

LIGHT FOR THE MEDICAL WORKPLACE

TREATMENT AND EXAMINATION LUMINAIRES





LIGHT FOR THE MEDICAL WORKPLACE

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Accessories

MAGNIFIER LUMINAIRES

HALUX N50



HALUX N30



OPTICLUX Hand



OPTICLUX









IN USE WORLDWIDE

Great Ormond Street Hospital, London, **United Kingdom** Israel -Cedars-Sinai Medical Center, Los Angeles, **USA** Ohio State University College of Dentistry, Ohio, **USA** Bolivia

Innovation and premium quality.

Our designers and engineers blaze new trails while keeping proven technologies in mind. We develop light that helps people in their everyday lives and meets their needs — all over the world.



Danderyds sjukhus Hospital, Stockholm, **Sweden**

Private ENT clinic, Wroclaw, **Poland**

Aga Khan University Hospital, Karachi, **Pakistan**

IIUM Medical Center, Kuantang Bahang, **Malaysia**

Ripas Hospital, Bandar Seri Begawan, **Brunei**

Lutetia Clinic, Dubai,
United Arabic Emirates

Singapore ___

Royal Children's Hospital, Melbourne, **Australia**





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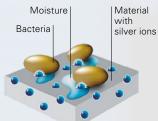














www.sanitized.com

Silver ions destabilize the cell membrane of microbes and bacteria

Hygiene in focus.

When developing new luminaires, our engineers pay attention not only to ergonomic comfort but also to the fact that the luminaires are easy to clean in everyday use.

Cleanliness through closed housing.

The closed design reduces the penetration of liquid and dust and makes cleaning surfaces noticeably easier. The removable handles of the treatment luminaries TRIANGO 100 and TRIANGO 80 can be removed with one hand and can thus be optimally sterilized.

Active dirt resistance with antimicrobial hygiene function.

The examination lamp VISIANO 20 is equipped with an antimicrobial hygiene function. The biocidal agent is integrated in critical areas, such as the luminaire top housing. Tests have shown that 99% of bacteria and microbes could be destroyed.

FATIGUE-FREE WORK



Light enlivens tired eyes

Bad lighting conditions put a strain on our eyes. Headaches, burning eyes and reduced performance can be the result. A homogeneous, glare-free light field relieves noticeably and promotes efficiency. A well thought-out lighting concept should therefore include not only general lighting but also the lights of a medical workplace. The luminaire is very often in use therefore it is important that it reliably supports everyday use and maximizes visual comfort.

Best light conditions

Illuminance, light color temperature and color rendering are optimally matched to the versatile everyday clinical and practice routine. Specially developed optics ensure a homogeneously illuminated work area. Derungs medical lights achieve very good color rendering properties and facilitate diagnosis and treatment. In addition, the lluminance can be dimmed.



ALWAYS THERE FOR YOU





Register products

Enroll your Derungs medical luminiare and benefit from: Plus 1 year guarantee, current information on the product according to MDR and exclusive offers.



Product consulting and sampling

Waldmann's international subsidiaries and dealers work with you to develop an effective lighting concept to suit your needs – from room lighting to individual workstation lighting. Try out our medical I uminaires with no obligation and see why they're better.

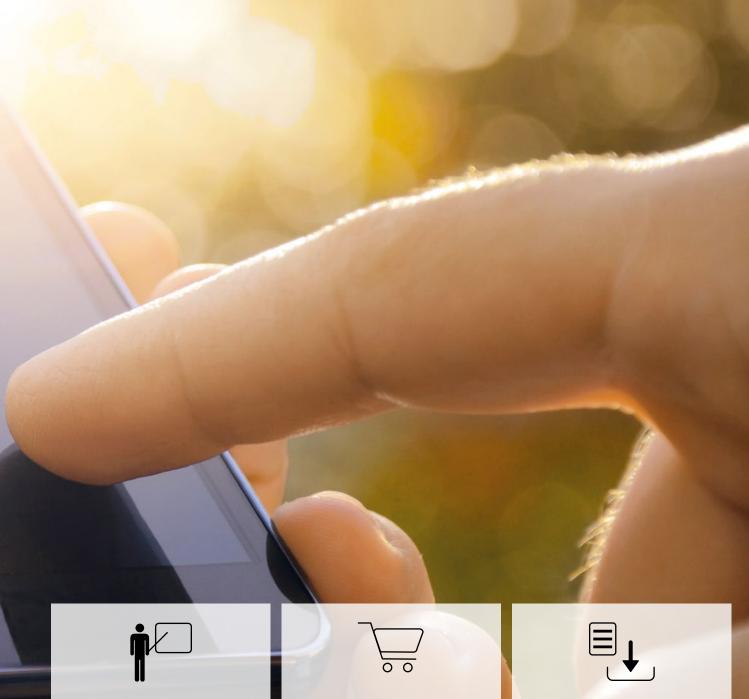


Technical service & maintenance

We help with light planning, implementation and maintenance. In the operating instructions, you will find important notes on installation and care. If you need repairs or replacement parts, you have access to our international service network.

Service, support and partnership.

Our aim is to develop the best products for you, but also we would like to be the best partner. That's why we are happy to support you in all phases of your project, with all questions about planning, installation and maintenance of our products.



Training

Operating our luminaires is generally intuitive, but light management systems often require training to achieve their full energy savings potential. We prepare facilities managers and service technicians, so that our users can benefit from the best possible work conditions.



If you would like to know more about the product you are interested in or want a quote, your specialized dealer or our lighting consultant can answer your questions. Business customers from Germany, Austria and Switzerland can also order the luminaires directly from the Waldmann web shop.

Downloads & software

Download technical data sheets, product brochures and CAD/BIM data. Those who like to learn more about products through brief videos will find various movies on the website and on the Waldmann or Derungs channel on YouTube.

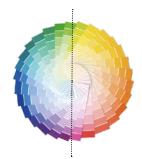


Color rendering

The color impression of a lighted object depends on the spectral composition of the light:

- Cool white light emphasizes blue, violet and green tones.
- Warm white light brings forward red, yellow and orange tones.

Highlighted hues through cool white light



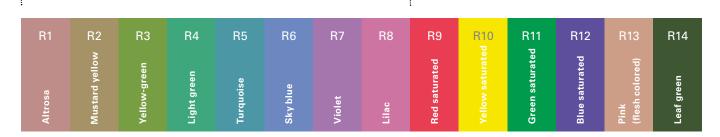
Highlighted hues through warm white light

What is the Ra color rendering index?

The Ra color rendering index (CRI) is for evaluating artificial light sources. This index indicates how true to nature the colors are under a given light source compared to the color rendering under natural light.

The highest Ra value is 100. Ra 100 indicates that all of an object's colors can be recognized as under optimal daylight: They appear "natural" to the viewer. The more the Ra color rendering index diverges from 100, the worse the colors on the lighted object are reproduced.

Ra is the index made up of R1-R8



How is the Ra value determined?

To determine the Ra value of a light source, eight common test colors are generally illuminated, each with a reference light source and the light source to be tested. The smaller the divergence between the reference light source and the light source to be tested, the better the tested light source's color rendering properties.

- Test color R9, especially important for differentiating various red tones in tissue and blood
- Test color R13 is the "flesh color", important for better recognition of veins and blood vessels



OPTICLUX with wood's light.

The special model or version for dermatologists, veterinarians and forensic medicine combines two lighting modes in one device: daylight white illumination and wood's light. This means that different examinations can be performed with just one light. Old-fashioned wood's lights require the room to be completely darkened.

Thanks to powerful BLB LEDs, the Opticlux doesn't need this. That means more time for the patient.

For radiation of certain dermatomycoses to obtain diagnostic indications based on the fluorescence that occurs:

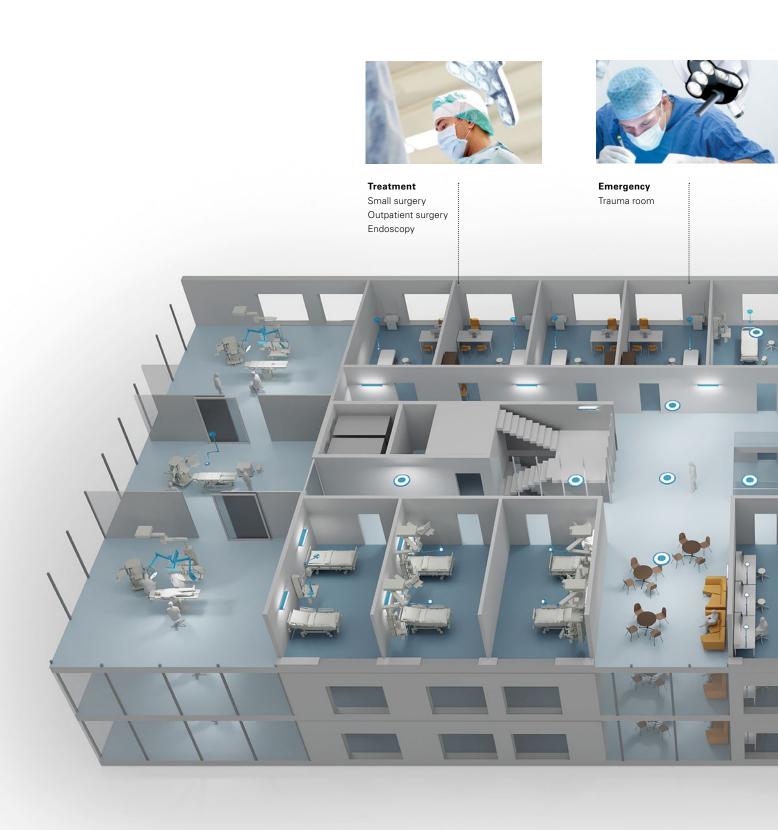
- ERYTHRASMA (red fluorescence)
- MICROSPORIA (weak green fluorescence)
- FAVUS (bilious green fluorescence)
- TRICHOBACTERIOSIS AXILLARIS (yellow ochre colored fluorescence)
- PITYRIASYS VERSICOLOR (yellow ochre colored fluorescence)
- TUBEROUS SCHLEROSIS (blue-white fluorescence versus normal skin)
- VITILIGO (blue/bright white fluorescence of depigmented areas)
- SCABIES (gray-white mite tracks)

Also for fluorescence diagnostics (FD) for in-vivo diagnostics of dysplastic tissues and surface tumors in connection with local or systemically applied pigment, such as PPIX or 5-ALA.



Competence in examination and treatment areas

Medical luminaires from Derungs can be used in different hospital departements and surgeries. Find your application and we help you to find the right luminaire: Choose between various performance and equipment features, as well as fastening options.











General medicine Dermatology Gynecology Neonatology Anesthesia

Operation room preparation Anesthesia

Intensive care







TREATMENT LUMINAIRES



























TRIANGO 100	26	
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OPTICLUX Hand	56	
OPTICLUX	60	



LIGHT FOR THE MEDICAL WORKPLACE

Luminaire	Treatment	Surgery preparation	Emergency	Examination	Specialist examination	Intensive care
Treatment Luminaire	Small / Out- patient surgery Endoscopy Delivery	Anesthesia	Trauma room	General medicine. Dermatology Neonatology Paediatrics	Gynaecology & Obstetrics / Urology	
TRIANGO 100	•	0	•	0	•	
TRIANGO 80	•		•	0	0	
Examination Luminai	re					
VISIANO 20		0	0	•		0
VISIANO 10		0		•		•
HALUX N50		0	0	•	0	•
HALUX N30				0	•	0
Magnifier Luminaires						
OPTICLUX				•		
OPTICLUX Hand				•		

- ideally suitable
- O well suited



	No.			1	Q	lacksquare	
'		annun.	ululuuu.	*		Class	Illumination
Ceiling	Wall	Roller stand Cable	Roller stand Battery	Pin Universal	Hand lamp Battery	Luminious power Function Design	Lux (lx)
~	~	~				****	100 000 Lux @ 1.0 m
	•	•	•			***	80 000 Lux @ 1.0 m
V	•	•		✓		****	80 000 Lux @ 0.5 m
	•	•		✓		***	50 000 Lux @ 0.5 m
	•	•		~		***	50 000 Lux @ 0.5 m
	~	~		~		**	30 000 Lux @ 0.5 m
✓	~	~		~		****	6 000 Lux @ 0.15 m
					~	****	8 000 Lux @ 0.15 m

Further variants and technical information online: www.waldmann.com

We are a full provider.

Discover our room and workplace lighting for office and nursing care.

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Light and ergonomics

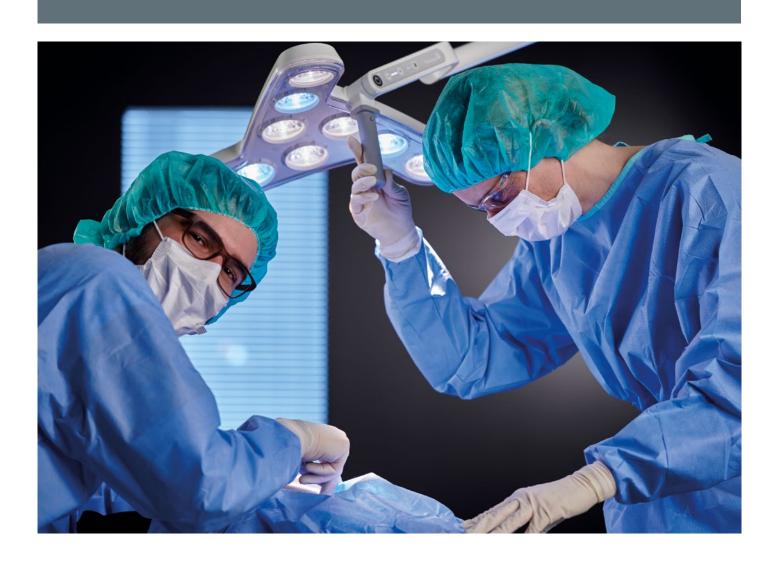
The universally applicable treatment luminaires create the best light conditions for any type of examination and small surgical intervention. High-quality LED technology optimally reproduces color nuances and supports doctors in their daily work. Premium arm systems with a large movement radius and good positioning provide simple, ergonomic operation.

Normative requirements of IEC 60601-1

- Protection class: I or II with PA connection
- No failure safety
- Easy to move
- Illumination intensity 40–160 klx
- D50 to D10 at least 50%
- Color temperature 3,000K to 6,700K
- Color rendering index Ra > 85
- For examination and operating rooms, etc.
- Removable, sterilizable hand grip
- Stable light quality

TREATMENT LUMINAIRES TRIANGO 100











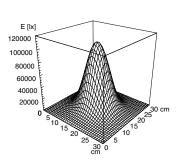
Ceiling Wall

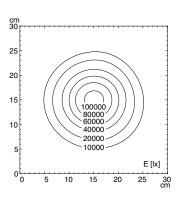
Roller stand Cable

The TRIANGO 100 treatment light is the latest premium product. With 100,000 lux at one meter, it is the highest-performing medical light by Derungs. It is especially good for treatment, minimally invasive interventions and in-depth examinations. The version with Endo mode also offers optimum light for endoscopic treatments. With its first-class features, such as Ra 95 color rendering and LEDs in two different light colors, it also assists medical personnel in fields like dermatology, gynecology and urology. Special versions with focusable light fields extend the applications even further.



reddot winner 2020





Illumination intensity -10%/+20% tolerance

TRIANGO 100 technical data

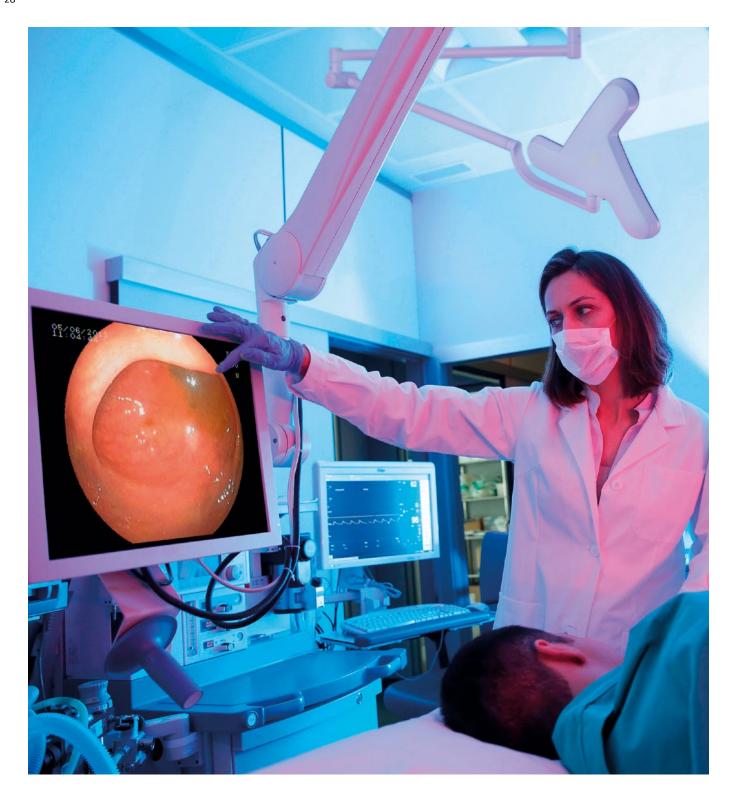
Special features

Luminious power *	100 000 lux @ 1.0 m		
Color temperature *	fixed 4,300 K adjustable: 3 700 K / 4 300 K / 4 700 K		
Illuminance field @ 1.0 m *	fixed 18 cm focusable: 18–28 cm		
Depth of illumination	1.2 m		
Color rendering index Ra	95		
Usage	keypad at luminaire head		
Accessories	sterilizable hand grip, disposable grip cover, intermediate ceiling adapter		
Class of protection	I		
Norms	EN 60601-1, EN 60601-2-41		
System of protection	IP 43 (luminaire head)		
	4-stage dimmable, 3-stage color changing (optional),		

maintenance-free

focusable (optional), Endo mode (optional),



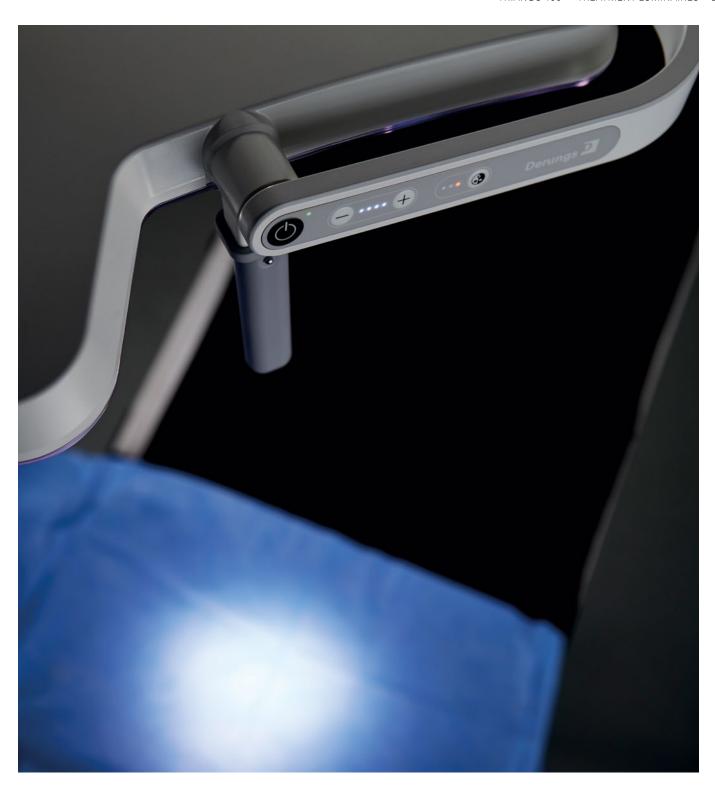


Endo mode.

When doctors perform treatments or examinations on monitors, the illumination intensity can be adjusted so that glare or reflections are reduced to a minimum. If complications occur during the procedure and the patient has to be operated on, the touch of a button brings the full power of 100 000 lux.

Focusable light field.

An adjustable light field gives any doctor a great deal of everyday flexibility. The light can be optimally adjusted to the treatment surface. During treatment to the patient's face, a smaller light field protects from glare. For larger treatment surfaces, a large light field reduces the need to reposition the luminaire.





Intuitive operation Simple operation with an easy-to-reach keypad



Ideal color temperature Optional, adjustable to three levels (3 700 K / 4 300 K / 4 700 K)*



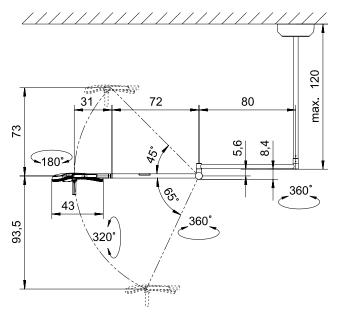
Diamond cluster optics For uniform light with 100 000 lux @ 1.0 m



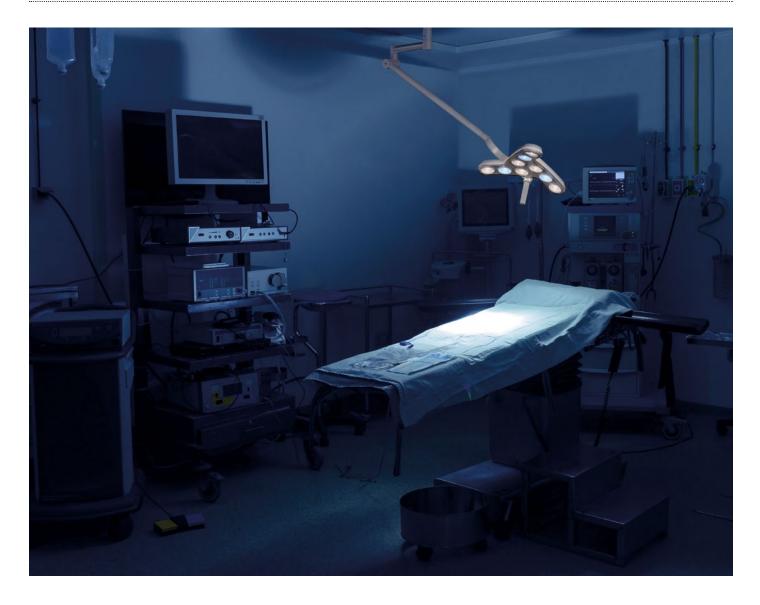
Unique arm system High positional accuracy and long reach

TRIANGO 100

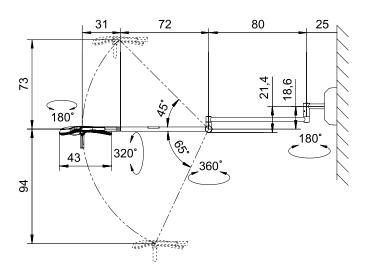




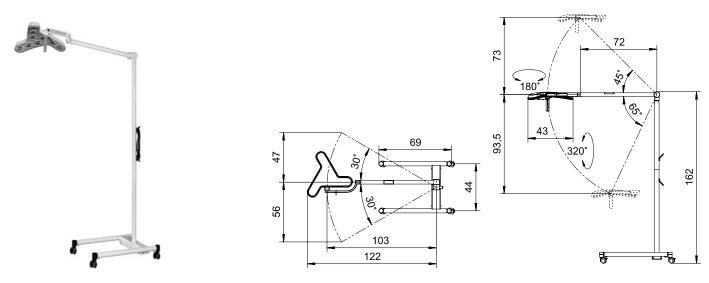
TRIANGO 100 – Ceiling version	Connection	Special features	Order No.
TRIANGO 100-1 C	direct power supply	dimmable	D15.884.000-00802695
TRIANGO 100-3 C	direct power supply	dimmable, 3 color shades	D15.885.000-00803113
TRIANGO Fokus 100-1 C	direct power supply	dimmable, focusable	D15.886.000-00803685
TRIANGO Fokus 100-3 C	direct power supply	dimmable, focusable, 3 color shades	D15.887.000-00803686
TRIANGO Endo 100-1 C	direct power supply	dimmable, Endo mode	D15.972.000-00803704







TRIANGO 100 – Wall version	Connection	Special features	Order No.
TRIANGO 100-1 W	direct power supply	dimmable	D15.888.000-00803663
TRIANGO 100-3 W	direct power supply	dimmable, 3 color shades	D15.889.000-00803114
TRIANGO Fokus 100-1 W	direct power supply	dimmable, focusable	D15.890.000-00803687
TRIANGO Fokus 100-3 W	direct power supply	dimmable, focusable, 3 color shades	D15.891.000-00803688
TRIANGO Endo 100-1 W	direct power supply	dimmable, Endo mode	D15.973.000-00803706



TRIANGO 100 – Roller stand	Connection	Special features	Order No.
TRIANGO 100 -1 F	3.0 m cable, Schuko	dimmable	D15.923.000-00803670 - CH D15.892.000-00803664 - SCHUKO D15.911.000-00803665 - UK
TRIANGO 100 -3 F	3.0 m cable, Schuko	dimmable, 3 color shades	D15.924.000-00803671 - CH D15.893.000-00803115 - SCHUKO D15.912.000-00803187 - UK
TRIANGO Fokus 100-1 F	3.0 m cable, Schuko	dimmable, focusable	D15.925.000-00803698 - CH D15.894.000-00803689 - SCHUKO D15.913.000-00803700 - UK
TRIANGO Fokus 100-3 F	3.0 m cable, Schuko	dimmable, focusable, 3 color shades	D15.926.000-00803699 - CH D15.895.000-00803690 - SCHUKO D15.914.000-00803188 - UK
TRIANGO Endo 100-1 F	3.0 m cable, Schuko	dimmable, Endo mode	D15.978.000-00803711 - CH D15.974.000-00803707 - SCHUKO D15.975.000-00803708 - UK

TREATMENT LUMINAIRES TRIANGO 80













Roller stand Cable

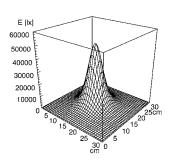


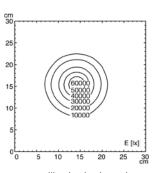
Roller stand Battery

Even better: We have further optimized the proven TRIANGO 30. This luminaire is now called TRIANGO 80 and is suitable for minor interventions. Illuminance has been increased to 80,000 lux at a distance of one metre. The light field diameter has also been increased to 18 cm. A newly developed optical system provides bright and homogeneous illumination of the treatment and examination area. The new linkage enables simple and accurate alignment of the luminaire head. The special handle allows rightand left-handed users to easily position the luminaire.



reddot design award winner 2012





Illumination intensity -10%/+20% tolerance

TRIANGO 80 technical data

Luminious power *	80 000 lux @ 1.0 m
Color temperature *	4 500 K
Illuminance field @ 1.0 m *	Ø 18 cm
Depth of illumination	2.4 m
Color rendering index Ra	95
Usage	control knob on the luminaire head
Accessories	sterilizable hand grip, disposable grip cover, intermediate ceiling adapter
Class of protection	I
Norms	EN 60601-1, EN 60601-2-41
System of protection	IP 43 (luminaire head)
Special features	continuous dimming, maintenance-free

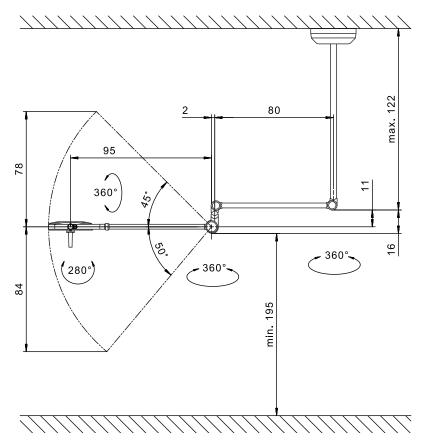


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TRIANGO 80

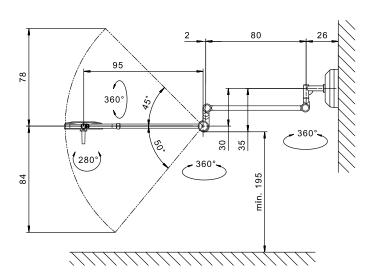




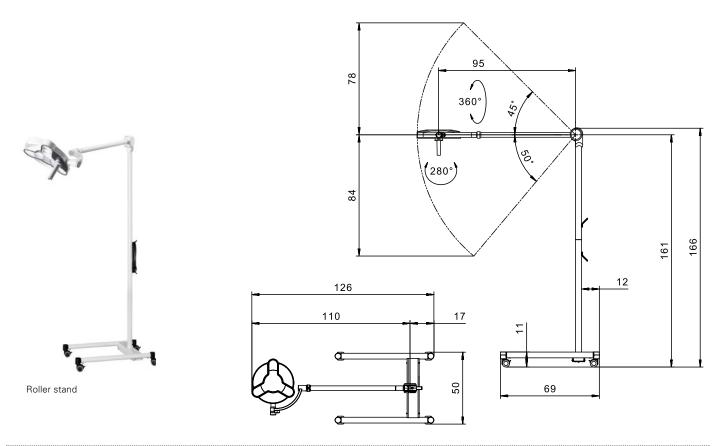


TRIANGO 80 – CEILING VERSION	Connection	Special features	Order No.	
TRIANGO 80-1 C	direct power supply	dimmable	D16.131.000-00808951	





TRIANGO 80 - WALL VERSION	Connection	- F	Order No.	
TRIANGO 80-1 W	direct power supply	dimmable	D16.136.000-00808986	



TRIANGO 80 – Roller stand	Connection	Special features	Order No.
TRIANGO 80-1 F	3.0 m cable, Schuko	dimmable	D16.132.000-00808982 - pure white - Schuko D16.133.000-00808983 - pure white - CH D16.134.000-00808984 - pure white - UK

Other plugs are available on request.





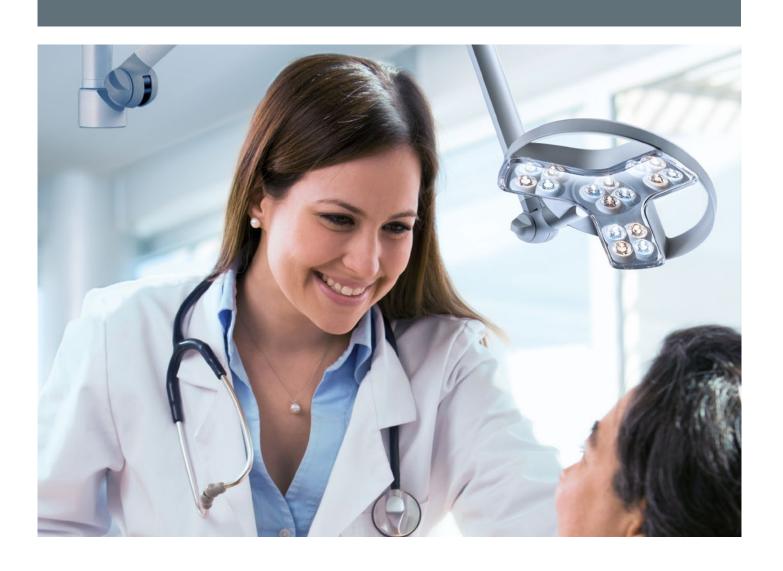


The versatile examination luminaires support localized lighting on the patient's body. Their illumination intensity, light color and color rendering are adapted to assist in diagnosis. The examination luminaires' appealing design, modern light technology and high light quality ensure optimal examination illumination in all medical fields.

- Easy to move
- Color temperature 3 000K to 6 700K
- Color rendering index Ra > 85
- For examination rooms, etc.
- Stable light quality
- · No failure safety

EXAMINATION LUMINAIRES VISIANO 20









Ceiling

Wall





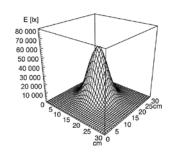
Pin Universal

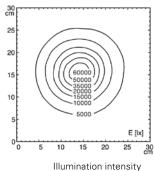
Roller stand Cable

The VISIANO 20 is an examination luminaire with first-class performance and innovative features. At 60 000 lux at 0.5 m, the light field is outstanding for the class. This makes it suitable for many applications: general medicine, dermatology, gynecology, urology, neonatology and anesthesia. In intensive care, emergency and surgery preparation, it assists medical personnel with high quality illumination using LEDs in two different light colors. Unique in this luminaire category is the integrated Sanitized® hygiene function.









-10%/+20% tolerance

VISIANO 20-2 technical data

Luminious power *	60 000 lux @ 0.5 m
Color temperature *	3 500 K & 4 500 K
Illuminance field @ 0.5 m *	Ø 21 cm
Color rendering index Ra	95
Usage	keypad on luminaire head
Accessories	suspended Ceiling Adapter
Class of protection	ceiling version I, pin version II
Norms	EN 60601-1, EN 60601-2-41
System of protection	IP 20

Special features

2 color temperatures, 4 dimming levels, antimicrobial surface, continuously rotating luminaire head



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Antimicrobial protection against the spread of bacteria

In untreated materials, harmful bacteria and germs multiply within 20 minutes. The integrated antimicrobial hygiene function in the upper luminaire housing helps to keep critical areas hygienic. Tests have shown that up to 99% of the bacteria and microbes can be destroyed. The biocide is permanently resistant, but is not a substitute for regular cleaning.

Versatile use

The VISIANO's mounting options are as diverse as its potential applications. Whether on the ceiling, wall or roller stand, the completely enclosed housing prevents dirt from entering and settling.





Color changing for optimal contrast viewing



Unique diamond optics for best light color uniformity

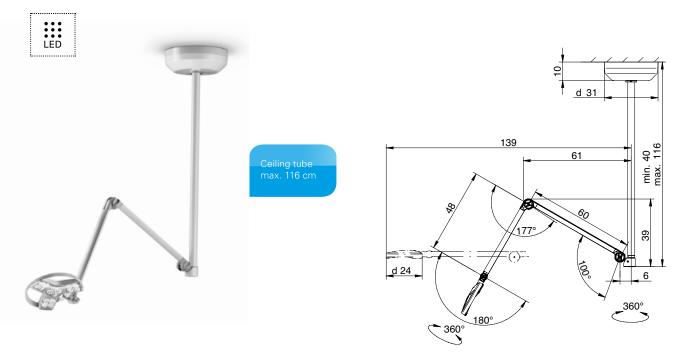


360° turnover axis for maximum light availability



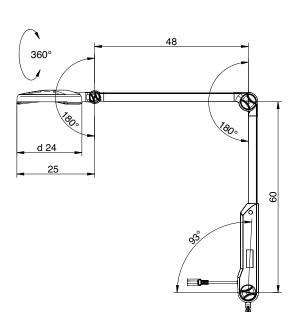
Spring-balanced friction joint for effortless positioning and locking

VISIANO 20



VISIANO 20 – Ceiling version	Connection	Special features	Order No.
 VISIANO 20-2 C T1	direct power supply	dimmable, 2 color shades	D15.450.000-00633104





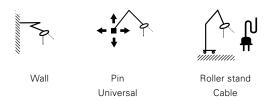
VISIANO 20 – Pin version	Connection	Special features	Order No.
VISIANO 20-2 P TX	1.8 m cable, Euro	dimmable, 2 color shades	D15.451.000-00633107 - Euro D15.456.000-00678230 - UK



EXAMINATION LUMINAIRES VISIANO 10

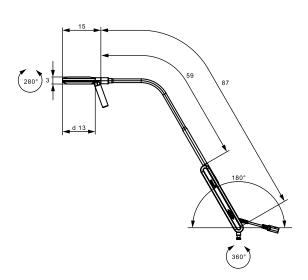






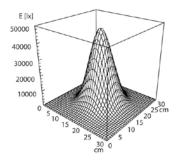
The VISIANO 10 is an examination luminaire reduced to the essentials, but without skimping on professional light technology. With 50 000 lux of illumination intensity at a distance of 0.5 m, it is suitable for general examinations, as well as intensive care and neonatology. The ergonomic hand grip allows easy alignment of the light field.

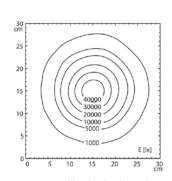




VISIANO 10	Connection	Special features	Order No.
VISIANO 10-1 P S10	1.8 m cable, Euro	Flex arm, ergonomic hand grip	D15.732.000-00689628 - Euro D15.756.000-00712490 - UK

Other plugs are available on request.





Illumination intensity -10%/+20% tolerance

visiano	10-1	tecnnicai	aata

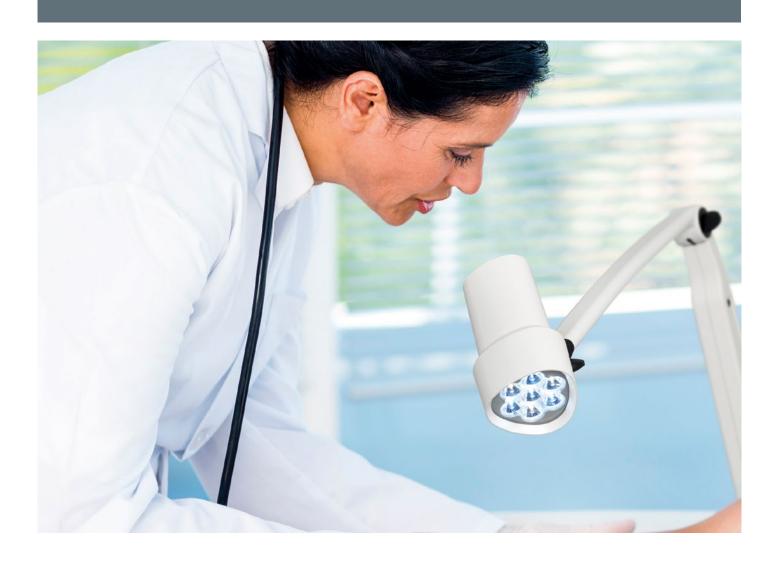
Luminious power *	50 000 lux @ 0.5 m
Color temperature *	4400 K
Illuminance field @ 0.5 m *	Ø 18 cm
Color rendering index Ra	93
Usage	I/0 switch on the arm
Class of protection	II
Norms	IEC 60601-1
System of protection	IP 20
Special features	hand grip, luminaire head can be turned 280°

* -10% / +20% tolerance

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EXAMINATION LUMINAIRES HALUX N50









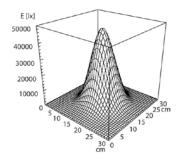


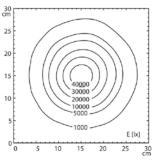
Wall Universal

Roller stand Cable

HALUX N50 is the right luminaire for anyone looking for good lighting quality at a top price. The illuminance of up to 50 000 lux at 0.5 m and the 18 cm light field ensure optimum examination conditions. The neutral white light with very good colour rendition properties facilitates diagnosis. Illuminance can be dimmed in five levels. The arm system also leaves nothing to be desired: Depending on requirements, the luminaire is available with a robust flexible arm or a positionally stable spring arm. Thanks to its closed design, HALUX N50 is easy to clean.







Illumination intensity -10%/+20% tolerance

HALUX N50 technical data

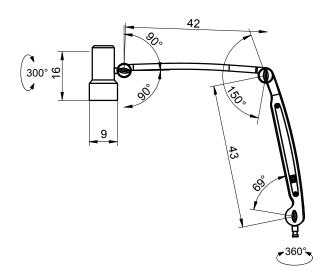
Luminious power *	50 000 lux @ 0.5 m
Color temperature *	Fixed 4 400 K Adjustable: 3 300 K / 3 800 K / 4 400 K **
Illuminance field @ 0.5 m *	Ø 18 cm
Color rendering index Ra	93
Usage	Touch pad on light head or rocker switch (I/O)
Class of protection	II
Norms	EN 60601-1, EN 60601-2-41
System of protection	IP 20 (luminaire head)
Special features	5 dimming levels **



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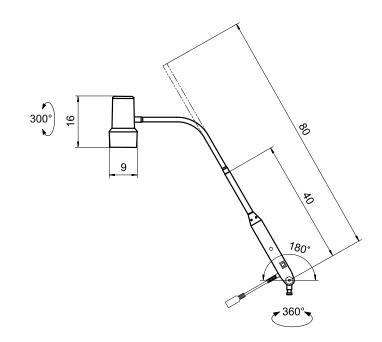




HALUX N50-1	Connection	Special features	Order No.
HALUX N50-1 P FX	1.8 m cable	Spring-balanced arm	D16.012.000-00806681 - Euro D16.037.000-00806685 - UK
HALUX N50-3 P FX	1.8 m cable	Spring-balanced arm , dimmable, colour changeable	D16.013.000-00806682 - Euro D16.038.000-00806686- UK

Other plugs are available on request.





HALUX N50-1	Connection	Special features	Order No.
HALUX N50-1 P SX	1.8 m cable	Flex arm	D16.010.000-00806679 - Euro D16.035.000-00806683 - UK
HALUX N50-3 P SX	1.8 m cable	Flex arm, dimmable, colour changeable	D16.011.000-00806680 - Euro D16.036.000-00806684 - UK
HALUX N50-3 P SX Gyn.	1.8 m cable	Flex arm, dimmable, colour changeable, rail clamp with brake function	D16.157.000-00809568 - Euro



Outstanding color rendering

Optimal light color for precise and safe diagnoses



Intuitive operation

Simple operation with an easy-to-reach touch panel*



Individual light strength

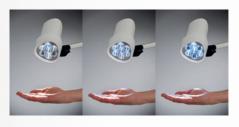
5-level dimming * makes the light easily adaptable





Optimal contrast viewing

3 colour levels* for accurate detail and perfect contrast





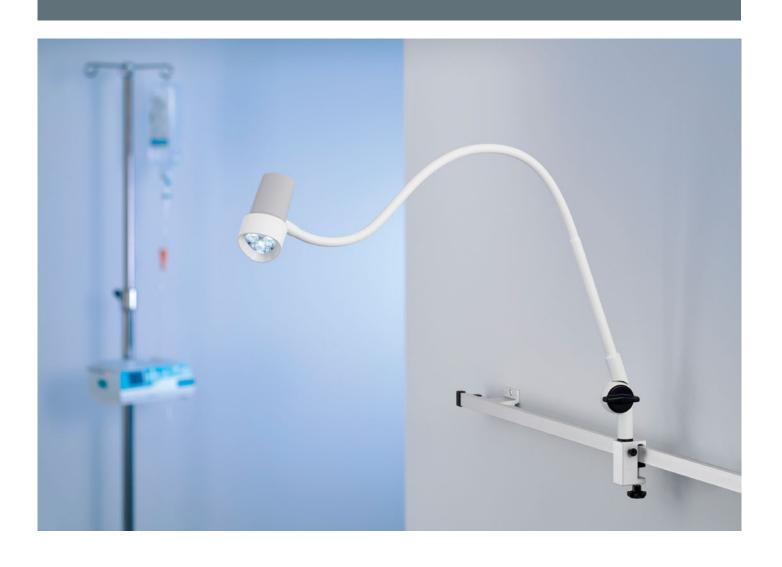




* HALUX N50-3 Model

EXAMINATION LUMINAIRES **HALUX N30**







Wand





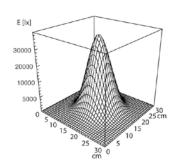
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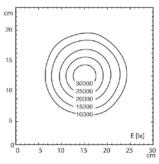


Rollstativ Kabel

HALUX N30 is a solid examination luminaire with uncompromisingly good light and a very attractive price. With a diameter of 18 cm and an illuminance of up to 30 000 lux over 0.5 m, the lighting field is perfectly equipped for versatile everyday use. The good colour rendering properties and the infinitely variable dimming function offer a high level of comfort. The HALUX N30 version is particularly versatile in terms of the possible arm systems: from flexible arm with or without foot joint, with spring arm or rolling stand. The closed construction avoids dirt pockets and is easy to clean.







Illumination intensity -10%/+20% tolerance

HALUX N30 technical data

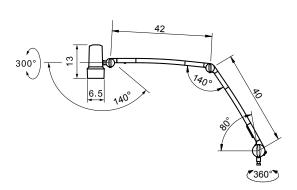
Luminious power *	30 000 lux @ 0.5 m
Color temperature *	4 400 K
Illuminance fi eld @ 0.5 m *	Ø 18 cm
Color rendering index Ra	93
Usage	Push button
Osage	on light head
Class of protection	II
Norms	EN 60601-1, EN 60601-2-41
System of protection	IP 20 (luminaire head)
Special features	infinitely dimmable



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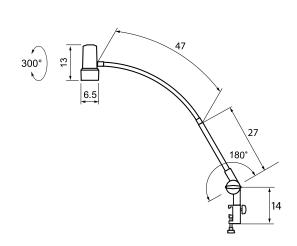




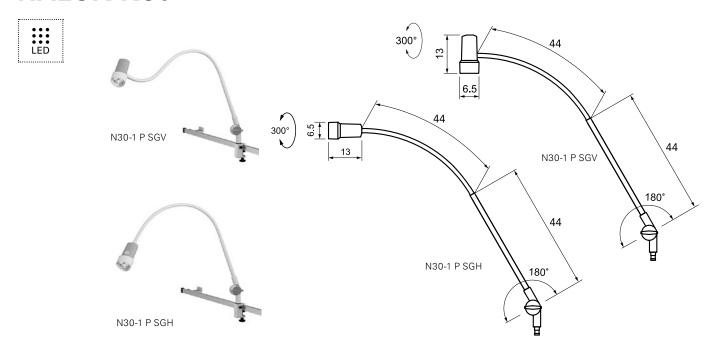
	HALUX N30-1 P F1	Connection	Special features	Order No.
ا	HALUX N30-1 P F1	1.7 m cabel	Flex arm with foot joint, dimmable	D15.994.000-00806677 - EU, UK, US, AUS

Other plugs are available on request.



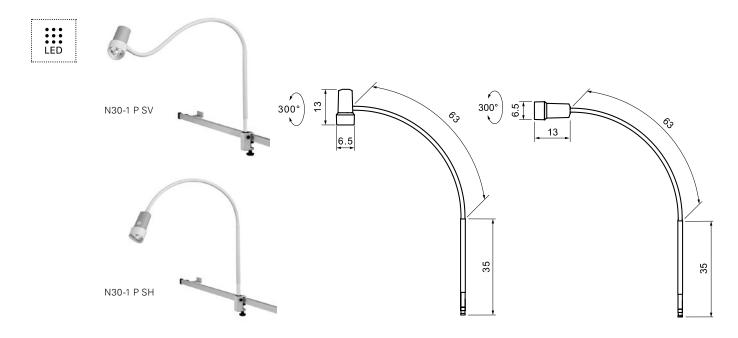


HALUX N30-1 P SG	Connection	Special features	Order No.
HALUX N30-1 P SGV Gyn.	1.8 m cabel	Flex arm with foot joint, dimmable, rail clamp with brake function	D16.156.000-00809567 - EU, UK, US, AUS



HALUX N30-1 P SG	Connection	Special features	Order No.
HALUX N30-1 P SGV	1.7 m Kabel	Flex arm with foot joint, dimmable	D15.992.000-00806675 - EU, UK, US, AUS
HALUX N30-1 P SGH	1.7 m Kabel	Flexarm with foot joint, dimmable	D15.993.000-00806676 - EU, UK, US, AUS

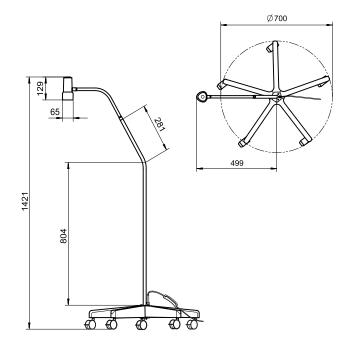
Other plugs are available on request.



HALUX N30-1 P S	Connection	Special features	Order No.
HALUX N30-1 P SV	1.7 m cable	Flex arm, dimmable	D15.990.000-00806673 - EU, UK, US, AUS
HALUX N30-1 P SH	1.7 m cable	Flex arm, dimmable	D15.991.000-00806674 - EU, UK, US, AUS

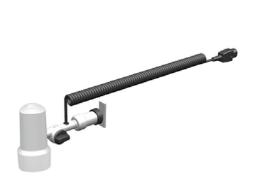


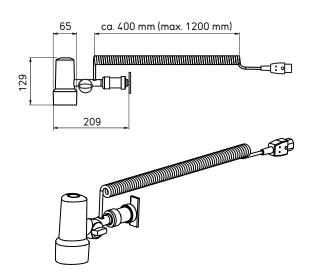




HALUX N30-1 F	Connection	Special features	Order No.
HALUX N30-1 F	1.7 m Kabel	Flex arm with foot joint, dimmable	D15.992.000-00806675 - EU, UK, US, AUS
HALUX N30-1 P SGH	1.7 m Kabel	Flexarm with foot joint, ddimmable	D15.993.000-00806676 - EU, UK, US, AUS

Other plugs are available on request.





HALUX N30-1 P S	Connection	Special features	Order No.
HALUX N30-1 P SV	1.7 m cable	Flex arm, dimmable	D15.990.000-00806673 - EU, UK, US, AUS
HALUX N30-1 P SH	1.7 m cable	Flex arm, dimmable	D15.991.000-00806674 - EU, UK, US, AUS

A wide selection

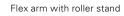
Attachment of the luminaire head from the side or from behind





Versions with or without foot joint









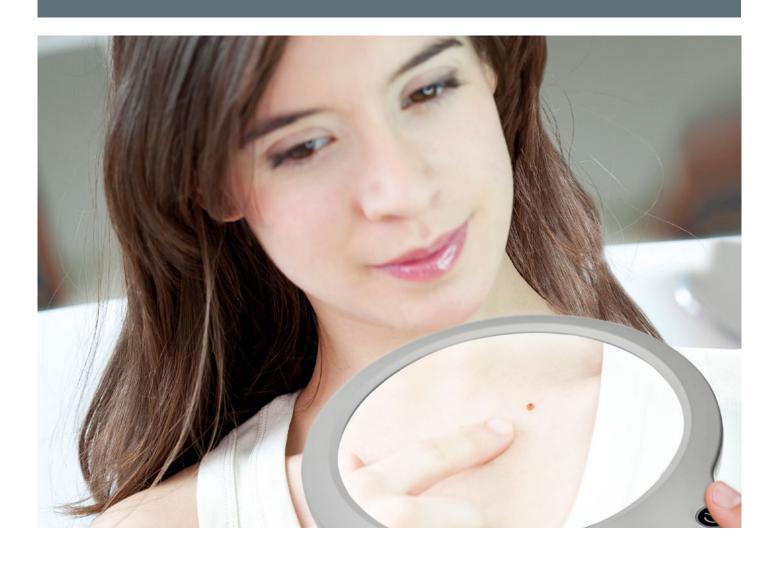


Optimal enlargement

Eyesight can often reach its limits in demanding medical tasks. Distortion free enlargement under optimal light conditions is needed. Magnifier luminaires illuminate details to their greatest precision, because they are designed for in-depth examinations and analysis in the dialog with the user.

MAGNIFIER LUMINAIRE OPTICLUX Hand



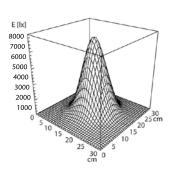




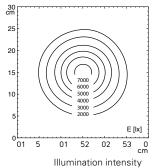
The new OPTICLUX hand-held magnifier luminaire with ergonomic handle provides support for demanding visual tasks. This is ensured by the large dimmable light field in daylight quality, excellent colour rendition properties and long battery life. Dermatologists and veterinarians can look forward to the powerful Wood's light, which is available as an option to the daylight mode. But also users in other medical areas or in industry, will find the new OPTICLUX hand magnifier light their everyday life.







OPTICLUX Hand technical data



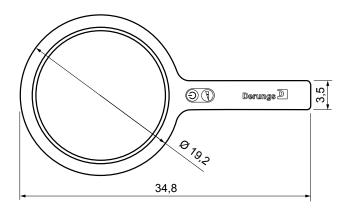
-10%/+20% tolerance

同 是 及7回	Color tem
黑海海黑	Lens diar
2800028	Color ren
\$ 120 06127	Usage
	Class of p
Ten tack series	Norms
derungs.swiss/opticlux-hand	System o

Luminious power *	8 000 lux @ 0.15 m
Color temperature *	6 500 K
Lens diameter *	Ø 16 cm
Color rendering index Ra	95
Usage	keypad at luminaire head
Class of protection	II
Norms	IEC 60601-1, IEC 60601-1-2
System of protection	IP 20
Special features	dimmable, maintenance-free, rechargeable battery with USB C charging interface, Wood's light mode (optional), lens cover

OPTICLUX Hand









OPTICLUX Hand - manual version	Connection	Special features	Order No.
OPTICLUX Hand 10-2 UV (Wood's light)	battery-powered manual version	dimmable, Wood's light	D16.005.000-807073 - EURO
OPTICLUX Hand 10-1 DL	battery-powered manual version	dimmable	D16.004.000-807072 - EURO



ErgonomicOptimal handling for right- and left-handers



Easy to handleKeypad on the handle with stepless dimming controls



Outstanding light
Unique light output with 8 000 lx at 0.15 m for a true-to-life color rendering





Battery powered Up to 3 hours runtime, convenient charging through USB-C port



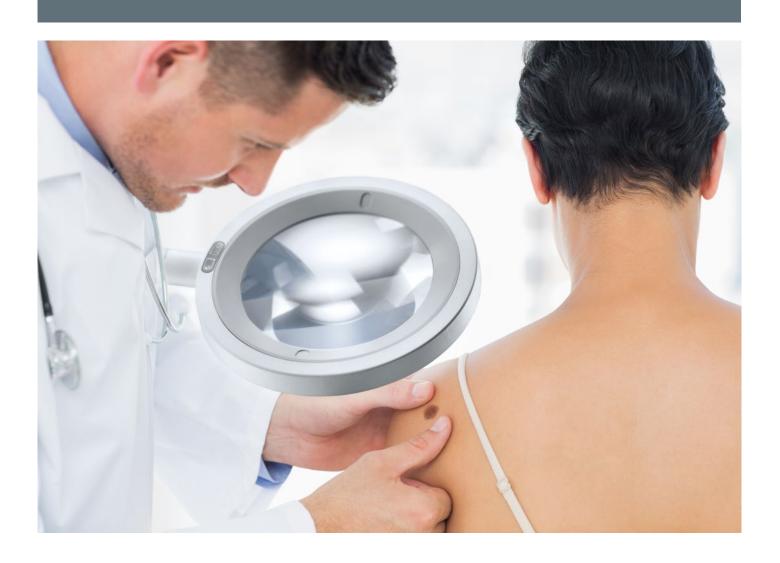
Especially for dermatology * Two lighting modes in one device: optional Wood's light for examining skin variations, lesions and pigment changes



Optimally protected High quality felt cover protects the lens from scratches and sun exposure

MAGNIFIER LUMINAIRE OPTICLUX









Ceiling

Wall





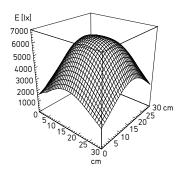
Universal

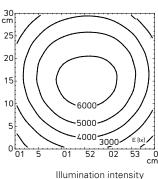
Roller stand Cable

OPTICLUX magnifier luminaires combine a robust magnifying glass with outstanding light quality and ergonomic operation. As a proven medical device, they can be versatilely used in dermatology, clinics and practices for dental, human and veterinary purposes, in laboratories and in the monitoring of sterilization goods.

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-10%/+20% tolerance

OPTICLUX 10 technical data

Luminious power *	6 000 lux @ 0.15 m
Color temperature *	6 500 K
Lens diameter *	Ø 16 cm
Color rendering index Ra	95
Usage	keypad at luminaire head
Class of protection	ceiling version I, pin version II
Norms	EN 60601-1, EN 60601-2-41
System of protection	IP 20
Special features	dimmable, maintenance-free,

Wood's light mode (optional), lens cover

* -10% / +20% tolerance

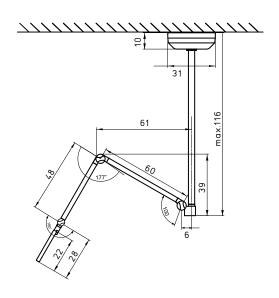
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OPTICLUX



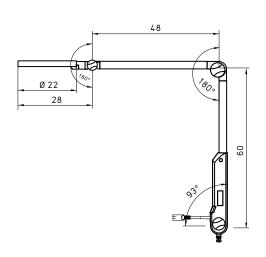




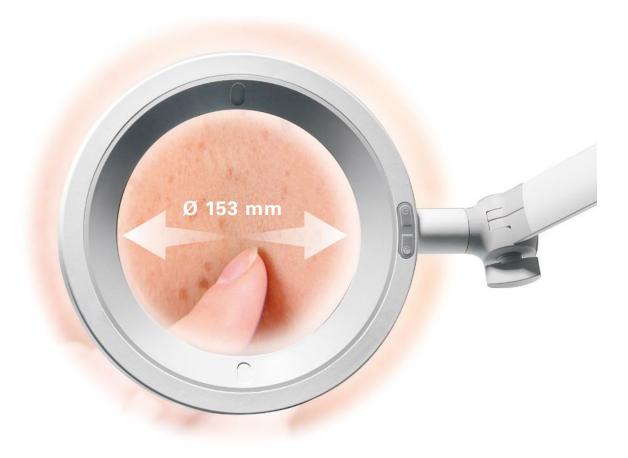


OPTICLUX 10-2 C T1 direct power supply dimmable, Wood's light D15.816.000-00752633 OPTICLUX 10-1 C T1 direct power supply dimmable D15.817.000-00752639	OPTICLUX 10 – Ceiling version	Connection	Special features	Order No.
OPTICLUX 10-1 C T1 direct power supply dimmable D15.817.000-00752639	OPTICLUX 10-2 C T1	direct power supply	dimmable, Wood's light	D15.816.000-00752633
	OPTICLUX 10-1 C T1	direct power supply	dimmable	D15.817.000-00752639





OPTICLUX 10 – Pin version	Connection	Special features	Order No.
OPTICLUX 10-2 P TX	1.8 m cable, Euro	dimmable, Wood's light	D15.814.000-00752615 - EURO D15.851.000-00752645 - UK
OPTICLUX 10-1 P TX	1.8 m cable, Euro	dimmable	D15.815.000-00752618 - EURO D15.850.000-00752642 - UK





Excellent field of vision

Due to large magnifier diameter (Ø 160 mm, 3.5 dpt) and strong, dimmable illumination (6 000 lx / 0.15 m)



Reliable color rendering

Premium 6 500 K LEDs ensure less shadow formation and optimal color rendering (CRI / Ra ≥ 95, R9 = 90, R13 = 95)



Special for dermatology *

Two lighting modes in one device: optional UV-A (wood's light) for examining fluorescent lesions and pigment changes



Ergonomic handling

Spring balanced arm and internal friction joints allow smooth handling without the luminaire head sinking



Long service life

High-quality, scratch-resistant acrylic lens and precision components guarantee long service life



Flexible positioning

Long luminaire arm allows a broad reach up to 142 cm

*Depending on version







HAND GRIPS

Hand grip	TRIANGO 100, TRIANGO 80		
	suitable for	Specifications	Order No.
Hand grip	TRIANGO 80	sterilizable	D10.295.000-00703690
Hand grip	TRIANGO 100	sterilizable	D10.442.000-00802948
Hand grip	TRIANGO 100, TRIANGO 80		D15.445.000-00714913
	sterilizable hand grip TRIANGO 80	sterilizable disposable hand grip grip cover for all TRIANGO 100 TRIANGO models	

FASTENING HARDWARE

RAIL MOUNT GYNAECOLOGY CHAIR HALUX N50 / N30				
	Material	Specifications		Order No.
6	aluminum	natural anodized	0.16 kg	D10.127.000-00809569
-		th 16 mm with removal guard		



FASTENING HARDWARE

Table clamp	VISIANO 20, VISIANO 10, HALUX LED 20, OPTICLUX 10								
	Material	Specification	ıs		Order No.				
a	polyamide steel	black	0.350 kg	0–70 mm	D14.228.000-00625467				
#	For luminaires with 1	For luminaires with 16 mm pin fastening.							

Universal mount	VISIANO 20, VISIANO	VISIANO 20, VISIANO 10, HHALUX N50 / N30, OPTICLUX 10							
	Material	Specifications			Order No.				
6	polyamide GF	pure white	0.09 kg	60 x 60 x 60 mm	D13.430.000-00627986				
For luminaires with 16 mm pin fastening.									

Rail clamp	VISIANO 20, VISIANO 10, HA	NO 20, VISIANO 10, HALUX N50 / N30, OPTICLUX 10							
	Material	Specifications			Order No.				
	aluminum	natural anodized	0.16 kg	25–35 x 8 – 10 mm	D13.269.000-007069				
4	For luminaires with	16 mm pin fastening.							

Wall bracket	VISIANO 20, VISI	VISIANO 20, VISIANO 10, HALUX N50 / N30, OPTICLUX 10						
	Material	Specifications		Order No.				
9,0,0	polyamide GF	pure white	0.14 kg	D13.231.000-00522182				
For luminaires with 16 mm pin fastening.								

Wall bracket	VISIANO 20, VIS	VISIANO 20, VISIANO 10, HALUX N50 / N30, OPTICLUX 10						
	Material	Specifications		Order No.				
	aluminum	pure white	0.15 kg	D15.435.000-00659957				
		For luminaires with 16 mm pin fastening.						



FASTENING HARDWARE

Standard wall track system 25 x 10 mm	VISIANO 20, VISIANO 1	VISIANO 20, VISIANO 10, HALUX N50 / N30, OPTICLUX 10					
Standard: EN ISO 19054	Material	Specifica	ations	Order No.			
	aluminum natural anodized	2.5 kg	length 1 m, incl. 2 mounts	D13.505.000-00647049			
	aluminum natural anodized	2.5 kg	length 1.5 m, incl. 3 mounts	D13.506.000-00630687			
	80 mm double mount for wall track	2.5 kg	complete project-related lengths on request, up to 6	D56.045.000-00647052 m			
	Ra	ail clamp		mount for connecting wall tracks			
44 60							

Intermediate ceiling adapter		TRIANGO 100, TRIANGO 80, VISIANO 20, OPTICLUX 10			
	Material	Specifications		Order No.	
Ø30.5	steel	max. 93 cm, 28 kg	shortening on request as needed	D15.074.000-00632785	
01-5	11 max. 93				



FASTENING HARDWARE

Roller stand	VISIANO 20, VISIANO 10, HALUX N50 / N30, OPTICLUX 10						
	Material	Specifications			Order No.		
	steel For luminaires v	Tube: white Base: plastic Casters: plastic double casters, with 5 brakes vith 16 mm pin fastening.	7.5 kg	1 m, Ø 700 mm	D15.595.000-00656247		

OTHER ACCESSORIES

Extension arm	,	VISIANO 20, VISIANO 10, HALUX N50 / N30, OPTICLUX 10					
	Material	Specifications			Order No.		
	powder-coated steel / steel pipe	pure white	approx. 0.65 kg	400 m, Ø 16 mm	D13.363.000-00647314		
	For luminaires with 1						

Notes

GERMANY Tel. +49 7720 601-0

Tel. +49 7720 601 - 100 (Sales)

Fax +49 7720 601 - 290 www.waldmann.com

sales.germany@waldmann.com

FRANCE

Waldmann Eclairage S.A.S. Zone Industrielle Rue de l'Embranchement 67116 REICHSTETT

FRANCE Tel. +33 3 88 20 95 88 Fax +33 3 88 20 95 68

www.waldmann.com info-fr@waldmann.com

ITALY

Waldmann Illuminotecnica S.r.l. Via della Pace, 18 A 20098 SAN GIULIANO MILANESE (MI) ITALY

Tel. +39 02 98 24 90 24 Fax +39 02 98 24 63 78 www.waldmann.com info-it@waldmann.com

THE NETHERLANDS

Waldmann B.V. Lingewei 19 4004 LK TIEL THE NETHERLANDS Tel. +31 344 631019 Fax +31 344 627856 www.waldmann.com info-nl@waldmann.com

AUSTRIA

Waldmann Lichttechnik Ges.m.b.H. Gewerbepark Wagram 7 4061 PASCHING/LINZ AUSTRIA

Tel. +43 7229 67400 Fax +43 7229 67444 www.waldmann.com info-at@waldmann.com

SWEDEN

Waldmann Ljusteknik AB Botvid Business Center Fågelviksvägen 9 SE-145 53 NORSBORG SWEDEN Tel. +46 8 990 350

Fax +46 8 991 609 www.waldmann.com info-se@waldmann.com

SWITZERLAND

Waldmann Lichttechnik GmbH Benkenstrasse 57 5024 KÜTTIGEN SWITZERLAND Tel +41 62 839 1212 Fax +41 62 839 1299 www.waldmann.com info-ch@waldmann.com

USA

Waldmann Lighting Company 9 W. Century Drive WHEELING, ILLINOIS 60090 USA

Tel. +1 847 520 1060 Fax +18475201730 www.waldmannlighting.com waldmann@waldmannlighting.com

CHINA

Waldmann Lighting (Shanghai) Co., Ltd. Part A11a, No. Five Normative Workshop 199 Changjian Road, Baoshan SHANGHAI, P.R.C. 200949 CHINA

Tel. +86 21 5169 1799 Fax +86 21 3385 0032 www.waldmann.com.cn info-cn@waldmann.com

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Center for Expertise in Healthcare

Derungs Licht AG

Hofmattstrasse 12 9200 Gossau Switzerland

Tel. +41 71 388 11 66 Fax +41 71 388 11 77 www.derungs.swiss mailbox@derungs.swiss

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