

Светильники на крон тейне TANEO, ALD, ROCIA, SPOT, HSW, MHW, HI, HG, HGL, WD, STE, SN/SNE

Технические характеристики

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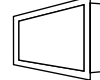
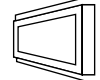
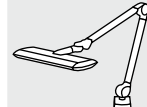
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ARM-MOUNTED LUMINAIRES

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



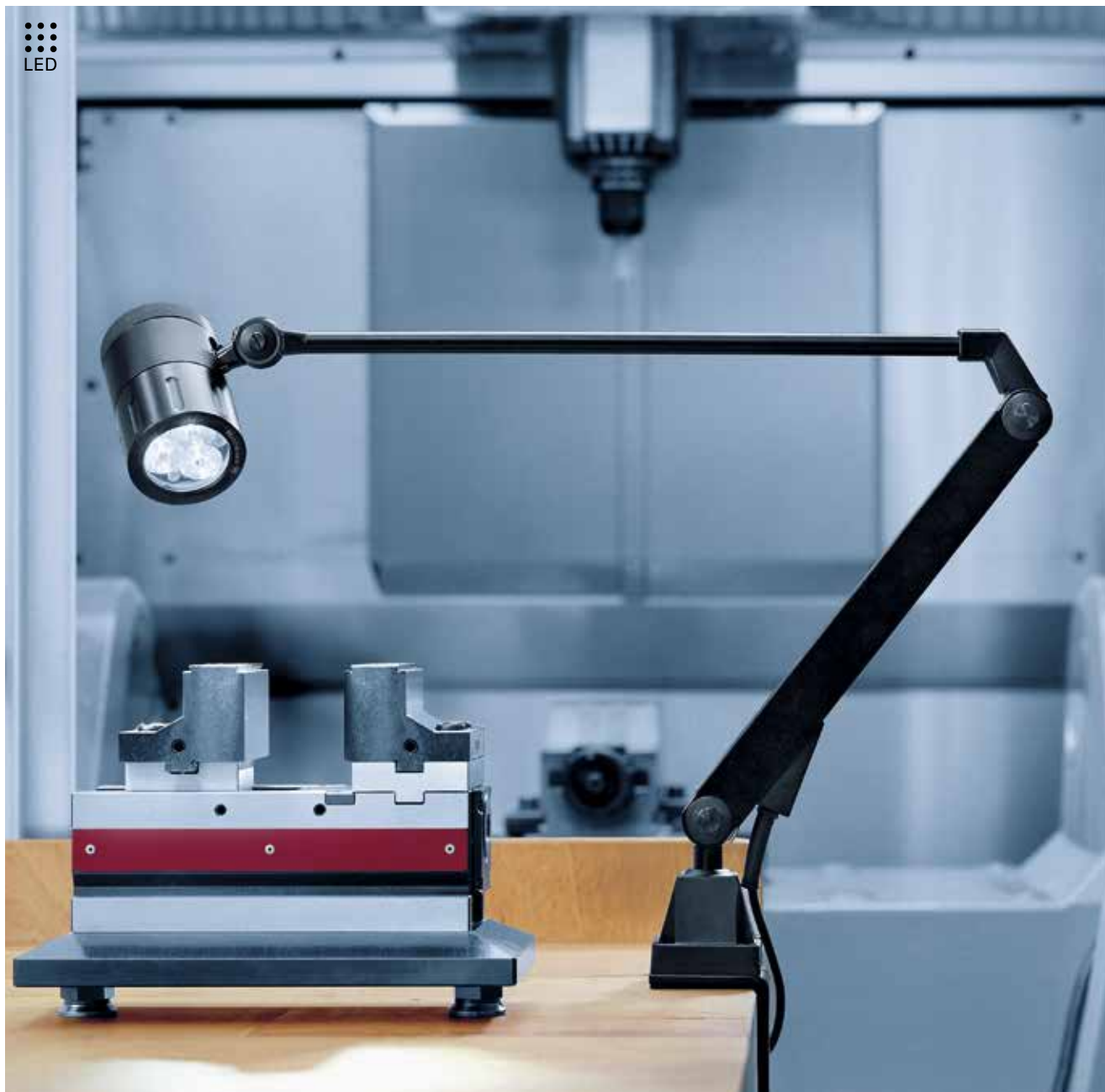
| | | | | |
|----------|--|---|--------------------|---------|
| SPOT LED |   |   LED | IP65 or IP40 | 62 - 63 |
| HSW 20 |  |   | IP65 | 64 - 65 |
| HSW 75 |  |   | IP65 | 66 - 67 |
| MHW |  |   | IP54 | 68 - 69 |
| HI 20 |  |    | IP20 | 70 - 71 |
| HG |  |   | IP20 | 72 - 73 |
| HGL |  |   | IP20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

Integrated
machine
luminairesSurface-
mounted
luminairesTube
luminairesArm-mounted
luminaires

SPOT LED

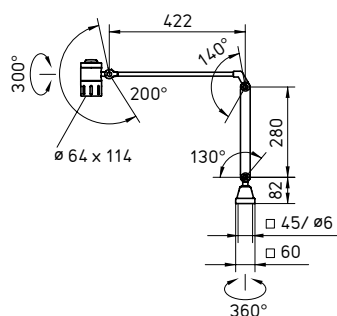


HIGHLY CONCENTRATED LIGHT.



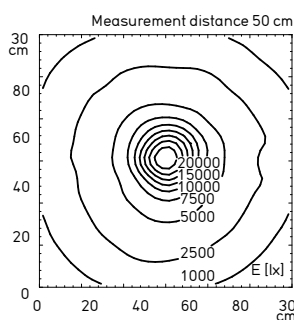
The SPOT LED has three combined LEDs and thus an extremely high luminous intensity as spot or area lighting. But that's not the only flexibility it boasts: In combination with the arm that stretches out into the room, it is no problem lighting every square-millimeter of even the largest working areas.

- 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

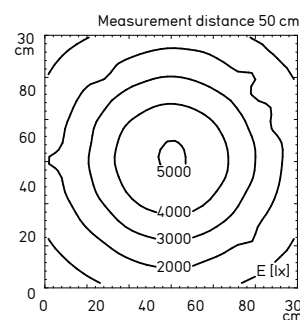


Features at a glance

- 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

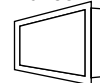


Illuminance with 10° lens

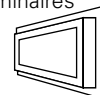


Illuminance with 40° lens

Integrated machine luminaires



Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| 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

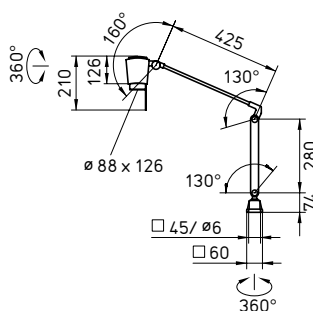
HSW 20

EXCELLENT LIGHT FOR THE HIGHEST DEMANDS.



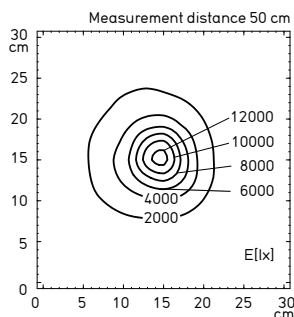
When luminous intensity is combined with a large radius of action, it can be used in almost every workshop and machine. On the one hand, because the strong focused light with selected characteristics provides the best lighting of the working area. On the other hand, because the solid arm enables rapid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

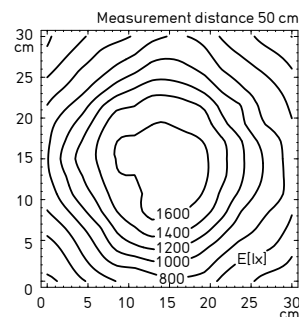


Features at a glance

- 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 diopters) as accessories

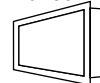


Illuminance with 10° angle of illumination (112 042 000 - 000 781 95)

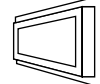


Illuminance with 36° angle of illumination (112 042 038 - 000 781 96)

Integrated machine luminaires



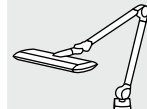
Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|-------------|------------------------|-----------------|---------------------------|----------------------------|--------|--------------------------|
| 1 x 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.

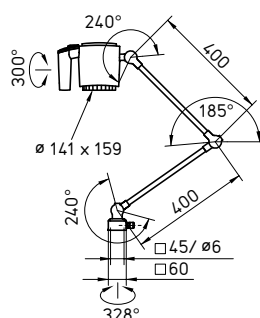


The precisely focused, very powerful, glare-free halogen light of the HSW 75 is not only ideal from a lighting perspective. The easy handling of the flexible and solid arm construction of this machine luminaire also makes it very easy to adjust

the luminaire head as desired.

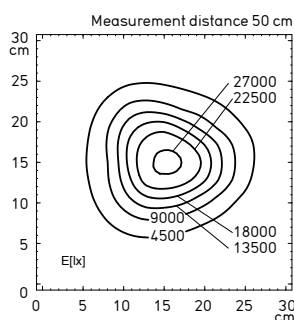
- Strong, glare-free spot light
- High system of protection

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



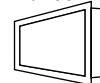
Features at a glance

- 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

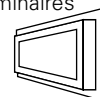


Illuminance 1 x 75 W
(112 186 000 - 000 051 82)

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

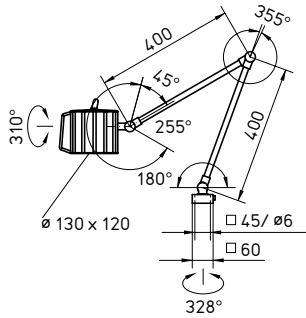
FANCY-FREE FLOODLIGHT.

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.

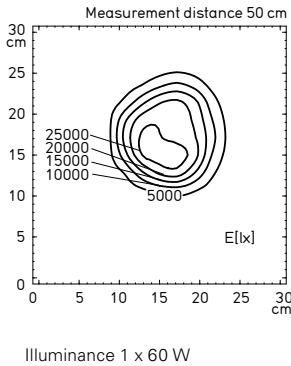
- Movable
- Bright
- Robust
- High system of protection





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



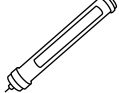
Integrated machine luminaires



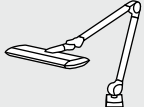
Surface-mounted luminaires



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

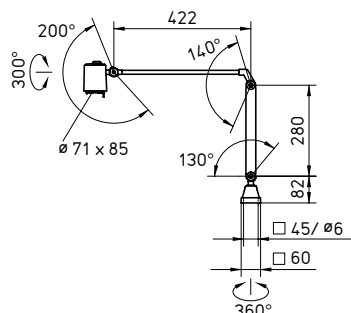
HI 20

INDIVIDUAL LIGHT FOR INDIVIDUAL NEEDS.



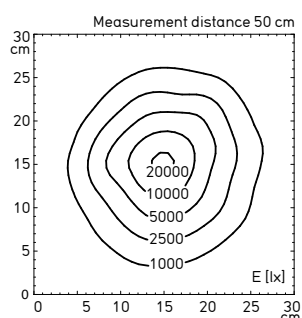
Why is an arm-mounted luminaire so variable? Because it can be moved from many sides and easily brought into the right position. The HI 20 has a trump card up its sleeve when it comes to versatility: Thanks to the availability of various designs, the radiation characteristic can be ideally adjusted to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

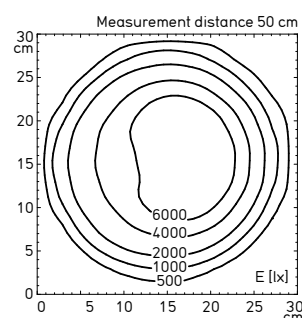


Features at a glance

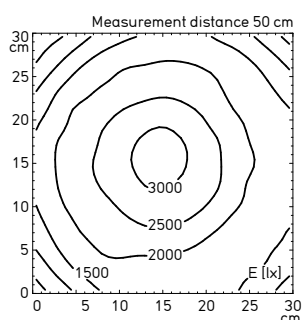
- Halogen lamp
- Color temperature warm white 2,800 K (23 W) or 3,000 K (20 W)
- 10°, 24°, 36° or 60° angle of illumination
- Black luminaire head of aluminum and plastic, glass screen
- Arm relieved by friction
- With switch in the luminaire head
- System of protection IP20; class of protection III (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



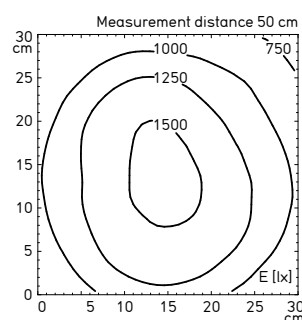
Illuminance with 10° angle of illumination (112 376 000 - 000 608 35)



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

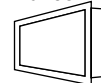


Illuminance with 36° angle of illumination (112 376 002 - 000 683 22)

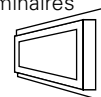


Illuminance with 60° angle of illumination (112 376 003 - 000 683 23)

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 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

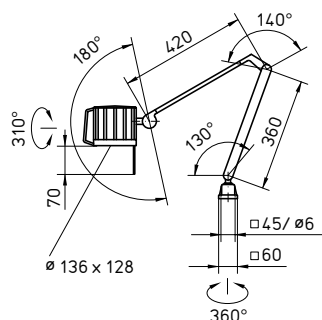
HG

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.

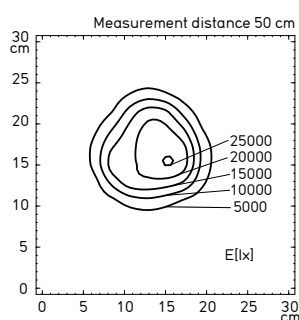
- Universal uses
- Very bright
- Glare-free
- Heat protection jacket





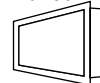
Features at a glance

- 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

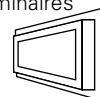


Illuminance 1 x 55 W

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 [†] | HG 70 | 110 041 000 - 000 485 64 |

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

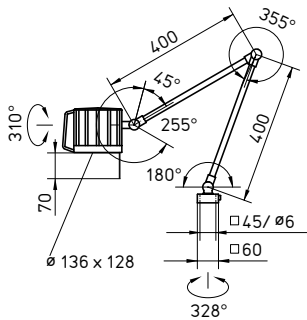
HGL

UNCOMPROMISING STRENGTH.



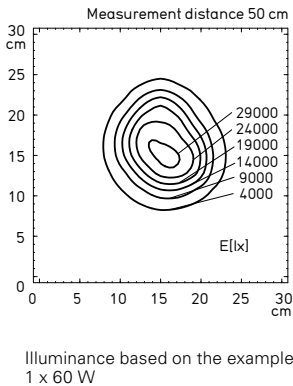
Thanks to its extremely flexible arm, the HGL halogen luminaire ensures optimum adjustment of the light in every situation. The excellent handling is supported by an ergonomically shaped housing with heat protection.

- 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



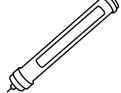
Integrated machine luminaires



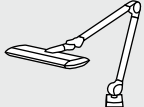
Surface-mounted luminaires



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.

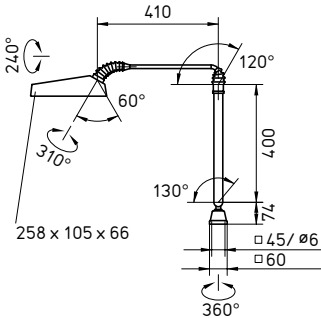


An even area lighting of large work spaces and workpieces makes a decisive contribution to ergonomics at the workplace. This task is impeccably performed by the universal luminaire WD 211 with two fluorescent lamps. Furthermore, it is so robust that liquids, dust and chips in the air cannot damage it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

has been in permanent use for years.

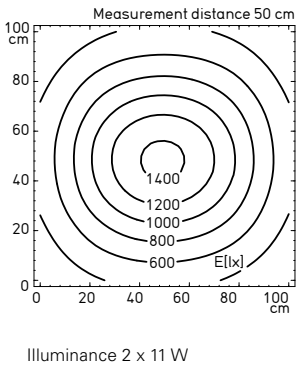
- Robust and versatile machine luminaire
- Metal luminaire head
- Large radius of action
- Durable mechanism

- 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



Integrated machine luminaires



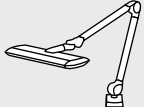
Surface-mounted luminaires



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 [†] | WD 211 | 101 221 000 - 000 121 82 |

* E_m = medium illuminance; E_{max} = maximum illuminance; [†] 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 – TANEØ 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



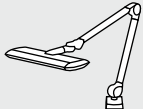
Surface-mounted luminaires



Tube luminaires

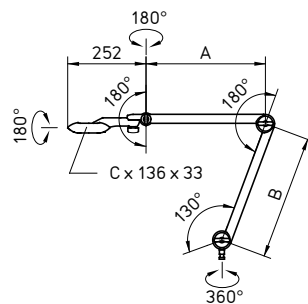


Arm-mounted luminaires





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 |

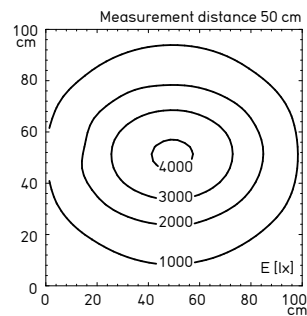
* E_m = Medium illuminance; E_{max} = Maximum illuminance; ¹ Measuring range 100 cm x 100 cm/Measuring distance 50 cm

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

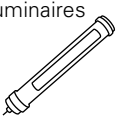
Integrated machine luminaires



Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



STE 111

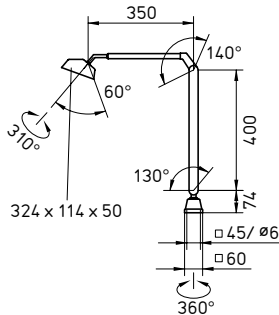
ULTRA ERGONOMIC.



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

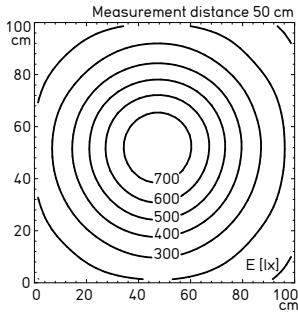
STE 111 provides an incredible luminous intensity with a low energy consumption. Thanks to various fittings and glare-free options, it is also suitable for universal use.

- 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



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

Integrated machine luminaires



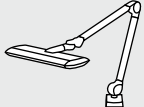
Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E _m /E _{max} * | MODEL | ORDER NO. |
|----------------|----------------------------|--------------------|-----------------|------------------------------------|---------|--------------------------|
| 1 x 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.

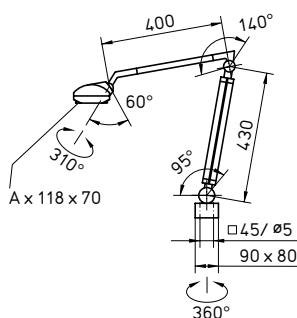
Efficiency is nothing more than a buzzword, but today it plays a key role in industry and trade. The SN/SNE enables you to easily attain this. It not only offers state-of-the-art energy-saving technology, but also a high level of efficiency.

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

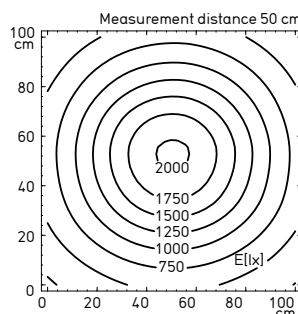




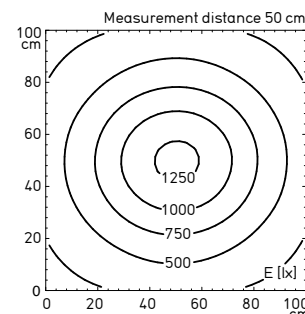
Dimension A: 18 W = 308 mm
36 W = 485 mm

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 dioptrs) as accessories

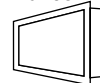


Illuminance based on the example
1 x 36 W with parabolic louver

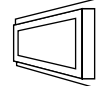


Illuminance based on the example
1 x 36 W with screen

Integrated machine
luminaires



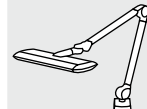
Surface-mounted
luminaires



Tube
luminaires



Arm-mounted
luminaires



| FITTED WITH | OPERATING DEVICE | CONNECTED LOAD | SPECIAL FEATURE | E_m / E_{max}^* | MODEL | ORDER NO. |
|--------------|------------------------------|-----------------------|------------------|--------------------------|---------|--------------------------|
| 1 x 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



TANEO. WORKING WITH OPTIMUM LIGHT



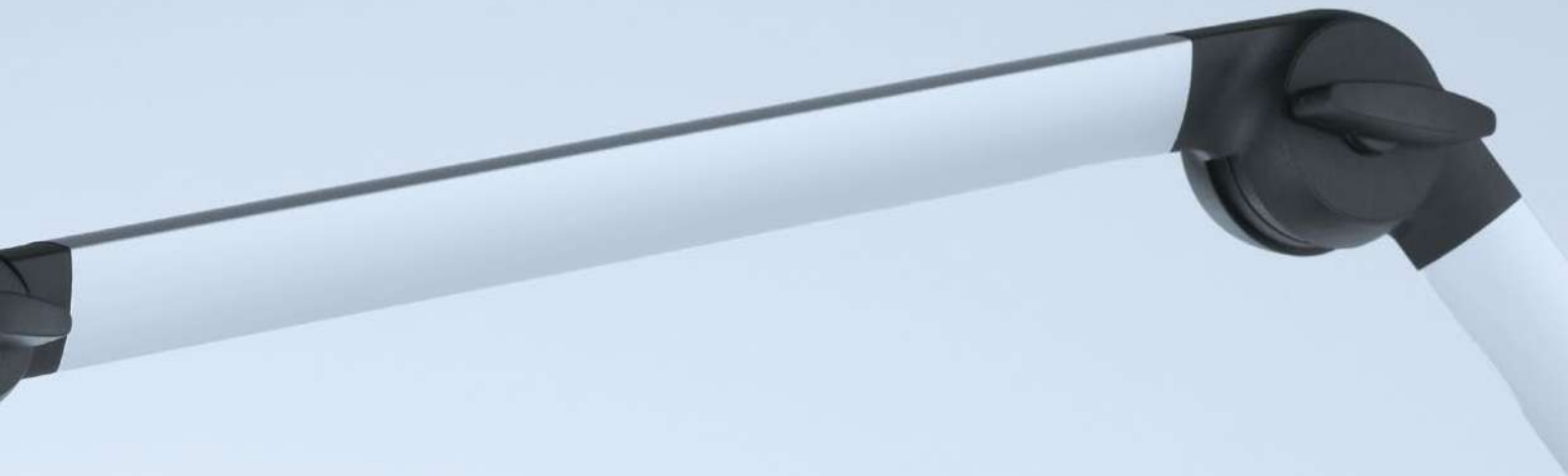
Light quality

TANEO illuminates homogeneously, free of shadows, reflected glare and flicker, without IR and UV components. Contrasts are clearly visible and colors are optimally reproduced: with a standard color rendering value of $Ra > 90$ or daylight-like $Ra > 95$ for the full-spectrum LED variants for all those for whom color fastness not only plays an important but an outstanding role.

Individuality

Personal preferences and different materials require individual light. The choice of three power levels, two fixed light colors (4000 or 5000 K) or TunableWhite (3000 - 6500 K switchable), cone prisms or opal white screen makes it possible to illuminate exactly as required. And because the amount of light is infinitely dimmable, TANEO also adapts effortlessly here. This ensures well-being and satisfaction for young and old.

We developed TANEО to make their users' jobs easier: for better vision, better eye health and highly satisfying results. Because when lighting and visual task are in perfect harmony, ideal conditions are created for creating or checking products of the highest quality. No matter if young or older. With TANEО, employees focus on the essentials of their demanding work because the conditions are simply right.



Longevity

We design for eternity! Therefore, TANEО has a closed design to protect the user and the integrated technology. Robust aluminum and fiberglass-reinforced high-performance plastic, just like the maintenance-free LED technology with up to 60,000 hours of service life and more are also the best prerequisites for a long-lasting product choice.

Mounting

We offer more individual setting options with the uniquely movable and balanced linkage with an enormous radius of action. Alternatively, TANEО enables space-saving substructure mounting.



ERGONOMIC IN ALL DETAILS



Outstanding glare control

TANEO illuminates two-dimensional, homogeneous, glare- and shadow-free.

The conical prismatic screen (CDP) is available for bundled light with better luminous efficacy and optimum glare control.

The opal screen produces a homogeneous light emission surface. It is ideal for specular or reflective surfaces such as in the jewelry, watch or dental industries. Without reflecting the aperture structure, TANEO optimally supports precise work there.



Performance levels according to requirements

In three sizes and thus three available power levels, the TANEO can meet any illuminance requirement as needed. The advantage being that both the purchase and the operating costs are based on what is actually needed.



Unique arm technology

The uniquely movable and balanced arm of the TANEO allows any position to be adjusted with little effort. This is held without further intervention, but can be locked if required. The arm also has a particularly large radius of action. Additionally, the luminaire head is variably thanks to the maximum movable 3D head joint.



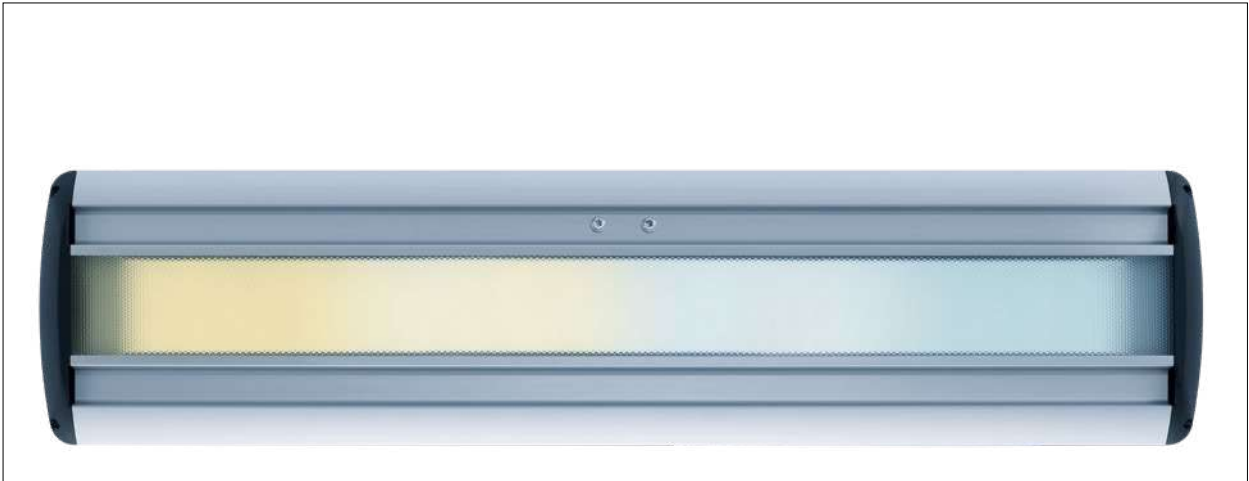
Excellent back protection

The TANEO arm-mounted luminaire is AGR certified: for back-friendly work. Because only those who have ergonomic light that can be perfectly adjusted to individual needs and the requirements of the visual task do not adopt an incorrect posture to compensate for poor visual conditions. This allows you to work in an upright, back-friendly position.

TUNABLE WHITE. LIGHT COLOR ACCORDING TO INDIVIDUAL REQUIREMENTS.

Different colors of light reflect surfaces and colors quite differently. Depending on the spectrum, our contrast vision differs. It's good when the luminaire ensures that conditions are always perfectly matched to the visual task and optimally support processes. In this way, normative specifications and recommendations or internal test specifications are easily met.

Warm white, neutral white, daylight white? If you have the choice, you're spoiled for choice. Or take all light colors in one luminaire! With TANE0 as Tunable White variant these are quite simply switchable between 3000 K, 4000 K, 5000 K and 6500 K by double click. Also the dimming value is continuously adjustable. And always remains the color rendering with Ra>90 outstanding. For best visibility, highest concentration and healthy eyes.

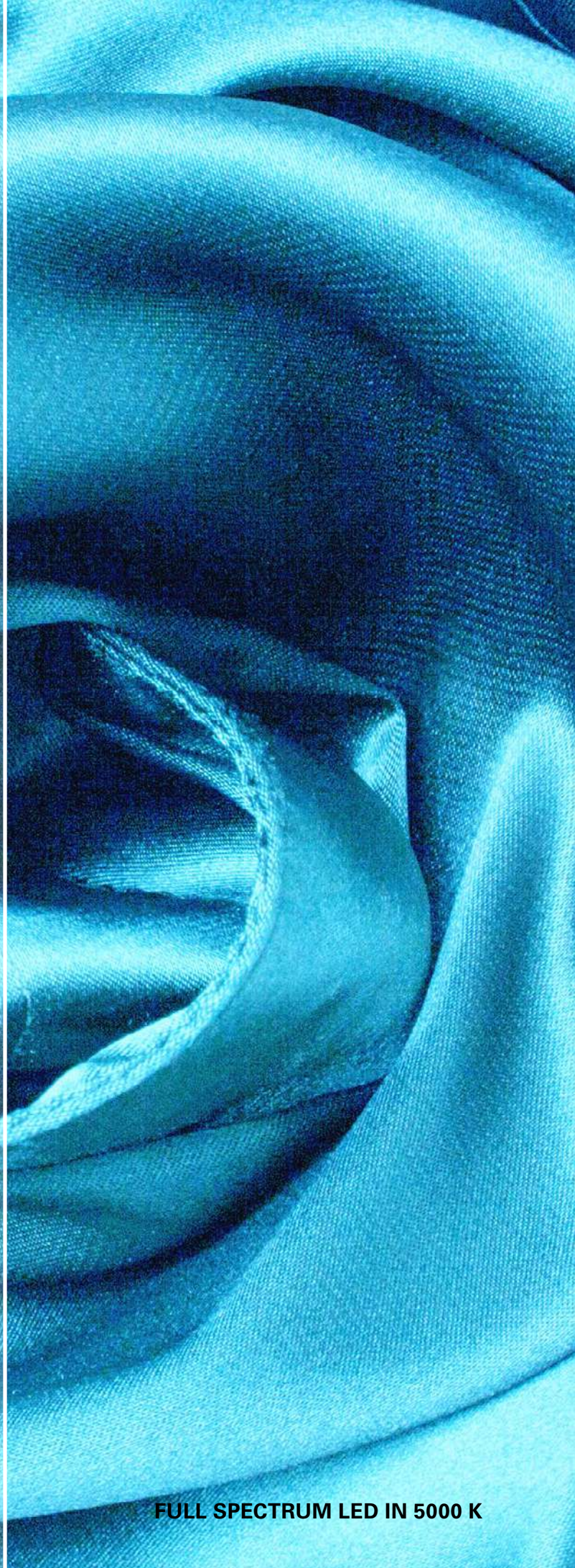


| | | | |
|--------|--------|--------|--------|
| 3000 K | 4000 K | 5000 K | 6500 K |
|--------|--------|--------|--------|





CONVENTIONAL LED



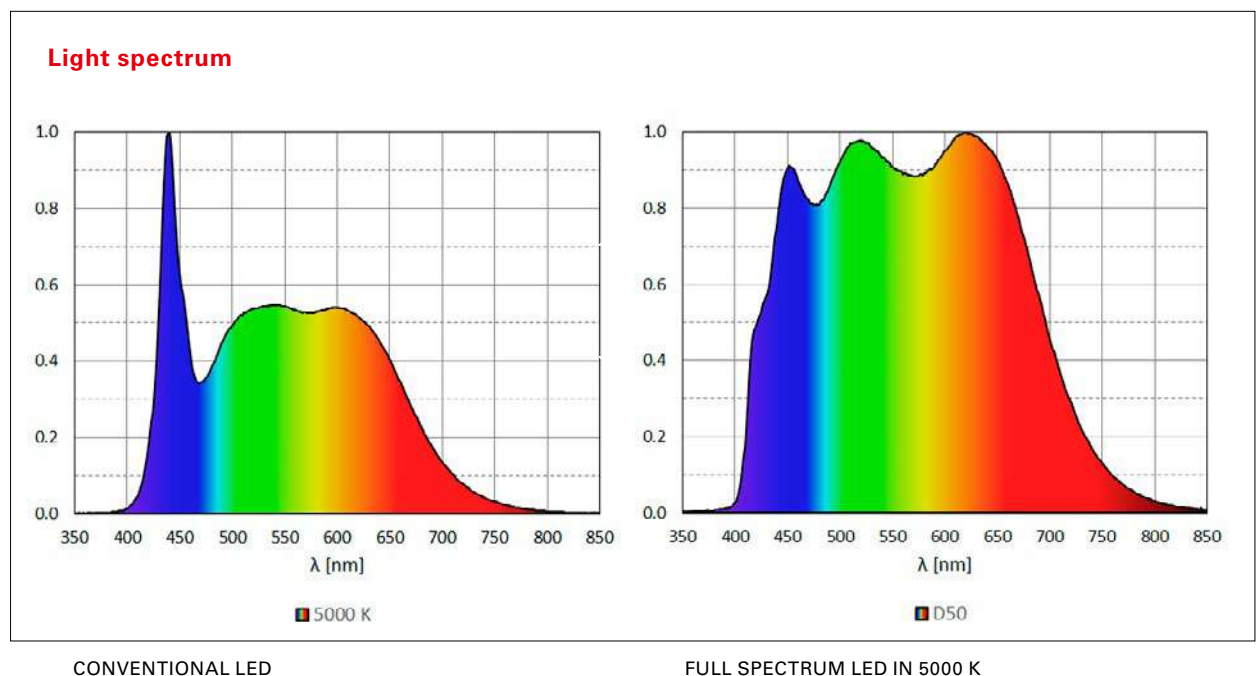
FULL SPECTRUM LED IN 5000 K

FULL SPECTRUM LED. SEE LIKE DAYLIGHT.

Natural daylight is the best light we humans know. We need it for our well-being and complex biological processes. Our vision is also deeply influenced by it.

Artificial light cannot reproduce all colors as vividly as we know it from daylight. The reason for this is the color spectrum of the illuminants. LEDs in particular differ perceptibly here. That's why TANEО has full-spectrum LED variants and supports true-color vision wherever precision and color fidelity are paramount.

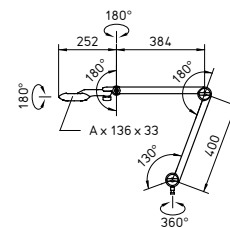
The full spectrum LED technology with a color rendering value of $R_a > 95$ produces a light with a homogeneous light spectrum that is very close to daylight. For brilliant vision and brilliant results. For watchmakers, goldsmiths, dental lab technicians, textile experts and all those who need not only good, but outstanding light for their work.



AS SHORT AND TECHNICAL AS POSSIBLE

Arm-Mounted Luminaire

- Power consumption 12, 23 or 30 W
- Color temperature neutral white 4000 K or 5000 K or TunableWhite switchable between 3000 K, 4000 K, 5000 K and 6500 K
- Glare control via CDP screen or white opal screen
- Color rendering Ra>90 and Ra>95 at full spectrum LED
- Housing of colorless anodised aluminium and black plastic, PMMA screen (CDP) or PC (white opal screen)
- Spring-relieved arm with 3D head joint
- Membrane switch in luminaire head for on/off and dimming
- Protection class IP20, protection class III (luminaire) and II (Power supply unit)
- Plug-in power supply (12 W) or table power supply (23 and 30 W), 100 – 240 V, 50/60 Hz, 3 m connection cable
- Various fasteners as accessories



Dimension
A: 12 W = 218 mm,
23 W = 398 mm,
30 W = 577 mm

Arm-Mounted Luminaire with CDP screen

| Power | Dimensions | Specifics | Luminous flux | Model | Ord. No. |
|-------|------------|-----------------------------|---------------|--------------------|--------------------|
| 12 W | 218 mm | 5000 K, CDP screen | 700 lm | TND 700/950/D | 113734000-00809716 |
| 12 W | 218 mm | 4000 K, CDP screen | 700 lm | TND 700/940/D | 113734000-00809715 |
| 12 W | 218 mm | 3000 K - 6500 K, CDP screen | 700 lm | TND 700/930-965/D | 113734000-00810075 |
| 23 W | 398 mm | 5000 K, CDP screen | 1500 lm | TND 1400/950/D | 113735000-00809726 |
| 23 W | 398 mm | 4000 K, CDP screen | 1500 lm | TND 1400/940/D | 113735000-00809724 |
| 23 W | 398 mm | 3000 K - 6500 K, CDP screen | 1500 lm | TND 1400/930-965/D | 113735000-00810081 |
| 30 W | 577 mm | 5000 K, CDP screen | 2300 lm | TND 2100/950/D | 113736000-00809765 |
| 30 W | 577 mm | 4000 K, CDP screen | 2300 lm | TND 2100/940/D | 113736000-00809764 |
| 30 W | 577 mm | 3000 K - 6500 K, CDP screen | 2300 lm | TND 2100/930-965/D | 113736000-00810093 |

Arm-Mounted Luminaire with white opal screen

| Power | Dimensions | Specifics | Luminous flux | Model | Ord. No. |
|-------|------------|---|---------------|--------------------|--------------------|
| 12 W | 218 mm | 5000 K, Polycarbonate (PC); white opal | 600 lm | TND 700/940/D | 113734000-00809717 |
| 12 W | 218 mm | 4000 K, Polycarbonate (PC); white opal | 600 lm | TND 700/950/D | 113734000-00809718 |
| 12 W | 218 mm | 3000 K - 6500 K, Polycarbonate (PC); white opal | 600 lm | TND 700/930-965/D | 113734000-00810076 |
| 14 W | 218 mm | 5000 K, Full spectrum, Polycarbonate (PC); white opal | 600 lm | TND 700/D50/D | 113734000-00810077 |
| 23 W | 398 mm | 4000 K, Polycarbonate (PC); white opal | 1400 lm | TND 1400/940/D | 113735000-00809728 |
| 23 W | 398 mm | 5000 K, Polycarbonate (PC); white opal | 1400 lm | TND 1400/950/D | 113735000-00809729 |
| 23 W | 398 mm | 3000 K - 6500 K, Polycarbonate (PC); white opal | 1400 lm | TND 1400/930-965/D | 113735000-00810082 |
| 27 W | 398 mm | 5000 K, Full spectrum, Polycarbonate (PC); white opal | 1400 lm | TND 1400/D50/D | 113735000-00810083 |
| 30 W | 577 mm | 4000 K, Polycarbonate (PC); white opal | 2000 lm | TND 2100/940/D | 113736000-00809766 |
| 30 W | 577 mm | 5000 K, Polycarbonate (PC); white opal | 2000 lm | TND 2100/950/D | 113736000-00809767 |
| 30 W | 577 mm | 3000 K - 6500 K, Polycarbonate (PC); white opal | 2000 lm | TND 2100/930-965/D | 113736000-00810094 |
| 38 W | 577 mm | 5000 K, Full spectrum, Polycarbonate (PC); white opal | 2000 lm | TND 2100/D50/D | 113736000-00810095 |

Arm-Mounted Luminaire with white opal screen and short support arm for watchmaker workplace

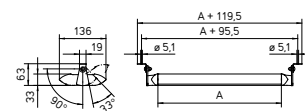
| Power | Dimensions | Specifics | Luminous flux | Model | Ord. No. |
|-------|------------|---|---------------|----------------|--------------------|
| 23 W | 398 mm | 5000 K, Polycarbonate (PC); white opal | 1400 lm | TND 1400/950/D | 113735000-00809730 |
| 27 W | 398 mm | 5000 K, Full spectrum, Polycarbonate (PC); white opal | 1400 lm | TND 1400/D50/D | 113735000-00810084 |

Arm-Mounted Luminaire with CDP screen in ESD design

| Power | Dimensions | Specifics | Luminous flux | Model | Ord. No. |
|-------|------------|-----------------------------------|---------------|-----------------|--------------------|
| 24 W | 398 mm | 4000 K, CDP screen; painted black | 1500 lm | TND 1400/940/AD | 113735000-00809725 |
| 24 W | 398 mm | 5000 K, CDP screen; painted black | 1500 lm | TND 1400/950/AD | 113735000-00809727 |

Workplace-System Luminaire

- Power consumption 23 and 30 W (fixed connection)
- Color temperature neutral white 4000 K or 5000 K
- Glare control via CDP screen or white opal screen
- Color rendering Ra>90
- Housing of colorless anodised aluminium and black plastic, PMMA screen (CDP) or PC (white opal screen)
- Fixed connection (23 and 30 W), with rotatable head joint
- Membrane switch in luminaire head for on/off and dimming
- Protection class IP20, protection class III (luminaire) and II (Power supply unit)
- Table power supply (23 and 30 W), 100 – 240 V, 50/60 Hz, 4 m connection cable



Dimension
A: 23 W = 359,5 mm,
30 W = 538,5 mm

| Power | Dimensions | Specifics | Luminous flux | Model | Ord. No. |
|-------|------------|--|---------------|----------------|--------------------|
| 23 W | 398 mm | 4000 K, CDP screen | 1500 lm | TNU 1400/940/D | 114460000-00811087 |
| 23 W | 398 mm | 5000 K, CDP screen | 1500 lm | TNU 1400/950/D | 114460000-00811088 |
| 23 W | 398 mm | 4000 K, Polycarbonate (PC); white opal | 1400 lm | TNU 1400/940/D | 114460000-00811074 |
| 23 W | 398 mm | 5000 K, Polycarbonate (PC); white opal | 1400 lm | TNU 1400/950/D | 114460000-00811075 |
| 30 W | 577 mm | 4000 K, CDP screen | 2300 lm | TNU 2100/940/D | 114461000-00811084 |
| 30 W | 577 mm | 5000 K, CDP screen | 2300 lm | TNU 2100/950/D | 114461000-00811085 |
| 30 W | 577 mm | 4000 K, Polycarbonate (PC); white opal | 2000 lm | TNU 2100/940/D | 114461000-00811086 |
| 30 W | 577 mm | 5000 K, Polycarbonate (PC); white opal | 2000 lm | TNU 2100/950/D | 114461000-00811109 |

WORKING WITH OPTIMUM LIGHT

TANEO

ALLROUND TALENT FOR WORKING WITH OPTIMUM LIGHT.

With application-oriented light output, high lighting quality and ergonomic handling, our TANEO ensures optimum working conditions and can be adapted to individual and activity-related requirements like no other. Whether in manufacturing, assembly, quality assurance or analysis, whether in laboratories, the electronics, metal, textile or watch industries: TANEO is a true universal talent. And because we don't rest on our laurels, but always strive for the best possible technical solution, with TANEO you can now see even better than ever before!

AS SHORT AND TECHNICAL AS POSSIBLE

- Power consumption 12, 23 or 30 W
- Color temperature neutral white 4000 K or 5000 K or TunableWhite switchable between 3000 K, 4000 K, 5000 K and 6500 K
- Glare control via CDP screen or white opal screen
- Color rendering $R_a > 90$ and $R_a > 95$ at full spectrum LED
- Housing of colorless anodised aluminium and black plastic, PMMA screen (CDP) or PC (white opal screen)
- Spring-relieved arm with 3D head joint
- Membrane switch in luminaire head for on/off and dimming
- Protection class IP20, protection class III (luminaire) and II (Power supply unit)
- Plug-in power supply (12 W) or table power supply (23 and 30 W), 100 – 240 V, 50 / 60 Hz, 3 m connection cable
- Various fasteners as accessories

Overview of variants



Assembly Workplace



Restorer Workplace

| Fitted with Power consumption | Operating device Connected load | Dimensions Special feature | Luminous flux | Model Order No. |
|----------------------------------|---|---|---------------|---|
| LED 12 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Structured 4000 K Cold white | 700 lm |  TND 700/940/D 00809715 |
| LED 12 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Structured 5000 K Cold white | 700 lm |  TND 700/950/D 00809716 |

| | | | | |
|-------------|---|---|---------|--|
| LED 12 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Tunable White Plastic; Structured | 700 lm |  TND 700/930-965/D 00810075 |
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Structured 4000 K Cold white | 1500 lm |  TND 1400/940/D 00809724 |
| LED 23 W | Electronic ballast 100-240 V; AC; 50/60 HZ | Plastic; Structured 5000 K Cold white | 1500 lm |  TND 1400/950/D 00809726 |
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Tunable White Plastic; Structured | 1500 lm |  TND 1400/930-965/D 00810081 |
| LED 30 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Structured 4000 K Cold white | 2300 lm |  TND 2100/940/D 00809764 |
| LED 30 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Structured 5000 K Cold white | 2300 lm |  TND 2100/950/D 00809765 |
| LED 31 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Tunable White Plastic; Structured | 2300 lm |  TND 2100/930-965/D 00810093 |







Testing Workplace



Laboratory and Dental Workplace



Goldsmith Workplace

| Fitted with Power consumption | Operating device Connected load | Dimensions Special feature | Luminous flux | Model Order No. |
|----------------------------------|---|---|---------------|---|
| LED 12 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Milky 4000 K Cold white | 600 lm |  TND 700/940/D 00809717 |
| LED 12 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Milky 5000 K Cold white | 600 lm |  TND 700/950/D 00809718 |
| LED 12 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Tunable White Plastic; Milky | 600 lm |  TND 700/930-965/D 00810076 |
| LED 14 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Full spectrum Plastic; Milky 5000 K | 550 lm |  TND 700/D50/D 00810077 |
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Milky 4000 K Cold white | 1400 lm | TND 1400/940/D 00809728 |
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Milky 5000 K Cold white | 1400 lm | TND 1400/950/D 00809729 |

| | | | | |
|-------------|---|---|---------|--------------------------------|
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Tunable White Plastic; Milky | 1400 lm | TND 1400/930-965/D 00810082 |
| LED 27 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Full spectrum Plastic; Milky 5000 K | 1300 lm | TND 1400/D50/D 00810083 |
| LED 30 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Milky 4000 K Cold white | 2000 lm | TND 2100/940/D 00809766 |
| LED 30 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Plastic; Milky 5000 K Cold white | 2000 lm | TND 2100/950/D 00809767 |
| LED 31 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Tunable White | 2000 lm | TND 2100/930-965/D 00810094 |
| LED 38 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Full spectrum 5000 K | 1800 lm | TND 2100/D50/D 00810095 |



Watchmaker Workplace

| Fitted with Power consumption | Operating device Connected load | Dimensions Special feature | Luminous flux | Model Order No. |
|----------------------------------|---|--|---------------|----------------------------|
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Short arm Plastic; Milky 5000 K | 1400 lm | TND 1400/950/D 00809730 |
| LED 27 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Short arm Full spectrum Plastic; Milky 5000 K | 1300 lm | TND 1400/D50/D 00810084 |



Electronics Workplace

| Fitted with Power consumption | Operating device Connected load | Dimensions Special feature | Luminous flux | Model Order No. |
|----------------------------------|---|--|---------------|-----------------------------|
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | ESD version Plastic; Structured 4900 K Cold white | 1350 lm | TND 1400/950/AD 00809727 |
| LED 23 W | Electronic transformer 100-240 V; AC; 50/60 HZ | ESD version Plastic; Structured 3900 K Cold white | 1350 lm | TND 1400/940/AD 00809725 |



Accessories



Table clamp

| Colour | Special feature | Order No. |
|--------|-----------------------|----------------------|
| black | 0 - 45 mm | 190008019 - 00014923 |
| black | 0 - 65 mm | 190007019 - 00014904 |
| black | 65 - 135 mm | 190033019 - 00014950 |
| black | 95 - 165 mm | 190035019 - 00014956 |
| black | 0 - 65 mm, ESD design | 190007059 - 00058094 |



Wall bracket

| Colour | Special feature | Order No. |
|--------|-----------------|----------------------|
| black | - | 226108019 - 00610754 |



Magnifier

| Dimensions | Dioptres | Special feature | Order No. |
|-----------------|---|-----------------|----------------------|
| ø 132 mm (lens) | 3.5 (magnification factor = 1.88 or 188%) | Plastic lens | 190207019 - 00575900 |



Magnifier

| Dimensions | Dioptres | Special feature | Order No. |
|-------------|---|-----------------|----------------------|
| 100 x 50 mm | 4 (magnification factor = 2,00 or 200%) | Glass lens | 190211019 - 00645199 |



ALD – VERSATILE AND FUNCTIONAL

The adjustable ALD arm-mounted luminaire appeals for its flexible head joint and balanced arm. The wide area of illumination of the work area and option of continuous dimming ensure ergonomic working, even for activities that take a long time. Plus the ALD is suitable for use in all kinds of industrial environments.



ALD compact

- LED technology
- Colour temperature neutral white 5000 K
- Colour rendering Ra > 80
- Glare-free thanks to structured cover
- Housing made of colourless anodised aluminium and grey plastic
- Polycarbonate plastic screen
- Ergonomic arm-mounting technology with 3D head joint
- Touch panel in luminaire head for On / Off and dimming
- Degree of protection IP20; protection class I
- Supplied with approx. 3 m connecting cable and plug-in power supply with plug type CEE 7/16 (Europlug), BS 1363 and NEMA 1-15P
- Various fasteners as accessories

| Fitted with Power | Operating device Connected load | Dimensions Special feature | E_m E_{max}^* | Model Order no. |
|----------------------|---|-------------------------------|---|--|
| LED 16 W | plug-in power supply 100 – 240 V, 50/60 Hz | – dimnable | 914 lx ¹ 2391 lx ¹ | ALD 1300/850/D 113 686 000 - 008 073 22 |

* E_m = medium illuminance; E_{max} = maximum illuminance;

¹ Measuring field 100 x 100 cm/Measuring distance 50 cm

VERSATILE AND FUNCTIONAL

ALD

Overview of variants



Assembly Workplace



Testing Workplace



Laboratory and Dental Workplace



Goldsmith Workplace

| Fitted with | Operating device | Dimensions | Luminous flux | Model |
|-------------------|----------------------------|-----------------|---------------|----------------|
| Power consumption | Connected load | Special feature | | Order No. |
| LED | Electronic plug-in ballast | | 1250 lm | ALD 1300/850/D |
| 16 W | 100-240 V; AC; 50/60 HZ | | | 00807322 |

Accessoires



Table clamp

| Colour | Special feature | Order No. |
|--------|-----------------|----------------------|
| black | 0 - 45 mm | 190008019 - 00014923 |
| black | 0 - 65 mm | 190007019 - 00014904 |
| black | 65 - 135 mm | 190033019 - 00014950 |
| black | 95 - 165 mm | 190035019 - 00014956 |



Wall bracket

| Colour | Special feature | Order No. |
|--------|-----------------|----------------------|
| black | - | 226108019 - 00610754 |

ROCIA.planar - Light all over the area



ROCIA.planar is a robust and simultaneously high-precision spotlight whose technical details, in particular the full-metal design, guarantee a high security of investment. Its 3D head joint, high illuminance and outstanding light quality guarantee exact adjustability and set standards in terms of ergonomics.

- Maintenance-free LED technology
- For strong, large-area and uniform lighting
- Continuous, flicker-free dimming (variants)
- Robust aluminium housing
- High degree of protection
- Chemically resistant to many media such as oils or cooling lubricants
- Exactly adjustable arm with 3D head joint
- Connection to machine or mains voltage

Overview of variants




- LED technology
- Colour temperature neutral white 5 000 K
- Colour rendering Ra > 80
- Glare-free thanks to white opal screen
- Housing made of aluminium painted black
- Polycarbonate plastic screen
- Partially spring-loaded arm
- LED service life (L70) > 50 000 h
- Switch or button in the luminaire head for On / Off or On / Off and dimming
- Degree of protection IP65 (luminaire head), protection class I (100-240 V) or III (24 V)
- Supplied with
 - approx. 3 m connecting cable and plug, type CEE 7 / 7 (100-240 V)
 - approx. 3 m connecting cable with table power supply and shaped plug type CEE 7 / 17 (100-240 V, dimmable) or
 - approx. 3 m connecting cable with free stranded wires (24 V)
- Various fasteners as accessories



Machine Tools



Woodworking Machines

| Fitted with Power consumption | Operating device Connected load | Dimensions Special feature | Luminous flux | | Model Order No. |
|----------------------------------|--|-------------------------------|---------------|---|-----------------------------|
| LED 18 W | Electronic ballast in housing 100-240 V; AC; 50/60 HZ | Switchable | 1350 lm |  | RPD 1700/850 00668976 |
| LED 18 W | Electronic transformer 100-240 V; AC; 50/60 HZ | Continuously dimmable | 1350 lm |  | RPD 1700/850/D 00803342 |
| LED 16 W | Without 22-26 V; DC | Continuously dimmable | 1450 lm |  | RPD 1700/850/DS 00800644 |

Accessories



Table clamp

| Colour | Special feature | Order No. |
|--------|-----------------|----------------------|
| black | 0 - 45 mm | 190008019 - 00014923 |
| black | 0 - 65 mm | 190007019 - 00014904 |
| black | 65 - 135 mm | 190033019 - 00014950 |
| black | 95 - 165 mm | 190035019 - 00014956 |



Wall angle bracket

| Colour | Special feature | Order No. |
|--------|-----------------|----------------------|
| black | - | 300213018 - 00025178 |
| white | - | 300213038 - 00070291 |

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