

Waldmann **W**

ENGINEER OF LIGHT.

ENG

TAMETO | SYSTEM LUMINAIRE





TAMETO ERGONOMIC SYSTEMATIC LIGHTING.



The right lighting is one of the most significant aspects of ergonomic design for industrial workplaces. It is a key factor influencing employees' ability to perform and the quality of their work. No compromises should be made, also in regard to power consumption. Because sustainable treatment of people and the environment also affects the economic efficiency of companies. TAMETO supports these principles. And because it is highly flexible, can be implemented in many diverse ways and is visually attractive, it is the highlight of any system work station.

- Extremely homogeneous, glare-free, flicker-free light
- Continuously dimmable (variants), with memory function
- With options for state-of-the-art T16 fluorescent lamps or LED technology
- Particularly durable lamp types with a service life of up to 24 000 hours (T16) or 50 000 hours (LED) and more
- Up to 60% energy savings at up to 40% higher illuminance when compared to conventional compact fluorescent lamps
- Fixed or suspended connection above tables
- Various lengths for different table widths and lighting needs
- Through-wiring for electrical daisy-chaining of several luminaires (variants)
- Additional LED luminaires for lateral installation in a table system
- Integrated T-slots for additional installation options
- Closed design for clean surroundings
- Extremely robust aluminium housing
- Premium workmanship in accordance with Waldmann's quality standards



The right design for smooth integration

Thanks to its modern industrial design and flat construction, TAMETO enhances any workplace. The light output is generated along the entire length of the luminaire, without any areas of darkness.

The symmetric profile design offers independence, e.g. when selecting the side for luminaire operation. The cleverly designed side parts enable the path of the cable to remain flexible and unobtrusive, and ensure simple access to lamps and screens or louvres.

No dirt particles can penetrate the closed housing and it is easy to clean. Even the variants with parabolic louvres can be closed with an additional clear screen (accessories). Both integrated T-slots on the back of the luminaire open up a wide range of connection options.

And: whether using a T16 fluorescent lamp or LED technology, the physical appearance of the luminaire always remains uniform.



TAMETO

ONE LIGHTING CONCEPT – COUNTLESS POSSIBILITIES:

The right lighting technology for any focus

When equipping workplaces with lighting technology, the focus can either be placed on a low initial investment or low costs during the service life cycle. TAMETO provides the opportunity to satisfy both: it is available with the option of either state-of-the-art T16 fluorescent lamps or the newest LED technology.

T16 luminaires convince with a low initial investment and energy savings of 45% with 40% higher illuminance in comparison to conventional luminaires with compact fluorescent lamps. The service life of the lamp type is up to 24 000 hours. However, LED luminaire lamp types have significantly lower costs over the course of their service life cycle with a service life of up to 50 000 hours and further reduced power consumption of 15%. At the same time, Waldmann Light Forming Technology in the LED luminaires ensures uniform and glare-free light.



The right luminaire for any work station

TAMETO is available for both fixed and suspended connection above a table. In addition, there is a luminaire available that can be installed laterally in the table system. This makes many combinations possible for an ideal lighting solution.

But TAMETO offers much more flexibility: both the fixed and suspended luminaires are available in different lengths and thus also in different performance classes. The former are available in 800 lx, 1,250 lx and 1,700 lx versions, the latter are available in 1,250 lx and 1,700 lx versions.



TAMETO

THE BASIC EQUIPMENT AT ANY WORK STATION.



Flexible Connection – Simple Integration

The luminaire for fixed connection can be flexibly mounted on aluminum profiles, (round) pipes and C-rails using both of the integrated T-slots on the back or the supplied mounting frames. Special variants are available with 599 mm, 899 mm and 1,199 mm lengths for accurate-to-measurement installations.

Connection to daisy-chained work stations is made easier thanks to through-wired variants.

TECHNICAL DATA

Features at a glance

- T16 fluorescent lamp or 2, 3 or 4 x LED lamps
- Color temperature neutral white 4,000 K
- Glare-free thanks to the conical prismatic screen or aluminumized parabolic louvre (T16)
- Housing made of colorless anodized aluminium and black plastic, screen made of PMMA or parabolic louvre made of ABS
- Mounting by means of mounting frames or T-slots (8 mm)
- With switch or, additionally, continuously dimmable
- System of protection IP20, class of protection I
- Delivery with 3 m connecting cable and shock-proof plug or Wieland GST18/3 plug/bushing (through-wired variants)
- Accessories

Clear PMMA screen

610 mm (336 748 020 - 005 517 06)

910 mm (336 748 030 - 005 509 16)

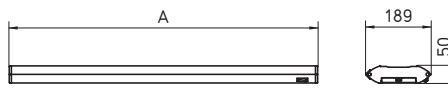
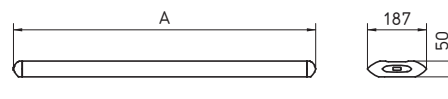
1,210 mm (336 748 040 - 005 517 12)

for insertion via the parabolic louvre

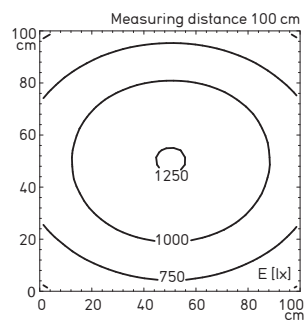
lamp bracket pair (408 001 586 - 005 780 88) for adjustable installation on C-rail

cables (226 030 019 - 005 679 77) for connection of through-wired luminaire

cables (330 691 010 - 005 773 61) for connection of through-wired luminaires (only for luminaires with dimension A = xx99 mm required)



TAMETO for accurate-to-measurement installations



Illuminance based on the example of 33 W LED

efficient *light*

220 – 240 V, 50/60 HZ							
OUTPUT	DIMENSIONS	DIMMING	THROUGH-WIRED	GLARE-FREE	E_m/E_{max}^*	MODEL	ORDER NO.
23 W LED	A = 656 mm			Conical prisms	592/808 lx ¹	SAHQ 44	112 971 000 - 005 513 37**
23 W LED	A = 656 mm		•	Conical prisms	592/808 lx ¹	SAHQ 44 D	112 971 000 - 005 555 76**
23 W LED	A = 656 mm	•		Conical prisms	592/808 lx ¹	SAHQ 44 R	112 972 000 - 005 513 40**
23 W LED	A = 656 mm	•	•	Conical prisms	592/808 lx ¹	SAHQ 44 RD	112 972 000 - 005 555 80**
23 W LED	A=599 mm		•	Conical prisms	592/808 lx ¹	SAHQ 44 D	113 034 000 - 005 776 11**
23 W LED	A=599 mm	•	•	Conical prisms	592/808 lx ¹	SAHQ 44 RD	113 035 000 - 005 776 14**
33 W LED	A = 956 mm			Conical prisms	922/1,254 lx ¹	SAHQ 66	112 975 000 - 005 513 49
33 W LED	A = 956 mm		•	Conical prisms	922/1,254 lx ¹	SAHQ 66 D	112 975 000 - 005 556 28
33 W LED	A = 956 mm	•		Conical prisms	922/1,254 lx ¹	SAHQ 66 R	112 976 000 - 005 513 52
33 W LED	A = 956 mm	•	•	Conical prisms	922/1,254 lx ¹	SAHQ 66 RD	112 976 000 - 005 556 31
33 W LED	A=899 mm		•	Conical prisms	922/1,254 lx ¹	SAHQ 66 D	113 036 000 - 005 776 17**
33 W LED	A=899 mm	•	•	Conical prisms	922/1,254 lx ¹	SAHQ 66 RD	113 037 000 - 005 776 20**
43 W LED	A = 1,256 mm			Conical prisms	1,139/1,509 lx ¹	SAHQ 88	112 979 000 - 005 513 61
43 W LED	A = 1,256 mm		•	Conical prisms	1,139/1,509 lx ¹	SAHQ 88 D	112 979 000 - 005 556 94
43 W LED	A = 1,256 mm	•		Conical prisms	1,139/1,509 lx ¹	SAHQ 88 R	112 980 000 - 005 513 64
43 W LED	A = 1,256 mm	•	•	Conical prisms	1,139/1,509 lx ¹	SAHQ 88 RD	112 980 000 - 005 556 97
43 W LED	A = 1,199 mm		•	Conical prisms	1,139/1,509 lx ¹	SAHQ 88 D	113 038 000 - 005 776 23**
43 W LED	A = 1,199 mm	•	•	Conical prisms	1,139/1,509 lx ¹	SAHQ 88 RD	113 039 000 - 005 776 26**

220 – 240 V, 50/60 HZ							
FITTED WITH	DIMENSIONS	DIMMING	THROUGH-WIRED	GLARE-FREE	E_m/E_{max}^*	MODEL	ORDER NO.
1 x 24 WT16	A = 656 mm			Conical prisms	499/685 lx ¹	SAH 124	112 969 000 - 005 506 62
1 x 24 WT16	A = 656 mm			Parabolic louvre	408/567 lx ¹	SAH 124	112 969 000 - 005 558 04
1 x 24 WT16	A = 656 mm		•	Conical prisms	499/685 lx ¹	SAH 124 D	112 969 000 - 005 558 07
1 x 24 WT16	A = 656 mm		•	Parabolic louvre	408/567 lx ¹	SAH 124 D	112 969 000 - 005 558 10
1 x 24 WT16	A = 656 mm	•		Conical prisms	499/685 lx ¹	SAH 124 R	112 970 000 - 005 558 14
1 x 24 WT16	A = 656 mm	•		Parabolic louvre	408/567 lx ¹	SAH 124 R	112 970 000 - 005 558 17
1 x 24 WT16	A = 656 mm	•	•	Conical prisms	499/685 lx ¹	SAH 124 RD	112 970 000 - 005 558 20
1 x 24 WT16	A = 656 mm	•	•	Parabolic louvre	408/567 lx ¹	SAH 124 RD	112 970 000 - 005 558 23
1 x 24 W T16	A=599 mm		•	Conical prisms	499/685 lx ¹	SAH 124 D	113 029 000 - 005 775 95**
1 x 24 W T16	A=599 mm	•	•	Conical prisms	499/685 lx ¹	SAH 124 RD	113 030 000 - 005 775 99**
1 x 39 WT16	A = 956 mm			Conical prisms	915/1,229 lx ¹	SAH 139	112 973 000 - 005 560 17
1 x 39 WT16	A = 956 mm			Parabolic louvre	734/1,000 lx ¹	SAH 139	112 973 000 - 005 560 20
1 x 39 WT16	A = 956 mm		•	Conical prisms	915/1,229 lx ¹	SAH 139 D	112 973 000 - 005 560 23
1 x 39 WT16	A = 956 mm		•	Parabolic louvre	734/1,000 lx ¹	SAH 139 D	112 973 000 - 005 560 26
1 x 39 WT16	A = 956 mm	•		Conical prisms	915/1,229 lx ¹	SAH 139 R	112 974 000 - 005 561 46
1 x 39 WT16	A = 956 mm	•		Parabolic louvre	734/1,000 lx ¹	SAH 139 R	112 974 000 - 005 561 49
1 x 39 WT16	A = 956 mm	•	•	Conical prisms	915/1,229 lx ¹	SAH 139 RD	112 974 000 - 005 561 52
1 x 39 WT16	A = 956 mm	•	•	Parabolic louvre	734/1,000 lx ¹	SAH 139 RD	112 974 000 - 005 561 55
1 x 39 WT16	A=899 mm		•	Conical prisms	915/1,229 lx ¹	SAH 139 D	113 024 000 - 005 684 47**
1 x 39 WT16	A=899 mm	•	•	Conical prisms	915/1,229 lx ¹	SAH 139 RD	113 031 000 - 005 776 02**
1 x 54 WT16	A = 1,256 mm			Conical prisms	1,270/1,709 lx ¹	SAH 154	112 977 000 - 005 561 71
1 x 54 WT16	A = 1,256 mm			Parabolic louvre	1,014/1,371 lx ¹	SAH 154	112 977 000 - 005 561 74
1 x 54 WT16	A = 1,256 mm		•	Conical prisms	1,270/1,709 lx ¹	SAH 154 D	112 977 000 - 005 561 77
1 x 54 WT16	A = 1,256 mm		•	Parabolic louvre	1,014/1,371 lx ¹	SAH 154 D	112 977 000 - 005 561 80
1 x 54 WT16	A = 1,256 mm	•		Conical prisms	1,270/1,709 lx ¹	SAH 154 R	112 978 000 - 005 561 86
1 x 54 WT16	A = 1,256 mm	•		Parabolic louvre	1,014/1,371 lx ¹	SAH 154 R	112 978 000 - 005 561 89
1 x 54 WT16	A = 1,256 mm	•	•	Conical prisms	1,270/1,709 lx ¹	SAH 154 RD	112 978 000 - 005 561 92
1 x 54 WT16	A = 1,256 mm	•	•	Parabolic louvre	1,014/1,371 lx ¹	SAH 154 RD	112 978 000 - 005 561 95
1 x 54 WT16	A = 1,199 mm		•	Conical prisms	1,270/1,709 lx ¹	SAH 154 D	113 032 000 - 005 776 05**
1 x 54 WT16	A = 1,199 mm	•	•	Conical prisms	1,270/1,709 lx ¹	SAH 154 RD	113 033 000 - 005 776 08**

* E_m = Medium illuminance; E_{max} = Maximum illuminance, ¹ Measuring range 100 x 100 cm / Measuring distance 100 cm, ** Available starting in mid 2013.

TAMETO THE RIGHT SETTING TO WORK ERGONOMICALLY.



Individually adjustable – maximum ergonomics

The luminaire for suspended mounting is mounted by means of a counterweight pendant on the top crossbeam of the system work station.

It is the first choice when a continuously height-adjustable system luminaire is required. Depending on individual lighting needs and the visual task, it can be set to the optimum height.

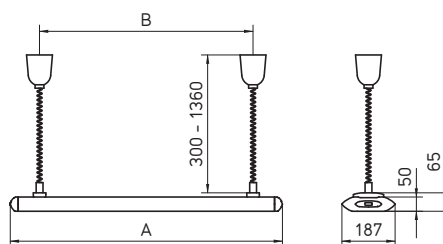
The handling is especially easy and the variable-length spiral cable ensures a tidy appearance.



TECHNICAL DATA



efficient *Light*



Features at a glance

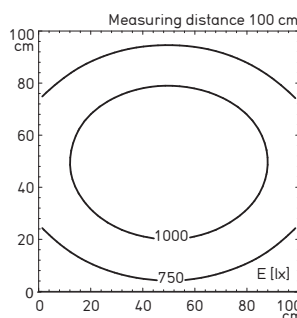
- T16 fluorescent lamp or 3 or 4 x LED lamps
- Color temperature neutral white 4,000 K
- Glare-free thanks to the conical prismatic screen or aluminumized parabolic louvre (T16)
- Housing made of colorless anodized aluminium and black plastic, screen made of PMMA or parabolic louvre made of ABS
- Integration by means of a counterweight pendant with an extension length of 0.3 – 1.36 m
- With switch or, additionally, continuously dimmable
- System of protection IP20, class of protection I
- Supplied without connecting cable
- Accessories

Clear PMMA screen

910 mm (336 748 030 - 005 509 16) and

1210 mm (336 748 040 - 005 517 12)

to insert above the parabolic louvre



Illuminance based on the example of 1x39 WT16 with conical prismatic screen

220 – 240 V, 50/60 HZ

OUTPUT	DIMENSIONS	DIMMING	GLARE-FREE	E_m / E_{max}^*	MODEL	ORDER NO.
33 W LED	A = 956 mm, B = 750 mm		Conical prisms	922/1,254 lx ¹	SAHZQ 66	112 983 000 - 005 513 73
33 W LED	A = 956 mm, B = 750 mm	•	Conical prisms	922/1,254 lx ¹	SAHZQ 66 R	112 984 000 - 005 513 77
43 W LED	A = 1,256 mm, B = 1,050 mm		Conical prisms	1,139/1,509 lx ¹	SAHZQ 88	112 987 000 - 005 513 86
43 W LED	A = 1,256 mm, B = 1,050 mm	•	Conical prisms	1,139/1,509 lx ¹	SAHZQ 88 R	112 988 000 - 005 513 89

220 – 240 V, 50/60 HZ

FITTED WITH	DIMENSIONS	DIMMING	GLARE-FREE	E_m / E_{max}^*	MODEL	ORDER NO.
1 x 39 WT16	A = 956 mm, B = 750 mm		Conical prisms	915/1,229 lx ¹	SAHZ 139	112 981 000 - 005 513 67
1 x 39 WT16	A = 956 mm, B = 750 mm		Parabolic louvre	734/1,000 lx ¹	SAHZ 139	112 981 000 - 005 557 00
1 x 39 WT16	A = 956 mm, B = 750 mm	•	Conical prisms	915/1,229 lx ¹	SAHZ 139 R	112 982 000 - 005 513 70
1 x 39 WT16	A = 956 mm, B = 750 mm	•	Parabolic louvre	734/1,000 lx ¹	SAHZ 139 R	112 982 000 - 005 557 03
1 x 54 WT16	A = 1,256 mm, B = 1,050 mm		Conical prisms	1,270/1,709 lx ¹	SAHZ 154	112 985 000 - 005 513 80
1 x 54 WT16	A = 1,256 mm, B = 1,050 mm		Parabolic louvre	1,014/1,371 lx ¹	SAHZ 154	112 985 000 - 005 557 06
1 x 54 WT16	A = 1,256 mm, B = 1,050 mm	•	Conical prisms	1,270/1,709 lx ¹	SAHZ 154 R	112 986 000 - 005 513 83
1 x 54 WT16	A = 1,256 mm, B = 1,050 mm	•	Parabolic louvre	1,014/1,371 lx ¹	SAHZ 154 R	112 986 000 - 005 557 09

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

TAMETO AN EXTRA HELPING OF LIGHT FOR IMPRESSIVE RESULTS.



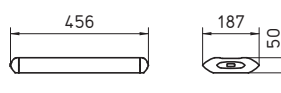
Additional light – effective lighting

The luminaires for lateral mounting are mounted at the desired height and at the desired angle of illumination on the vertical pillars of the system work station using the supplied mounting brackets.

Depending on which luminaires are switched on, completely shadow-free illumination or a desired shadow effect can be produced. This can, for example, make fine surface irregularities visible.

Of course, lateral luminaires are also suitable if more light is needed for certain visual tasks.

TECHNICAL DATA

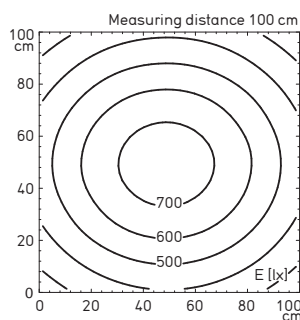


efficient *light*

Features at a glance

- 2 x LED lamps
- Color temperature neutral white 4,000 K
- Glare-free thanks to conical prismatic screen
- Housing made of colorless anodized aluminium and black plastic, screen made of PMMA
- Mounted by means of a mounting bracket
- With switch
- System of protection IP20, class of protection I
- Supplied with 3 m connecting cable and shock-proof plug
- Accessories

Additional bracket for an assembly on the top crossbeam that can be rotated (408 001 917 - 005 612 05)



Illuminance based on the example of 23 W LED

220 – 240 V, 50/60 HZ						
OUTPUT	DIMENSIONS	DIMMING	GLARE-FREE	E_m / E_{max}^*	MODEL	ORDER NO.
23 W LED	456 mm		Conical prisms	520/744 lx ¹	SAHKQ 60	112 989 000 - 005 513 92**

* E_m = Medium illuminance; E_{max} = Maximum illuminance; ¹ Measuring range 100 cm x 100 cm / Measuring distance 100 cm; ** Available starting in mid 2013.

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