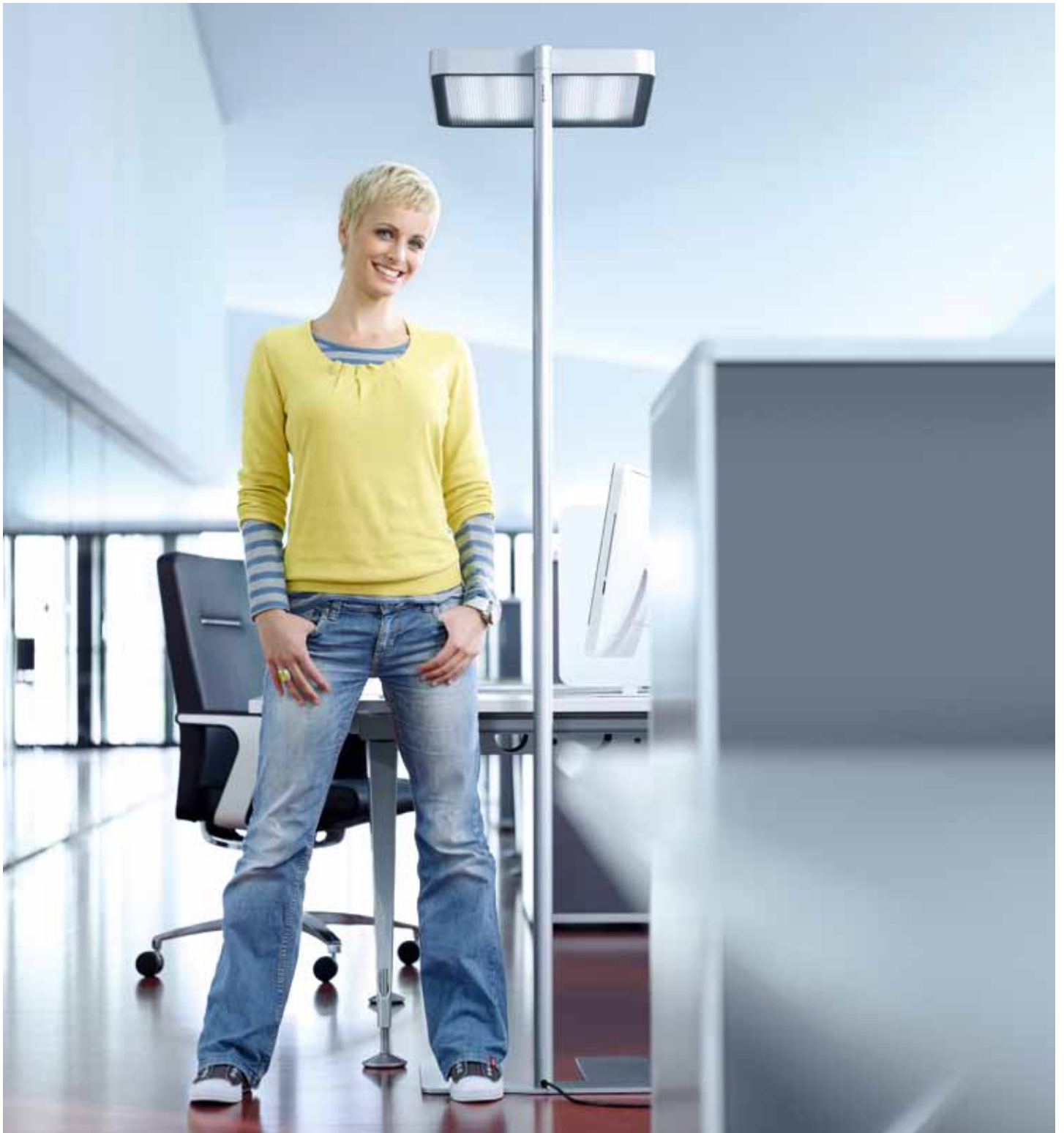

LIGHT FOR OFFICE AND ADMINISTRATION
CATALOG 2012 / 2013



LIGHT FOR OFFICE AND ADMINISTRATION
CATALOG 2012/2013



WALDMANN – ENGINEER OF LIGHT.

Waldmann's home is in one of the most beautiful areas in Germany – the Black Forest. Founded in Villingen-Schwenningen, it was once an electrical installation company and is today a global player with its own distribution and production locations in 12 nations. The global presence is additionally supported by a dense network of distribution partners and cooperations. This guarantees extensive and direct consultations.

With more than 800 employees, the owner-run SME ranks among the innovation and technology leaders when it comes to finding the right light for industry workplaces or offices. Waldmann was among the first pioneers to provide offices with flexible indirect luminaires. With the ambition to create light for people and offer the right light in the right place, the company has continued to develop solutions for office applications.

Waldmann also demonstrated the foresight of an Engineer of Light when it comes to energy efficiency: the first self-developed daylight and presence sensors were already built into free-standing luminaires in 1999. Today, Waldmann luminaires and PULSE light management systems ensure low consumption and satisfied users around the world. They are high-quality, functional, durable, and, of course, "Made in Germany" at a company certified in accordance with DIN ISO 9001 and 14001.

Waldmann, a sure decision.

GREEN ENTERS THE OFFICE ENVIRONMENT.

efficient *light*

The requirements placed on modern office work station configurations today are diverse. Office Efficiency is the name of the game. Reduce costs and increase productivity at the same time. Light plays an important role in this context. It consumes energy, enhances the user's performance, and considerably influences flexible room design and use in the building. "Green" lighting offers tremendous possibilities to protect resources and save energy. It improves the lighting climate of the workplace and is proven to boost employee performance.

All Waldmann products are equipped with innovative light control, highly effective glare-free technology, and extensive energy-saving potential. Waldmann identifies especially energy-optimized products with very high lighting quality by giving them the quality label "efficient light." Great value is placed on sustainable materials and processes throughout development and production.

A year-long monitoring project by ThyssenKrupp Real Estate, the Rosenheim University of Applied Sciences, and Waldmann demonstrates the efficiency of flexible lighting solutions. The survey, which was carried out over a period of 12 months, shows that luminaires can save 44 % energy with the support of daylight and presence sensors – a significant amount of energy.

Energy efficiency and high lighting quality mean applied competence for Waldmann. Building a sustainable future is a challenge in which we will gladly support you.





INTEGRATED THINKING.
COMPREHENSIVE CONSULTATION.
WALDMANN TWIN-C.

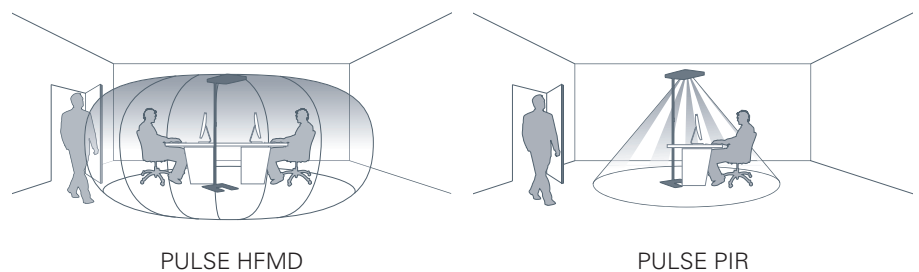


Constant increases in energy costs force companies to think of ways to save on lighting during building planning. The key principle is to reduce energy costs. However: simply reducing output cannot be the solution.

Waldmann has the ways and the means to optimize your light efficiency without sacrificing comfort. With the appropriate Waldmann concept, investing in good light often means more than simply saving energy; it also means improved concentration and better employee performance.

Waldmann calls its comprehensive approach to the development of individual solutions the TWIN-C approach – concepts and components – developing concepts based on the intelligent use of harmonized components. TWIN-C concepts ensure energy savings, economical efficiency, health, and increased motivation and performance. They view the architecture, the room, and the work station as components of an individually differentiated overall solution. If required, classic free-standing, suspended, or task luminaire components are also combined with additional elements to achieve certain desired effects, for example, an effective reflection and acoustic canvas system.

AHEAD OF THEIR TIME. WALDMANN LIGHT MANAGEMENT SYSTEMS.



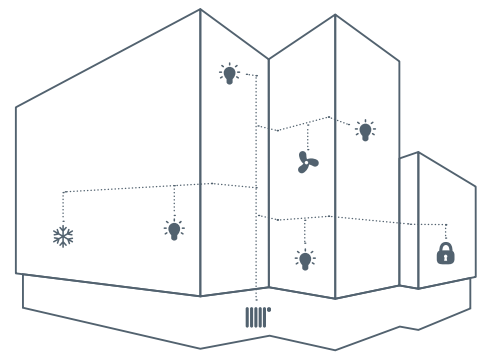
Energy reducing technologies with modern sensor systems and intelligent control take energy saving to a new level. Thanks to Waldmann light management systems with PULSE control, free-standing luminaires are only switched on if the sensor registers a presence in the room and the daylight is no longer sufficient.

The PULSE HFMD (High Frequency Motion Detector) sensor system developed by Waldmann is unique. This technology detects even the smallest movement within a definable area. The extensive and assured presence detection as well as very fine-tuned daylight adjustment ensures the highest level of user satisfaction and reduces consumption at the same time. Unlike classic passive infrared systems (PIR), the system regulates independent of temperature, analyzes a larger detection area, and detects presence, even if there is an absence of significant movements over a certain period of time.





INDIVIDUALITY – INTEGRATED INTO THE BUILDING MANAGEMENT.



The quality, sustainability, and value maintenance of contemporary architecture is also measured by whether it uses the possibilities of modern building management systems.

If the infrastructure of the building management technology is to achieve maximum energy efficiency, then an automatic requirements analysis via presence detectors is necessary in the room automation for all facilities (lighting, shade, heat, ventilation, and air conditioning).

If intelligent Waldmann luminaires are additionally networked via bus systems (KNX, LON), new possibilities emerge to elegantly meet general basic requirements for functional buildings. For example, this concerns the integration of free-standing luminaires in lighting scenes or the additional use of energy-saving potential thanks to a presence control that switches other electrical devices like printers or copy machines on and off. Other components such as room temperature, sun protection, ventilation, and air conditioning can also be linked to the lighting and automatically controlled.

Bus components from Waldmann are optimally fitted to all common system components and offer the highest degree of mobility despite integration into the building management system thanks to flexible positioning and simple, cost-effective installation.





FREE-STANDING LUMINAIRES 16

DESK-MOUNTED LUMINAIRES 38

SUSPENDED LUMINAIRES 52

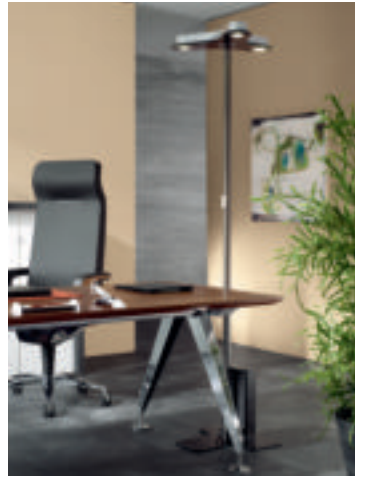
MOUNTED LUMINAIRES 62

WALL-MOUNTED LUMINAIRES 68

TASK LUMINAIRES 74

TUBE LUMINAIRES 88

ACCESSORIES 100





SIRA

18

ATARO LED

22

ATARO HYBRID

23

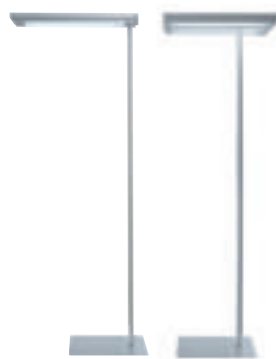
ATARO

24

FREE-STANDING LUMINAIRES



TYCOON COMFORT

30

TYCOON CLASSIC

34

CHORUS

36

LIGHTING UP THE FUTURE.

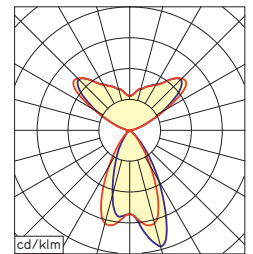
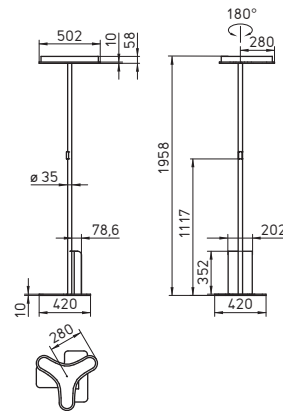
The future must be different. New, creative, visionary. The future must inspire us. And captivate us all. The future needs ideas and energy. SIRA is the future. Powerful LEDs offer new possibilities for operation, light control, and the design of luminaires. SIRA takes advantage of these options and breaks new ground in the function and design of free-standing luminaire concepts.



SIRA



Possible positions.



SIRA at a glance

- HIGH-POWER LED for the lighting of workrooms
- Harmonious, warm LED indirect light
- Activating, adjustable LED direct light
- Integrated socket board
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 180°
- Glare-free technology and light control with adjustable Fresnel lenses
- Separate switching or dimming of direct and indirect light

SIRA technical data

Ballast	Electricity supply unit
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 29 %
UGR	< 16
Luminance	< 7,800 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Light Efficiency	Approx. 54 lm/W
Color	quarz anthracite
Mains Lead	Approx. 3 m connection cable with shock-proof plug

Fitted With

LED 78 W

Technology

PULSE dimmable

Consumption

96 W

Model

DTS 12/D

Order Number

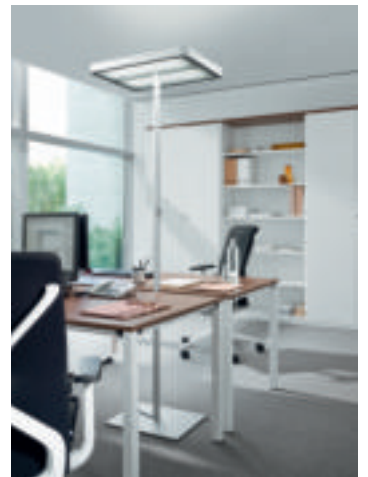
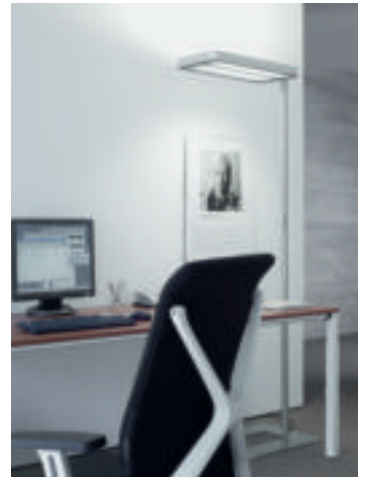
121 563 008 - 004 549 93

ATARO.
LIGHT WITH A SENSE
OF FAMILY.

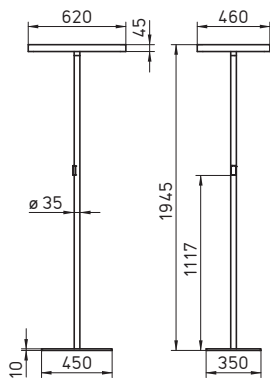
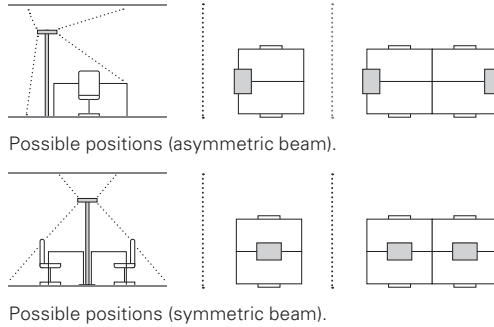




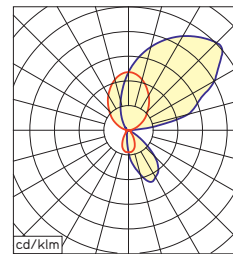
ATARO is not just a luminaire, but rather a complete luminaire system that stands for one unique idea: Intelligent engineering and high-quality design are combined in one luminaire.



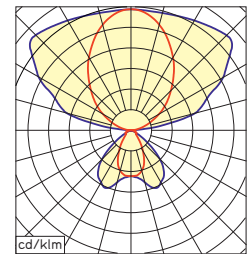
ATARO LED



efficient *light*



asymmetrical



symmetrical

ATARO at a glance

- LED for the lighting of workrooms
- Glare-free technology and light control with collimator micro prism combination
- Variants with symmetrical or asymmetrical radiation characteristic
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Separate switching or dimming of direct and indirect light (only dimmable variant)

ATARO LED technical data

Ballast	Electricity supply unit
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 16 %
UGR	< 16
Luminance	< 3,300 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Color	Signal white, silver metallic
Mains Lead	Approx. 3 m with shock-proof plug

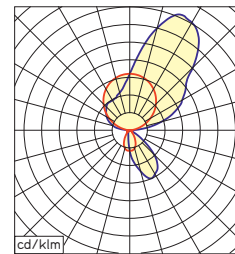
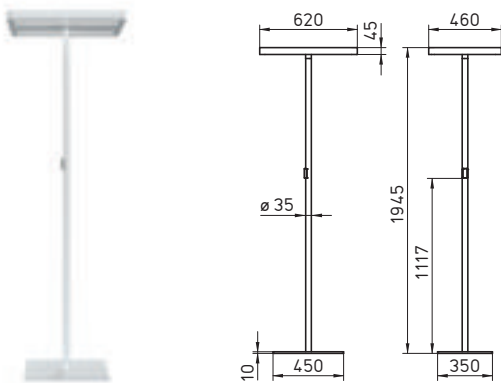
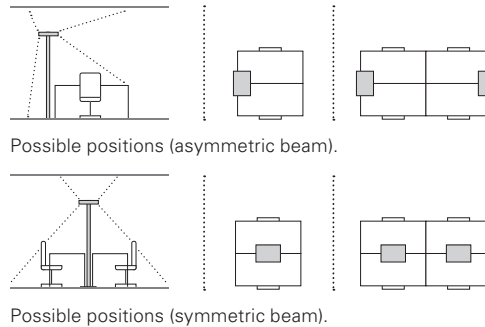
Symmetrical Beam

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
LED 151 W	PULSE dimmable	168 W	DUS 180/D	121 621 000 - 005 221 98	121 621 000 - 005 222 01
LED 151 W	PULSE HFMD	168 W	DUS 180/P	121 622 000 - 005 222 04	121 622 000 - 005 222 08

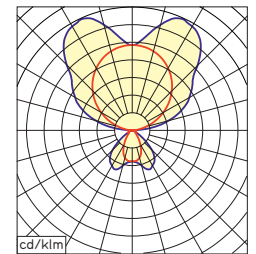
Asymmetrical Beam

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
LED 151 W	PULSE dimmable	168 W	DUS 180/D	121 594 011 - 005 154 07	121 594 012 - 004 827 03
LED 151 W	PULSE HFMD	168 W	DUS 180/P	121 595 011 - 005 154 13	121 595 012 - 004 827 06

ATARO HYBRID



asymmetrical



symmetrical

ATARO HYBRID at a glance

- Pleasant room light with T5 LS lamp technology
- Glare-free and activating LED direct light
- Glare-free technology and light control with collimator micro prism combination
- Variants with symmetrical or asymmetrical radiation characteristic
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Separate switching and dimming of direct and indirect light (for luminaires without sensor systems) also via wireless (separate transmitter required, see Accessories)

ATARO HYBRID technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 16 %
UGR	< 16
Luminance	< 3,300 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Light Efficiency	> 57 lm/W
Energy Efficiency Class EEI	Lamp: A / Ballast: A1 BAT
Color	Signal white, silver metallic
Mains Lead	Approx. 3 m with shock-proof plug

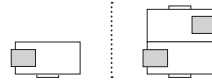
Symmetrical Beam

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
LED 38 W, 4 x T5 24 W	PULSE dimmable	146 W	DUS 424-96/D	121 570 011 - 004 537 31	121 570 000 - 005 222 28
LED 38 W, 4 x T5 24 W	Dimmable via wireless	146 W	DUS 424-96/DF	121 605 011 - 004 991 38	121 605 012 - 004 991 77
LED 38 W, 4 x T5 24 W	PULSE PIR	146 W	DUS 424-96/R	121 573 011 - 000 998 52	121 573 000 - 005 222 46
LED 38 W, 4 x T5 24 W	PULSE HFMD	146 W	DUS 424-96/P	121 571 011 - 004 537 34	121 571 000 - 005 222 52

Asymmetrical Beam

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
LED 38 W, 4 x T5 24 W	PULSE dimmable	146 W	DUS 424-96/D	121 572 011 - 000 998 51	121 572 000 - 005 222 92
LED 38 W, 4 x T5 24 W	Dimmable via wireless	146 W	DUS 424-96/DF	121 606 011 - 004 993 17	121 606 012 - 004 993 23
LED 38 W, 4 x T5 24 W	PULSE PIR	146 W	DUS 424-96/R	121 623 000 - 005 222 70	121 623 000 - 005 222 95
LED 38 W, 4 x T5 24 W	PULSE HFMD	146 W	DUS 424-96/P	121 624 000 - 005 222 74	121 624 000 - 005 222 98

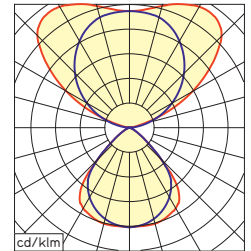
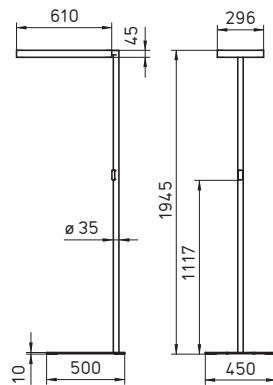
ATARO



Possible positions.



efficient^{light}



ATARO at a glance

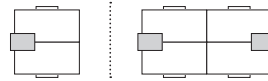
- Easy to reach, multifunctional operating element
- Head connection can be rotated to an angle of +/- 45°
- Removable frame and prism panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying AMBIO micro prisms
- Base plate section for optimum positioning at the work station

ATARO technical data

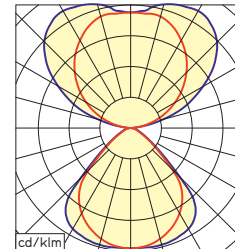
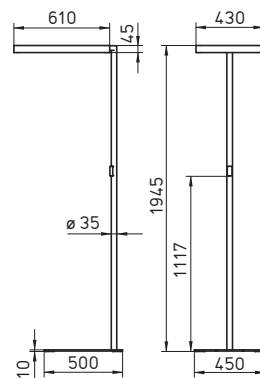
Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 30 %
UGR	< 16
Luminance	< 1,200 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 74 %
Luminaire Light Efficiency	Approx. 62 lm/W
Energy Efficiency Class EEL	Lamp: A/Ballast: A1 BAT
Color	White, silver metallic
Mains Lead	Approx. 3 m with shock-proof plug
Base Plate Section	380 x 170 mm

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
2 x TC-LEL 40 W	PULSE switchable	83 W	DUS 240	121 209 011 - 000 487 28	121 209 012 - 000 603 60
2 x TC-LEL 40 W	PULSE dimmable	83 W	DUS 240/D	121 210 011 - 000 505 16	121 210 012 - 000 603 79
2 x TC-LEL 40 W	PULSE PIR	83 W	DUS 240/R	121 211 001 - 000 389 53	121 211 002 - 000 576 23
2 x TC-LEL 40 W	PULSE HFMD	83 W	DUS 240/P	121 212 001 - 000 387 14	121 212 002 - 000 576 45

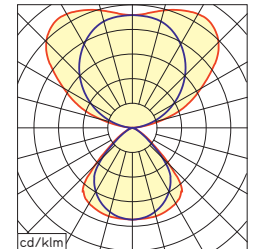
ATARO



Possible positions.



4 x 26 W



4 x 40 W

ATARO at a glance

- Easy to reach, multifunctional operating element
- Head connection can be rotated to an angle of +/- 45°
- Removable frame and prism panel for easy change of lamps and simple cleaning
- Glare-free technology with light-amplifying AMBIO micro prisms
- Base plate section for optimum positioning at the work station

ATARO technical data

	4 x 26 W	4 x 40 W
Ballast	Electronic ballast	
Connected Load	220 – 240 V; 50/60 Hz	
Light Distribution	Direct/indirect	
Direct Output	Approx. 38 %	Approx. 30 %
UGR	< 19	< 16
Luminance	< 2,500 cd/m ²	< 1,200 cd/m ²
Light Color	Neutral white 4,000 K	
Color Reproduction	Ra > 80	
Luminaire Efficiency	Approx. 88 %	Approx. 74 %
Luminaire Light Efficiency	Approx. 77 lm/W	Approx. 62 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT	
Color	White, silver metallic	
Mains Lead	Approx. 3 m with shock-proof plug, *5-pole bus plug	
Base Plate Section	380 x 170 mm	

Fitted With

Technology

Consumption

Model

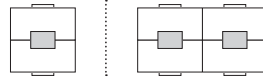
Order Number White

Order Number Silver

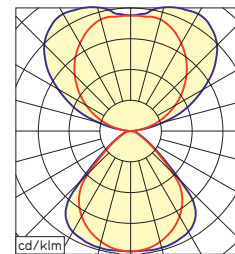
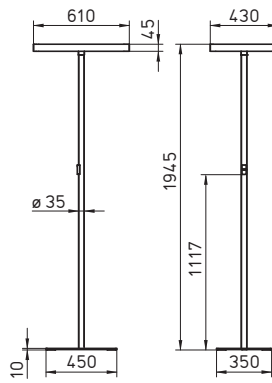
Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
4 x TC-LEL 26 W	PULSE switchable	123 W	DUS 426/2	121 612 011 - 005 158 34	121 612 012 - 005 158 87
4 x TC-LEL 26 W	PULSE dimmable	123 W	DUS 426/D	121 613 011 - 005 158 37	121 613 012 - 005 158 90
4 x TC-LEL 26 W	PULSE PIR	123 W	DUS 426/R	121 614 011 - 005 158 40	121 614 012 - 005 158 93
4 x TC-LEL 26 W	PULSE HFMD	123 W	DUS 426/P	121 615 011 - 005 158 43	121 615 012 - 005 158 96
4 x TC-LEL 40 W	PULSE switchable	165 W	DUS 440/2	121 220 011 - 000 500 40	121 220 012 - 000 604 41
4 x TC-LEL 40 W	PULSE dimmable	165 W	DUS 440/D	121 221 011 - 000 513 80	121 221 012 - 000 605 73
4 x TC-LEL 40 W	Dimmable, DALI	165 W	DUS 440/D*	121 227 001 - 000 397 11	121 227 002 - 000 579 63
4 x TC-LEL 40 W	PULSE PIR	165 W	DUS 440/R	121 223 001 - 000 393 97	121 223 002 - 000 579 65
4 x TC-LEL 40 W	PULSE HFMD	165 W	DUS 440/P	121 222 001 - 000 318 22	121 222 002 - 000 579 90
4 x TC-LEL 40 W	PULSE HFMD KNX	165 W	DUS 440/PB*	121 224 001 - 000 395 06	121 224 002 - 000 580 88
4 x TC-LEL 40 W	PULSE HFMD LON	165 W	DUS 440/PB*	121 225 001 - 000 396 88	121 225 002 - 000 580 92



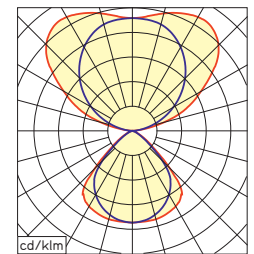
ATARO



Possible positions.



4 x 26 W



4 x 40 W

ATARO at a glance

- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Removable frame and prism panel for easy change of lamps and simple cleaning
- Glare-free technology with light-amplifying AMBIO micro prisms

ATARO technical data

	4 x 26 W	4 x 40 W
Ballast	Electronic ballast	
Connected Load	220 – 240 V; 50/60 Hz	
Light Distribution	Direct/indirect	
Direct Output	Approx. 38 %	Approx. 30 %
UGR	< 16	
Luminance	< 2,500 cd/m ²	< 1,200 cd/m ²
Light Color	Neutral white 4,000 K	
Color Reproduction	Ra > 80	
Luminaire Efficiency	Approx. 88 %	Approx. 74 %
Luminaire Light Efficiency	Approx. 77 lm/W	Approx. 62 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT	
Color	White, silver metallic	
Mains Lead	Approx. 3 m with shock-proof plug, *5-pole bus plug	

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
4 x TC-LEL 26 W	PULSE switchable	123 W	DUS 426/2	121 628 000 - 005 222 37	121 628 000 - 005 222 42
4 x TC-LEL 26 W	PULSE dimmable	123 W	DUS 426/D	121 629 000 - 005 224 22	121 629 000 - 005 224 45
4 x TC-LEL 26 W	PULSE PIR	123 W	DUS 426/R	121 630 000 - 005 224 48	121 630 000 - 005 224 51
4 x TC-LEL 26 W	PULSE HFMD	123 W	DUS 426/P	121 631 000 - 005 224 54	121 631 000 - 005 224 57
4 x TC-LEL 40 W	PULSE switchable	165 W	DUS 440/2	121 550 011 - 000 766 13	121 550 012 - 000 766 27
4 x TC-LEL 40 W	PULSE dimmable	165 W	DUS 440/D	121 551 011 - 000 750 68	121 551 012 - 000 750 71
4 x TC-LEL 40 W	Dimmable, DALI	165 W	DUS 440/D*	121 552 001 - 000 776 30	121 552 002 - 000 776 39
4 x TC-LEL 40 W	PULSE PIR	165 W	DUS 440/R	121 228 001 - 000 698 09	121 228 002 - 000 698 13
4 x TC-LEL 40 W	PULSE HFMD	165 W	DUS 440/P	121 553 001 - 000 732 08	121 553 002 - 000 732 61
4 x TC-LEL 40 W	PULSE HFMD KNX	165 W	DUS 440/PB*	121 554 001 - 000 790 43	121 554 002 - 000 790 44
4 x TC-LEL 40 W	PULSE HFMD LON	165 W	DUS 440/PB*	121 555 001 - 000 791 51	121 555 002 - 000 791 52

TYCOON inspires, creates the mood and adapts to its surroundings. This lighting solution fulfills a wide variety of lighting concepts with one design range.

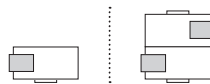


TYCOON.
THE INTELLIGENCE
OF LIGHTING.





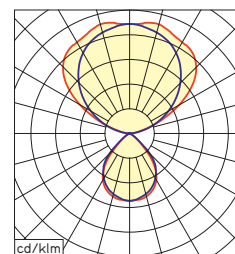
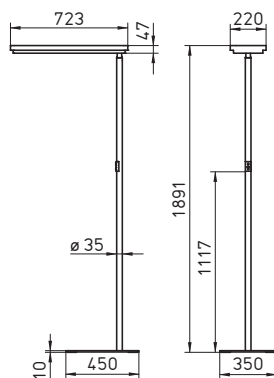
TYCOON COMFORT



Possible positions.



efficient^{light}



TYCOON at a glance

- Two individually adjustable lighting levels
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Removable side part and panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying CDP micro prisms

TYCOON COMFORT technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 27 %
UGR	< 16
Luminance	< 1,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 73 %
Luminaire Light Efficiency	Approx. 61 lm/W
Energy Efficiency Class EEL	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mains Lead	Approx. 3 m with shock-proof plug

Fitted With

Technology

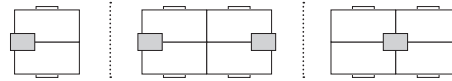
Consumption

Model

Order Number

2 x TC-LEL 55 W	PULSE switchable	114 W	DYS 255	121 438 008 - 000 790 98
2 x TC-LEL 55 W	PULSE dimmable	114 W	DYS 255/D	121 437 008 - 000 790 91
2 x TC-LEL 55 W	PULSE HFMD	114 W	DYS 255/P	121 436 008 - 000 790 87

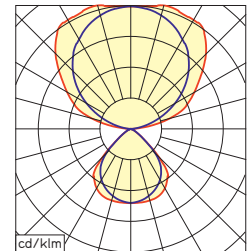
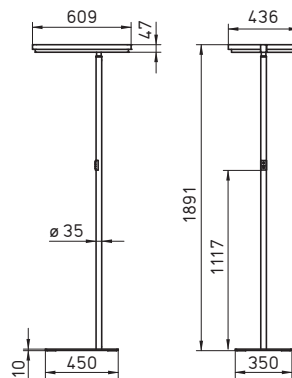
TYCOON COMFORT



Possible positions.



efficient *light*



TYCOON COMFORT at a glance

- Two individually adjustable lighting levels
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Removable side part and panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying CDP micro prisms

TYCOON COMFORT technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 27 %
UGR	< 16
Luminance	< 1,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 72 %
Luminaire Light Efficiency	Approx. 58 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mains Lead	Approx. 3 m with shock-proof plug

Fitted With

Technology

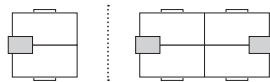
Consumption

Model

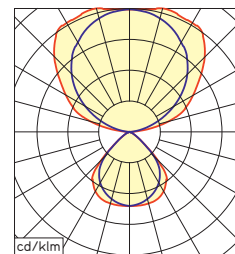
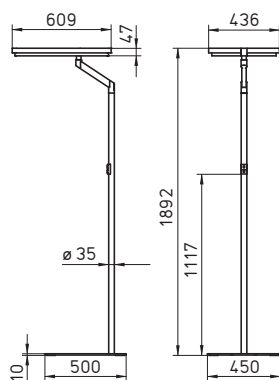
Order Number

4 x TC-LEL 55 W	PULSE switchable	235 W	DYS 455/2	121 245 008 - 000 804 40
4 x TC-LEL 55 W	PULSE dimmable	235 W	DYS 455/D	121 248 008 - 000 805 02
4 x TC-LEL 55 W	PULSE HFMD	235 W	DYS 455/P	121 250 008 - 000 805 16

TYCOON COMFORT



Possible positions.



TYCOON COMFORT at a glance

- Two individually adjustable lighting levels
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Head connection can be rotated to an angle of +/- 45°
- Removable side part and panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying CDP micro prisms
- Base plate section for optimum positioning at the work station

TYCOON COMFORT technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 27 %
UGR	< 16
Luminance	< 1,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 72 %
Luminaire Light Efficiency	Approx. 58 lm/W
Energy Efficiency Class EEL	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mains Lead	Approx. 3 m with shock-proof plug, *5-pole bus plug
Base Plate Section	292 x 154 mm

Fitted With

Technology

Consumption

Model

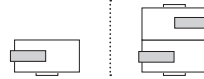
Order Number

4 x TC-LEL 55 W	PULSE switchable	235 W	DYS 455/2	121 384 008 - 000 625 27
4 x TC-LEL 55 W	PULSE dimmable	235 W	DYS 455/D	121 385 008 - 000 625 20
4 x TC-LEL 55 W	Dimmable, DALI	235 W	DYS 455/D*	121 387 008 - 000 699 13
4 x TC-LEL 55 W	PULSE HFMD	235 W	DYS 455/P	121 386 008 - 000 690 76
4 x TC-LEL 55 W	PULSE KNX	235 W	DYS 455/PB*	121 469 008 - 000 849 03
4 x TC-LEL 55 W	PULSE LON	235 W	DYS 455/PB*	On request

TYCOON COMFORT

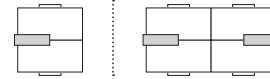


28 W

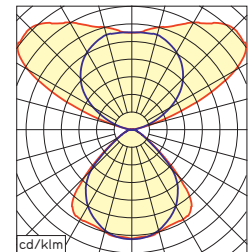
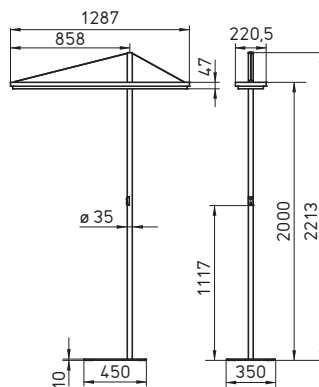


Possible positions.

54 W



efficient light



TYCOON COMFORT at a glance

- Two individually adjustable lighting levels
- Very high luminaire efficiency > 90 %
- Lamp cover
- Depending on the room setup, consumption of < 10 W pro m² can be achieved
- Easy to reach, multifunctional operating element
- Glare-free technology with light-amplifying CDP micro prisms

TYCOON COMFORT technical data

2 x 28 W

2 x 54 W

Ballast	Electronic ballast	
Connected Load	220 – 240 V; 50/60 Hz	
Light Distribution	Direct/indirect	
Direct Output	Approx. 35 %	
UGR	< 16	
Luminance	< 1,000 cd/m ²	< 1,500 cd/m ²
Light Color	Neutral white 4,000 K	
Color Reproduction	Ra > 80	
Luminaire Efficiency	Approx. 94 %	Approx. 90 %
Luminaire Light Efficiency	Approx. 77 lm/W	Approx. 67 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT	
Color	Silver metallic	
Mains Lead	Approx. 3 m with shock-proof plug	

Fitted With

Technology

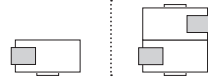
Consumption

Model

Order Number

2 x T5 28 W	PULSE switchable	63 W	DYS 228	121 559 008 - 000 786 55
2 x T5 28 W	PULSE dimmable	63 W	DYS 228/D	121 559 009 - 000 987 98
2 x T5 28 W	PULSE PIR	63 W	DYS 228/R	121 559 010 - 000 782 64
2 x T5 54 W	PULSE switchable	119 W	DYS 254	121 560 008 - 000 785 82
2 x T5 54 W	PULSE dimmable	119 W	DYS 254/D	121 560 009 - 004 649 71
2 x T5 54 W	PULSE PIR	119 W	DYS 254/R	121 560 010 - 004 648 75

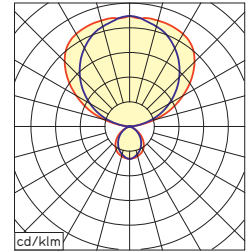
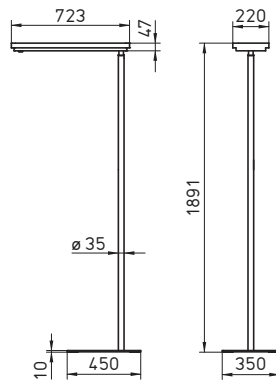
TYCOON CLASSIC



Possible positions.



efficient *light*



TYCOON CLASSIC at a glance

- Operating element in the luminaire head
- Luminaire head can be rotated by +/- 90°
- Removable side part and fine-louvre element for easy change of lamps and easy cleaning
- Glare-free technology with classic fine-louvre perforated plate

TYCOON CLASSIC technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 17 %
UGR	< 16
Luminance	< 2,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 68 %
Luminaire Light Efficiency	Approx. 57 lm/W
Energy Efficiency Class EEL	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mains Lead	Approx. 3 m with shock-proof plug

Fitted With

Technology

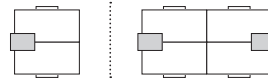
Consumption

Model

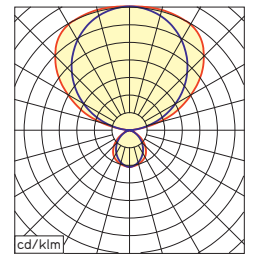
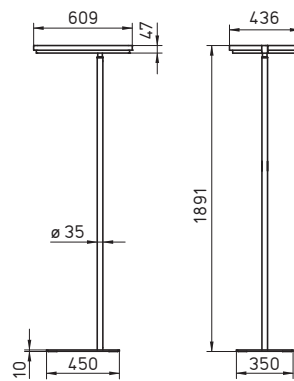
Order Number

2 x TC-LEL 55 W	Switchable	114 W	LYS 255	121 441 008 - 000 791 76
2 x TC-LEL 55 W	Dimmable	114 W	LYS 255/D	121 440 008 - 000 791 70
2 x TC-LEL 55 W	PULSE PIR	114 W	LYS 255/R	121 439 008 - 000 791 62

TYCOON CLASSIC



Possible positions.



TYCOON CLASSIC at a glance

- Operating element in the luminaire head
- Luminaire head can be rotated by +/- 90°
- Removable side part and fine-louvre element for easy change of lamps and easy cleaning
- Glare-free technology with classic fine-louvre perforated plate

TYCOON CLASSIC technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 17 %
UGR	< 16
Luminance	< 2,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 68 %
Luminaire Light Efficiency	Approx. 55 lm/W
Energy Efficiency Class EEL	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mains Lead	Approx. 3 m with shock-proof plug

Fitted With

Technology

Consumption

Model

Order Number

4 x TC-LEL 55 W	Switchable	235 W	LYS 455/2	121 370 008 - 000 630 24
4 x TC-LEL 55 W	Dimmable	235 W	LYS 455/D	121 371 008 - 000 630 22
4 x TC-LEL 55 W	Dimmable, DALI	235 W	LYS 455/D	121 373 008 - 000 695 90
4 x TC-LEL 55 W	Dimmable via wireless	235 W	LYS 455/DF	121 371 017 - 000 052 88
4 x TC-LEL 55 W	PULSE PIR	235 W	LYS 455/R	121 372 008 - 000 691 34

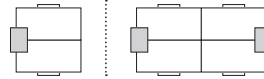
ADAPTS TO ITS SURROUNDINGS AND THE TIMES.



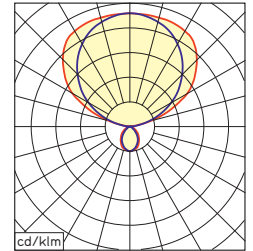
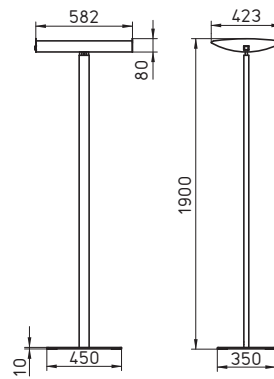
CHORUS is a dependable lighting partner for flexible office environments. CHORUS was the first range to give free-standing luminaires an image: discreet, classic in form, and tried and tested in application.



CHORUS



Possible positions.



CHORUS at a glance

- Operating element in the luminaire head
- Glare-free technology with classic fine-louvre perforated plate

CHORUS technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 11 %
UGR	< 16
Luminance	< 1,200 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 65 %
Luminaire Light Efficiency	Approx. 53 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mains Lead	Approx. 3 m with shock-proof plug

Fitted With

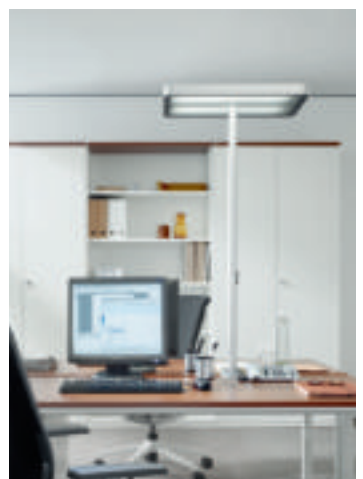
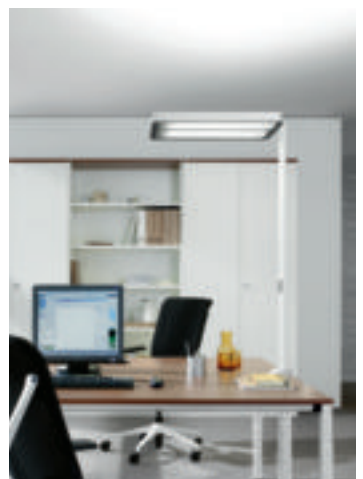
Technology

Consumption

Model

Order Number

4 x TC-LEL 55 W	Switchable	235 W	LCS 455/2	121 305 008 - 000 169 74
4 x TC-LEL 55 W	Dimmable	235 W	LCS 455/D	121 299 008 - 000 169 71
4 x TC-LEL 55 W	PULSE PIR	235 W	LCS 455/R	121 433 008 - 000 744 45





ATARO LED

41

ATARO HYBRID

42

ATARO

43

DESK-MOUNTED LUMINAIRES



TYCOON COMFORT

46

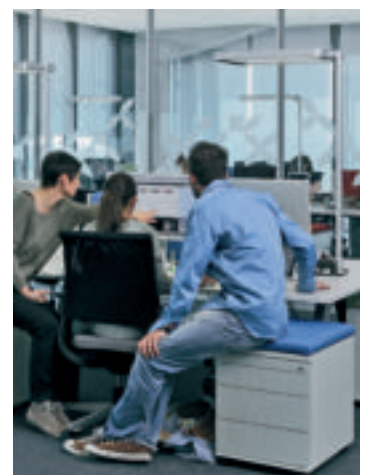
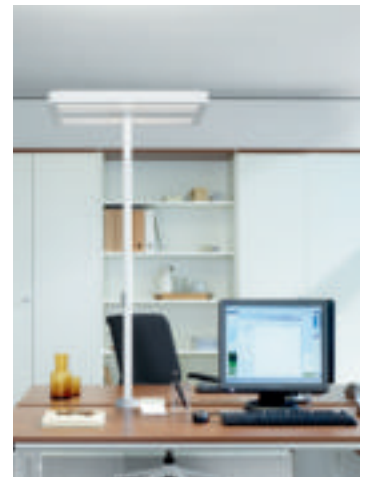
TYCOON CLASSIC

50

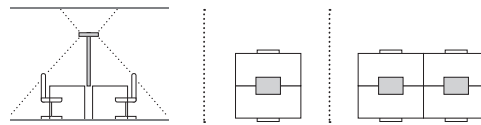
DESIGN MEETS THE ART OF ENGINEERING.



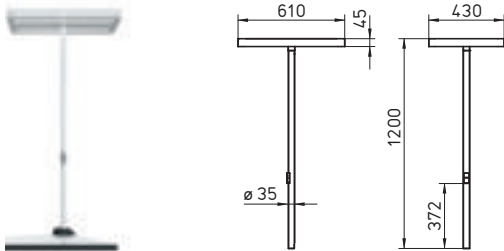
The ATARO family of luminaires represents aesthetics, material quality, intuitive operation, and groundbreaking lighting technology with the highest level of energy efficiency. ATARO gives employees the opportunity to meet their own individual lighting needs – that is easy on the eyes and prevents fatigue.



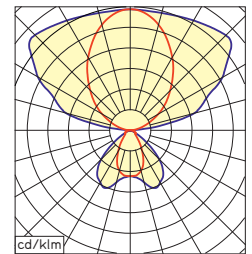
ATARO LED



Possible positions (symmetric beam).



efficient *light*



Symmetrical

ATARO LED at a glance

- LED for the lighting of workrooms
- Glare-free technology and light control with collimator micro prism combination
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Separate switching or dimming of direct and indirect light (dimmable variant only)

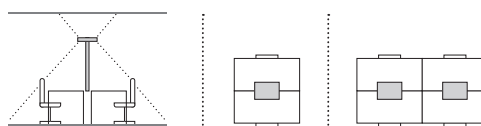
ATARO LED technical data

Ballast	Electricity supply unit
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 16 %
UGR	< 16
Luminance	< 3,300 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Color	Signal white, silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

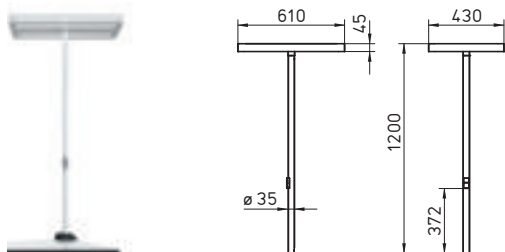
Symmetrical Beam

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
LED 151 W	PULSE dimmable	168 W	DUT 180/D	121 592 011 - 005 153 90	121 592 012 - 004 825 83
LED 151 W	PULSE HFMD	168 W	DUT 180/P	121 593 011 - 005 153 96	121 593 012 - 004 827 09

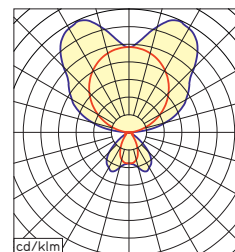
ATARO HYBRID



Possible positions (symmetric beam).



efficient *light*



symmetrical

ATARO HYBRID at a glance

- Pleasant room light with T5 LS lamp technology
- Glare-free and activating LED direct light
- Glare-free technology and light control with collimator micro prism combination
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Separate switching or dimming of direct and indirect light (for luminaires without sensor systems)

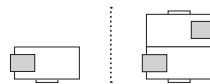
ATARO HYBRID technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 16 %
UGR	< 16
Luminance	< 3,300 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Light Efficiency	> 57 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Signal white, silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

Symmetrical Beam

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
LED 38 W, 4 x 24 W	PULSE dimmable	146 W	DUT 424-96/D	121 625 000 - 005 223 07	121 625 000 - 005 223 21
LED 38 W, 4 x 24 W	PULSE PIR	146 W	DUT 424-96/R	121 626 000 - 005 223 14	121 626 000 - 005 223 35
LED 38 W, 4 x 24 W	PULSE HFMD	146 W	DUT 424-96/P	121 627 000 - 005 223 17	121 627 000 - 005 223 42

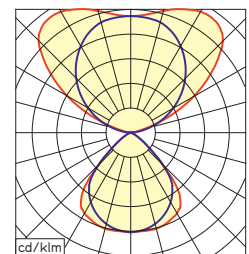
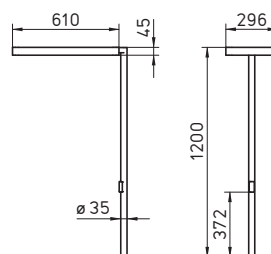
ATARO



Possible positions.



efficient light



ATARO at a glance

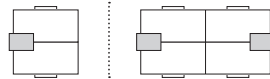
- Easy to reach, multifunctional operating element
- Head connection can be rotated to an angle of +/- 45°
- Removable frame and prism panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying AMBIO micro prisms

ATARO technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 30 %
UGR	< 16
Luminance	< 1,200 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 74 %
Luminaire Light Efficiency	Approx. 62 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	White, silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
2 x TC-LEL 40 W	PULSE switchable	83 W	DUT 240	121 537 011 - 000 495 73	121 537 012 - 000 606 88
2 x TC-LEL 40 W	PULSE dimmable	83 W	DUT 240/D	121 538 011 - 000 505 72	121 538 012 - 000 607 05
2 x TC-LEL 40 W	PULSE PIR	83 W	DUT 240/R	121 539 001 - 000 397 63	121 539 002 - 000 582 07
2 x TC-LEL 40 W	PULSE HFMD	83 W	DUT 240/P	121 540 001 - 000 397 80	121 540 002 - 000 582 28

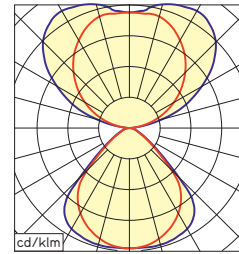
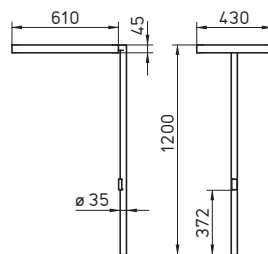
ATARO



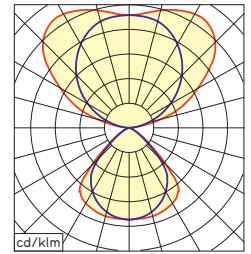
Possible positions.



efficient^{light}



4 x 26 W



4 x 40 W

ATARO at a glance

- Easy to reach, multifunctional operating element
- Head connection can be rotated to an angle of +/- 45°
- Removable frame and prism panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying AMBIO micro prisms

ATARO technical data

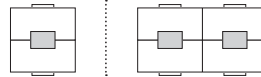
4 x 26 W

4 x 40 W

Ballast	Electronic ballast	
Connected Load	220 – 240 V; 50/60 Hz	
Light Distribution	Direct/indirect	
Direct Output	Approx. 38 %	Approx. 30 %
UGR	< 19	< 16
Luminance	< 2,500 cd/m ²	< 1,200 cd/m ²
Light Color	Neutral white 4,000 K	
Color Reproduction	Ra > 80	
Luminaire Efficiency	Approx. 88 %	Approx. 74 %
Luminaire Light Efficiency	Approx. 77 lm/W	Approx. 62 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT	
Color	White, silver metallic	
Mounting	Table clamp	
Mains Lead	Approx. 3.7 m with shock-proof plug	

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
4 x TC-LEL 26 W	PULSE switchable	123 W	DUT 426/2	121 632 000 - 005 224 60	121 632 000 - 005 224 63
4 x TC-LEL 26 W	PULSE dimmable	123 W	DUT 426/D	121 633 000 - 005 224 66	121 633 000 - 005 224 69
4 x TC-LEL 26 W	PULSE PIR	123 W	DUT 426/R	121 634 000 - 005 224 72	121 634 000 - 005 224 75
4 x TC-LEL 26 W	PULSE HFMD	123 W	DUT 426/P	121 635 000 - 005 224 78	121 635 000 - 005 224 81
4 x TC-LEL 40 W	PULSE switchable	165 W	DUT 440/2	121 541 011 - 000 500 85	121 541 012 - 000 607 41
4 x TC-LEL 40 W	PULSE dimmable	165 W	DUT 440/D	121 542 011 - 000 514 18	121 542 012 - 000 609 09
4 x TC-LEL 40 W	PULSE PIR	165 W	DUT 440/R	121 543 001 - 000 399 24	121 543 002 - 000 583 47
4 x TC-LEL 40 W	PULSE HFMD	165 W	DUT 440/P	121 544 001 - 000 399 55	121 544 002 - 000 584 80

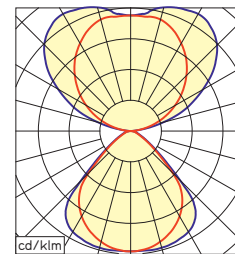
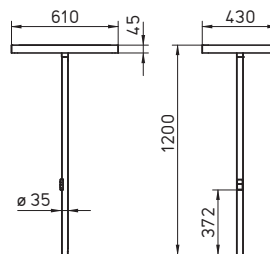
ATARO



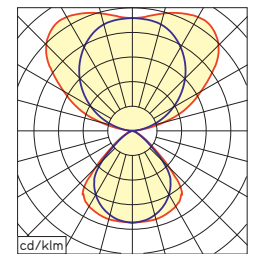
Possible positions.



efficient light



4 x 26 W



4 x 40 W

ATARO at a glance

- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Removable frame and prism panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying AMBIO micro prisms

ATARO technical data

	4 x 26 W	4 x 40 W
Ballast	Electronic ballast	
Connected Load	220 – 240 V; 50/60 Hz	
Light Distribution	Direct/indirect	
Direct Output	Approx. 38 %	Approx. 30 %
UGR	< 16	
Luminance	< 2,500 cd/m ²	< 1,200 cd/m ²
Light Color	Neutral white 4,000 K	
Color Reproduction	Ra > 80	
Luminaire Efficiency	Approx. 88 %	Approx. 74 %
Luminaire Light Efficiency	Approx. 77 lm/W	Approx. 62 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT	
Color	White, silver metallic	
Mounting	Table clamp	
Mains Lead	Approx. 3.7 m with shock-proof plug	

Fitted With

Technology

Consumption

Model

Order Number White

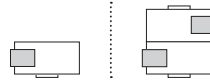
Order Number Silver

Fitted With	Technology	Consumption	Model	Order Number White	Order Number Silver
4 x TC-LEL 26 W	PULSE switchable	123 W	DUT 426/2	121 616 011 - 005 158 61	121 616 012 - 005 158 99
4 x TC-LEL 26 W	PULSE dimmable	123 W	DUT 426/D	121 617 011 - 005 158 64	121 617 012 - 005 159 02
4 x TC-LEL 26 W	PULSE PIR	123 W	DUT 426/R	121 618 011 - 005 158 67	121 618 012 - 005 159 05
4 x TC-LEL 26 W	PULSE HFMD	123 W	DUT 426/P	121 619 011 - 005 158 70	121 619 012 - 005 159 08
4 x TC-LEL 40 W	PULSE switchable	165 W	DUT 440/2	121 556 011 - 000 766 68	121 556 012 - 000 766 71
4 x TC-LEL 40 W	PULSE dimmable	165 W	DUT 440/D	121 557 011 - 000 754 22	121 557 012 - 000 755 17
4 x TC-LEL 40 W	PULSE PIR	165 W	DUT 440/R	121 229 001 - 000 707 10	121 229 002 - 000 707 12
4 x TC-LEL 40 W	PULSE HFMD	165 W	DUT 440/P	121 558 001 - 000 734 58	121 558 002 - 000 734 77

THE INTELLIGENT
LIGHTING SOLUTION.



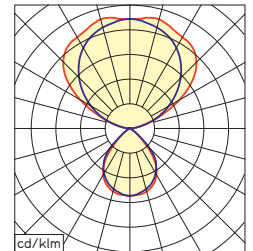
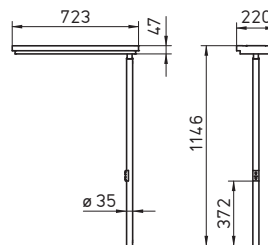
TYCOON COMFORT



Possible positions.



efficient *light*



TYCOON COMFORT at a glance

- Two individually adjustable lighting levels
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Removable side part and panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying CDP micro prisms

TYCOON COMFORT technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 27%
UGR	< 16
Luminance	< 1,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 73 %
Luminaire Light Efficiency	Approx. 61 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

Fitted With

Technology

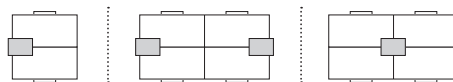
Consumption

Model

Order Number

2 x TC-LEL 55 W	PULSE switchable	114 W	DYT 255	121 448 008 - 000 791 93
2 x TC-LEL 55 W	PULSE dimmable	114 W	DYT 255/D	121 447 008 - 000 791 88
2 x TC-LEL 55 W	PULSE HFMD	114 W	DYT 255/P	121 446 008 - 000 791 83

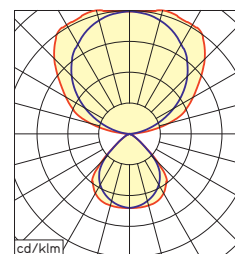
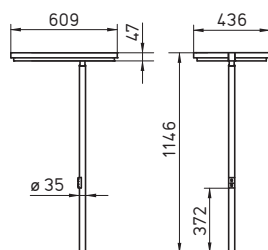
TYCOON COMFORT



Possible positions.



efficient^{light}



TYCOON COMFORT at a glance

- Two individually adjustable lighting levels
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Removable side part and panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying CDP micro prisms

TYCOON COMFORT technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 27 %
UGR	< 16
Luminance	< 1,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 72 %
Luminaire Light Efficiency	Approx. 58 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

Fitted With

Technology

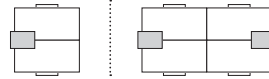
Consumption

Model

Order Number

4 x TC-LEL 55 W	PULSE switchable	235 W	DYT 455/2	121 256 008 - 000 805 95
4 x TC-LEL 55 W	PULSE dimmable	235 W	DYT 455/D	121 258 008 - 000 806 79
4 x TC-LEL 55 W	PULSE HFMD	235 W	DYT 455/P	121 260 008 - 000 807 41

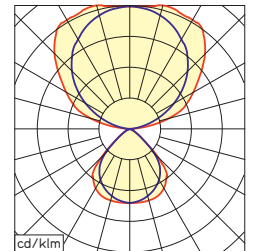
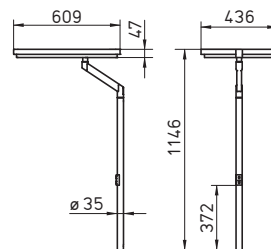
TYCOON COMFORT



Possible positions.



efficient light



TYCOON COMFORT at a glance

- Two individually adjustable lighting levels
- Easy to reach, multifunctional operating element
- Luminaire head can be rotated by +/- 90°
- Head connection can be rotated to an angle of +/- 45°
- Removable side part and panel for easy change of lamps and easy cleaning
- Glare-free technology with light-amplifying CDP micro prisms

TYCOON COMFORT technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 27 %
UGR	< 16
Luminance	< 1,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 72 %
Luminaire Light Efficiency	Approx. 58 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

Fitted With

Technology

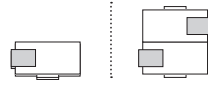
Consumption

Model

Order Number

4 x TC-LEL 55 W	PULSE switchable	235 W	DYT 455/2	121 391 008 - 000 625 90
4 x TC-LEL 55 W	PULSE dimmable	235 W	DYT 455/D	121 392 008 - 000 625 92
4 x TC-LEL 55 W	PULSE HFMD	235 W	DYT 455/P	121 393 008 - 000 690 57

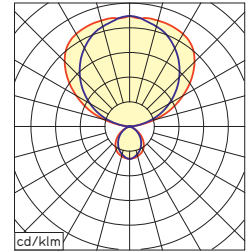
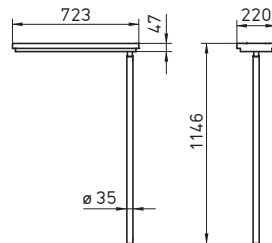
TYCOON CLASSIC



Possible positions.



efficient^{light}



TYCOON CLASSIC at a glance

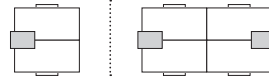
- Operating element in the luminaire head
- Luminaire head can be rotated by +/- 90°
- Removable side part and fine-louvre element for easy change of lamps and easy cleaning
- Glare-free technology with classic fine-louvre perforated plate

TYCOON CLASSIC technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 17 %
UGR	< 16
Luminance	< 2,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 68 %
Luminaire Light Efficiency	Approx. 57 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

Fitted With	Technology	Consumption	Model	Order Number
2 x TC-LEL 55 W	Switchable	114 W	LYT 255	121 451 008 - 000 792 49
2 x TC-LEL 55 W	Dimmable	114 W	LYT 255/D	121 450 008 - 000 792 23
2 x TC-LEL 55 W	PULSE PIR	114 W	LYT 255/R	121 449 008 - 000 792 18

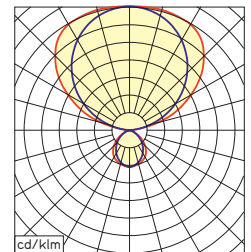
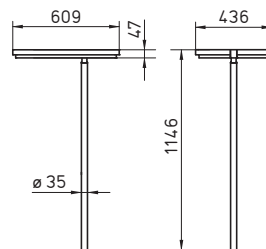
TYCOON CLASSIC



Possible positions.



efficient *light*



TYCOON CLASSIC at a glance

- Operating element in the luminaire head
- Luminaire head can be rotated by +/- 90°
- Removable side part and fine-louvre element for easy change of lamps and easy cleaning
- Glare-free technology with classic fine-louvre perforated plate

TYCOON CLASSIC technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 17 %
UGR	< 16
Luminance	< 2,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 68 %
Luminaire Light Efficiency	Approx. 55 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mounting	Table clamp
Mains Lead	Approx. 3.7 m with shock-proof plug

Fitted With

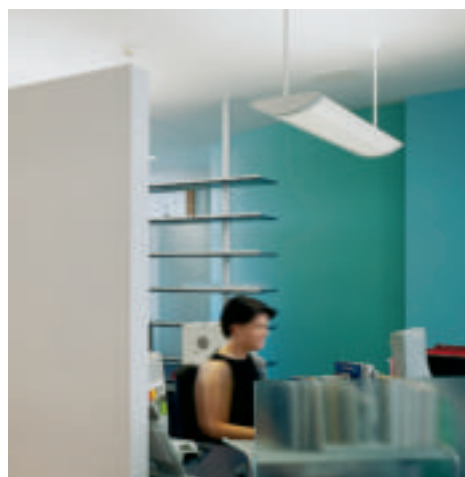
Technology

Consumption

Model

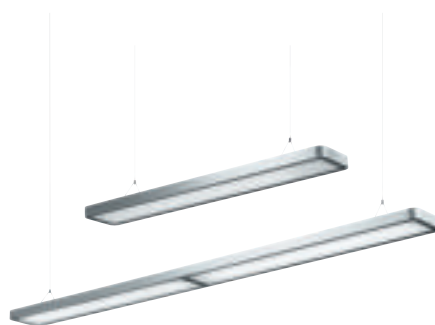
Order Number

4 x TC-LEL 55 W	Switchable	235 W	LYT 455/2	121 377 008 - 000 630 84
4 x TC-LEL 55 W	Dimmable	235 W	LYT 455/D	121 378 008 - 000 631 03
4 x TC-LEL 55 W	PULSE PIR	235 W	LYT 455/R	121 379 008 - 000 691 85





HYBRID

54

ATARO

56

SUSPENDED LUMINAIRES



TYCOON

58

CHORUS

60



THE FUTURE
IS HYBRID.

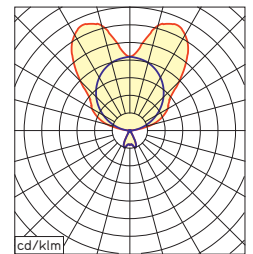
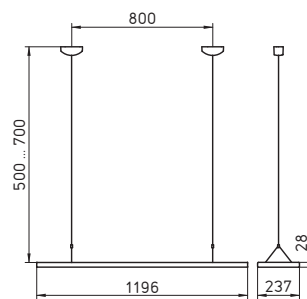


This symbiosis of LED and fluorescent-lamp shows off its extraordinary futuristic design. Environmentally friendly and with separate switching and dimmer functions, the HYBRID creates tremendous possibilities for individual lighting comfort. Whether cool stimulating or atmospheric light – it adjusts to individual preferences and the respective task.

HYBRID



efficient *light*



HYBRID at a glance

- Pleasant room lighting thanks to T5 LS lamp technology
- Stimulating LED direct light
- Separate switching or dimming of direct and indirect light
- Connection to DALI light management systems (only dimmable luminaires)

HYBRID technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 8%
UGR	< 16
Luminance	< 2,500 cd/m ²
Light Color	Neutral white 4,000 K, LED daylight white 5,000 K
Color Reproduction	Ra > 80
Luminaire Light Efficiency	Approx. 64 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Anodized aluminum
Mains Lead	Approx. 1 m; with free stranded wires

Fitted With

Technology

Consumption

Model

Order Number

LED 32 W, 2 x 54 W	Switchable	154 W	DHPL 254-12/2	121 468 008 - 000 876 47
LED 32 W, 2 x 54 W	Dimmable, DALI	154 W	DHPL 254-12/D	121 470 008 - 000 889 71

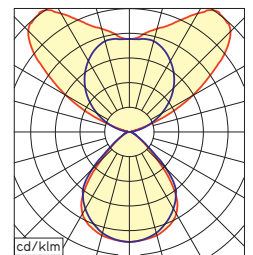
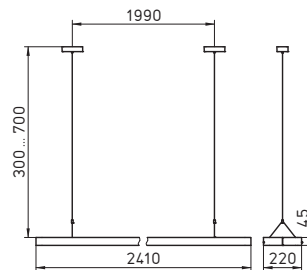
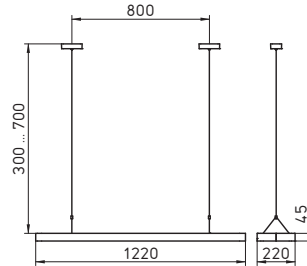
People are different. So are their needs in the workplace. That is why ATARO is flexible. Variable in length and fittings and extremely versatile with regard to technology.

ATARO is switchable, dimmable, and can be connected to DALI or other building management systems, making it perfectly suited to meet individual needs.

FOR INDIVIDUAL
LIGHTING COMFORT.



ATARO



ATARO at a glance

- Very high luminaire efficiency > 90 %
- Lamp cover
- Glare-free technology with light-amplifying AMBIO micro prisms
- Setpoint adjustment for luminaires with PIR daylight and presence sensor systems via integrated button on the luminaire or wirelessly by radio (separate transmitter required, see Accessories)
- Connection to DALI light management systems (only dimmable luminaires)
- Self-sufficient luminaires with PIR particularly suitable for refurbishments

ATARO technical data

	28 W	54 W
Ballast	Electronic ballast	
Connected Load	220 – 240 V; 50/60 Hz	
Light Distribution	Direct/indirect	
Direct Output	Approx. 32 %	
UGR	< 16	
Luminance	< 1,200 cd/m ²	< 1,600 cd/m ²
Light Color	Neutral white 4,000 K	
Color Reproduction	Ra > 80	
Luminaire Efficiency	Approx. 95 %	Approx. 90 %
Luminaire Light Efficiency	approx. 80 lm/W	approx. 70 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT	
Color	Anodized aluminum	
Mains Lead	Approx.1 m; with free stranded wires	

Fitted With

Technology

Consumption

Model

Order Number

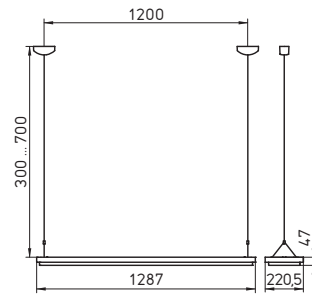
Fitted With	Technology	Consumption	Model	Order Number
2 x T5 28 W	Switchable	61 W	DUP 228	121 235 003 - 000 562 25
2 x T5 28 W	Dimmable, DALI	61 W	DUP 228/D	121 237 003 - 000 876 37
2 x T5 28 W	PIR button	61 W	DUP 228/R	121 480 003 - 000 939 41
2 x T5 28 W	PIR wireless	61 W	DUP 228/RF	121 481 003 - 000 939 43
2 x T5 54 W	Switchable	115 W	DUP 254	121 236 003 - 000 874 85
2 x T5 54 W	Dimmable, DALI	115 W	DUP 254/D	121 238 003 - 000 876 21
2 x T5 54 W	PIR button	115 W	DUP 254/R	121 482 003 - 000 939 48
2 x T5 54 W	PIR wireless	115 W	DUP 254/RF	121 483 003 - 000 939 66
4 x T5 28 W	Switchable	122 W	DUP 428/2	121 239 003 - 000 952 02
4 x T5 28 W	Dimmable, DALI	122 W	DUP 428/D	121 241 003 - 000 875 10
4 x T5 28 W	PIR button	122 W	DUP 428/R	121 484 003 - 000 939 67
4 x T5 28 W	PIR wireless	122 W	DUP 428/RF	121 485 003 - 000 939 68
4 x T5 54 W	Switchable	130 W	DUP 454/2	121 240 003 - 000 952 16
4 x T5 54 W	Dimmable, DALI	130 W	DUP 454/D	121 242 003 - 000 949 14
4 x T5 54 W	PIR button	130 W	DUP 454/R	121 486 003 - 000 939 73
4 x T5 54 W	PIR wireless	130 W	DUP 454/RF	121 487 003 - 000 939 83

TYCOON suspended luminaires make an intelligent contribution to increasing energy efficiency. With their light-amplifying micro prism and high-gloss reflectors, they generate efficiency of more than 90 %. This means: less luminaires are needed. And even in operation, costs can be significantly reduced with an intelligent light management system.

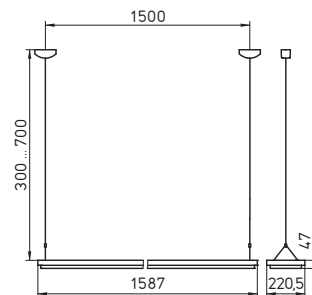
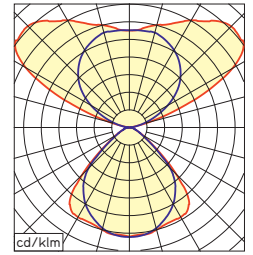


EFFECTIVE AND
INTELLIGENT LIGHTING.

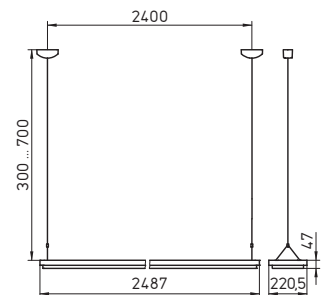
TYCOON



2 x 28 W, 2 x 54 W



2 x 35 W



4 x 28 W, 4 x 54 W

TYCOON at a glance

- Very high luminaire efficiency > 90%
- Lamp cover
- Glare-free technology with light-amplifying CDP micro prisms
- Setpoint adjustment for luminaires with PIR daylight and presence sensor systems via integrated button on the luminaire or wirelessly by radio (separate transmitter required, see Accessories)
- Connection to DALI light management systems (only dimmable luminaires)
- Self-sufficient luminaires with PIR particularly suitable for refurbishments

TYCOON technical data

	28 W	35 W	54 W
Ballast	Electronic ballast		
Connected Load	220 – 240 V; 50/60 Hz		
Light Distribution	Direct/indirect		
Direct Output	Approx. 35 %		
UGR	< 16		
Luminance	< 1,000 cd/m ²	< 1,000 cd/m ²	< 1,500 cd/m ²
Light Color	Neutral white 4,000 K		
Color Reproduction	Ra > 80		
Luminaire Efficiency	94 %	94 %	90 %
Luminaire Light Efficiency	Approx. 80 lm/W	Approx. 83 lm/W	Approx. 70 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT		
Color	Silver metallic		
Mains Lead	Approx. 1 m; with free stranded wires		

Fitted With

Technology

Consumption

Model

Order Number

Fitted With	Technology	Consumption	Model	Order Number
2 x 28 W	Switchable	61 W	DYP 228	121 454 008 - 000 861 98
2 x 28 W	Dimmable, DALI	61 W	DYP 228/D	121 456 008 - 000 870 69
2 x 28 W	PIR button	61 W	DYP 228/R	121 456 021 - 004 752 91
2 x 28 W	PIR wireless	61 W	DYP 228/RF	121 456 018 - 000 048 27
2 x 35 W	Switchable	74 W	DYP 235	121 471 008 - 000 871 83
2 x 35 W	Dimmable, DALI	74 W	DYP 235/D	121 474 008 - 000 885 20
2 x 54 W	Switchable	115 W	DYP 254	121 455 008 - 000 862 48
2 x 54 W	Dimmable, DALI	115 W	DYP 254/D	121 457 008 - 000 870 72
2 x 54 W	PIR button	115 W	DYP 254/R	121 457 021 - 004 657 47
2 x 54 W	PIR wireless	115 W	DYP 254/RF	121 457 018 - 000 048 60
4 x 28 W	Switchable	122 W	DYP 428/2	121 458 008 - 000 854 01
4 x 28 W	Dimmable, DALI	122 W	DYP 428/D	121 460 008 - 000 871 25
4 x 28 W	PIR button	122 W	DYP 428/R	121 460 020 - 000 519 69
4 x 28 W	PIR wireless	122 W	DYP 428/RF	121 460 000 - 005 234 97
4 x 54 W	Switchable	130 W	DYP 454/2	121 459 008 - 000 855 20
4 x 54 W	Dimmable, DALI	130 W	DYP 454/D	121 461 008 - 000 871 54
4 x 54 W	PIR button	130 W	DYP 454/R	121 461 020 - 000 708 21
4 x 54 W	PIR wireless	130 W	DYP 454/RF	121 461 000 - 005 233 30

An impressively large lighting package that creates an ideal, glare-free lighting atmosphere in all room sizes and configurations. In both procurement and operating costs, CHORUS represents an attractive cost-benefit ratio.

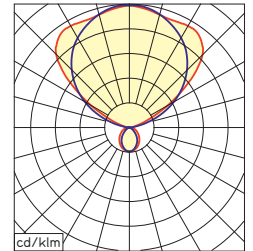
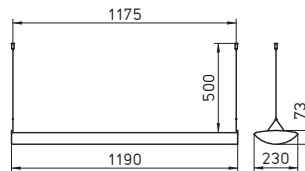


CLASSIC,
DISCREET APPEARANCE.

CHORUS



efficient *light*



CHORUS at a glance

- Lamp cover
- Glare-free technology with classic fine-louvre perforated plate
- Connection to 1 – 10 V control devices (only dimmable luminaires)

CHORUS technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 13 %
UGR	< 16
Luminance	< 1,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 64 %
Luminaire Light Efficiency	Approx. 50 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	White, silver metallic
Mains Lead	Approx. 1 m; with free stranded wires

Fitted With

Technology

Consumption

Model

Order Number White

Order Number Silver

2 x T5 54 W	Switchable	112 W	LWP 254	121 079 030 - 000 924 02	121 079 008 - 000 125 52
2 x T5 54 W	Dimmable, analog	112 W	LWP 254/D	121 080 030 - 000 915 83	121 080 008 - 000 125 49





ATARO

64

MOUNTED LUMINAIRES



TYCOON

66

With its discreet form, high-quality materials, and invisible material transitions, ATARO is a clear statement for good design – especially for low ceiling heights.

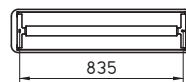
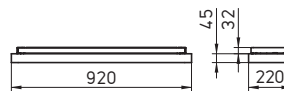


STANDS OUT WITH
CLEAR DESIGN.

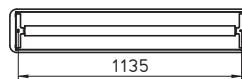
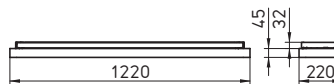
ATARO



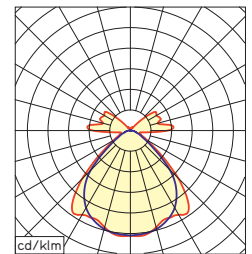
efficient *light*



2 x 39 W



2 x 28 W



ATARO at a glance

- Lamp cover
- Glare-free technology with light-amplifying AMBIO micro prisms
- Side ceiling lighting
- Setpoint adjustment for luminaires with PIR daylight and presence sensor technology via integrated button on the luminaire
- Connection to DALI light management systems (only dimmable luminaires)
- Self-sufficient luminaires with PIR particularly suitable for refurbishments

ATARO technical data

	28 W	54 W
Ballast	Electronic ballast	
Connected Load	220 – 240 V; 50/60 Hz	
Light Distribution	Direct/indirect	
Direct Output	Approx. 76 %	
UGR	< 19	< 21
Luminance	< 10,000 cd/m ²	< 12,000 cd/m ²
Light Color	Neutral white 4,000 K	
Color Reproduction	Ra > 80	
Luminaire Efficiency	Approx. 62 %	Approx. 60 %
Luminaire Light Efficiency	Approx. 51 lm/W	Approx. 48 lm/W
Energy Efficiency Class EEI	Lamp: A/ballast: A1 BAT	
Color	Anodized aluminum	
Mains Lead	Approx. 1 m; with free stranded wires	

Fitted With

Technology


Consumption

Model

Order Number

Fitted With	Technology	Consumption	Model	Order Number
2 x T5 28 W	Switchable	61 W	DUD 228	121 600 003 - 004 921 46
2 x T5 28 W	Dimmable, DALI	61 W	DUD 228/D	121 608 003 - 005 071 31
2 x T5 28 W	PIR button	61 W	DUD 228/R	121 620 003 - 005 211 81
2 x T5 39 W	Switchable	82 W	DUD 239	121 609 003 - 005 071 34
2 x T5 39 W	Dimmable, DALI	82 W	DUD 239/D	121 610 003 - 005 071 37

This is where intelligent engineering and high-quality design come together. Good light plays a key roll when it comes to creating a feeling of well-being in the work-place. This is why TYCOON represents the highest lighting quality without neglecting efficiency.

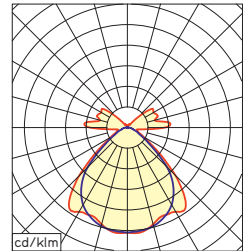
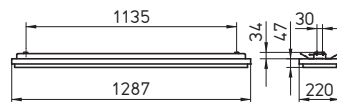
A photograph of a modern, recessed ceiling light fixture in a bright office space. The fixture is a long, rectangular, recessed light fixture with a white frame and a white diffuser. It is mounted on a white ceiling. The background shows a large window with a view of a city building and greenery. The overall scene is bright and clean.

COMBINES
ENERGY EFFICIENCY
AND DESIGN.

TYCOON



efficient *light*



TYCOON at a glance

- Lamp cover
- Glare-free technology with light-amplifying CDP micro prisms
- Side ceiling lighting
- Connection to DALI light management systems (only dimmable luminaires)

TYCOON technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 76 %
UGR	< 16
Luminance	< 10,000 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 62 %
Luminaire Light Efficiency	Approx. 53 lm/W
Energy Efficiency Class EEI	Lamp: A/ballast: A1 BAT
Color	Silver metallic
Mains Lead	Connecting terminal

Fitted With

Technology

Consumption

Model

Order Number

2 x T5 28 W	Switchable	61 W	DYD 228	121 526 001 - 000 010 12
2 x T5 28 W	Dimmable, DALI	61 W	DYD 228/D	121 526 011 - 000 011 66





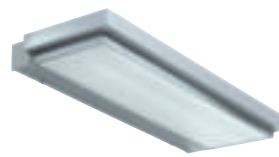
ATARO

71

WALL-MOUNTED LUMINAIRES



TYCOON COMFORT

72

TYCOON CLASSIC

73

The ATARO family of luminaires combines design with professional light technology. Efficiency is thus united with the highest lighting quality for a pleasant atmosphere.

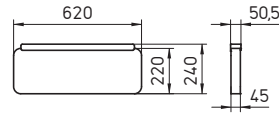
ATARO at a glance

- Very high luminaire efficiency > 90 %
- Lamp cover
- Glare-free technology with light-amplifying AMBIO micro prisms
- Asymmetrical beam
- Connection to DALI light management systems (dimnable luminaires only)

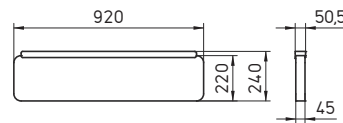


LIGHT WITH A SENSE
OF FAMILY.

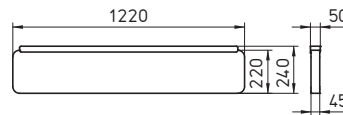
ATARO



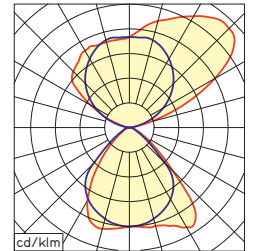
2 x 14 W, 2 x 24 W



2 x 21 W, 2 x 39 W



2 x 28 W, 2 x 54 W



efficient light

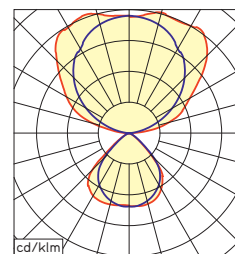
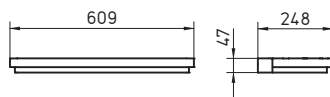
ATARO technical data	14 W	21 W	24 W	28 W	39 W	54 W
Ballast	Electronic ballast					
Connected Load	220 – 240 V; 50/60 Hz					
Light Distribution	Direct/indirect					
Direct Output	Approx. 38 %					
UGR	< 16					
Luminance	< 1,200 cd/m ²	< 1,200 cd/m ²	< 1,200 cd/m ²	< 1,200 cd/m ²	< 2,000 cd/m ²	< 2,000 cd/m ²
Light Color	Neutral white 4,000 K					
Color Reproduction	Ra > 80					
Luminaire Efficiency	Approx. 89 %	Approx. 91 %	Approx. 91 %	Approx. 94 %	Approx. 91 %	Approx. 90 %
Luminaire Light Efficiency	Approx. 69 lm/W	Approx. 77 lm/W	Approx. 64 lm/W	Approx. 80 lm/W	Approx. 69 lm/W	Approx. 70 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT					
Color	Anodized aluminum					
Mounting	Mounting rail					
Mains Lead	Connecting terminal					

Fitted With	Technology	Consumption	Model	Order Number
2 x T5 14 W	Switchable	31 W	DUW 214	121 584 003 - 004 730 81
2 x T5 14 W	Dimmable, DALI	31 W	DUW 214/D	121 585 003 - 004 730 75
2 x T5 21 W	Switchable	45 W	DUW 221	121 576 003 - 004 730 57
2 x T5 21 W	Dimmable, DALI	45 W	DUW 221/D	121 577 003 - 004 730 60
2 x T5 24 W	Switchable	50 W	DUW 224	121 586 003 - 004 730 78
2 x T5 24 W	Dimmable, DALI	50 W	DUW 224/D	121 587 003 - 004 730 84
2 x T5 28 W	Switchable	61 W	DUW 228	121 578 003 - 004 729 47
2 x T5 28 W	Dimmable, DALI	61 W	DUW 228/D	121 579 003 - 004 730 54
2 x T5 39 W	Switchable	82 W	DUW 239	121 580 003 - 004 730 69
2 x T5 39 W	Dimmable, DALI	82 W	DUW 239/D	121 581 003 - 004 730 63
2 x T5 54 W	Switchable	115 W	DUW 254	121 582 003 - 004 730 72
2 x T5 54 W	Dimmable, DALI	115 W	DUW 254/D	121 583 003 - 004 730 66

TYCOON COMFORT



efficient^{light}



TYCOON at a glance

- Glare-free technology with light-amplifying CDP micro prisms
- Connection to DALI light management systems (dimnable luminaires only)

TYCOON technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 26 %
UGR	< 16
Luminance	< 1,300 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 71 %
Luminaire Light Efficiency	Approx. 59 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mounting	Mounting rail
Mains Lead	Connecting terminal

Fitted With

Technology

Consumption

Model

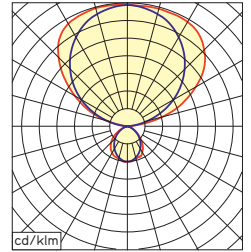
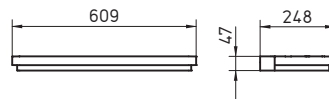
Order Number

2 x TC-LEL 55 W	Switchable	115 W	DYW 255	121 395 008 - 000 680 38
2 x TC-LEL 55 W	Dimmable, DALI	115 W	DYW 255/D	121 396 008 - 000 680 52

TYCOON CLASSIC



efficient *light*



TYCOON at a glance

- Glare-free technology with classic fine-louvre perforated plate
- Connection to DALI light management systems (dimmable luminaires only)

TYCOON technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct/indirect
Direct Output	Approx. 16 %
UGR	< 16
Luminance	< 2,200 cd/m ²
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Luminaire Efficiency	Approx. 67 %
Luminaire Light Efficiency	Approx. 55 lm/W
Energy Efficiency Class EEI	Lamp: A/Ballast: A1 BAT
Color	Silver metallic
Mounting	Mounting rail
Mains Lead	Connecting terminal

Fitted With

Technology

Consumption

Model

Order Number

2 x TC-LEL 55 W	Switchable	115 W	LYW 255	121 381 008 - 000 680 02
2 x TC-LEL 55 W	Dimmable, DALI	115 W	LYW 255/D	121 382 008 - 000 680 07





MINELA

76

MAIA

78

DIVA

80

TASK LUMINAIRES



AVENUE

82

CIRRUS

84

DELIGHT

86

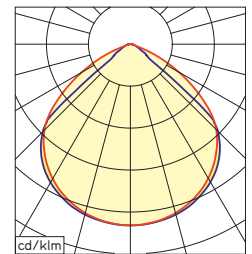
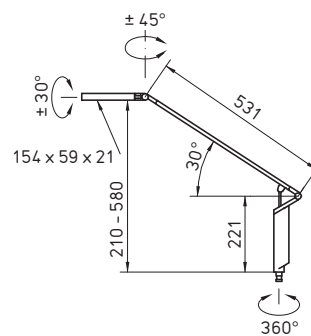
PURE FUNCTION AND AESTHETICS.



MINELA brings the combination of lighting quality, energy efficiency, and design to a new level. The richly contrasting interaction between angular and elliptical forms lends it a unique character. The advantages of its cleverly designed thermal management are plain to see: higher energy efficiency, longer service life, and less heating up.



MINELA



MINELA at a glance

- Light button to switch on, switch off, and dim with a light touch
- Automatically switches off after approx. 14 hours

MINELA technical data

Ballast	Electronic plug-in transformer
Connected Load	100 – 240 V, 50/60 Hz
Light Color	Neutral white 4,000 K, warm white 3,000 K
Color Reproduction	Ra > 80
Illuminance E _m	414 lx at a measuring distance of 50 cm
IEF	59 lx/W
Balance of Articulation Joints	Gas pressure spring
Color	White, aluminum colored
Mounting	Table base or table clamp (accessories)
Mains Lead	Approx. 2.3 m with European flat plug

Fitted With	Technology	Consumption	Light Color	Model	Order Number White	Order Number Aluminum Colored
LED 1 x 5 W	Dimmable	7 W	Neutral white	ETL 1 FR	112 883 000 - 000 134 85	112 883 002 - 000 738 01
LED 1 x 5 W	Dimmable	7 W	Warm white	ETL 1 FR	112 883 009 - 000 977 75	112 883 010 - 004 875 96

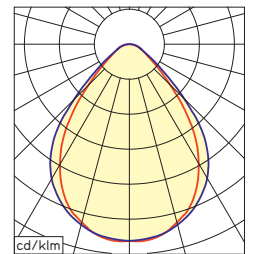
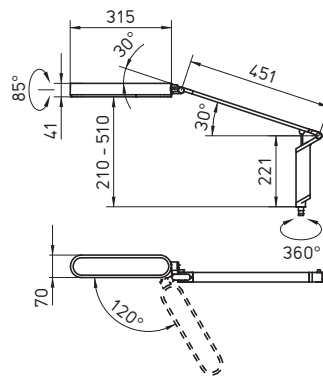
MAIA is a task luminaire that meets user needs in any working situation. Most of all, the need for convenient operation. The exact adjustment of the luminaire to meet individual vision needs is performed with one movement. The AMBIO glare-free technology also ensures the highest lighting quality with low consumption.



MAIA



efficient *light*



MAIA at a glance

- Rocker switch in the luminaire head
- Glare-free technology with light-amplifying AMBIO micro prisms

MAIA technical data

Ballast	Electronic ballast
Connected Load	230 – 240 V; 50/60 Hz
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Illuminance E _m	529 lx at a measuring distance of 50 cm
IEF	44 lx/W
Energy Efficiency Class EEI	Lamp: A/ballast: A3
Balance of Articulation Joints	Gas pressure spring
Color	Aluminum colored
Mounting	Table base or table clamp (accessories)
Mains Lead	3.4 m with European flat plug

Fitted With

1 x TC-SEL 11 W

Technology

Switchable

Consumption

12 W

Model

DTE 111 F

Order Number

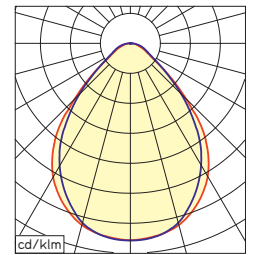
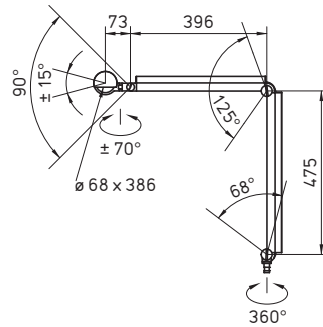
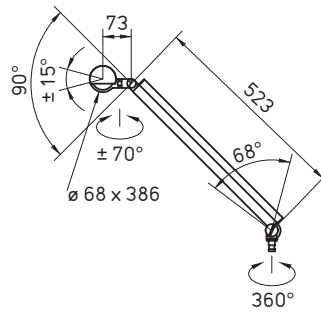
112 293 000 - 000 037 00

DIVA is a shining example for extraordinary design paired with perfect function. Its characteristic appearance convinces with straight lines and cool technical aesthetics. Springs take weight off of the joints and make simple adjustment of the luminaire possible in any desired position.

SETS CLEAR
ACCENTS.



DIVA



DIVA at a glance

- Switch in luminaire head
- Glare-free technology with light-amplifying CDP micro prisms

DIVA technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Illuminance E _m	533 lx at a measuring distance of 50 cm
IEF	44 lx/W
Energy Efficiency Class EEI	Lamp: A/ballast: A3
Balance of Articulation Joints	Spring
Color	Aluminum colored
Mounting	Table base or table clamp (accessories)
Mains Lead	3.4 m with European flat plug

Fitted With	Technology	Consumption	Model	Special Feature	Order Number
1 x TC-SEL 11 W	Switchable	12 W	MPTE 111	1-piece arm	112 311 010 - 000 820 14
1 x TC-SEL 11 W	Switchable	12 W	PTE 111	2-piece arm	112 295 007 - 000 800 80

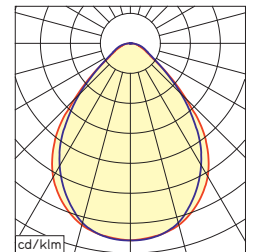
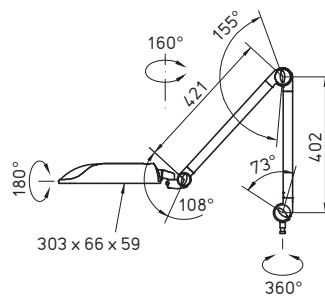
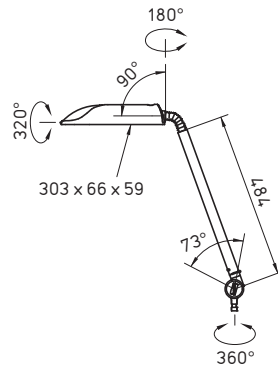


IMPROVES
OVERALL
COMFORT.

AVENUE enables precise lighting of the work station and individual operation by the user. As an additional, individually adjustable lighting component in the workplace, it can significantly improve comfort and ergonomics with higher illuminances and individual control of the incidence of light.



AVENUE



AVENUE at a glance

- Switch in luminaire head
- Glare-free technology with structured screen

AVENUE technical data

Ballast	Conventional plug-in ballast
Connected Load	230 V; 50 Hz
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Illuminance E _m	588 lx at a measuring distance of 50 cm
IEF	39 lx/W
Energy Efficiency Class EEI	Lamp: A/ballast: B2
Balance of Articulation Joints	Spring
Color	Silver metallic
Mounting	Table base or table clamp (accessories)
Mains Lead	3.4 m with European flat plug

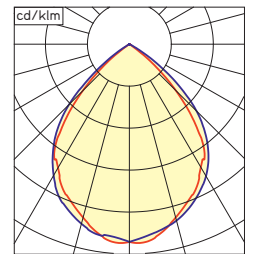
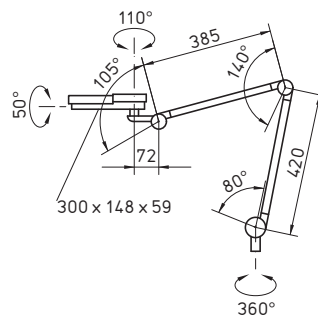
Fitted With	Technology	Consumption	Model	Special Feature	Order Number
1 x TC-S 11 W	Switchable	15 W	MAVE 111	1-piece arm	AVE 003 00E - 000 137 68
1 x TC-S 11 W	Switchable	15 W	AVE 111	2-piece arm	AVE 004 00E - 000 138 00

The extraordinary construction of CIRRUS offers all the advantages of ergonomic lighting in the workplace. For example, the aluminized parabolic louvre prevents disturbing reflective glare – for pleasant, welcoming light.

SUPPORT IN THE WORKPLACE.



CIRRUS



CIRRUS at a glance

- Switch in luminaire head
- Glare-free thanks to aluminized parabolic louvre

CIRRUS technical data

Ballast	Electronic ballast
Connected Load	100/120/230 V; 50/60 Hz
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Illuminance E _m	653 lx at a measuring distance of 50 cm
IEF	33 lx/W
Energy Efficiency Class EEI	Lamp: B
Balance of Articulation Joints	Spring
Color	Light gray; black; black/silver
Mounting	Table base or table clamp (accessories)
Mains Lead	2.7 m with European flat plug

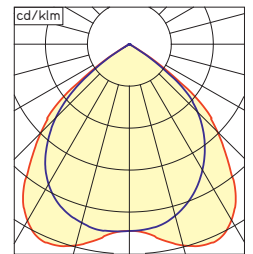
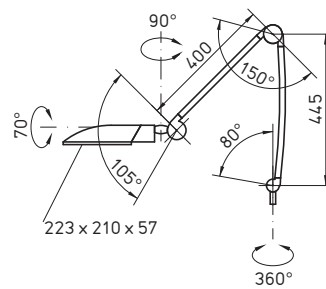
Fitted With	Technology	Consumption	Model	Order Number Light Gray	Order Number Black	Order Number Black / Silver
1 x TC-LEL 18 W	Switchable	20 W	OTE 118	111 601 000 - 000 600 28	111 601 002 - 000 600 29	111 601 008 - 000 088 42

ROOM TO MOVE.

With a very large radius of action and 3-D head joint, DELIGHT offers the highest level of convenience at work stations. Because light is only useful if it falls exactly where it is really needed for visual tasks.



DELIGHT



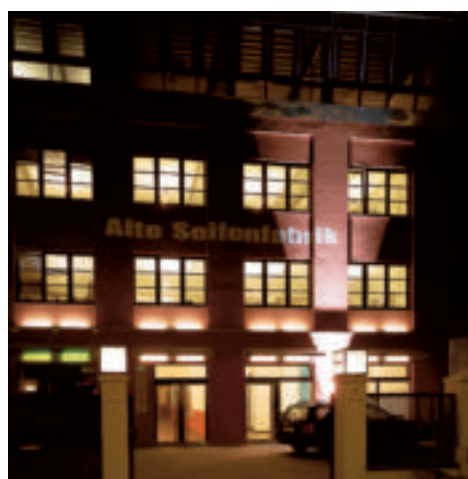
DELIGHT at a glance

- Switch in luminaire head
- Glare-free thanks to aluminized parabolic louvre

DELIGHT technical data

Ballast	Electronic ballast
Connected Load	100/120/230 V; 50/60 Hz
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Illuminance E _m	601 lx at a measuring distance of 50 cm
IEF	33 lx/W
Energy Efficiency Class EEI	Lamp: A
Balance of Articulation Joints	Spring
Color	Light gray; black; black/silver
Mounting	Table base or table clamp (accessories)
Mains Lead	2.7 m with European flat plug

Fitted With	Technology	Consumption	Model	Order Number Light Gray	Order Number Black	Order Number Black / Silver
2 x TC-SEL 9 W	Switchable	18 W	OTE 209	110 751 000 - 000 510 73	110 751 002 - 000 481 09	110 751 008 - 000 104 63





RL 40

90

TUBE LUMINAIRES



RL 70

94

RL 70 EP

98

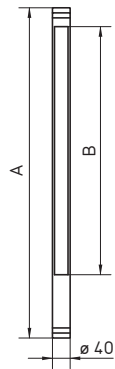
The slimline Waldmann tube luminaires blend into the background and become one with the architecture. Because the right lighting essentially influences the atmosphere and the way architecture is perceived. The high-quality technology also contributes to a long service life with the best possible lighting quality.



RL 40.
CONVINCING WITH
SIMPLE ELEGANCE.



RL 40 S (FOR SEPARATE ELECTRONIC BALLAST)



RL 40 S at a glance

- For separate electronic ballast
- Outertube made out of impact-resistant PMMA

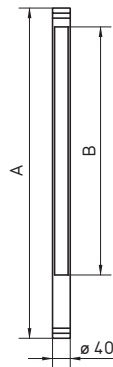
RL 40 S technical data

Ballast	None; separate electr. ballast (accessories)
Light Distribution	Direct
Connected Load	Dependent on the ballast
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Energy Efficiency Class EEI	Lamp: A
Class of Protection	I
System of Protection	IP67
Degree of Protection	IK05 impact resistance i.a.w. VDE 04702
Permissible Ambient Temperature	-15 to +40°C, *-20 to +40°C
Fire Behaviour	B2 i.a.w. DIN 4102 (normal degree of flammability)
Mounting	Luminaire bracket (accessories)
Mains Lead	Direct power supply

Separate Electronic Ballast

Fitted With	Dimensions	Model	Order Number Clear Acrylic	Order Number Satined Acrylic
1 x T5 39 W	A = 970 mm B = 841 mm	RL40-139 S	112 190 022 - 000 798 71	112 190 023 - 000 798 80
1 x T5 54 W	A = 1,270 mm B = 1,141 mm	RL40-154 S	112 191 022 - 000 802 42	112 191 023 - 000 802 43
1 x T8 58 W*	A = 1,675 mm B = 1,494 mm	RL40-158 S	112 251 022 - 000 802 75	112 251 023 - 000 802 76

RL 40 E (WITH INTEGRATED ELECTRONIC BALLAST)



RL 40 E at a glance

- With integrated electronic ballast in series with lamps
- Outertube made out of impact-resistant PMMA

RL 40 E technical data

Ballast	Electronic ballast
Connected Load	230 – 240 V; 50/60 Hz
Light Distribution	Direct
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Energy Efficiency Class EEI	Lamp: A / Ballast A2
Class of Protection	I
System of Protection	IP67
Degree of Protection	IK05 impact resistance i.a.w. VDE 04702
Permissible Ambient Temperature	-20 to +40°C, *-15 to +40°C
Fire Behaviour	B2 i.a.w. DIN 4102 (normal degree of flammability)
Mounting	Luminaire bracket (accessories)
Mains Lead	Direct power supply

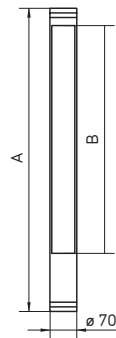
Integrated Electronic Ballast

Fitted With	Dimensions	Model	Order Number Clear Acrylic	Order Number Satined Acrylic
1 x T8 18 W	A = 1,054 mm B = 590 mm	RL40E-118	112 259 025 - 000 801 75	112 259 026 - 000 802 77
1 x T5 24 W	A = 1,003 mm B = 549 mm	RL40E-124	112 231 025 - 000 802 50	112 231 026 - 000 802 51
1 x T8 36 W	A = 1,715 mm B = 1,200 mm	RL40E-136	112 260 025 - 000 802 78	112 260 026 - 000 802 79
1 x T5 39 W*	A = 1,303 mm B = 849 mm	RL40E-139	112 232 025 - 000 797 58	112 232 026 - 000 797 60
1 x T5 54 W*	A = 1,654 mm B = 1,149 mm	RL40E-154	112 233 025 - 000 802 55	112 233 026 - 000 802 56
1 x T8 58 W	A = 2,015 mm B = 1,500 mm	RL40E-158	112 261 025 - 000 802 80	112 261 026 - 000 802 81



Waldmann tube luminaires are the result of the interaction between well-founded technical know-how, innovative vitality, and fully developed technologies. Constructional details offer unlimited possibilities for their integration.

RL 70 H (BALLAST BEHIND THE LAMP)



RL 70 H at a glance

- With integrated electronic ballast positioned behind the lamp
- Outertube made out of impact-resistant PMMA

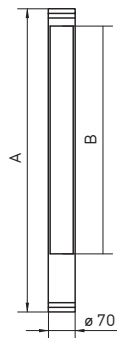
RL 70 H technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Energy Efficiency Class EEI	Lamp: A/Ballast: A2
Class of Protection	I
System of Protection	IP67
Degree of Protection	IK05 impact resistance i.a.w. VDE 04702
Permissible Ambient Temperature	-20 to +40°C, * -25 to +40°C
Fire Behaviour	B2 i.a.w. DIN 4102 (normal degree of flammability)
Mounting	Luminaire bracket (accessories)
Mains Lead	Direct power supply

Integrated Electronic Ballast behind the Illuminant

Fitted With	Dimensions	Model	Special Feature	Order Number Clear Acrylic	Order Number Satined Acrylic
1 x T8 18 W	A = 754 mm B = 626 mm	RL70E-118 H		112 403 002 - 000 887 64	112 403 003 - 000 887 65
1 x T8 18 W	A = 854 mm B = 616 mm	RL70E-118 HD	Through-wired	112 404 002 - 000 887 68	112 404 003 - 000 887 70
1 x T8 36 W*	A = 1,364 mm B = 1,236 mm	RL70E-136 H		112 394 002 - 000 814 79	112 394 003 - 000 814 80
1 x T8 36 W*	A = 1,464 mm B = 1,226 mm	RL70E-136 HD	Through-wired	112 392 002 - 000 813 67	112 392 003 - 000 813 68
1 x T8 58 W	A = 1,664 mm B = 1,536 mm	RL70E-158 H		112 413 002 - 000 809 64	112 413 003 - 000 809 65
1 x T8 58 W	A = 1,764 mm B = 1,526 mm	RL70E-158 HD	Through-wired	112 397 002 - 000 809 04	112 397 003 - 000 809 24

RL 70 E (360° DISTRIBUTION)



RL 70 E at a glance

- With integrated electronic ballast in series with lamps
- Outertube made out of impact-resistant PMMA

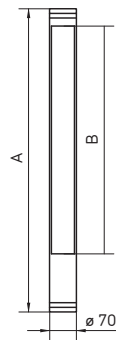
RL 70 E technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Omnidirectional
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Energy Efficiency Class EEI	Lamp: A/Ballast: A2
Class of Protection	I
System of Protection	IP67
Degree of Protection	IK05 impact resistance i.a.w. VDE 04702
Permissible Ambient Temperature	-20 to +40°C, *-25 to +40°C
Fire Behaviour	B2 i.a.w. DIN 4102 (normal degree of flammability)
Mounting	Luminaire bracket (accessories)
Mains Lead	Direct power supply

Integrated Electronic Ballast in Series

Fitted With	Dimensions	Model	Special Feature	Order Number Clear Acrylic	Order Number Satined Acrylic
1 x T8 36 W*	A = 1,687 mm B = 1,183 mm	RL70E-136 X		112 395 002 - 000 813 94	112 395 003 - 000 813 95
1 x T8 36 W*	A = 1,787 mm B = 1,183 mm	RL70E-136 DX	Through-wired	112 396 002 - 000 813 96	112 396 003 - 000 973 10
1 x T8 58 W	A = 1,987 mm B = 1,483 mm	RL70E-158 X		112 412 002 - 000 809 48	112 412 003 - 000 809 49

RL 70 E (WITH INTEGRATED ELECTRONIC BALLAST)



RL 70 E at a glance

- With integrated electronic ballast in series with lamps
- Aluminum profile
- Outertube made out of impact-resistant PMMA

RL 70 E technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Direct
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Energy Efficiency Class EEI	Lamp: A/Ballast: A2
Class of Protection	I
System of Protection	IP67
Degree of Protection	IK05 impact resistance i.a.w. VDE 04702
Permissible Ambient Temperature	-20 to +40°C, *-25 to +40°C
Fire Behaviour	B2 i.a.w. DIN 4102 (normal degree of flammability)
Mounting	Luminaire bracket (accessories)
Mains Lead	Direct power supply

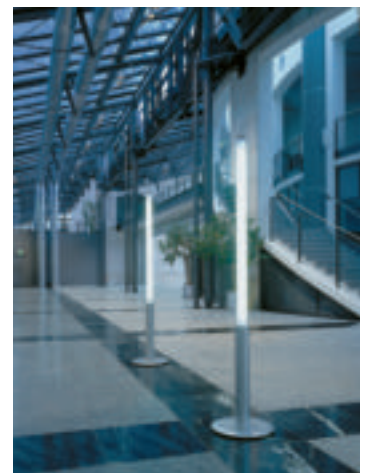
Integrated Electronic Ballast in Series

Fitted With	Dimensions	Model	Order Number Clear Acrylic
1 x T8 36 W*	A = 1,824 mm B = 1,160 mm	RL70E-136 DN	644 656 002 - 000 803 07
1 x T8 58 W	A = 2,124 mm B = 1,460 mm	RL70E-158 DN	643 656 002 - 000 803 06

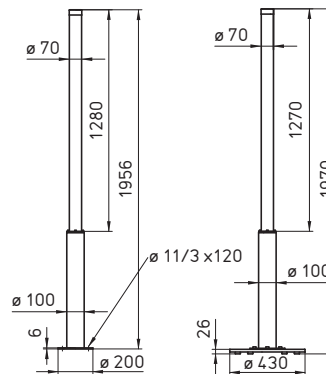


ELEGANCE
INSIDE AND
OUTSIDE.

Pole luminaires cut a fine figure both indoors and outdoors. The combination of reliable and durable technology with simplistic elegance is a timeless means to light a path through the dark.



RL 70 EP POLE LUMINAIRE



RL 70 EP at a glance

- With integrated electronic ballast
- Outertube made out of impact-resistant PMMA

RL 70 EP technical data

Ballast	Electronic ballast
Connected Load	220 – 240 V; 50/60 Hz
Light Distribution	Omnidirectional
Light Color	Neutral white 4,000 K
Color Reproduction	Ra > 80
Energy Efficiency Class EEI	Lamp: A/Ballast: A2
Class of Protection	I
System of Protection	IP67
Degree of Protection	IK05 impact resistance i.a.w. VDE 04702
Permissible Ambient Temperature	-25 to +40°C
Fire Behaviour	B2 i.a.w. DIN 4102 (normal degree of flammability)
Mounting	Screw-down flange (floor standing base for indoors)
Mains Lead	Direct power supply

Integrated Electronic Ballast

Fitted With	Model	Special Feature	Order Number Clear Acrylic	Order Number Satined Acrylic
1 x T8 36 W	RL70EP-136 X	For exterior	112 140 022 - 000 798 62	112 140 023 - 000 798 63
1 x T8 36 W	RL70EP-136 X	For interior	112 141 022 - 000 812 02	112 141 023 - 000 812 25

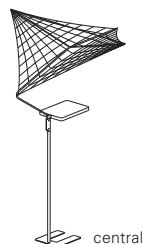


ACCESSORIES

System RX1

Reflection and Acoustic Canvas System for Free-Standing Luminaires

ATARO, TYCOON



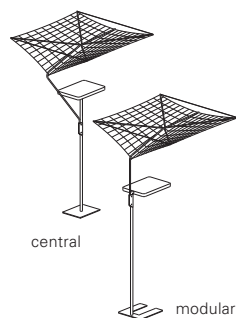
central

Designation	Degree of Reflection	Size	Order Number
RX1-Z-150-O central	65 %	2.25 m ²	225 565 059 - 000 066 21

System RX2

Reflection and Acoustic Canvas System for Free-Standing Luminaires

ATARO, TYCOON



central

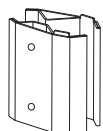
modular

Designation	Degree of Reflection	Size	Order Number
RX2-Z-150-O central	65 %	2.25 m ²	225 976 029 - 005 227 75
RX2-M-150-O modular	65 %	2.25 m ²	225 976 019 - 005 227 78

Clamping

for Reflection and Acoustic Canvas Systems

RX1, RX2



Designation	Color	Order Number
Clamping	Silver metallic	191 111 019 - 005 367 11
Clamping	White	191 111 019 - 005 370 48

Cable

for Free-Standing Luminaires with PULSE EIB/LON/DALI

ATARO, TYCOON



Designation	Order Number
Data Line with RJ 45 Plug	210 218 019 - 000 078 51
Power Supply Cord with Shock-proof Plug	330 293 020 - 000 067 10

Wall Transmitter

for Free-Standing and Suspended Luminaires with Wireless Technology

TYCOON



Designation	Technology	Order Number
Wall Transmitter	Battery-free, 868.3 MHz	330 633 010 - 000 038 31

Table Clamp**for Desk-Mounted Luminaires**

ATARO

Designation**Span****Model****Color****Order Number**

Table Clamp

20-28 mm

TK 1/28

Stone gray

191 102 059 - 000 284 85

**Table Clamp****for Desk-Mounted Luminaires**

TYCOON

Designation**Span****Model****Color****Order Number**

Table Clamp

20-28 mm

TK 1/28

Black

191 102 019 - 000 272 19

**Table Clamp****for Desk-Mounted Luminaires****Designation****Span****Model****Color****Order Number**

Table Clamp

20-28 mm

TK 1/28

Black

191 014 039 - 000 151 97

Slot-in Pivot Pins**for Desk-Mounted Luminaires****Designation****Span****Color****Order Number**

Slot-in Pivot Pins

20-28 mm

Black

303 258 111 - 000 849 22

Table Base**for Task Luminaires**

MINELA, MAIA, AVENUE

Designation**Color****Order Number**

Table Base

Black

ILL 005 00C - 000 505 03

Table Base

Silver metallic

ILL 005 00E - 000 941 76

**Table Clamp****for Task Luminaires**

MINELA, MAIA, AVENUE

Designation**Span****Model****Color****Order Number**

Table Clamp

0-70 mm

Black

ILL 001 00C - 000 504 72

Table Clamp

20-28 mm

TK 1/28

Black

191 017 209 - 000 506 48



ILL 001 00C - 000 504 72



191 017 209 - 000 506 48

Table Base**for Task Luminaires**

DIVA, CIRRUS, DELIGHT

Designation**Color****Order Number**

Round Table Base

Black

190 186 019 - 000 096 44

Round Table Base

Silver metallic

190 186 029 - 000 090 84



Table Clamp for Task Luminaires

DIVA, CIRRUS, DELIGHT



190 103 019 - 000 480 79



190 127 019 - 000 600 20

Designation	Span	Model	Color	Order Number
Table Clamp	0 – 139 mm	TKD	Black	190 103 019 - 000 480 79
Table Clamp	0 – 139 mm	TKD	Gray	190 103 029 - 000 487 03
Table Clamp	0 – 139 mm	TKC	Black	190 127 019 - 000 600 20
Table Clamp	0 – 139 mm	TKC	Gray	190 127 029 - 000 600 21

Table Base for Task Luminaires

DIVA



Designation	Color	Order Number
Table Base	Black	225 386 019 - 000 880 54

Wall Bracket for Task Luminaires

DIVA



225 385 019 - 000 818 71



225 387 019 - 000 818 30

Designation	Color	Order Number
Wall Bracket	Black	225 385 019 - 000 818 71
Wall Bracket	Black	225 387 019 - 000 818 30

EB for Luminaires with External Ballast

RL 40 S



For Luminaire	Model	Design	Order Number
RL40-139 S	Electronic ballast in protective housing (satined)	EB 1 x 39 W	150 319 019 - 000 921 23
RL40-154 S	Electronic ballast in protective housing (satined)	EB 1 x 54 W	150 319 039 - 000 921 25
RL40-158 S	Electronic ballast in protective housing (satined)	EB 1 x 58 W	150 318 039 - 000 921 22

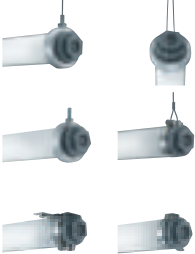
(Additional options upon request)**Protective Housing** for Luminaires with External Ballast

RL 40 S




Model	Order Number
Protective housing for EB IP67 (466 x 38 x 38 mm; L x W x H)	330 463 010 - 000 541 39
Protective housing for EB IP67 (531 x 38 x 38 mm; L x W x H)	330 463 020 - 000 541 40

Luminaire Bracket**for Tube Luminaires**

RL 40	Model	Design	Order Number
	Suspended Bracket (Horizontal)	Aluminum	190 176 019 - 000 920 91
	Suspended Bracket (Vertical)	Aluminum	190 203 019 - 000 914 65
	Screw Bracket	Aluminum	190 177 019 - 000 920 92
	Suspended Bracket	Stainless steel	190 179 019 - 000 920 94
	Wall Clip	Stainless steel	190 174 019 - 000 920 88
	Wall Bracket	Springband steel, galvanized	306 266 022 - 000 859 12


Luminaire Bracket**for Tube Luminaires**

RL 70	Model	Design	Order Number
	Suspended Bracket (Horizontal)	Aluminum	190 173 019 - 000 920 89
	Suspended Bracket (Vertical)	Aluminum	190 204 019 - 000 941 04
	Screw Bracket	Aluminum	190 175 019 - 000 920 90
	Suspended Bracket	Stainless steel	190 178 019 - 000 920 93
	Wall Clip	Stainless steel	190 147 019 - 000 737 87
	Folding Bracket	Stainless steel	190 162 729 - 000 837 10

End Cap**for Tube Luminaires**

RL 40	Model	Design	Order Number
	End Cap with Opening (for Cable)	Aluminum	330 345 030 - 000 364 78
	Closed End Cap	Aluminum	330 345 040 - 000 364 86

End Cap**for Tube Luminaires**

RL 70	Model	Design	Order Number
	End Cap with Opening (for Cable)	Aluminum	330 345 020 - 000 073 65
	Closed End Cap	Aluminum	330 345 010 - 000 073 64
	Washer for Securing the End Cap	Rubber	325 554 010 - 000 807 78

ANNOTATIONS

AMBIO:

AMBIO is a glare-free technology developed by Waldmann that is precisely customized for fields of application in architecture and used exclusively in Waldmann products.

BAT:

Best Available Technology

IEF:

Illuminance Efficiency Factor = $\frac{\text{Illuminance } E_m}{\text{consumption [W]}}$ at a measuring distance of 50 cm [Ix]

CDP:

Conical De-glaring Prism

DALI:

Digital Addressable Lighting Interface, interface for lighting direction in accordance with IEC 62386.

Waldmann is a member of the DALI consortium

EnOcean Alliance:

The EnOcean Alliance supports innovative automation solutions with battery-free wireless technology for sustainable building projects in order to make buildings more energy efficient, flexible, and cost-effective. Waldmann is a participating member of the EnOcean Alliance.

KNX:

The Konnex-Bus (KNX) is a standard in accordance with EN 50090 and ISO/IEC 14543 for a fieldbus that is primarily used in building automation. Originated in Europe.

Luminance:

Over 65° beam angle in accordance with EN12464-1:2011:

≤ 1000 cd/m² monitor with negative polarity, higher requirements e.g. color proofing

≤ 1500 cd/m² monitor with negative polarity, higher requirements e.g. CAD

≤ 3000 cd/m² monitor with negative polarity, normal requirements e.g. office applications

LON:

Local Operating Network (LON) is a standard for a fieldbus in accordance with DIN EN 14908 that is primarily used in building automation. Originated in USA.

PULSE:

Waldmann light management system with PULSE control. All PULSE-based systems have the following functions in common: intelligent operating element, automatic storage of the most recent switch and dimmer state, external switching (switched on sockets) is possible.

PULSE PIR:

Passive Infrared System with motion sensor and daylight control

PULSE HFMD:

High frequency sensor system with presence and daylight control

PULSE KNX:

Communicative luminaire with integrated KNX component, including PULSE PIR or PULSE HFMD sensor system

PULSE LON:

Communicative luminaire with integrated LON nodes, including PULSE PIR or PULSE HFMD sensor system

UGR:

Unified Glare Rating, limiting values for the assessment of reflective glare according to LiTG publication 20:2003

"No glare"	< 16 e.g. CAD
"Glare between nonexistent and noticeable"	< 19 e.g. office
"Glare noticeable"	< 22 e.g. corridor, archives
"Glare between noticeable and disturbing"	< 25 e.g. warehouse, machine hall
"Glare disturbing"	
"Glare between disturbing and intolerable"	
"Glare intolerable (unacceptable)"	

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This catalog can only provide a non-binding rough depiction of our products. The technical data were correct at the time of print. For further information and a detailed consultation, please contact our lighting consultants. Subject to errors, changes to the range and product adjustments for the purpose of technical progress. We accept no liability for printing errors. LED modules and lighting units can differ in regard to luminous fluxes and color temperature (binning).