





































ARM-MOUNTED LUMINAIRES

Arm-mounted luminaires provide a wide-range light and above all precisely adjustable lighting of machines, workshops, laboratories and assembly workplaces.



| | | | | |
|----------|---|---|---|---------|
| SPOT LED |  |  |   IP65 or IP40 | 62 - 63 |
| HSW 20 | |  |   IP65 | 64 - 65 |
| HSW 75 | |  |   IP65 | 66 - 67 |
| MHW | |  |   IP54 | 68 - 69 |
| HI 20 | |  |    IP20 | 70 - 71 |
| HG | |  |   IP20 | 72 - 73 |
| HGL | |  |   IP20 | 74 - 75 |
| WD 211 | |  |   IP54 | 76 - 77 |
| TANEO |  |  |   IP20 | 78 - 81 |
| STE 111 | |  |   IP20 | 82 - 83 |
| SN/SNE | |  |   IP20 | 84 - 85 |

Integrated machine luminaires



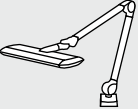
Surface-mounted luminaires



Tube luminaires



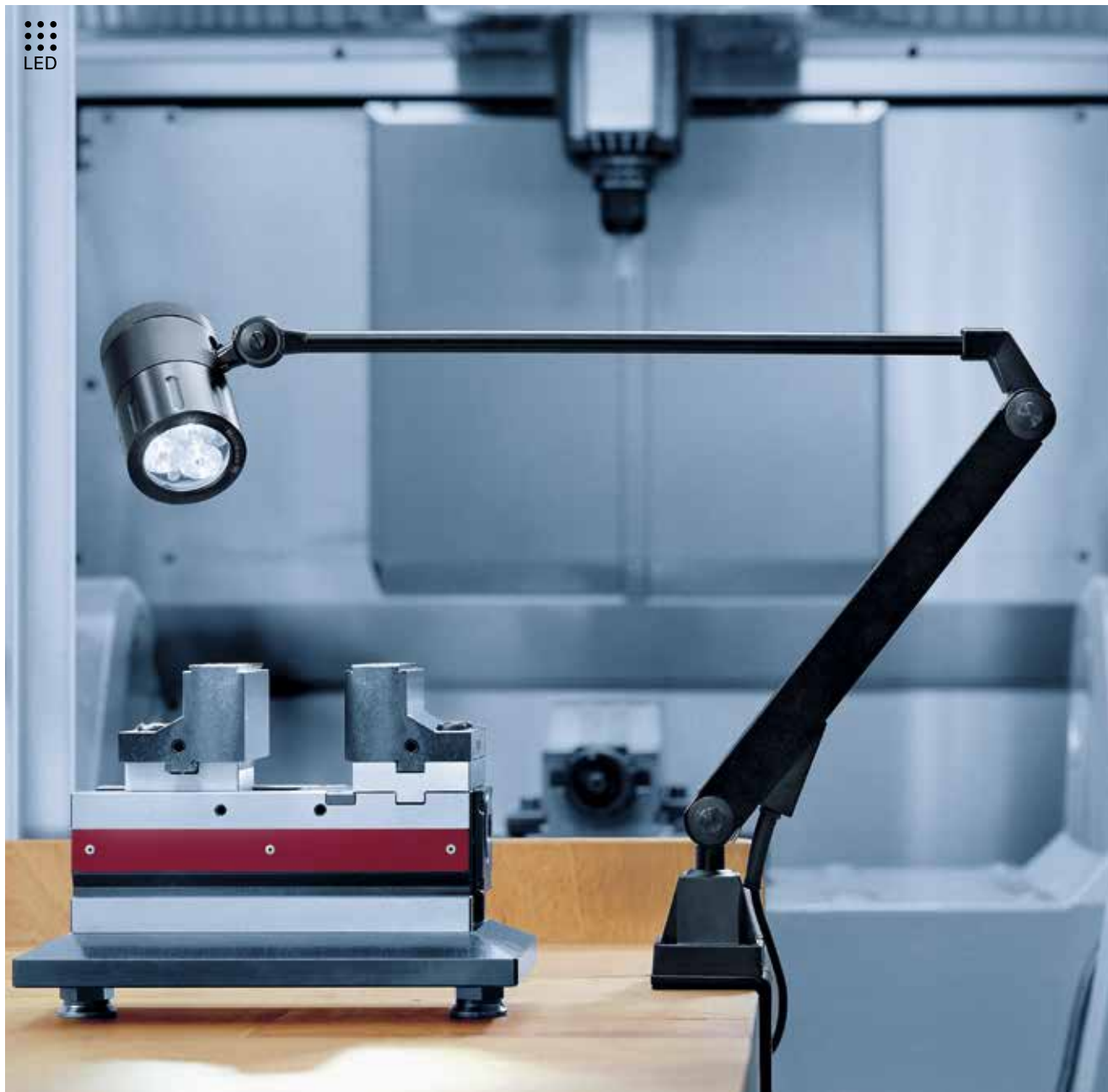
Arm-mounted luminaires



SPOT LED



HIGHLY CONCENTRATED LIGHT.

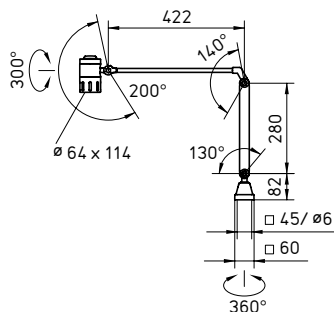


LED

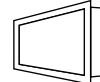
The SPOT LED has three combined LEDs and thus an extremely high luminous intensity as spot or area lighting. But that's not the only flexibility it boasts: In combination with the arm that stretches out into the room, it is no problem lighting every square-millimeter of even the largest working areas.

- Variants with narrow and wide angles of illumination
- Big working radius – ideal for large work spaces, machines or systems
- Comfort and safety thanks to absolutely even and flicker-free light
- Low energy consumption

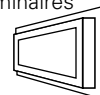
- Without heat development in the beam direction
- No danger of accidents due to stroboscopic effect
- Maintenance-free: LED life of up to 50,000 hours and more
- Convenient switching on and off from your working position



Integrated machine luminaires



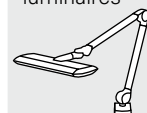
Surface-mounted luminaires



Tube luminaires

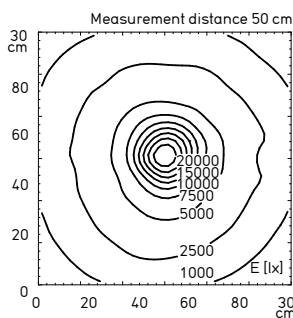


Arm-mounted luminaires

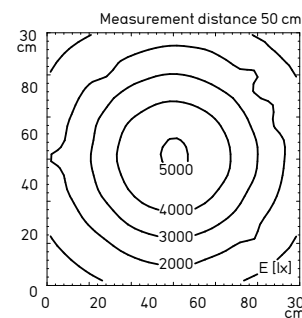


Features at a glance

- 3 x HIGH POWER LED
- Color temperature daylight white 5,700 K
- 10° or 40° angle of illumination
- Black aluminum anodized housing, 3 mm thick safety glass
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP65 (without mains plug) or IP40 (with mains plug, luminaire head IP65); class of protection III (without mains plug) or II (with mains plug)
- Supplied with 3 m mains lead with free stranded wires or with mains plug type CEE 7/16 (Euro plug), BS 1363 and NEMA 1-15P
- Various fastenings as accessories



Illuminance with 10° lens



Illuminance with 40° lens

| CONSUMPTION | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|-------------|------------------|-------------------------|-----------------|----------------------------|-----------|--------------------------|
| 7 W | Mains plug | 100 – 240 V, 50/60 Hz | 10° lens | 3358/22350 lx ¹ | MCBFL 3 N | 112 463 007 - 000 916 62 |
| 7 W | Mains plug | 100 – 240 V, 50/60 Hz | 40° lens | 2539/5095 lx ¹ | MCBFL 3 N | 112 463 009 - 000 919 54 |
| 6 W | – | 16 – 30 VAC/16 – 40 VDC | 10° lens | 3358/22350 lx ¹ | MCBFL 3 S | 112 463 001 - 000 916 60 |
| 6 W | – | 16 – 30 VAC/16 – 40 VDC | 40° lens | 2539/5095 lx ¹ | MCBFL 3 S | 112 463 003 - 000 919 35 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm/Measuring distance 50 cm

Also available as a flexible-tube luminaire, pivoting-head luminaire, integrated machine luminaire and surface-mounted luminaire

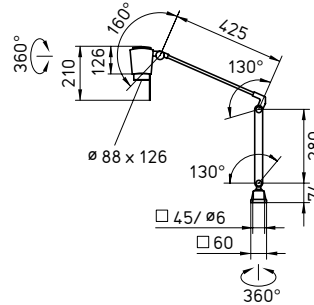
HSW 20

EXCELLENT LIGHT FOR THE HIGHEST DEMANDS.



When luminous intensity is combined with a large radius of action, it can be used in almost every workshop and machine. On the one hand, because the strong focused light with selected characteristics provides the best lighting of the working area. On the other hand, because the solid arm enables rapid and easy positioning.

- Brilliant halogen light
- Glare-free thanks to louver
- Variants with narrow and wide angles of illumination
- High system of protection
- Easy to reach switch that can be operated with one hand
- Easy changing of illuminant
- Reduced temperature in the beam direction thanks to twin glass screen



Integrated machine luminaires



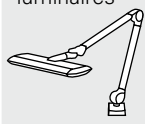
Surface-mounted luminaires



Tube luminaires

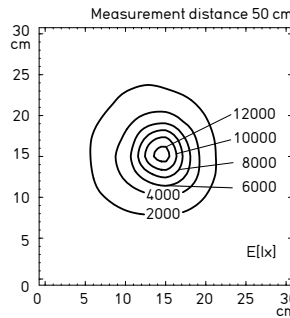


Arm-mounted luminaires

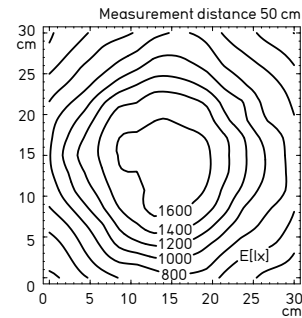


Features at a glance

- Halogen lamp
- Color temperature warm white 2,800 K (23 W) or 3,000 K (20 W)
- Glare-free thanks to metal louver, angle of illumination 10° or 36°
- Luminaire head of special black plastic, twin glass screen
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP65; class of protection I (without transformer) or II (with transformer)
- Supplied with 1.5 m mains lead with free stranded wires or plug type CEE 7/16 (Euro plug) for mains variant
- Various fastenings and magnifier (5 diopeters) as accessories



Illuminance with 10° angle of illumination (112 042 000 - 000 781 95)



Illuminance with 36° angle of illumination (112 042 038 - 000 781 96)

| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|-------------|------------------------|-----------------|---------------------------|----------------------------|--------|--------------------------|
| 1 x 20 W | Integrated transformer | 230 V, 50/60 Hz | 10° angle of illumination | 1295/12740 lx ¹ | HSW 20 | 112 042 000 - 000 781 95 |
| 1 x 20 W | Integrated transformer | 230 V, 50/60 Hz | 36° angle of illumination | 959/1698 lx ¹ | HSW 20 | 112 042 038 - 000 781 96 |
| 1 x 23 W | – | 24 VAC/DC | 10° angle of illumination | 1568/14550 lx ¹ | HSW 20 | 112 043 010 - 000 782 14 |
| 1 x 20 W | – | 12 VAC/DC | 10° angle of illumination | 1295/12740 lx ¹ | HSW 20 | 112 043 000 - 000 782 10 |
| 1 x 20 W | – | 12 VAC/DC | 36° angle of illumination | 959/1698 lx ¹ | HSW 20 | 112 043 012 - 000 782 11 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm/Measuring distance 50 cm
 Also available as a flexible-tube luminaire and pivoting-head luminaire

HSW 75

THE FULL POWER OF LIGHT.

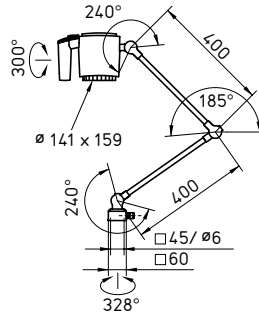


The precisely focused, very powerful, glare-free halogen light of the HSW 75 is not only ideal from a lighting perspective. The easy handling of the flexible and solid arm construction of this machine luminaire also makes it very easy to adjust

the luminaire head as desired.

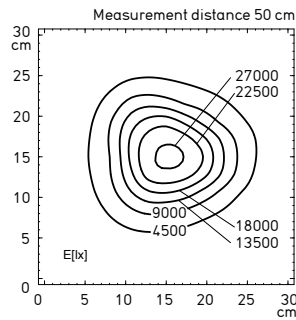
- Strong, glare-free spot light
- High system of protection

- Heat protection jacket
- Easy to reach switch that can be operated with one hand
- Easy changing of illuminant thanks to bayonet connection



Features at a glance

- Halogen lamp
- Color temperature warm white 3,000 K
- Glare-free thanks to metal louver
- Black luminaire head of aluminum and plastic, glass screen
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP65; class of protection II (with transformer) or III (without transformer)
- Supplied without mains lead
- Various fastenings as accessories



Illuminance 1 x 75 W
(112 186 000 - 000 051 82)

Integrated machine luminaires



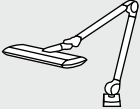
Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|-------------|------------------------|-----------------|-----------------|----------------------------|--------|--------------------------|
| 1 x 75 W | Integrated transformer | 230 V, 50/60 Hz | – | 5052/27570 lx ¹ | HSW 75 | 112 186 000 - 000 051 82 |
| 1 x 75 W | – | 24 VAC/DC | – | 4964/26680 lx ¹ | HSW 75 | 112 185 010 - 000 052 46 |
| 1 x 75 W | – | 12 VAC/DC | – | 5052/27570 lx ¹ | HSW 75 | 112 185 000 - 000 051 80 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm / Measuring distance 50 cm
Also available as a pivoting-head luminaire

MHW

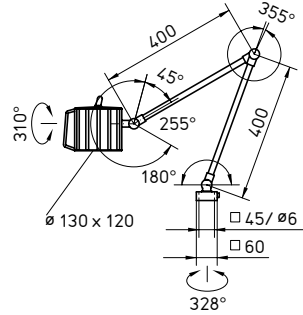
FANCY-FREE FLOODLIGHT.

A machine arm-mounted luminaire not only has to provide the right light with as much flexibility as possible. It also has to withstand quite a bit of stress. MHW can do both these things very well.

Its high-powered halogen luminaire head is fitted with a stable arm that functions perfectly even after years of extreme stress and is adjustable within the blink of an eye.

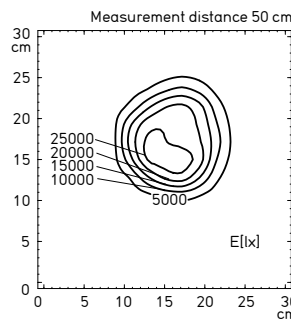
- Movable
- Bright
- Robust
- High system of protection





Features at a glance

- Halogen lamp
- Color temperature warm white 3,000 K
- Direct beam
- Aluminum colored anodized housing, glass screen
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP54; class of protection III
- Supplied without mains lead
- Various fastenings and transformers to connect to the mains voltage as an accessory



Illuminance 1 x 60 W

Integrated machine luminaires



Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|-------------|------------------|----------------|-----------------|----------------------------|--------|--------------------------|
| 1 x 60 W | - | 24 VAC/DC | - | 3341/27230 lx ¹ | MHW 60 | 110 950 000 - 000 037 18 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm / Measuring distance 50 cm
 Also available as a pivoting-head luminaire

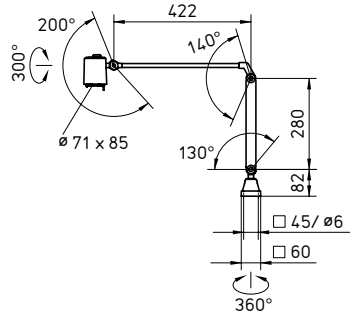
HI 20

INDIVIDUAL LIGHT FOR INDIVIDUAL NEEDS.



Why is an arm-mounted luminaire so variable? Because it can be moved from many sides and easily brought into the right position. The HI 20 has a trump card up its sleeve when it comes to versatility: Thanks to the availability of various designs, the radiation characteristic can be ideally adjusted to the task at hand. Together with a high luminous power, these properties turn the HI 20 into a universal task luminaire.

- Versatile uses
- Brilliant halogen light
- Easy and fast positioning
- Bright
- Heat protection jacket
- Easy, tool-free changing of lamp
- Convenient switching on and off from your working position
- Variants with narrow and wide angles of illumination
- Long life cycle of the lamp



Integrated machine luminaires



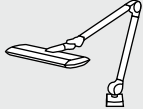
Surface-mounted luminaires



Tube luminaires

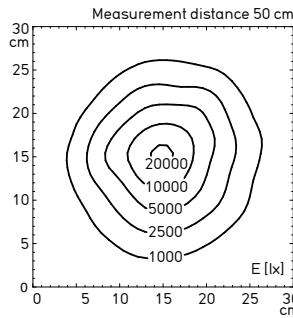


Arm-mounted luminaires

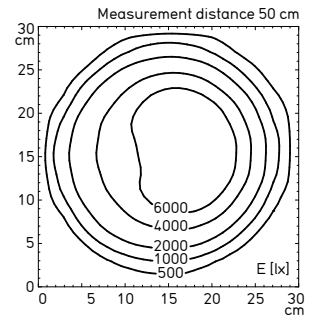


Features at a glance

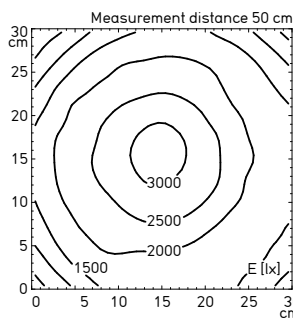
- Halogen lamp
- Color temperature warm white 2,800 K (23 W) or 3,000 K (20 W)
- 10°, 24°, 36° or 60° angle of illumination
- Black luminaire head of aluminum and plastic, glass screen
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP20; class of protection III (without transformer) or I (with transformer)
- Supplied with 1.5 m mains lead with free stranded wires or plug type CEE 7/7 (shock-proof plug) for mains variant
- Various fastenings and magnifier (4 diopters) as accessories



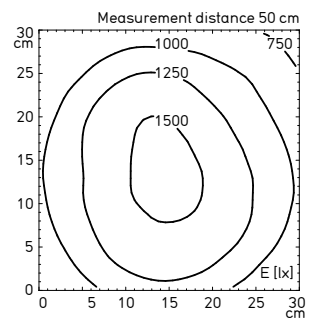
Illuminance with 10° angle of illumination (112 376 000 - 000 608 35)



Illuminance with 24° angle of illumination (112 376 001 - 000 676 09)



Illuminance with 36° angle of illumination (112 376 002 - 000 683 22)



Illuminance with 60° angle of illumination (112 376 003 - 000 683 23)

| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|-------------|------------------------|-----------------|---------------------------|----------------------------|-----------|--------------------------|
| 1 x 20 W | Integrated transformer | 230 V, 50/60 Hz | 10° angle of illumination | 2268/23200 lx ¹ | HIBF 20 N | 112 376 000 - 000 608 35 |
| 1 x 20 W | Integrated transformer | 230 V, 50/60 Hz | 24° angle of illumination | 2504/7375 lx ¹ | HIBF 20 N | 112 376 001 - 000 676 09 |
| 1 x 20 W | Integrated transformer | 230 V, 50/60 Hz | 36° angle of illumination | 1970/3126 lx ¹ | HIBF 20 N | 112 376 002 - 000 683 22 |
| 1 x 20 W | Integrated transformer | 230 V, 50/60 Hz | 60° angle of illumination | 1182/1598 lx ¹ | HIBF 20 N | 112 376 003 - 000 683 23 |
| 1 x 20 W | - | 12 VAC/DC | 24° angle of illumination | 2504/7375 lx ¹ | HIBF 20 S | 112 377 005 - 000 683 28 |
| 1 x 23 W | - | 24 VAC/DC | 10° angle of illumination | 1619/14398 lx ¹ | HIBF 20 S | 112 377 008 - 000 608 53 |
| 1 x 23 W | - | 24 VAC/DC | 24° angle of illumination | 1683/7082 lx ¹ | HIBF 20 S | 112 377 009 - 000 903 11 |
| 1 x 23 W | - | 24 VAC/DC | 36° angle of illumination | 1553/3055 lx ¹ | HIBF 20 S | 112 377 012 - 000 903 34 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm / Measuring distance 50 cm

Also available as a flexible-tube luminaire and pivoting-head luminaire

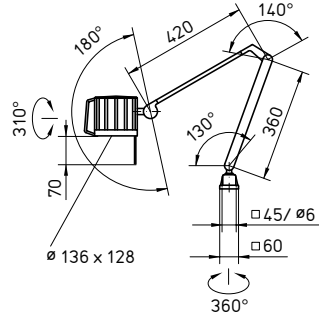
HG

BEST LIGHT – FOCUSED, GLARE-FREE LIGHTING.

The HG arm-mounted luminaire made of high-quality, long-lasting materials is a highly versatile halogen lamp. It is the right choice for every purpose, not least because it is far superior in terms of luminous intensity and ergonomics.

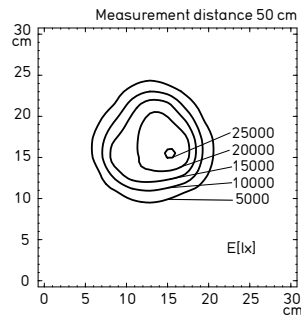
- Universal uses
- Very bright
- Glare-free
- Heat protection jacket





Features at a glance

- Halogen lamp
- Color temperature warm white 3,000 K
- Glare-free thanks to metal louver
- Black luminaire head of aluminum and plastic, glass screen
- Arm relieved by friction
- With switch in the arm
- System of protection IP20; class of protection I
- Supplied with 1.5 m mains lead with plug type CEE 7/7 (shock-proof plug)
- Various fastenings as accessories



Illuminance 1 x 55 W

Integrated machine luminaires



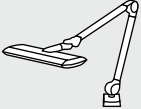
Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m/E_{max} * | MODEL | ORDER NO. |
|-------------|------------------------|-----------------|-----------------|----------------------------|-------|--------------------------|
| 1 x 55 W | Integrated transformer | 230 V, 50/60 Hz | – | 2933/25050 lx ¹ | HG 70 | 110 041 000 - 000 485 64 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm / Measuring distance 50 cm

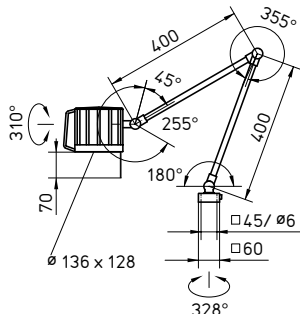
HGL

UNCOMPROMISING STRENGTH.



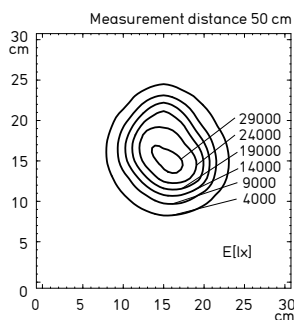
Thanks to its extremely flexible arm, housing with heat protection. the HGL halogen luminaire ensures optimum adjustment of the light in every situation. The excellent handling is supported by an ergonomically shaped

- Very bright
- Glare-free in accordance with occupational safety criteria
- Heat protection jacket



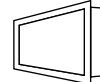
Features at a glance

- Halogen lamp
- Color temperature warm white 3,000 K
- Glare-free thanks to metal louver
- Black luminaire head of aluminum and plastic, glass screen
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP20; class of protection III
- Supplied without mains lead
- Various fastenings and transformers to connect to the mains voltage as an accessory

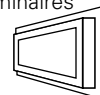


Illuminance based on the example 1 x 60 W

Integrated machine luminaires



Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E _m /E _{max} * | MODEL | ORDER NO. |
|-------------|------------------|----------------|-----------------|------------------------------------|--------|--------------------------|
| 1 x 60 W | – | 24 VAC/DC | – | 3243/29780 lx ¹ | HGL 70 | 100 570 000 - 000 479 28 |
| 1 x 55 W | – | 12 VAC/DC | – | 2933/25050 lx ¹ | HGL 70 | 100 570 010 - 000 596 58 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm/Measuring distance 50 cm
Also available as a pivoting-head luminaire

WD 211

LONG LIFE CYCLE GUARANTEED.

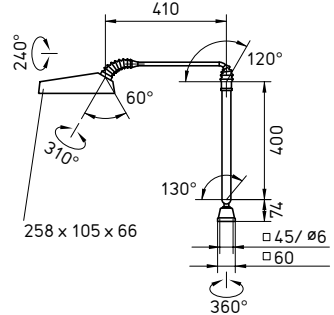


An even area lighting of large work spaces and workpieces makes a decisive contribution to ergonomics at the workplace. This task is impeccably performed by the universal luminaire WD 211 with two fluorescent lamps. Furthermore, it is so robust that liquids, dust and chips in the air cannot damage it even after it

has been in permanent use for years.

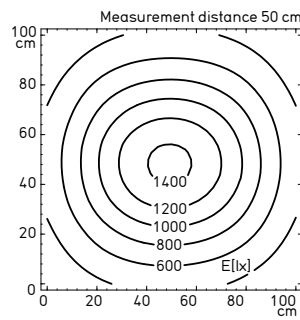
- Robust and versatile machine luminaire
- Metal luminaire head
- Large radius of action
- Durable mechanism

- High system of protection
- Low energy consumption



Features at a glance

- TC-L compact fluorescent lamps
- Color temperature neutral white 4,000 K
- Glare-free thanks to matt screen
- Light gray painted aluminum housing, plastic screen
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP54; class of protection I
- Supplied with 1.5 m mains lead with plug type CEE 7/7 (shock-proof plug)
- Various fastenings as accessories



Illuminance 2 x 11 W

Integrated machine luminaires



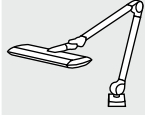
Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|--------------|------------------------|----------------|-----------------|--------------------------|--------|--------------------------|
| 2 x 11 WTC-L | Integrated transformer | 230 V, 50 Hz | – | 673/1424 lx ¹ | WD 211 | 101 221 000 - 000 121 82 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 100 cm x 100 cm/Measuring distance 50 cm

TANEO

NEW

VARIABLE AND CONVENIENT.



•••••
LED





An uncompromising lighting solution is essential wherever your eyes are put to the test. 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.

- Maintenance-free LED technology with a service life of up to 50,000 hours and more
- Requirements-oriented output levels for up to 4,000 lx
- 30 % energy savings
- Continuously dimmable down to 10 %, with memory function
- Light Forming and Ray Mixing Technology for area light that is free from shadows and reflective glare
- Glare-free thanks to conical prismatic screen (CDP) or white opal screen
- Flicker-free light with no IR or UV content
- Good contrast sensitivity and very good color recognition thanks to premium LEDs
- Uniquely flexible and balanced arm with enormous operating radius
- Closed construction for protection of the user and the integrated technology
- Robust aluminum and fiberglass-reinforced high-performance plastic
- Premium workmanship in accordance with Waldmann's quality standards
- Also available in ESD design

Integrated
machine
luminaires



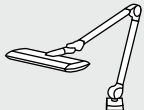
Surface-
mounted
luminaires



Tube
luminaires

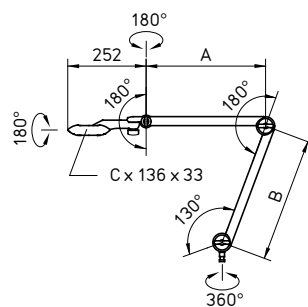


Arm-mounted
luminaires





TANEO in ESD design

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

| CONSUMPTION | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m/E_{max}^* | MODEL | ORDER NUMBER |
|-------------|--------------------|-----------------------|--|---------------------------|-----------|--------------------------|
| 15 W | Mains plug | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 4,000 K | 563/1569 lx ¹ | STZL 12 R | 112 576 000 - 005 441 67 |
| 15 W | Mains plug | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 5,000 K | 563/1569 lx ¹ | STZL 12 R | 112 576 000 - 005 397 57 |
| 15 W | Mains plug | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm White opal screen, 4,000 K | 361/816 lx ¹ | STZL 12 R | 112 576 000 - 005 595 52 |
| 15 W | Mains plug | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm White opal screen, 5,000 K | 361/816 lx ¹ | STZL 12 R | 112 576 000 - 005 595 71 |
| 31 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 4,000 K | 1137/3053 lx ¹ | STZL 24 R | 112 577 000 - 005 441 79 |
| 31 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 5,000 K | 1137/3053 lx ¹ | STZL 24 R | 112 577 000 - 005 397 74 |
| 31 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm White opal screen, 4,000 K | 725/1578 lx ¹ | STZL 24 R | 112 577 000 - 005 595 74 |
| 31 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm White opal screen, 5,000 K | 725/1578 lx ¹ | STZL 24 R | 112 577 000 - 005 595 77 |
| 31 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 244 mm, B = 450 mm White opal screen, 5,000 K | 725/1578 lx ¹ | STZL 24 R | 113 085 000 - 005 832 20 |
| 47 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 4,000 K | 1641/4046 lx ¹ | STZL 36 R | 112 578 000 - 005 441 82 |
| 47 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 5,000 K | 1641/4046 lx ¹ | STZL 36 R | 112 578 000 - 005 397 77 |
| 47 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm White opal screen, 4,000 K | 1082/2219 lx ¹ | STZL 36 R | 112 578 000 - 005 595 80 |
| 47 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm White opal screen, 5,000 K | 1082/2219 lx ¹ | STZL 36 R | 112 578 000 - 005 595 83 |

ESD DESIGN

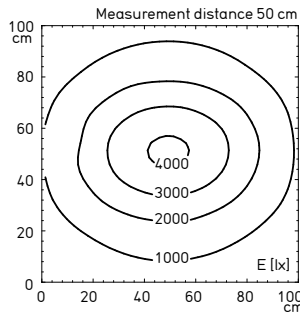
| CONSUMPTION | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m/E_{max}^* | MODEL | ORDER NUMBER |
|-------------|--------------------|-----------------------|---|---------------------------|------------|--------------------------|
| 31 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 4,000 K | 1016/2671 lx ¹ | STZL 24 AR | 113 020 000 - 005 645 43 |
| 31 W | Table power supply | 100 – 240 V, 50/60 Hz | A = 384 mm, B = 400 mm CDP screen, 5,000 K | 1016/2671 lx ¹ | STZL 24 AR | 113 020 000 - 005 645 62 |

* E_m = Medium illuminance; E_{max} = Maximum illuminance; ¹ Measuring range 100 cm x 100 cm/Measuring distance 50 cm
Also available as a workplace-system luminaire



Features at a glance

- 12, 24 or 36 x LED
- 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 or black-painted 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 II
- Supplied with 3 m mains lead with mains plug (15 W) or table power supply (31 and 47 W) with plug type 7/16 (Euro plug)
- Various fastenings and add-on magnifier (3.5 diopters) as accessories



Illuminance based on the example of 47 W with CDP screen

Integrated machine luminaires



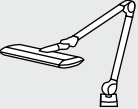
Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



STE 111

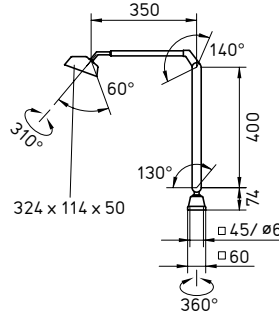
ULTRA ERGONOMIC.



In many companies, luminaires are practically in use around the clock. In addition to standard-compliant brightness, energy efficiency and long life are the decisive criteria for finding the right solution. Waldmann calls this STE 111: Thanks to modern fluorescent lamp technology, the

STE 111 provides an incredible luminous intensity with a low energy consumption. Thanks to various fittings and glare-free options, it is also suitable for universal use.

- Energy-efficient and very bright
- Glare-free for even area lighting of desks
- Robust, durable metal construction
- Easy to adjust to your individual position
- With switch integrated in the luminaire



Integrated machine luminaires



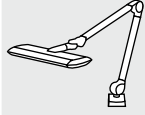
Surface-mounted luminaires



Tube luminaires

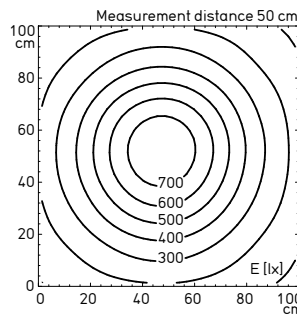


Arm-mounted luminaires



Features at a glance

- TC-SEL compact fluorescent lamp
- Color temperature neutral white 4,000 K
- Glare-free thanks to white opal screen
- Light gray plastic housing, plastic screen
- Balanced by friction
- With switch in the luminaire head
- System of protection IP20; class of protection I
- Supplied with 1.5 m mains lead with plug type CEE 7/7 (shock-proof plug)
- Various fastenings and magnifiers (4 diopters) as an accessory



Illuminance 1 x 11 W

| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m/E_{max}^* | MODEL | ORDER NO. |
|----------------|----------------------------|--------------------|-----------------|-------------------------|---------|--------------------------|
| 1 x 11 WTC-SEL | Integr. electronic ballast | 220 – 240 V, 50 Hz | Screen | 355/782 lx ¹ | STE 111 | 112 349 000 - 000 393 95 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 100 cm x 100 cm / Measuring distance 50 cm, Also available as a flexible-tube luminaire

SN/SNE

INTELLIGENT LIGHTING COMFORT.

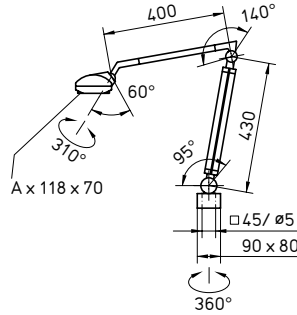
Efficiency is nothing more than a buzzword, but today it plays a key role in industry and trade. The SN/SNE enables you to easily attain this. It not only offers state-of-the-art energy-saving technology, but also a high level of efficiency.

Its cleverly designed arm also ensures a radius of action that easily gives you light where you need it.

- Energy-efficient and very bright
- Ergonomically shaped T-screws for arm-adjustment without tools

- Light and easy to adjust to your individual position
- Glare-free
- Robust, durable construction
- Luminaire head that remains cool





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

Features at a glance

- TC-L compact fluorescent lamp
- Color temperature neutral white 4,000 K
- Glare-free thanks to aluminized parabolic louver or white opal screen
- Light gray plastic housing, plastic screen or louver
- Spring-balanced arm
- With switch in the luminaire head (conventional ballast) or in the arm (electronic ballast)
- System of protection IP20; class of protection I
- Supplied with 1.5 m mains lead with plug type CEE 7/7 (shock-proof plug)
- Various fastenings and magnifier (3 diopeters) as accessories

Integrated machine luminaires



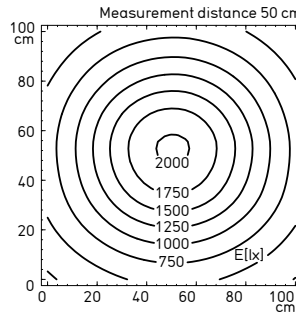
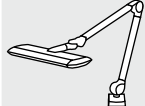
Surface-mounted luminaires



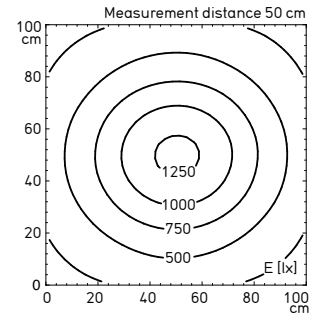
Tube luminaires



Arm-mounted luminaires



Illuminance based on the example 1 x 36 W with parabolic louver



Illuminance based on the example 1 x 36 W with screen

| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|--------------|------------------------------|-----------------------|------------------|--------------------------|---------|--------------------------|
| 1 x 18 WTC-L | Conventional ballast integr. | 230 V, 50 Hz | Parabolic louver | 415/946 lx ¹ | SN 118 | 111 001 000 - 000 500 14 |
| 1 x 18 WTC-L | Conventional ballast integr. | 230 V, 50 Hz | Screen | 262/585 lx ¹ | SN 118 | 111 001 002 - 000 955 11 |
| 1 x 18 WTC-L | Integr. electronic ballast | 220 – 240 V, 50/60 Hz | Parabolic louver | 415/946 lx ¹ | SNE 118 | 111 581 000 - 000 589 89 |
| 1 x 18 WTC-L | Integr. electronic ballast | 220 – 240 V, 50/60 Hz | Screen | 281/633 lx ¹ | SNE 118 | 111 581 002 - 000 955 97 |
| 1 x 36 WTC-L | Conventional ballast integr. | 230 V, 50 Hz | Parabolic louver | 933/2010 lx ¹ | SN 136 | 111 011 000 - 000 495 95 |
| 1 x 36 WTC-L | Conventional ballast integr. | 230 V, 50 Hz | Screen | 597/1268 lx ¹ | SN 136 | 111 011 002 - 000 955 96 |
| 1 x 36 WTC-L | Integr. electronic ballast | 220 – 240 V, 50/60 Hz | Parabolic louver | 933/2010 lx ¹ | SNE 136 | 111 591 000 - 000 718 46 |
| 1 x 36 WTC-L | Integr. electronic ballast | 220 – 240 V, 50/60 Hz | Screen | 597/1268 lx ¹ | SNE 136 | 111 591 002 - 000 955 95 |

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 100 cm x 100 cm/Measuring distance 50 cm