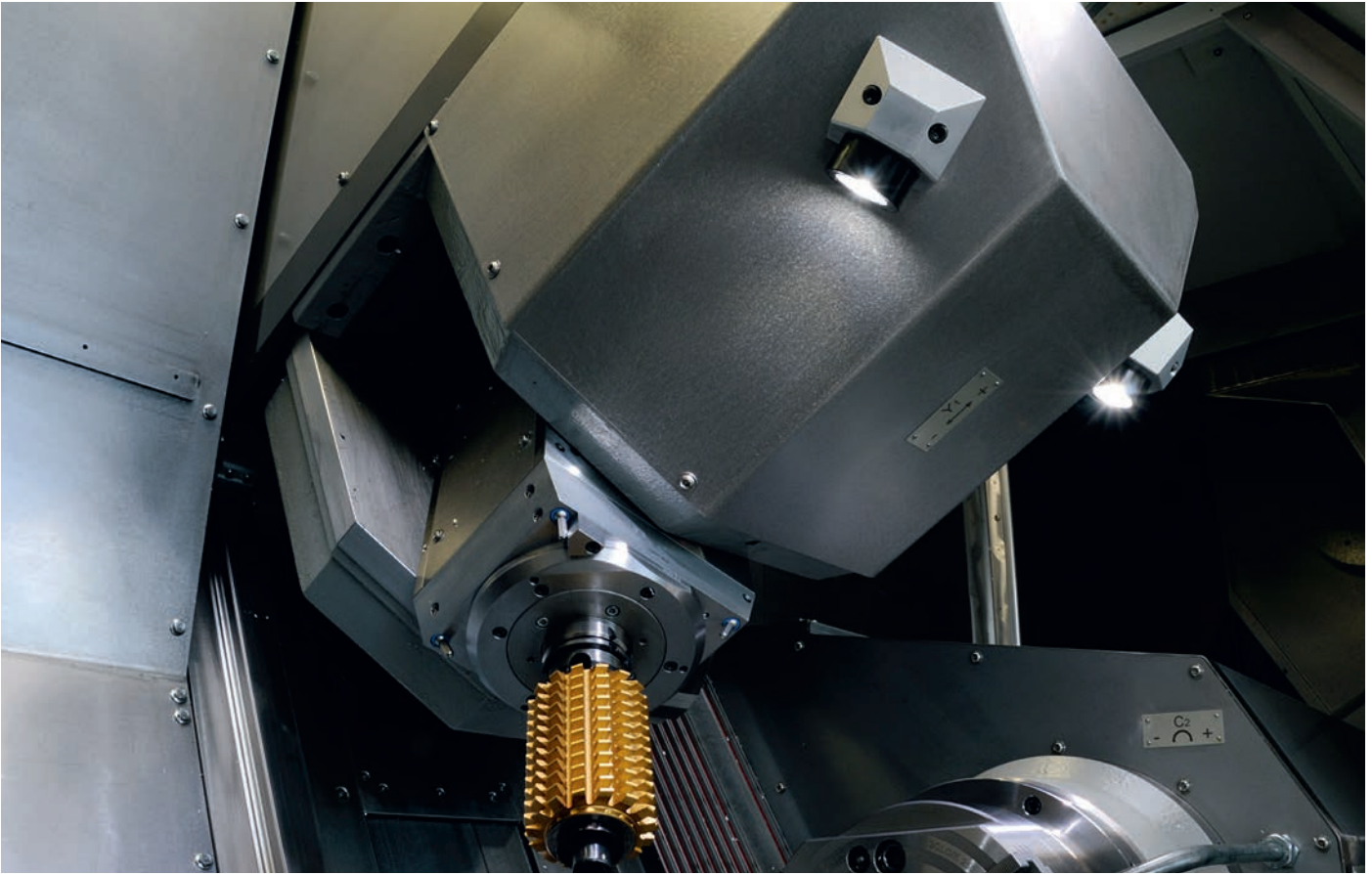
Voltage	120-277V with operating device
Lamping	1 x 11W LED
Operation	connect to external source
Color Temperature (Kelvin)	5600K
Color Rendering Index (CRI)	75
Beam Angle	70° or 100°
Luminaire Material	anodized aluminum
Lens Material	borosilicate glass
Dimension	1.7" diameter
Power Consumption	11W
Protection Rating	IP67
Cord/Plug	6" cord w/ plug

**\*MUST BE PURCHASE OPERATING DEVICE**



HEAD LED

HEAD LED is an LED flood light designed for integration into machines and equipment requiring a fixed, high output light beam. This unit has been reduced to its most essential features - without losing luminous power and lighting quality. As a result, the HEAD LED can be easily integrated into custom applications and mounting positions. HEAD LED measures just under 1-inch in height and less than 2-inches in diameter. There is no space too small for HEAD LED. This small luminaire can light up an entire machine with its 70- or 100-degree flood. It is also impervious to impact and vibration, ideal for any machining location. The wide-distribution light beam is generated with optics specially developed by Waldmann. HEAD LED meets all the requirements for integrating lighting inside the machines: low-voltage, tempered housing, safety glass, and precise optics. With HEAD LED, you can create custom applications for your specific needs. Unit requires a 700mA constant current LED driver (sold separately).



#### ORDERING INFORMATION

VERSION	BEAM SPREAD	WATTAGE	LUMENS	PART #
Wide Flood	100°	11W	805	112 554 000 - 000 031 65
Narrow Flood	70°	11W	805	112 554 001 - 000 057 58

EXTERNAL OPERATING DEVICE	WATTAGE	INPUT	OUTPUT	PART #
	17W	120-240V	24V DC	950 900 026

\*MUST BE PURCHASED WITH OPERATING DEVICE

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# ONE LED

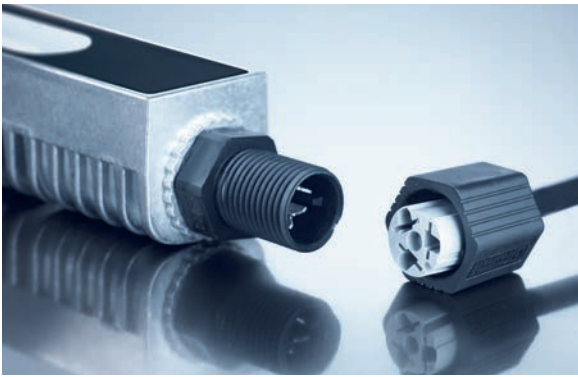
## COMPACT LED FLOOD

**FEATURES:**

- Housing size: H 1.4" (36mm) x W 1.2" (30mm) x L 6.4" (163mm)
- Surface-mount LED spot light
- Latest LED chip-array technology
- Safety glass or PMMA acrylic lens
- Die-cast, heat-sink housing
- Easy to install and connect
- Available with mounting bracket
- 50,000 hours maintenance-free operation
- Designed to withstand difficult conditions
- Impervious to shock and vibration
- Ideal for small machining compartments

**SPECIFICATIONS:**

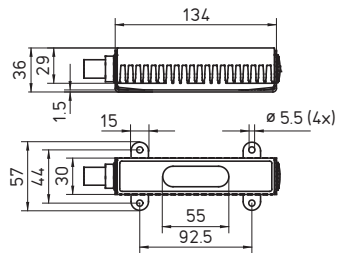
Voltage	20-28V DC
Lamping	1 X 6W LED chip array
Operation	connect to external source
Weight	0.5 lb
Color Temperature (Kelvin)	5000K
Color Rendering Index (CRI)	65
Beam Angle	170°
Luminaire Material	pressure cast aluminum
Lens Material	safety glass or acrylic lens
Dimension	IP67 (glass) or IP54 (acrylic)
Power Consumption	11W
Protection Rating	IP67 (glass) or IP54 (acrylic)
Certification	ETL/cETL
Cord/Plug	tool-free connector plug, no cord
Mounting	screws



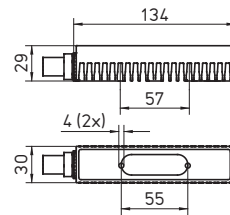
ONE LED was developed with the purpose of providing maximum light with a minimal, no-frills housing. Designed as an all-purpose, waterproof LED area light, ONE LED can be used in the most confined spaces. The luminaire body acts as a heat-sink to dissipate heat away from the beam direction. ONE LED provides maximum LED light output using the latest LED chip-array technology. Despite its minimal housing design, ONE LED can operate at ambient temperatures of up to 120°F or 50°C. ONE LED is suitable for many industrial applications including printing presses, drill presses, machine compartments and production equipment with minimal space and high operating temperatures. The connection is fast and easy with the Quickon connection system.



## DIMENSIONAL DATA



ONE LED with +/- 90° ADJUSTABLE BRACKET



ONE LED WITHOUT BRACKET

## ORDERING INFORMATION

WATTAGE	LENS MATERIAL	MOUNTING BRACKET	PROTECTION RATING	LUMENS	PART #
6W	PMMA Acrylic	Not included	IP54	400	112 887 024 - 000 760 49
6W	PMMA Acrylic	Included	IP54	400	112 887 027 - 000 760 50
6W	Borosilicate Glass	Not included	IP67	400	112 887 034 - 000 760 59
6W	Borosilicate Glass	Included	IP67	400	112 887 037 - 000 760 65

EXTERNAL OPERATING DEVICES	MAX. WATTAGE	INPUT VOLTAGE	OUTPUT	PART #
	20W	120-240V, 50/60Hz	24V DC	209 585 029 - 000 989 30
	50W	120V, 50/60Hz	24V DC	209 585 030
	75W	120-277V DC, 50/60Hz	24V DC	209 585 031



# SLIM LED

## COMPACT LINEAR LED

### FEATURES:

- Impact and vibration resistant
- Strong aluminum extruded housing
- Less than 1" (22mm) wide for small areas
- 50,000 hours maintenance-free operation
- Lengths: 7.7" (196mm), 13.2" (336mm), 24.3" (616mm), 35.3" (896mm) and 46.3" (1176mm)

### SPECIFICATIONS:

Voltage	24V DC
Lamping	LED
Operation	connect to external source
Color Temperature (Kelvin)	5400K
Beam Angles	adjustable beam direction +/- 45°
Luminaire Material	anodized aluminum
Lens Material	acrylic clear, satine or no lens
Dimension	varied lengths, less than 1" wide
Power Consumption	various
Protection Rating	IP67
Certification	ETL/cETL/CE approved
Cord/Plug	10' cord w/ free stranded wires
Mounting	adjustable or flanged housing

NOTE: NOT FOR USE WITH COOLANTS OR LUBRICANTS



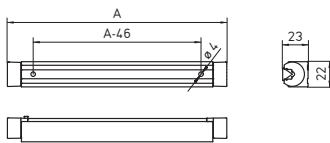
SLIM LED is a family of compact, low-profile LED luminaires designed for both interior and exterior applications. Optimal linear flood lighting is delivered using the latest technology in which the LEDs are directly attached to a flexible circuit board. The sleek profile of SLIM LED allows adjustability to 35° in either direction and five different lengths offer installation flexibility for a wide variety of applications. The compact size allows for easy integration into an existing system, while providing exceptional energy efficiency, low-voltage safety and numerous design possibilities.

PLEASE NOTE: ALTHOUGH SLIM LED IS COMPLETELY WATERPROOF, IT IS NOT RECOMMENDED FOR USE WITH COOLANTS OR LUBRICANTS.

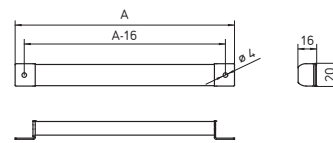




## DIMENSIONAL DATA



SLIM LED +/- 45° ADJUSTABLE HOUSING



SLIM LED WITH FLANGE

## ORDERING INFORMATION

WATTAGE	LENGTH (A in diagram)	MOUNTING BRACKET	LENS TYPE	LUMENS	PART #
4W	7.7" (196 mm)	adjustable	clear	186	112 544 000 - 000 013 28
4W		adjustable	satine	186	112 544 001 - 000 110 81
4W		adjustable	no lens	186	112 544 002 - 000 110 82
4W		non-adjustable w/ flange	clear	186	112 544 003 - 000 110 83
4W		non-adjustable w/ flange	satine	186	112 544 004 - 000 110 84
4W		non-adjustable w/ flange	no lens	186	112 544 005 - 000 111 00
8W	13.2" (336 mm)	adjustable	clear	372	112 544 006 - 000 110 88
8W		adjustable	satine	372	112 544 007 - 000 110 85
8W		adjustable	no lens	372	112 544 008 - 000 110 86
8W		non-adjustable w/ flange	clear	372	112 544 009 - 000 110 87
8W		non-adjustable w/ flange	satine	372	112 544 010 - 000 111 01
8W		non-adjustable w/ flange	no lens	372	112 5440 11 - 000 111 02
15W	24.3" (616 mm)	adjustable	clear	744	112 544 012 - 000 111 03
15W		adjustable	satine	744	112 544 013 - 000 111 04
15W		adjustable	no lens	744	112 544 014 - 000 111 05
15W		non-adjustable w/ flange	clear	744	112 545 000 - 000 013 51
15W		non-adjustable w/ flange	satine	744	112 54 5001 - 000 111 25
15W		non-adjustable w/ flange	no lens	744	112 545 002 - 000 111 30
22W	35.3" (896 mm)	adjustable	clear	1116	112 545 003 - 000 111 33
22W		adjustable	satine	1116	112 545 004 - 000 111 36
22W		adjustable	no lens	1116	112 545 005 - 000 111 20
22W		non-adjustable w/ flange	clear	1116	112 545 006 - 000 111 28
22W		non-adjustable w/ flange	satine	1116	112 545 007 - 000 111 31
22W		non-adjustable w/ flange	no lens	1116	112 545 008 - 000 111 34
29W	46.3" (1176 mm)	adjustable	clear	1488	112 545 009 - 000 111 37
29W		adjustable	satine	1488	112 545 010 - 000 111 21
29W		adjustable	no lens	1488	112 545 011 - 000 111 29
29W		non-adjustable w/ flange	clear	1488	112 545 012 - 000 111 32
29W		non-adjustable w/ flange	satine	1488	112 545 013 - 000 111 35
29W		non-adjustable w/ flange	no lens	1488	112 545 014 - 000 111 38

EXTERNAL OPERATING DEVICES	MAX. WATTAGE	INPUT VOLTAGE	OUTPUT	PART #
	17W	120-277V DC, 50/60Hz	24V DC	209 585 028
	20W	120-240V, 50/60Hz	24V DC	209 585 029 - 000 989 30
	50W	120V, 50/60Hz	24V DC	209 585 030
	75W	120-277V DC, 50/60Hz	24V DC	209 585 031

Required for 120-277V operation

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# HI 20

## COMPACT HALOGEN SPOT

### FEATURES

- 20W IRC halogen lamp last 4,000 hrs
- Variety of beam spreads available
- Convenient switch on luminaire head
- Arm length of 24 inches with gooseneck and 32 inches with articulating arm
- 5-axis arm movement
- Universal base for permanent mounting
- Plug-in transformer for 120V operation
- Pivoting head, gooseneck and articulating arm versions available
- Wide range of accessories available

### SPECIFICATIONS:

Voltage	12V or 24V AC/DC, 50/60Hz
Lamping	1 x 20W IRC halogen
Operation	switch on some models
Beam Angle	24° lamp incl. (10°, 38° and 60° lamps available)
Luminaire Material	aluminum head, powder-coated steel arm
Lens Material	borosilicate glass
Arm Reach	24" gooseneck or 27" articulating arm
Power Consumption	20W
Protection Rating	IP20
Cord/Plug	4.9' cord w/ free stranded wires
Mounting	includes 4-hole universal mounting base

\*various mounting options available



The HI 20 has been designed to take advantage of the latest in halogen lamp technology, IRC Halogen. This technology generates more usable light in the visible spectrum, providing increased lumens with less energy consumption. This lamp technology also doubles the rated lamp life when compared to standard MR-16 halogen lamps. The new IRC halogen lamps are available in a variety of beam angles from narrow spot to wide flood (10°, 24°, 38° and 60° beam angles) and offer precise light distribution. The HI 20 comes in three different versions designed to accommodate your most unique task lighting requirements. It's sturdy metal head, sealed for increased service life, protects from dust, dirt and debris. The HI 20 Series offers enhanced productivity for your facility in large or small work areas.

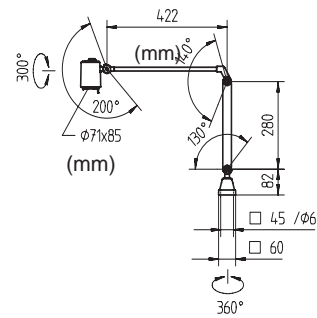
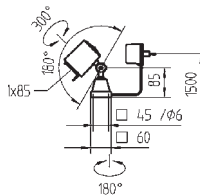
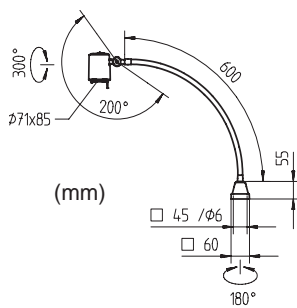


**DIMENSIONAL DATA**

GOOSENECK ARM

PIVOTING HEAD

ARTICULATING ARM



**ORDERING INFORMATION**

DESCRIPTION	VOLTAGE	120V TRANSFORMER INCL.	MODEL	PART #
Articulating Arm, 27-inch reach	120V	Yes	HIBF-20 N	112 417 061
Articulating Arm, 27-inch reach	12V	No	HIBF-20 S	112 416 065
Gooseneck Arm, 23-inch reach	120V	Yes	HITF-20 N	112 415 081
Gooseneck Arm, 23-inch reach	12V	No	HITF-20 S	112 414 085
Pivoting Head, Universal Base only	120V	Yes	HIXF-20 N	112 419 061
Pivoting Head, Universal Base only	12V	No	HIXF-20 S	112 418 065

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# HSW

## WATERPROOF HALOGEN SPOT

### FEATURES

- Waterproof (IP65) halogen spot light designed for industrial use
- Heavy-duty 32" articulating arm provides maximum reach
- A 4-hole mounting base is included for secure permanent installations
- Easily accessible, built-in ergonomic switch on luminaire head
- HSW- 20 and HSWK-20 models available for 12V operation
- The HSWK-75 pivoting head version is ideal for smaller machines and work areas requiring very high illumination levels
- Industrial-grade arm systems are designed for years of trouble-free service, allowing for constant repositioning and precise adjustment

### SPECIFICATIONS:

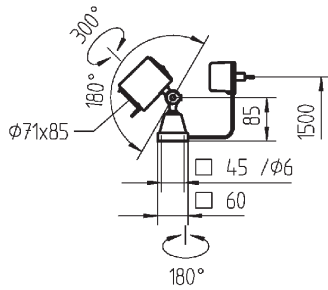
Voltage	12V or 24V AC/DC, 50/60Hz
Lamping	1 x 20W or 75W halogen
Operation	switch on some models
Beam Angle	10° or 38°
Luminaire Material	high-impact ABS plastic
Lens Material	borosilicate glass
Lens Dimensions	HSW-20: 2.2 in. diameter glass lens HSW-75: 4.2 in. Diameter double glass lens
Arm Reach	23 in. or 27 in.
Protection Rating	IP65
Cord/Plug	includes 4-hole mounting base
Mounting	*various mounting options available



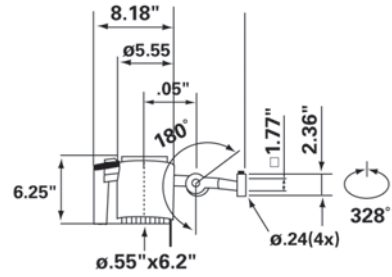
The HSW Series from Waldmann utilizes 20W and 75W halogen lamps to generate bright, focused light to the machining area. Suitable for use on most production machines and equipment, the HSW Series offers both 12V and 24V lighting equipment for easy connection and integration with existing equipment. It also makes an ideal upgrade for many original task lights found on machines that fail in difficult industrial environments. The HSW-75 waterproof halogen light delivers over 40% more light to the work surface than standard halogen lights by utilizing a 75-watt halogen lamp with a special reflector design. To provide glare-control, a built-in louver minimizes harsh, unwanted glare and light spill. All usable light is directed towards the work area and away from the machine operator's eyes, increasing safety. The HSW works well in wet applications and is impervious to coolants, oils and other lubricants. Ideal for machining areas where fluids are present. Typical applications include CNC machinery, drill presses, punch presses, mills, lathes and turning centers.



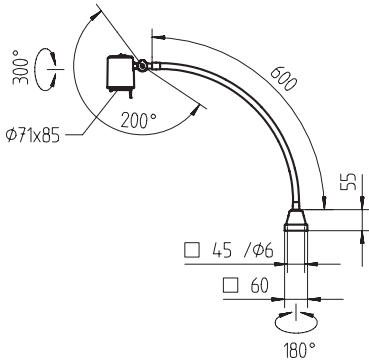
**DIMENSIONAL DATA**



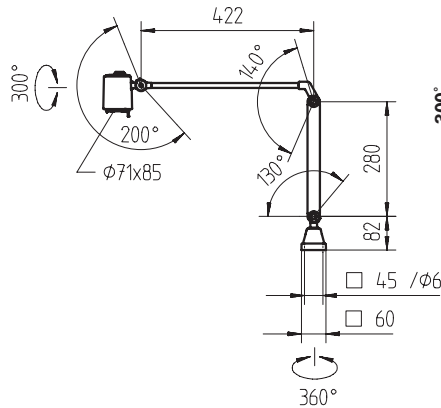
HSWK-20  
PIVOTING HEAD



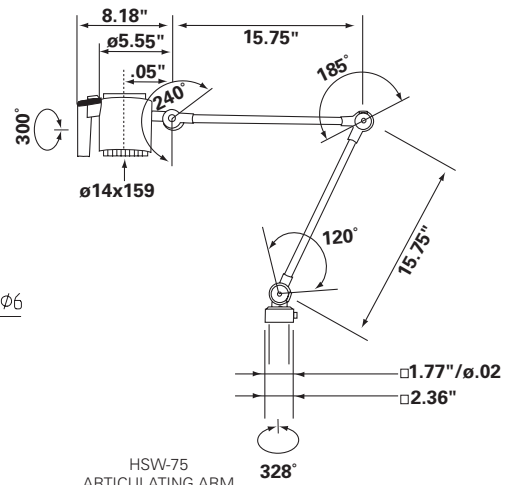
HSWK-75  
PIVOTING HEAD



HSWT-20  
GOOSENECK



HSW-20  
ARTICULATING ARM



HSW-75  
ARTICULATING ARM

**ORDERING INFORMATION**

DESCRIPTION	WATTAGE	VOLTAGE	SWITCH INCLUDED	MODEL	PART #
Articulating Arm	20W	12V	Yes	HSW-20	112 043 000
Articulating Arm	20W	24V	Yes	HSW-20	112 043 010
Pivoting Head	20W	12V	No	HSWK-20	112 081 000
Pivoting Head	20W	24V	No	HSWK-20	112 081 010
Gooseneck Arm	20W	12V	Yes	HSWT-20	112 049 000
Gooseneck Arm	20W	24V	Yes	HSWT-20	112 049 010
Articulating Arm	75W	12V	Yes	HSW-75	112 185 000
Articulating Arm	75W	24V	Yes	HSW-75	112 185 010
Pivoting Head	75W	12V	No	HSWK-75	112 187 003
Pivoting Head	75W	24V	No	HSWK-75	112 187 013



# HG

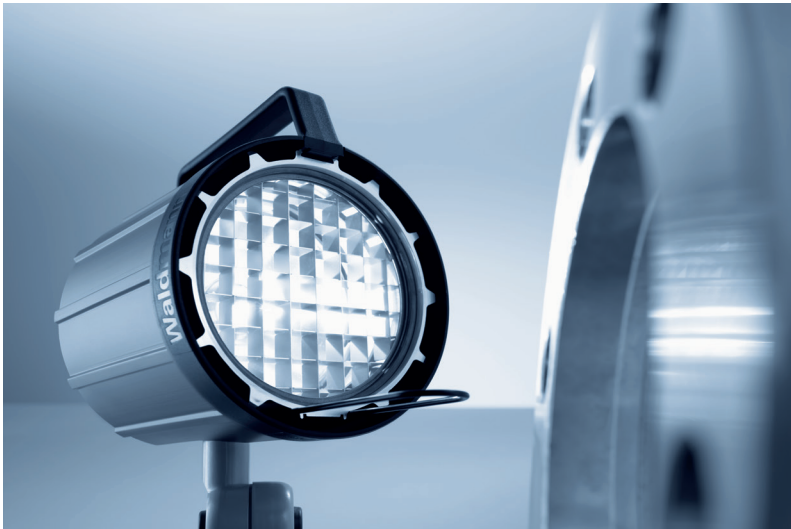
## WATERPROOF HALOGEN SPOT

**FEATURES:**

- Halogen industrial task light designed for large machining areas
- Available in waterproof (HGW & HGWK) and non-waterproof models (HG)
- Low voltage models require only 24V supplied to the lamp, improving operator safety
- 120V versions include a remote transformer in waterproof case for plug-in 120V operation
- Extruded aluminum ergonomic handle and heat shield provide safe, easy positioning
- The head has 3 adjustable positioning axes
- A 5in head with side connection strain reliefs and terminal block, insure easy installation
- Optional transformers are available either alone or mounted inside waterproof cases
- 4-hole mounting base included
- 12V models are available. Please contact Customer Service for additional information.

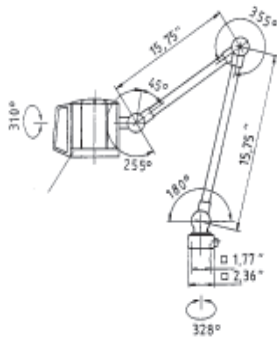
**SPECIFICATIONS:**

Voltage:	24V or 120V, 50/60Hz
Lamping:	55W or 60W halogen
Luminaire Body:	Extruded aluminum head, steel arm
Operation:	models available with or without switch
Lens Cover:	Borosilicate glass
Protection Rating:	HG - IP20
	HGW - IP65 w/switch
	HGW - IP67 without switch
Cord Length:	10ft (3m)

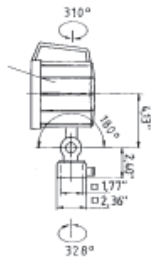


When a powerful halogen spot light is required on machinery, Waldmann halogen luminaires are the perfect solution. The HG and HGW Series of halogen luminaires offer a concentrated, intense light beam for your larger machining areas. The ingenious anti-glare louver in the HG and HGW head prevents glare from bothering co-workers. The HGW-70 machine light is the high powered solution for work areas requiring an intense light over longer distances. The 32" arm is available for maximum positioning. The 18" arm may be used in areas with less space. Both models include a double lens for heat reduction. The waterproof pivoting head version of our powerful HGW halogen series provides an intense light source where space is limited under harsh conditions.

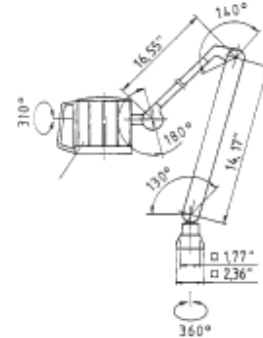
## DIMENSIONAL DATA



HG ARTICULATING ARM



HGWK PIVOTING HEAD



HGW ARTICULATING ARM

## ORDERING INFORMATION

DESCRIPTION	WATTAGE	VOLTAGE	SWITCH	IP RATING	MODEL	PART #
Articulating Arm	55W	120V	Yes	IP20	HG-55	108 690 000
Pivoting Head, w/switch	60W	24V	Yes	IP65	HGWK-70	008 308 802
Pivoting Head, no switch	60W	24V	No	IP67	HGWK-70	008 308 800
Articulating Arm, 18"	60W	24V	Yes	IP65	HGW-70	100 870 801
Articulating Arm, 32"	60W	24V	Yes	IP65	HGW-70	100 870 803
Articulating Arm, 18", in-line transformer	60W	120V	Yes	IP65	HGW-70	108 870 801
Articulating Arm, 32", in-line transformer	60W	120V	Yes	IP65	HGW-70	108 870 802

For mounting options see page 41

## ACCESSORIES

DESCRIPTION	PART #
Replacement Lamp, halogen, 55W, 12V, H3 (Fits HG-55 120V models with 12V transformer only)	450 055 300
Replacement Lamp, halogen, 60W, 24V, H3, (Fits all HGW 24V and 120V models)	450 070 300
Transformer, enclosed w/case, 60VA, 120V, 50/60Hz, input to 24V output (For use with all HGW 24V models)	150 127 M19
Transformer, without case, 60VA, 120V 50/60Hz, input to 24V output (For use with all HG & HGW 24V models)	150 125 M19
Transformer, without case, 60VA, 230V 50/60Hz, input to 24V output (For use with all HG & HGW 24V models)	150 048 019
Replacement Lens, hardened glass, clear (For use with all HG & HGW models)	305 412 010
Replacement Lens, tempered glass, clear (For use with HG & HGW models)	305 412 030
Replacement Lens, hardened glass, frosted (For use with all HG & HGW models)	305 412 020
Fuse, T0.5A, 12V, 55W, (For use only with HG 12V models)	950 900 057



# RL70

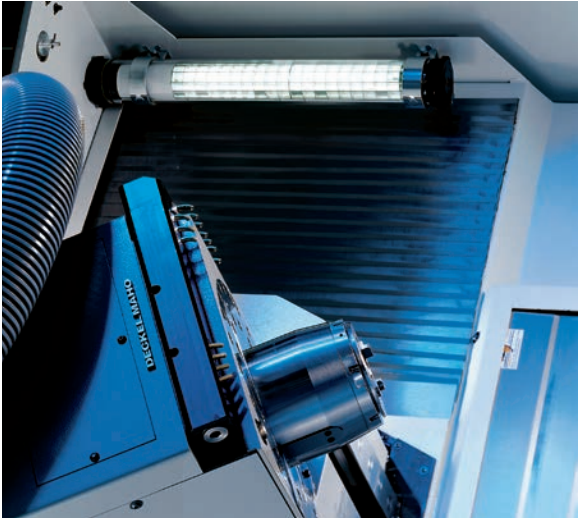
## INDUSTRIALTUBE LIGHT

### FEATURES

- RL70 C Series - For CFL lamps, available w/ magnetic (CV) or electronic ballast (CE)
- RL70 E Series - For standard bi-pin T5, T5HO and T8 lamps, electronic ballast only
- RL70 S Series- For remote ballast applications, ballast not included
- "All-In-One" models are pre-wired with electronic ballast, 8ft cord set and brackets
- "H" models include piggyback, low-profile electronic ballasts, louver and end caps

### SPECIFICATIONS:

Voltage	24V AC or DC, 120-277V, 50/60Hz
Lamping	various
Operation	connect to external source
Color Temperature (Kelvin)	4000K
Tube Material	acrylic or borosilicate glass
Dimension	2.75" diameter, various lengths
Protection Rating	IP67
Cord/Plug	only on specified models
Mounting	various brackets



The RL70 industrial tube light provides broad, wide area illumination inside the machine compartment and is ideal for areas requiring a high output, linear fluorescent light source. This durable, waterproof (IP67) luminaire is available in varying lengths, with a variety of mounting options to fit a wide range of applications. Available with either glass or acrylic tubes, the RL70 is designed to illuminate hard to reach areas too small for traditional luminaire mounting. It is designed to be impervious to debris, coolants and lubricants found inside the machine compartment. The \ With a wide range of sizes, variants and mounting accessories, RL70 installs easily in a variety of equipment, machine compartments and enclosures. They are available in lengths from 17" to 67" and provide powerful, glare-free illumination. Low-voltage models are also available in 24V DC for improved safety and connection to an existing 24V power supply on the machine.

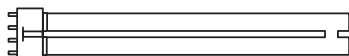


**RL70 C SERIES** (For CFL lamps)

MODEL	PART #	VOLTAGE	TUBETYPE	LENGTH inches (mm)	LAMPING	LOUVER	REPL TUBE
RL70CV-118	108 500 000	120V, 60Hz	Acrylic	17.6in (447mm)	1 x 18W T5 CFL	US0 300 030	305 169 060
RL70CV-118	108 500 001	120V, 60Hz	Glass	17.6in (447mm)	1 x 18W T5 CFL	US0 300 030	305 226 020
RL70CV-118*	108 500 M00	120V, 60Hz	Acrylic	17.6in (447mm)	1 x 18WT5 CFL	US0 300 030	305 169 060
RL70CV-118*	108 500 M01	120V, 60Hz	Glass	17.6in (447mm)	1 x 18W T5 CFL	US0 300 030	305 226 020
RL70CE-118	041 803 016	100-120V, 60Hz	Acrylic	18.9in (480mm)	1 x 18W T5 CFL	US0 300 010	305 169 330
RL70CE-118	041 803 015	100-120V, 60Hz	Glass	18.9in (480mm)	1 x 18W T5 CFL	US0 300 010	305 226 280
RL70CE-118	112 370 000	24V DC	Acrylic	20.6in (524mm)	1 x 18W T5 CFL	US0 300 180	305 169 910
RL70CE-118	112 370 001	24V DC	Glass	20.6in (524mm)	1 x 18W T5 CFL	US0 300 180	305 226 720
RL70CE-118	112 369 000	24V AC, 50/60Hz	Acrylic	20.6in (524mm)	1 x 18W T5 CFL	US0 300 180	305 169 910
RL70CE-118	112 369 001	24V AC, 50/60Hz	Glass	20.6in (524mm)	1 x 18W T5 CFL	US0 300 180	305 226 720
RL70CV-124	108 510 000	120V, 60Hz	Acrylic	23.6in (600mm)	1 x 24W T5 CFL	US0 300 020	305 169 020
RL70CV-124	108 510 001	120V, 60Hz	Glass	23.6in (600mm)	1 x 24W T5 CFL	US0 300 020	305 226 060
RL70CE-124	108 670 000	120-277V, 50/60Hz	Acrylic	26.7in (679mm)	1 x 24W T5 CFL	US0 300 050	305 169 450
RL70CE-124	108 670 001	120-277V, 50/60Hz	Glass	26.7in (679mm)	1 x 24W T5 CFL	US0 300 050	305 226 660
RL70CE-124*	108 670 M00	120V, 60Hz	Acrylic	26.7in (679mm)	1 x 24W T5 CFL	US0 300 050	305 169 450
RL70CE-124*	108 670 M01	120V, 60Hz	Glass	26.7in (679mm)	1 x 24W T5 CFL	US0 300 050	305 226 660
RL70CE-124H**	112 484 010	100-277V, 50/60Hz	Acrylic	19.5in (495mm)	1 x 24W T5 CFL	Included	325 713 110
RL70CE-124H**	112 484 011	100-277V, 50/60Hz	Glass	19.5in (495mm)	1 x 24W T5 CFL	Included	335 035 040
RL70CE-124	111 440 000	24V DC	Acrylic	25.2in (639mm)	1 x 24W T5 CFL	US0 300 050	305 169 020
RL70CE-124	111 440 001	24V DC	Glass	25.2in (639mm)	1 x 24W T5 CFL	US0 300 050	305 226 060
RL70CE-124	111 410 000	24V AC, 50/60Hz	Acrylic	25.2in (639mm)	1 x 24W T5 CFL	US0 300 050	305 169 020
RL70CE-124	111 410 001	24V AC, 50/60Hz	Glass	25.2in (639mm)	1 x 24W T5 CFL	US0 300 050	305 226 060
RL70CE-136	108 680 000	120-277V, 50/60Hz	Acrylic	31in (788mm)	1 x 36W T5 CFL	US0 300 060	305 169 500
RL70CE-136	108 680 001	120-277V, 50/60Hz	Glass	31in (788mm)	1 x 36W T5 CFL	US0 300 060	305 226 380
RL70CE-136*	108 680 M00	120-277V, 50/60Hz	Acrylic	31in (788mm)	1 x 36W T5 CFL	US0 300 060	305 169 500
RL70CE-136*	108 680 M01	120-277V, 50/60Hz	Glass	31in (788mm)	1 x 36W T5 CFL	US0 300 060	305 226 380
RL70CE-136H**	619 063 010	110-230V, 50/60Hz	Acrylic	21.5in (546mm)	1 x 36W T5 CFL	Included	325 713 120
RL70CE-136H**	619 063 011	110-230V, 50/60Hz	Glass	21.5in (546mm)	1 x 36W T5 CFL	Included	335 035 010
RL70CE-136	111 450 000	24V DC	Acrylic	29.4in (747mm)	1 x 36W T5 CFL	US0 300 190	305 169 130
RL70CE-136	111 450 001	24V DC	Glass	29.4in (747mm)	1 x 36W T5 CFL	US0 300 190	305 226 140
RL70CE-136	111 420 000	24V AC, 50/60Hz	Acrylic	29.4in (747mm)	1 x 36W T5 CFL	US0 300 190	305 169 130
RL70CE-136	111 420 001	24V AC, 50/60Hz	Glass	29.4in (747mm)	1 x 36W T5 CFL	US0 300 190	305 226 140

\* All-In-One model, includes brackets and 8ft cord  
 \*\* Piggyback ballast (ballast located behind lamps), w/ louver

CV = Magnetic Ballast, CE= Electronic Ballast



CFL (PL, BIAX) LAMP



T5 AND T5 HO FLUORESCENT



T8 FLUORESCENT



RL70 E SERIES



RL70 S SERIES



RL70 W/LOUVER

\* All-In-One model, includes brackets and 8ft cord  
 \*\* Piggyback ballast (ballast located behind lamps), w/ louver

CV = Magnetic Ballast, CE= Electronic Ballast

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)

**RL70 E SERIES (For standard bi-pin T5 & T8 lamps)**

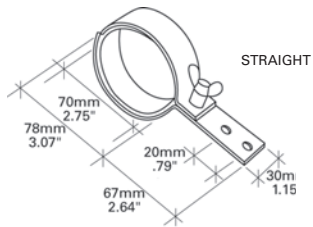
MODEL	PART #	VOLTAGE	TUBE TYPE	LENGTH inches (mm)	LAMPING	LOUVER	REPL TUBE
RL70E-118	111 690 000	24V DC	Acrylic	36.2in (919mm)	1 x F18T8	US0 300 160	305 169 180
RL70E-118	111 690 001	24V DC	Glass	36.2in (919mm)	1 x F18T8	US0 300 160	305 226 270
RL70E-118	111 650 000	24V AC, 50/60Hz	Acrylic	36.2in (919mm)	1 x F18T8	US0 300 160	305 169 180
RL70E-118	111 650 001	24V AC, 50/60Hz	Glass	36.2in (919mm)	1 x F18T8	US0 300 160	305 226 270
RL70E-117	128 100 000	120-277V, 50/60Hz	Acrylic	40.6in (1030mm)	1 x F17T8	US0 300 160	305 169 600
RL70E-117	128 100 001	120-277V, 50/60Hz	Glass	40.6in (1030mm)	1 x F17T8	US0 300 160	305 226 490
RL70E-117*	128 100 900	120V, 60Hz	Acrylic	40.6in (1030mm)	1 x F17T8	US0 300 160	305 169 600
RL70E-117*	128 100 901	120V, 60Hz	Glass	40.6in (1030mm)	1 x F17T8	US0 300 160	305 226 490
RL70E-224	138 451 000	120-277V, 50/60Hz	Acrylic	41.2in (1047mm)	2 x 24W T5HO	US0 300 120	305 169 860
RL70E-224	138 451 001	120-277V, 50/60Hz	Glass	41.2in (1047mm)	2 x 24W T5HO	US0 300 120	305 226 680
RL70E-125	128 110 000	120-277V, 50/60Hz	Acrylic	52.6in (1335mm)	1 x F25T8	US0 300 080	305 169 860
RL70E-125	128 110 001	120-277V, 50/60Hz	Glass	52.6in (1335mm)	1 x F25T8	US0 300 080	305 226 500
RL70E-125*	128 110 900	120V, 60Hz	Acrylic	52.6in (1335mm)	1 x F25T8	US0 300 080	305 169 700
RL70E-125*	128 110 901	120V, 60Hz	Glass	52.6in (1335mm)	1 x F25T8	US0 300 080	305 226 500
RL70E-136	111 730 000	24V DC	Acrylic	60.3in (1532mm)	1 x F36T8	US0 300 000	305 169 400
RL70E-136	111 730 001	24V DC	Glass	60.3in (1532mm)	1 x F36T8	US0 300 000	305 226 330
RL70E-136	111 720 000	24V AC, 50/60Hz	Acrylic	60.3in (1532mm)	1 x F36T8	US0 300 000	305 169 400
RL70E-136	111 720 001	24V AC, 50/60Hz	Glass	60.3in (1532mm)	1 x F36T8	US0 300 000	305 226 330
RL70E-239	138 450 000	120-277V, 50/60Hz	Acrylic	52.7in (1338mm)	2 x 39W T5HO	US0 300 110	305 169 780
RL70E-239	138 450 001	120-277V, 50/60Hz	Glass	52.7in (1338mm)	2 x 39W T5HO	US0 300 110	305 226 340
RL70E-132	128 120 000	120-277V, 50/60Hz	Acrylic	65.2in (1656mm)	1 x F32T8	US0 300 090	305 169 520
RL70E-132	128 120 001	120-277V, 50/60Hz	Glass	65.2in (1656mm)	1 x F32T8	US0 300 090	305 226 510
RL70E-132*	128 120 900	120V, 60Hz	Acrylic	65.2in (1656mm)	1 x F32T8	US0 300 090	305 169 520
RL70E-132*	128 120 901	120V, 60Hz	Glass	65.2in (1656mm)	1 x F32T8	US0 300 090	305 226 510
RL70E-254	138 449 001	120V, 50/60Hz	Glass	67.4in (1711mm)	2 x 54W T5HO	US0 300 100	305 226 670

\* All-In-One model, includes brackets and 8ft cord

**RL70 S SERIES (For use w/ remote ballast, to be purchased separately)**

MODEL	PART #	TUBE TYPE	LENGTH inches (mm)	LAMPING	LOUVER	REPLACEMENT TUBE
RL70C-118 S	108 210 000	Acrylic	14.4in (367mm)	1 x 18W T5 CFL	US0 300 010	305 169 070
RL70C-118 S	108 210 001	Glass	14.4in (367mm)	1 x 18W T5 CFL	US0 300 010	305 226 010
RL70C-124 S	108 470 000	Acrylic	17.6in (447mm)	1 x 24W T5 CFL	US0 300 020	305 169 060
RL70C-124 S	108 470 001	Glass	17.6in (447mm)	1 x 24W T5 CFL	US0 300 020	305 226 020
RL70C-136 S	108 620 000	Acrylic	20.7in (525mm)	1 x 36W T5 CFL	US0 300 040	305 169 010
RL70C-136 S	108 620 001	Glass	20.7in (525mm)	1 x 36W T5 CFL	US0 300 040	305 226 050
RL70-224 S	138 454 000	Acrylic	29.6in (752mm)	2 x 24W T5HO	US0 300 150	305 169 030
RL70-224 S	138 454 001	Glass	29.6in (752mm)	2 x 24W T5HO	US0 300 150	305 226 040
RL70-117 S	128 130 000	Acrylic	30.9in (784mm)	1 x F17T8	US0 300 160	305 169 030
RL70-117 S	128 130 001	Glass	30.9in (784mm)	1 x F17T8	US0 300 160	305 226 040
RL70-239 S	138 453 000	Acrylic	41.6in (1057mm)	2 x 39W T5HO	US0 300 140	305 169 710
RL70-239 S	138 453 001	Glass	41.6in (1057mm)	2 x 39W T5HO	US0 300 140	305 226 520
RL70-125 S	128 140 000	Acrylic	42.9in (1089mm)	1 x F25T8	US0 300 170	305 169 710
RL70-125 S	128 140 001	Glass	42.9in (1089mm)	1 x F25T8	US0 300 170	305 226 520
RL70-132 S	128 150 000	Acrylic	54.9in (1394mm)	1 x F32T8	US0 300 130	305 169 040
RL70-132 S	128 150 001	Glass	54.9in (1394mm)	1 x F32T8	US0 300 130	305 226 030

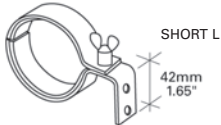
## MOUNTING ACCESSORIES



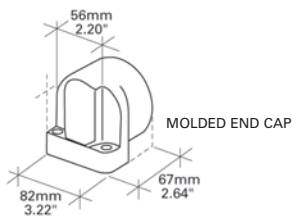
STRAIGHT



LONG L



SHORT L



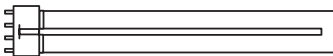
MOLDED END CAP

DESCRIPTION	UOM	PART #
Bracket, Straight, galvanized steel, neoprene inserts	Each	190 015 019
Bracket, Long L, galvanized steel, neoprene inserts	Each	190 015 021
Bracket, Short L, galvanized steel, neoprene inserts	Each	190 015 995
Bracket, Straight, galvanized steel, profiled rubber inserts	Each	190 015 719
Bracket, Long L, galvanized steel, profiled rubber inserts	Each	SK1 021 719
Bracket, Short L, galvanized steel, profiled rubber inserts	Each	SK0 995 719
Bracket, Straight, stainless steel, neoprene inserts	Each	190 180 019
Bracket, Long L, stainless steel, neoprene inserts	Each	190 183 019
Bracket, Short L, stainless steel, neoprene inserts	Each	190 181 019
Bracket, Straight, stainless steel, profiled rubber inserts	Each	190 180 719
Bracket, Long L, stainless steel, profiled rubber inserts	Each	190 169 719
Bracket, Short L, stainless steel, profiled rubber inserts	Each	190 181 719
Molded, plastic end cap, black	Pair*	US0 165 012

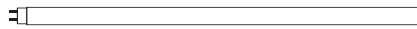
\*All RL models require 2 mounting brackets per fixture unless otherwise noted

## REMOTE BALLASTS FOR S SERIES

BALLAST DESCRIPTION	PART #
Remote Ballast for T5 Lamps, 1 x 24/39W or 2 x 24/39W, 120-277V, 50/60Hz	309 361 050
Remote Ballast for CFL Lamps, 1 x 18/24/36W or 2 x 18/24/36W, 120-277V, 50/60Hz	309 361 030
Remote Ballast for T8 Lamps, 1 x 17/25/32W, 120-277V, 50/60Hz	309 368 010



CFL (PL, BIAx) LAMP



T5 AND T5HO FLUORESCENT



T8 FLUORESCENT

## RL70 REPLACEMENT LAMPS

WATTS	LAMP TYPE	COLOR TEMP	LAMP BASE	LENGTH inches(mm)	AVG. LUMENS	PART #
17	F17T8	4100K	G13	24in (609mm)	1400	450 017 020
18	T5 CFL	4100K	2G11	9in (229mm)	1250	450 018 010
24	T5 CFL	4100K	2G11	22in (559mm)	2000	450 024 M10
25	F25T8	4100K	G13	36in (914mm)	2225	450 025 020
32	F32T8	4100K	G13	48in (1219mm)	2950	450 032 020
36	T5 CFL	4100K	2G11	16.5in (419mm)	2900	450 036 M10
24	T5HO	4100K	G5	22.2in (563mm)	2000	450 024 M12
39	T5HO	4100K	G5	34in (864mm)	3500	450 039 012
54	T5HO	4100K	G5	46in (1168mm)	5000	450 054 012

FOR DETAILED SPECIFICATIONS, PLEASE VISIT [WALDMANNLIGHTING.COM](http://WALDMANNLIGHTING.COM)



# AWD

## COMPACT WATERPROOF INDUSTRIAL TUBE LIGHT

### FEATURES:

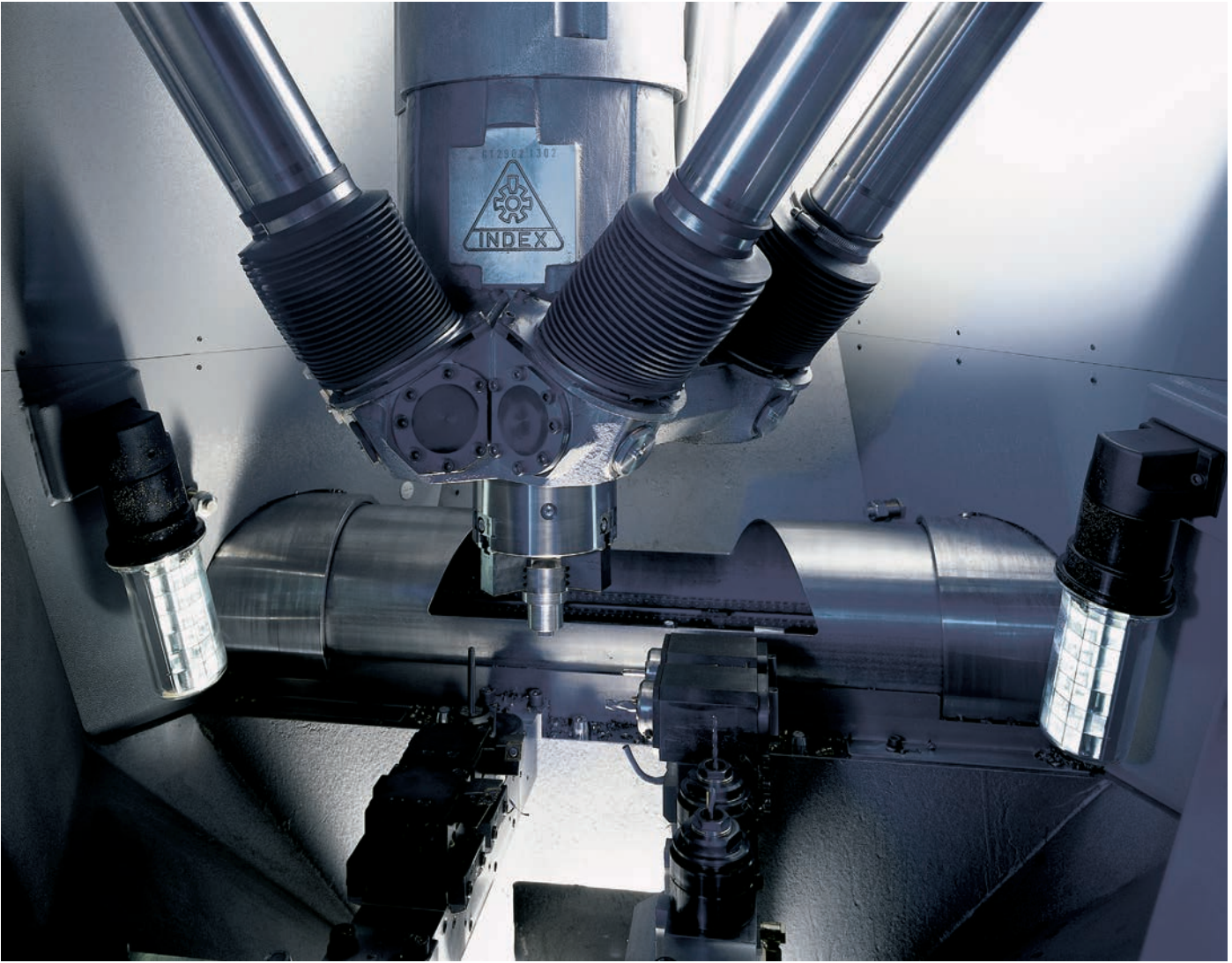
- Size: 11.3in long by 2.75in in diameter
- Water-tight protection rating of IP67
- Long-term protection against coolants, lubricants with borosilicate glass tube
- Fiberglass-reinforced polyamide body
- Steel conduit thread screw for quick connections and easy installation
- Energy-saving and economical CFL lamp technology combined with electronic ballast provides high light output and long lamp life (10,000 hrs)
- Available in 24V DC only

### SPECIFICATIONS:

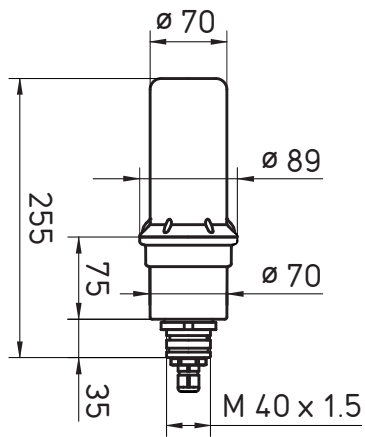
Voltage	24V DC
Lamping	1 x 18W CFL
Operation	connect to external source
Weight	1.8 lb
Color Temperature (Kelvin)	4100K
Color Rendering Index (CRI)	80
Luminaire Material	fiberglass-reinforced polyamide
Tube Material	borosilicate glass
Dimension	11.3 in. in length, 2.75 in. diameter
Power Consumption	18W
Protection Rating	IP67
Mounting	2-prong connector/thread mount
Accessories	aluminum parabolic louver



AWD is ideal for smaller industrial applications requiring a compact, high output luminaire with integral glare control. These 11 inch tubular fluorescent luminaires are available with or without louvers and are completely waterproof with a protection rating of IP67. Louvers provide glare-free illumination and precise directional light to work areas and machine interiors. AWD is sealed completely against dust, water, petroleum-based fluids, and is designed to withstand the impact of flying debris and hot metal chips. AWD is also suitable for applications where vibration and impact may be present. CFL (Compact Fluorescent Lamps) provide energy-efficient, bright illumination and are easy to maintain. With 4100K color temperature lamps for neutral color appearance, the AWD Series is perfect for general illumination in areas requiring a small form factor. Tubes are made of borosilicate glass for petroleum-based fluids and coolants.



AWDCE-118 with louver



WALL BRACKET

## ORDERING INFORMATION

DESCRIPTION	PART #
AWDCE-118 with glass tube - no louver	112 153 001
AWDCE-118 with glass tube - with louver	112 153 011
Wall Bracket	191 092 019
Replacement Lamp, 18W, 4100K	450 018 182



## Industrial Lighting | Task & Workbench

TANEO

40 - 41

TAMETO

42 - 43

MINELA

44 - 45

SNE

46 - 47

Machine

Task & Workbench

Magnification & Inspection

Accessories



# TANEO

## ARM-MOUNTED LED LUMINAIRE

### Features at a glance

- 12, 24 or 36 x LED
- Power consumption 15, 31 or 47 W
- Color temperature neutral white 4,000 K or 5,000 K
- Glare-free thanks to Conical Prismatic Screen (CDP) or white opal screen
- Housing made of colorless anodized aluminum and black plastic, screen made of PMMA (CDP) or PC (white opal screen)
- Spring-balanced arm with 3D head joint
- Touch panel integrated in the luminaire head for On/Off and dimming
- System of protection IP20, class of protection III (luminaire) and II (power supply)
- Wall power supply (15 W) or table power supply (31 and 47 W), 100 – 240 V, 50/60 Hz, 3 m mains lead
- Various fastenings as accessories (see catalog)

### SPECIFICATIONS:

Voltage	100-240V, 50/60Hz
Lamping	12, 24 or 36 x LED
Controls	touch panel w/ switch on head
Weight	range between 2 to 5 lb
Color Temperature (Kelvin)	4000K or 5000K
Color Rendering Index (CRI)	80
Luminaire Head Material	anodized aluminum
Arm Material	aluminum
Lens Material	polycarbonate
Head Dimension	8.6", 15.7" or 22.7"
Arm Reach	40" reach (arm version)
Power Consumption	13W, 26W or 37W
Protection Rating	IP20
Certification	ETL/cETL approved CE marked
Cord/Plug	11' power cord w/ plug
Mounting	*various mounting options available
Accessories Available	3.5 diopter add-on magnifier

SEE MOUNTING AND ACCESSORIES ON PAGE X

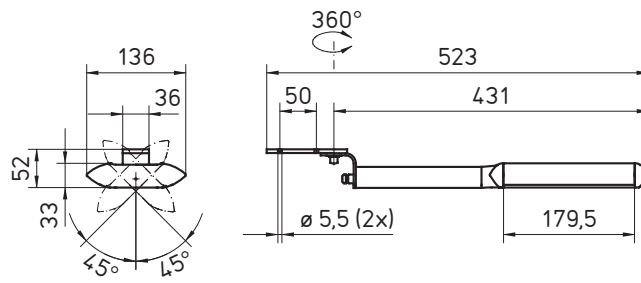
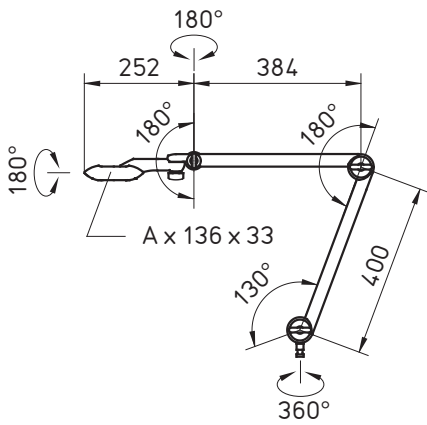


Whether in manufacture, assembly, quality assurance or analysis, whether in labs, or the electronic, metal or watch industries: TANEO is a truly universal talent. With luminous power to suit the particular application, high lighting quality and ergonomic handling, it provides optimum working conditions and is incomparable when it comes to adjusting to individual and task-related requirements. With three available output levels, the TANEO can properly fulfill every illuminance requirement. The advantage: Both in the procurement and in the operation, the costs are based on what is really needed. But no matter what the illuminance, the TANEO is always particularly energy-efficient. It consumes 30 % less energy in comparison to conventional task luminaires with the same luminous power.



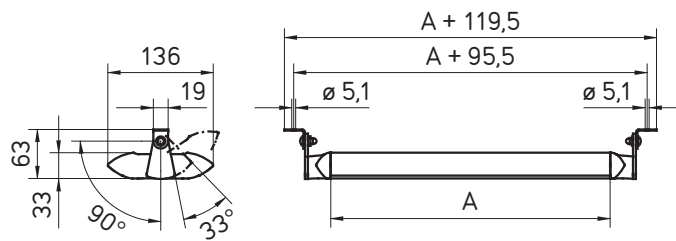


**DIMENSIONAL DATA**



Dimension A:  
15 W = 218 mm,  
31 W = 398 mm,  
47 W = 577 mm

Dimension A: 31 W = 359.5 mm, 47 W = 538.5 mm



\* E<sub>m</sub> = medium illuminance; E<sub>max</sub> = maximum illuminance; <sup>1</sup> Measuring range 100 cm x 100 cm/Measuring distance 50 cm

**ORDERING INFORMATION**

WATTAGE	LENS	COLORTEMP	MOUNTING	MODEL	PART #
15 W	Conical prisms	4000 K	Bench	STZL 12 R	112 576 000 - 005 441 67
15 W	Conical prisms	5000 K	Bench	STZL 12 R	112 576 000 - 005 397 57
15 W	White opal	4000 K	Bench	STZL 12 R	112 576 000 - 005 595 52
15 W	White opal	5000 K	Bench	STZL 12 R	112 576 000 - 005 595 71
31 W	Conical prisms	4000 K	Bench	STZL 24 R	112 577 000 - 005 441 79
31 W	Conical prisms	5000 K	Bench	STZL 24 R	112 577 000 - 005 397 74
31 W	White opal	4000 K	Bench	STZL 24 R	112 577 000 - 005 595 74
31 W	White opal	5000 K	Bench	STZL 24 R	112 577 000 - 005 595 77
47 W	Conical prisms	4000 K	Bench	STZL 36 R	112 578 000 - 005 441 82
47 W	Conical prisms	5000 K	Bench	STZL 36 R	112 578 000 - 005 397 77
47 W	White opal	4000 K	Bench	STZL 36 R	112 578 000 - 005 595 80
47 W	White opal	5000 K	Bench	STZL 36 R	112 578 000 - 005 595 83



# TAMETO

## WORKSTATION LIGHTING

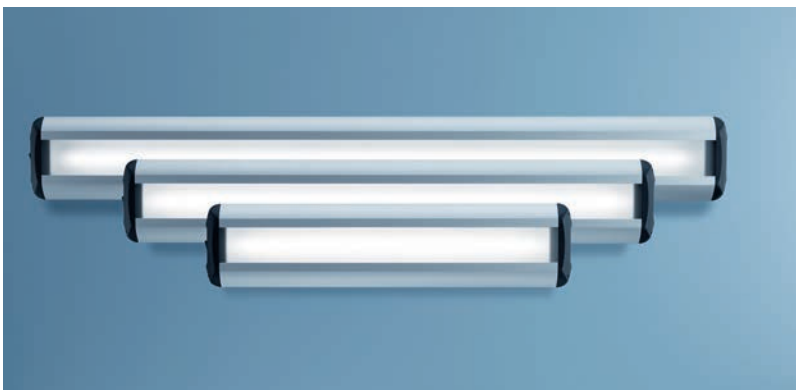
### FEATURES

- Various lengths for different bench widths and lighting requirements
- Up to 60% energy savings and up to 40% higher illuminance when compared to conventional CFL lamps
- LED or T5 fluorescent lamp options with a service life of up to 50,000 hours (LED) or 24,000 hours (fluorescent)
- Fixed or suspended installation options available
- Minimal heat generation
- Continuously dimmable with memory function (dimming versions only)
- Through-wiring available for electrical daisy-chaining of several luminaires
- Integrated T-slots allow direct installation into truss type workstations
- Closed design for cleanroom applications
- Extremely strong aluminum housing
- Plug-in power cord, 120V 50/60 Hz
- Premium workmanship in accordance with Waldmann's quality standards

### SPECIFICATIONS:

Voltage	24V DC
Lamping - LED	2, 3, or 4 x LED
Lamping - Fluorescent	1 x 24W, 39W, or 54W T8 fluorescents
Controls	rocker switch
Weight	9.5 lb or 12 lb
Color Temperature (Kelvin)	4000K
Color Rendering Index (CRI)	80
Luminaire Head Material	anodized aluminum
Lens Material	PMMA acrylic
Louver Material	ABS metal
Luminaire Dimension	49.5"
Power Consumption	various
Protection Rating	IP20
Cord/Plug	9' w/ shock-proof plug or plug/bushing (thru-wired)
Mounting	multi-dimensional T-rail brackets or C-rail brackets available

[SEE MOUNTING AND ACCESSORIES ON PAGE X](#)



Waldmann's TAMETO is designed to offer broad, bright light output for workbenches and assembly workstations. It reduces glare, eye strain and fatigue, providing a comfortable work environment for long workdays. Strong, sleek and minimalistic, the TAMETO has a closed design suitable for cleanroom applications. Available in LED and T5 fluorescent versions, the extremely long lamp life and 60% energy savings make the TAMETO the perfect complement to a busy workplace



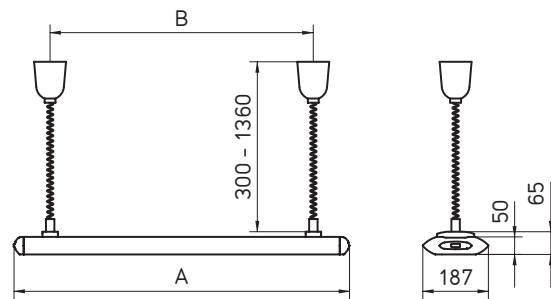
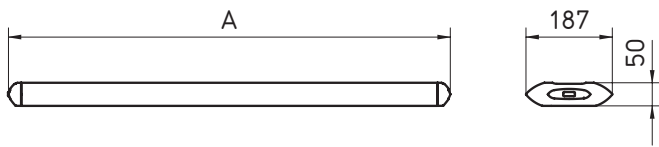
## DIMENSIONAL DATA



TAMETO 600



TAMETO 1200 Pendant



## ORDERING INFORMATION

WATTAGE	LENS	COLOR TEMP	MOUNTING	MODEL	PART #
15 W	Conical prisms	4000 K	Bench	STZL 12 R	112 576 000 - 005 441 67
15 W	Conical prisms	5000 K	Bench	STZL 12 R	112 576 000 - 005 397 57
15 W	White opal	4000 K	Bench	STZL 12 R	112 576 000 - 005 595 52
15 W	White opal	5000 K	Bench	STZL 12 R	112 576 000 - 005 595 71
31 W	Conical prisms	4000 K	Bench	STZL 24 R	112 577 000 - 005 441 79
31 W	Conical prisms	5000 K	Bench	STZL 24 R	112 577 000 - 005 397 74
31 W	White opal	4000 K	Bench	STZL 24 R	112 577 000 - 005 595 74
31 W	White opal	5000 K	Bench	STZL 24 R	112 577 000 - 005 595 77
47 W	Conical prisms	4000 K	Bench	STZL 36 R	112 578 000 - 005 441 82
47 W	Conical prisms	5000 K	Bench	STZL 36 R	112 578 000 - 005 397 77
47 W	White opal	4000 K	Bench	STZL 36 R	112 578 000 - 005 595 80
47 W	White opal	5000 K	Bench	STZL 36 R	112 578 000 - 005 595 83

# MINELA SOL

## WORKBENCH TASK LIGHT

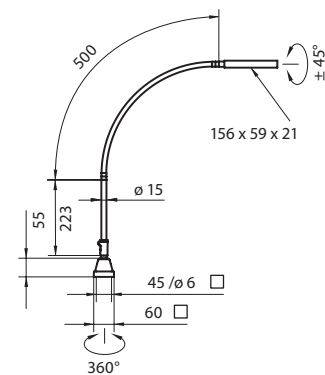
### FEATURES

- 7-watt power multichip LED - high, luminous power with very little energy consumption
- Touch LED sensor for switching and dimming integrated into the luminaire head
- 40,000 hours of LED service life
- Auto-OFF function - switches off automatically after 14 hours of uninterrupted operation
- No shadows whatsoever
- High stability and durability - joints made of glass fiber-reinforced plastic



### SPECIFICATIONS:

Voltage	100-240V, 50/60Hz
Lamping	1 x 5W LED
Operation	touch sensor
Weight	1.7 lb
Color Temperature (Kelvin)	4000K
Color Rendering Index (CRI)	85
Luminaire Material	steel flexible tube
Lens Material	acrylic
Head Dimension	6" x 2.3" x 0.8"
Arm Reach	<b>FPO</b>
Power Consumption	7W
Protection Rating	IP20
Certification	CE marked
Cord/Plug	8.2' w/ plug
Mounting	see mounting and accessories on page x



Minela shines with true innovation illuminating the workspace with a wide swathe of comfortable light. Shadows are completely eliminated due to Waldmann's 5-watt high-power multichip LED strip design. The Minela combines superb lighting quality, energy-efficiency and high design to give the workplace a sleek, productive and functional environment. Minela is a 2011 pia Product Innovation Award "gold" winner and 2010 red dot design award winner.



#### ORDERING INFORMATION

MODEL	COLOR	COLOR TEMP.	PART NUMBER
MINELA	White	2900K	112883039 - 0049370
MINELA	White	3500K	112883000 - 00532576
MINELA	Silver	3500K	112883000 - 00532579
MINELA	White	5000K	112883030 - 00494351
MINELA	Silver	5000K	112883032 - 00494366
Table base	Black	na	1LL00500C
TABLE CLAMP	Black	na	1LL00100C - 00050472

# SNE

## UNIVERSAL INDUSTRIAL TASK



### FEATURES

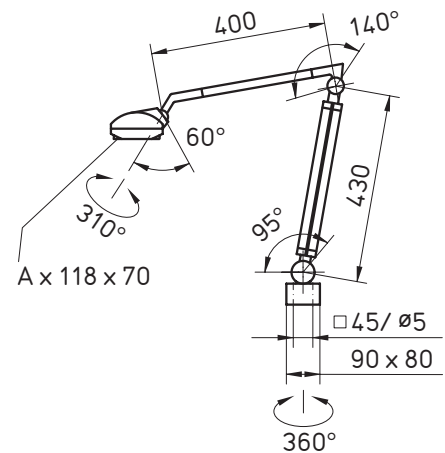
- Long 19" head provides 1900 lumens of light output
- Built-in parabolic louver directs light precisely to work areas and eliminates glare
- 5400K "daylight bulb" is included
- 35" adjustable spring-loaded arm provides easy positioning
- Built-in electronic ballast for energy efficiency

### SPECIFICATIONS:

Voltage	120V, 50/60Hz
Lamping	1 x 36 CFL
Operation	includes switch
Controls	FPO
Weight	6.8 lb
Color Temperature (Kelvin)	5400K
Color Rendering Index (CRI)	95
Lens Cover	polycarbonate
Dimension	head width 19 in./arm reach
Power Consumption	36W
Protection Rating	IP20
Certification	FPO
Cord/Plug	6 ft w/ shock-proof plug
Mounting	4-hole mounting base
	*various mounting options available
Accessories	3-diopter clip-on magnifier



CLIP-ON MAGNIFIER



Dimension A: 18 W = 308 mm  
36 W = 485 mm

The SNE-136 provides wide ambient light to small and mid-size work areas requiring bright illumination for precise visual tasks. It is ideal for mounting on to the workstation, bench or inspection area. SNE features a long, 19in luminaire head designed for a 36W CFL lamp. The built-in parabolic micro-grid louver directs light downward onto the work area and eliminates glare for the operator. A 35in adjustable, spring-loaded arm provides easy positioning and precise orientation. The SNE workstation luminaire has a built-in electronic ballast for greater energy efficiency and long life. The multi-functional SNE-136 task light features a 36-watt compact fluorescent lamp that provides even illumination with maximum light output and excellent color rendering.



#### ORDERING INFORMATION

DESCRIPTION	PART #
SNE-136, 5400K	138 462 003
Clip-on magnifier, 3 diopter (1.75X)	190 182 019
Add-X Lens, 4d (snaps into clip-on magnifier listed above)	190 080 019
Add-X Lens, 4d +12d (snaps into clip-on magnifier listed above)	190 080 029
Replacement Lamp, 36W CFL 4100K	450 036 M10
Replacement Lamp, 36W CFL 5400K (original lamp included with luminaire)	450 036 190
Replacement Lamp, 36W CFL 6000K	450 036 222





## Industrial Lighting | Magnification & Inspection

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TEVISIO 50 - 51

RING LED 52 - 53

OMNIVUE 54 - 55

RLLE 56 - 57

Machine

Task & Workbench

Magnification & Inspection

Accessories



# TEVISIO

## LED MAGNIFIER

### FEATURES:

- 6" diameter wide-angle, scratch-resistant glass lens
- Spring-balanced arm for easy adjustments
- Available in 31" or 39" arm length versions
- Available in ESD versions
- 40% energy savings compared to fluorescents
- 50,000 hours maintenance-free LED life
- 100% to 10% dimming capability

### SPECIFICATIONS:

Voltage	100-240V, 50/60Hz
Lamping	48 x LED
Operation	touch-panel on head
Magnification	3.5 diopters or 3.5d + 8d
Weight	6 lb
Color Temperature (Kelvin)	4000K
Color Rendering Index (CRI)	90
Luminaire Material	anodized aluminum
Lens Material	acrylic
Lens Dimension	6.3" diameter
Arm Reach	31" or 39"
Power Consumption	14W
Protection Rating	IP20
Certification	ETL/cETL
Cord/Plug	12' cord w/ US plug
Mounting	universal base included
Accessories	see page x

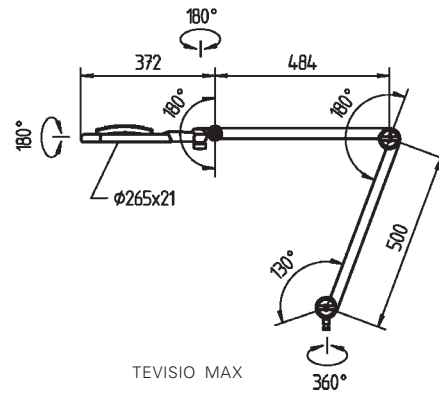
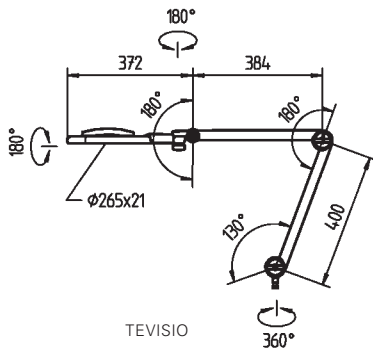


TEVISIO lives up to the high standards of the Waldmann product line. 48 premium LEDs illuminate a 6" wide-angle, distortion free lens. Touch enabled dimming provides customization of the light output from 100% to 10%. Innovative balanced-arm technology (patent pending) allows for easy adjustment and precise positioning while six independent swivel joints turn up to 90 degrees in every direction. TEVISIO compares at 40% more efficient than conventional magnifier luminaires.



## DIMENSIONAL DATA

measurements in mm



## ORDERING INFORMATION

MODEL	REACH	DIOPTR	DIMMING	SWITCHABLE	PART NUMBER
Tevisio	30.9" (784mm)	3.5d	Yes	N/A	112 919 000 - 004 917 86
Tevisio	30.9" (784mm)	3.5d+8d	Yes	N/A	112 919 001 - 004 991 59
Tevisio	30.9" (784mm)	3.5d	Yes	Segment Switching	112 919 002 - 004 991 64
Tevisio	30.9" (784mm)	3.5d+8d	Yes	Segment Switching	112 919 003 - 004 991 70
TevisioMax	38.9" (988mm)	3.5d	Yes	N/A	112 918 000 - 004 908 93
TevisioMax	38.9" (988mm)	3.5d+8d	Yes	N/A	112 918 001 - 004 991 54
TevisioMax	38.9" (988mm)	3.5d	Yes	Segment Switching	112 918 002 - 005 090 20
TevisioMax	38.9" (988mm)	3.5d+8d	Yes	Segment Switching	112 918 003 - 005 090 17
Accessory : Pin Mount Adapter	n/a	n/a	n/a	n/a	US0 209 012
Accessory : Wall Bracket Pin Mount	n/a	n/a	n/a	n/a	308 218 109
Accessory : Pin Mount Table Base	n/a	n/a	n/a	n/a	190 186 019



# RING LED

## LED MAGNIFIER

### FEATURES:

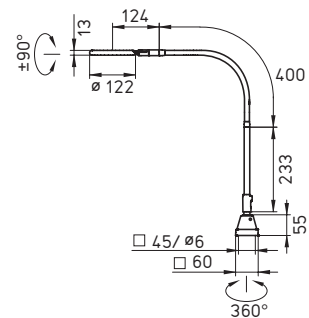
- Only 5 inches in diameter
- Six high-output LEDs
- Maintenance-free
- Touch-switch for on/off operation
- Optical-grade lens with 5.3 diopters
- Universal base with C-clamp mounting
- Plug-in transformer for 120V or 240V
- Ideal for assembly and QC inspection
- Wide light distribution
- Industrial-grade gooseneck arm is strong, even after 20,000 movements
- Sleek and modern design



### SPECIFICATIONS:

Voltage	120-240V, 50/60Hz
Lamping	?? x W LED
Operation	easy touch switch
Magnification	5.3 diopters
Weight	2.2 lb
Color Temperature (Kelvin)	4000K
Color Rendering Index (CRI)	70
Luminaire Material	anodized aluminum arm
Lens Material	hard-coated acrylic
Lens Dimension	2.8" diameter
Arm Reach	15.7"
Power Consumption	6W
Protection Rating	IP20
Certification	CE marked
Cord/Plug	7.5' w/ plug
Mounting	includes 4-hole mounting base

\*various mounting options available



The RING LED is the lighting solution for the precise examination of parts for a number of fields of application – from mechanical engineering to research and development. This workhorse of a light is all business. The sleek design is minimal and fits easily into any workspace. The luminaire head is less than ½" thick and a mere 5" in diameter. The specially coated, distortion-free Eschenbach magnifier lens reaches 2.8" in diameter and offers 5.3 distortion-free diopters. Using innovative LEDs provides critical added value compared to conventional fluorescents: four times more light per watt, considerably lowering energy consumption. These LEDs offer a minimum of 50,000 hours of operating life at 100% brightness level – maintenance free for over six years running 24/7!



#### ORDERING INFORMATION

DESCRIPTION	PART #
RING LED, Magnifier luminaire, RLLQ 6, with universal base	112 885 000
RING LED, Magnifier luminaire, RLLQ 6, with table clamp (200 498 039)	112 885 M10
Clamp, 0 - 2.75"	190 007 019



# OMNIVUE

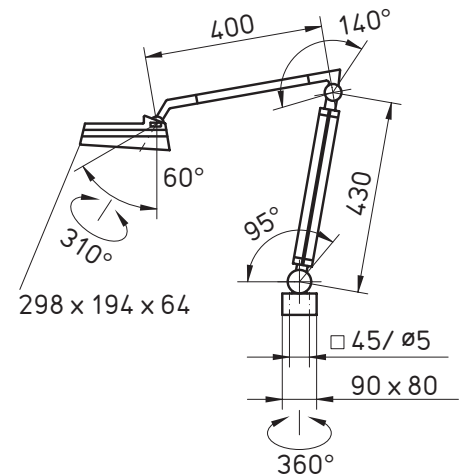
## STADIUM LENS MAGNIFIER

### FEATURES:

- Optical glass lens has 3d magnification
- Stadium lens offers wide viewing angles
- Magnifier tilts independently of light source for precise positioning
- Standard model offers a 35-inch reach
- OmnivueMax extends to 43 inches
- Plug-in 120V operation
- C-clamp provides easy arm installation
- UV and ESD models available

### SPECIFICATIONS:

Voltage	120V, 60Hz
Lamping	3 x 9 CFL
Operation	multi-level switching
Controls	
Magnification	3 diopters
Weight	9.9 lb
Color Temperature (Kelvin)	5000K
Lens Material	optical-grade glass
Lens Dimension	4.25 in. x 6.5 in.
Arm Reach	35 in. or 43 in.
Power Consumption	<b>FPO</b>
Protection Rating	IP20
Certification	ETL/cETL
Cord/Plug	10 ft w/ shock-proof plug
Mounting	includes screw-on table clamp *various mounting options available
Accessories	4d and 4d + 12d add-x lenses, 4d ESD-safe lens



Omnivue features a distinctive, fully rotational 3-diopter magnifier lens for precise positioning and wide area magnification. Omnivue utilizes 3 x 9W CFL lamps, instead of the typical 2 lamp configuration used by others. Omnivue provides either two or three lamp operation with the flip of a switch. Two high-quality rocker switches, built into the head, provide on/off switching as well as 18 or 27 watts of light output. The Omnivue's fully pivoting, large stadium lens provides outstanding clarity and sharpness. By positioning the magnifier independently of the light source, excellent visual contrast can be achieved, allowing precise inspection. The C-clamp universal base included with the Omnivue is designed for industrial applications and can be permanently installed or used as a portable table clamp.



#### ORDERING INFORMATION

DESCRIPTION	PART #
Omnivue, 120V, 35in reach	118 790 000
OmnivueMax, 120V, 43in reach	047 803 000
Omnivue ESD w/35in reach	138 425 000
OmnivueMax ESD w/43in reach	138 425 001
Add-X Lens, 4d (2X)	190 080 019
Add-X Lens, 4d + 12d (2X + 4X)	190 080 029
Add-X ESD Lens, 4d	190 080 049
Replacement Lamp, 9W CFL, 5000K (Sold individually)	950 900 038
Replacement Lamp, UV, 9W CFL (Sold individually)	US0 007 013

# RLLE

## ROUND LENS MAGNIFIER

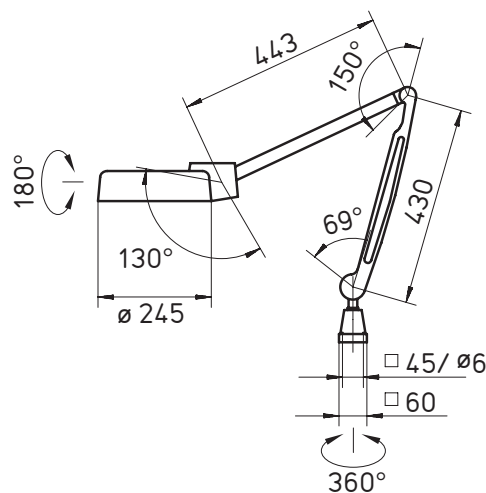


### FEATURES

- Optical-grade glass lens provides 4 diopters of magnification
- For increased magnification, a 4d "Add-X" lens is available
- 22W circline lamp
- Spring-loaded arm allows precise adjustability of the magnifier
- Included satine acrylic lens cover protects against dust and scratches
- RLLE Max has a 43.5in arm and handle for maximum adjustability
- A basic clamp is included and can be used for portable mounting
- No exposed springs eliminates spring corrosion and improves safety
- Lockable pivoting joints allow fixed positioning of magnifier arm

### SPECIFICATIONS:

Voltage	120V, 50/60Hz
Lamping	1 x 22W circline fluorescent
Magnification lens available)	4 or 4+12 diopters (with 4d add-x
Controls	switch included
Weight	6.8 lb
Color Temperature (Kelvin)	4100K
Lens Diameter	4.7 in. diameter
Head Dimension	9.7 in.
Arm Reach	37 in. or 43 in.
Power Consumption	22W
Protection Rating	IP20
Certification	ETL/cETL
Cord/Plug	6 ft cord
Mounting	table clamp included
	*various mounting options available
Accessories	4 diopter add-on magnifying lens



ADD-X LENS FOR RLLE

The RLLE Series is a conventional approach to magnification and inspection lighting. It provides 4 diopters of magnification and the most rugged construction of any "Ring Magnifier" in the industry. An optional snap-in Add-X lens increases magnification to 8 diopters. The RLLE Series magnifier is ideal for inspection applications requiring bright light and strong magnification in a compact, round magnifier. RLLE includes an energy-efficient electronic ballast and satine acrylic lens for smooth, diffuse light. The high-quality, optical-grade magnifier is distortion-free and the industrial grade arm with hidden springs and lockable pivoting joints provide precise positioning and adjustment. Arm-mounted switch allows for easy access and one-handed operation. Universal pin mount allows a variety of mounting and installation options.

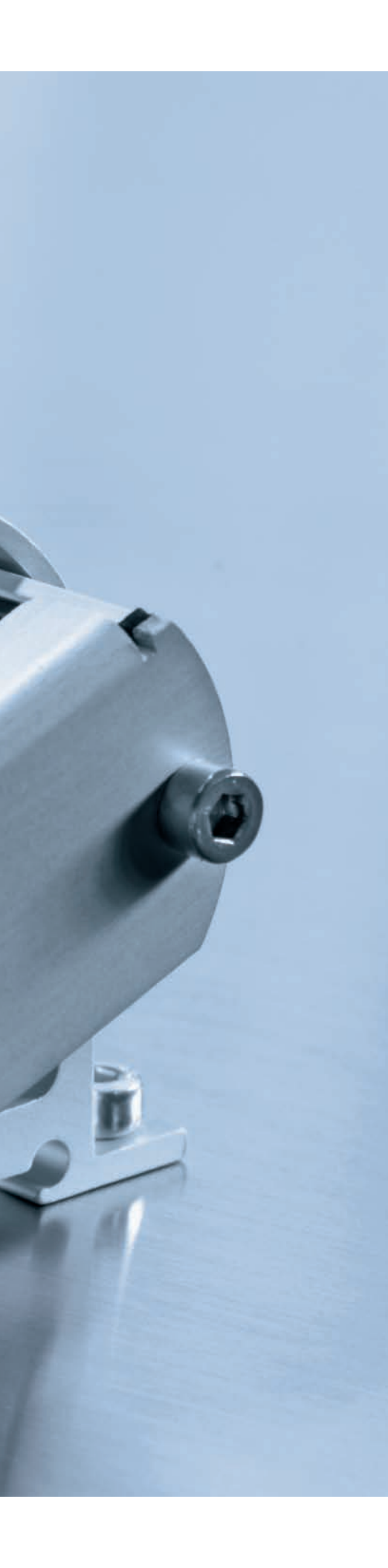




#### ORDERING INFORMATION

DESCRIPTION	PART #
RLLE-122, 120V, 4d, w/37in reach, w/ C-clamp	138 442 000
RLLE-122, 120V, 4d+12d, w/37in reach, w/ C-clamp	138 442 001
RLLE-122 Max, 120V, 4d, w/43.5in reach, w/ C-clamp	138 442 005
RLLE-122 Max, 120V, 4d+12d, w/43.5in reach, w/ C-clamp	138 442 009
Replacement Lamp, 22W circline, 4100K	450 022 010
Add-X Lens, 4d (2X)	190 054 019





## ACCESSORIES | MACHINE

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MACH LED PLUS	50
MACH LED	49
LUMATRIS	49
SPOT LED	51
FLAT LED	48
ABL LED	48
HEAD LED	48
ONE LED	50
SLIM LED	51

## ACCESSORIES | TASK & WORK BENCH

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TAMETO	52
TANEO	52
MINELA	50

## ACCESSORIES | MAGNIFICATION & INSPECTION

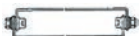



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TEVISIO	53
RING LED	51



**ABL LED ACCESSORIES**



ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Universal Base (included)	204090019
	MOUNTING OPTION: Clamp 0 - 2.75" span	190007019-00014904
	MOUNTING OPTION: Clamp 2.5" - 5.4" span	190033019-00014950
	MOUNTING OPTION: Universal Mount Table Base	190036109-00058238
	MOUNTING OPTION: Magnetic Base	190057019-00015056
	OPERATING DEVICE, Type A, 19.2V-28.8V, 700mA	209582019-00048793
	OPERATING DEVICE, VLM, 95V-240V, 700mA	209585019-00045202







**FLAT LED ACCESSORIES**

ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Swivel Bracket	203081019-00019478
	OPERATING DEVICE: Max. Wattage = 20W to run at 120-240V, 50/60Hz	209585029-00098930
	OPERATING DEVICE: Max. Wattage = 50W to run at 120V, 50/60Hz	209585030
	OPERATING DEVICE: Max. Wattage = 75W to run at 120-277V, 50/60Hz	209585031











**HEAD LED ACCESSORIES**

ITEM	DESCRIPTION	PART NUMBER
	LED Driver, 120-277V, 17W, 700mA	950900026
	M12 Connector Plug (included)	330603020-00002947




LUMATRIS ACCESSORIES		
ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Side Mounting Bracket, Pair, for 3.7" length	408001015-00595587
	MOUNTING OPTION: Side Mounting Bracket, Pair, for 6.7" length	408001035-00514268
	MOUNTING OPTION: Pivoting Arm Mount	408001033-00514262
	MOUNTING OPTION: Mounting Frame, 9.7" x 3.7" (246 mm x 95 mm)	408001016-00595619
	MOUNTING OPTION: Mounting Frame, 16.5" x 3.7" (420 mm x 95 mm)	408001017-00595613
	MOUNTING OPTION: Mounting Frame, 16.5" x 6.7" (420mm x 170mm)	408001037-00518121
	MOUNTING OPTION: Mounting Frame, 30.3" x 6.7" (770mm x 170mm)	408001034-00514265
	ACCESSORY: M12 Connector, Straight, 5-pin (included)	336615019-00522018
	ACCESSORY: Connector, Right Angled, 5-pin, M12	336615029-00522015
	OPERATING DEVICE: Max. Wattage = 75W to run at 120-277V, 50/60Hz	209585031

MACH LED ACCESSORIES		
ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Mounting Ring Kit, includes two rings, aluminum	408001952-00459389
	MOUNTING OPTION: Mounting Clip, sold individually, stainless steel	306266022-00085912
	MOUNTING OPTION: Mounting Strap, sold individually, stainless steel	190174029-00086600
	OPERATING DEVICE: Max. Wattage = 20W to run at 120-240V, 50/60Hz	209585029-00098930
	OPERATING DEVICE: Max. Wattage = 50W to run at 120V, 50/60Hz	209585030
	OPERATING DEVICE: Max Wattage = 75W to run at 120-277V, 50/60Hz	209585031




### MACH LED PLUS ACCESSORIES

ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: End Bracket Set, Adjustable, +/- 65°	408001876-00582065
	MOUNTING OPTION: Clip Bracket, Adjustable, +/- 30° (sold separately)	408001878-00585535
	MOUNTING OPTION: Protective Cap Set (not for use with end brackets)	408001875-00582072
	OPERATING DEVICE: Max. Wattage = 20W to run at 120-240V, 50/60Hz	209585029-00098930
	OPERATING DEVICE: Max. Wattage = 50W to run at 120V, 50/60Hz	209585030
	OPERATING DEVICE: Max. Wattage = 75W to run at 120-277V, 50/60Hz	209585031
	CONNECTOR: M12 Connector, A-coded, 4 pin, female (included for 24V)	336343010-00003970
	CONNECTOR: M12 Connector, A-coded, 4 pin, male (for 24V)	336884010-00597520
	CONNECTOR: M12 Connector, S-coded, 4 pin, female (included for 120/230V)	336885010-00597538
	CONNECTOR: M12 Connector, S-coded, 4 pin, male (for 120/230V)	336886010-00597538

### MINELA ACCESSORIES

ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Table Base, black	ILL00500C-00050503
	MOUNTING OPTION:: Table Clamp, black	ILL00100C-00050472
	MOUNTING OPTION: Wall Mount, black	308218109




### ONE LED ACCESSORIES

ITEM	DESCRIPTION	PART NUMBER
	Max Wattage = 20W to run at 120-240V, 50/60Hz	209585029-00098930
	Max Wattage = 50W to run at 120V, 50/60Hz	209585030
	Max Wattage = 75W to run at 120-277V, 50/60Hz	209585031









## RING LED ACCESSORIES

ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Universal Base (included)	204090019
	MOUNTING OPTION: Clamp, 0 - 2.75"	190007019-00014904
	MOUNTING OPTION: Clamp 2.5" - 5.3"	190033019-00014950
	MOUNTING OPTION: Wall Bracket, L-type	300213018-00025178
	MOUNTING OPTION: Table Base, Black	190036109-00058238
	MOUNTING OPTION: Magnetic Base	190057019-00015056




## SLIM LED ACCESSORIES

ITEM	DESCRIPTION	PART NUMBER
	OPERATING DEVICE: Max Wattage = 20W to run at 120-240V, 50/60Hz	209585029-00098930
	OPERATING DEVICE: Max. Wattage = 50W to run at 120V, 50/60Hz	209585030
	OPERATING DEVICE: Max. Wattage = 75W to run at 120-277V, 50/60Hz	209585031

## SPOT LED ACCESSORIES

ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Universal Base (included)	204090019
	MOUNTING OPTION: Clamp, 0-2.75" span	190007019-00014904
	MOUNTING OPTION: Clamp, 2.5"-5.4" span	190033019-00014950
	MOUNTING OPTION: Wall Bracket for Universal Base	300213018-00025178
	MOUNTING OPTION: Universal Mount Table Base	190186019-00009644
	MOUNTING OPTION: Magnetic Base	190057019-00015056
	OPERATING DEVICE: Max Wattage = 20W to run at 120-240V, 50/60Hz	209585029-00098930
	OPERATING DEVICE: Max. Wattage = 50W to run at 120V, 50/60Hz	209585030
	OPERATING DEVICE: Max. Wattage = 75W to run at 120-277V, 50/60Hz	209585031

**TAMETO ACCESSORIES**

ITEM	DESCRIPTION	PART NUMBER
	Lamp bracket, pair, black	408001586-00578088
	Mounting Brackets (pair)	
	US plug cord set, 9ft (included)	

**TANEO ACCESSORIES**

ITEM	DESCRIPTION	PART NUMBER
	ACCESSORY: Magnifier Add-x Lens, 3.5d	190207019-00575900
	MOUNTING OPTION: Portable Stand w/ Casters	US1043019
	MOUNTING OPTION: 1/2" Pin Adapter, 1.77" Length	US0209022
	MOUNTING OPTION: 1/2" Pin Adapter, 3.75" Length	US0209012
	MOUNTING OPTION: Wall Mount, Black	226108019-00610754
	MOUNTING OPTION: Portable Stand w/ Casters	US1043019
	MOUNTING OPTION: 1/2" Pin Adapter, 1.77" Length	US0209022
	MOUNTING OPTION: 1/2" Pin Adapter, 3.75" Length	US0209012
	ACCESSORY: Magnifier Add-x Lens, 3.5d	190207019-00575900



**TEVISIO ACCESSORIES**

ITEM	DESCRIPTION	PART NUMBER
	MOUNTING OPTION: Table Clamp, ESD-safe (included)	19102506940
	MOUNTING OPTION: Pin Mount Adapter	US0209012
	MOUNTING OPTION: Wall Clamp, Black	226108019-00610754
	MOUNTING OPTION: Table Clamp, ESD-safe (included)	190100029-00089021
	ACCESSORY: Add-X Magnifier, 3.5d	190208019-00575924
	ACCESSORY: Plug-in Converter (100-240V w/Quick Disconnect)	336047100

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