



**MedicaLight™**



**SURGERY AND EXAMINATION LIGHTING**

ELECTRONIC SAFETY TRANSFORMER	ETL, UL, CAN/CSA	 
All Sunnex light bulbs are long lasting, with an average lifetime of minimum 2,000 hours		





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## About Sunnex MedicalLight™

### **Sunnex MedicalLight™**

For over 30 years, Sunnex has manufactured lighting products that set the standard for quality and durability. The MedicalLight™ product range was developed with the user and patient in mind and offers excellent versatility and ease of use. Sunnex has created a comprehensive product line that meets the needs of even the most demanding medical environments.

The MedicalLight™ product range features solutions for surgical suites, doctors offices, and provides state of the art technology for specialty applications such as interventional MRI. Sunnex medical lighting offers flexible, modular arm systems and compact designs for easy installation and operation.

In addition, there may be instances where a light needs to be integrated into examination tables, chairs, head walls, trolleys and equipment. Sunnex is the market leader in OEM services and has successfully developed custom solutions for both medical equipment manufacturers and end users.

All Sunnex lights are backed by an extensive 3 year warranty on performance and parts, and the Company offers a lifetime customer support guarantee.



## Surgical and Procedure Lighting

### Surgical and Procedure Lighting - Introduction

All Sunnex Surgical and Procedure Lighting offer high performance and flexibility. With modular arm systems, Sunnex products allow precise, compact installation and operation and the use of both innovative reflector and multi-bulb light source technologies give our lights market leading versatility.

The space saving design will turn even the smallest room into a surgical suite. These products are built on the successful SunSurgery™ and Celestial Star™ brands which are specifically designed for areas such as ICU, NICU, Trauma, Plastic Surgery and Dermatology, Emergency Rooms and Surgical Centers.

With a broad range of Surgical and Procedure Lighting, Sunnex can meet almost any customer need or application.

**SunSurgery™** (Ceiling, Dual Ceiling, Combo Ceiling, Wall, Mobile, Fiber Optic, Battery Back-up)

**Celestial Star™** (Ceiling, Dual Ceiling, Wall, Mobile) >>>

## SunSurgery™

SunSurgery™ is ideal for surgical applications where shadow management is crucial. This product offers excellent shadow control, superior depth of field and a higher color temperature for tissue clarity.

The modular arm system offers extension arms for tall ceilings, a track system and the option of dual arms in combination with the SunSpot™ product.



## SUNSURGERY™ FEATURES

- >>> Available in ceiling, dual ceiling, combo ceiling, wall, mobile and battery back up configurations
- >>> Prefocused 150 mm at 1.0 meter
- >>> IR absorbing color-correcting glass cylinder
- >>> Easily replaceable, long life 90W Halogen bulb
- >>> 710 mm articulating arm +/-40° vertical adjustment
- >>> 585 mm extension arm
- >>> Optional ceiling track offers 1500 mm of extended reach
- >>> Sterilizable handle



Mobile

### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC

**Light intensity:** Up to 72.000 Lux/6,600 Footcandles

**Light source:** Halogen bulb 12V/90W

**Light color temperature:** Up to 4,000 Kelvin

**Color:** White – RAL 9002

<b>Configurations:</b>	Ceiling	Dual C.	Wall	Mobile	Combo	FO	Battery
<b>Weight:</b>	28.0 kg	43.7kg	11.7 kg	39.2 kg	42.2 kg	0.5 kg	25.0 kg

<b>Ceiling</b>	Art. No.: <b>28506</b>
<b>Ceiling with Battery Back-up</b>	Art. No.: <b>28522</b>
<b>Dual Ceiling</b>	Art. No.: <b>28507</b>
<b>Wall</b>	Art. No.: <b>28504</b>
<b>Wall with Battery Back-up</b>	Art. No.: <b>28520</b>
<b>Mobile</b>	Art. No.: <b>28505</b>
<b>Mobile with Battery Back-up</b>	Art. No.: <b>28521</b>
<b>Combo Ceiling SunSurgery/SunSpot</b>	Art. No.: <b>28516</b>
<b>Combo Ceiling SunSurgery/SunSpot with Fiber Optic</b>	Art. No.: <b>28517</b>
<b>Single Trolley Ceiling Track</b>	Art. No.: <b>28518</b>
<b>Dual Trolley Ceiling Track</b>	Art. No.: <b>28519</b>



Dual Ceiling



Wall

## Celestial Star™

The Celestial Star™ is ideal for surgical applications and procedures where maneuverability and compact design are key requirements. The light offers excellent performance in a compact package, very low maintenance and market leading reach and flexibility.

The Celestial Star™ mobile has significant advantages for mobile surgical applications. It's counter-balanced arm design makes it is extremely easy to move around.



## CELESTIAL STAR™ FEATURES

- >>> Available in ceiling, dual ceiling, wall and mobile configurations
- >>> Low maintenance, space-saving design
- >>> 730 mm extension arm (optional 990 mm arm available) for maximum reach
- >>> 720° rotation allows head-to-toe coverage
- >>> Drift free balance arm with easy positioning
- >>> 3x35W long life Halogen bulbs (average 4,000 hours)



Mobile

## TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC

**Light intensity:** Up to 64,500 Lux/6,000 Footcandles

**Light source:** Halogen bulb – Dichroic 12V/3x35W/10°

**Light color temperature:** Up to 4,100 Kelvin

**Medical standards:** FDA Class II

**Color:** White – RAL 9002

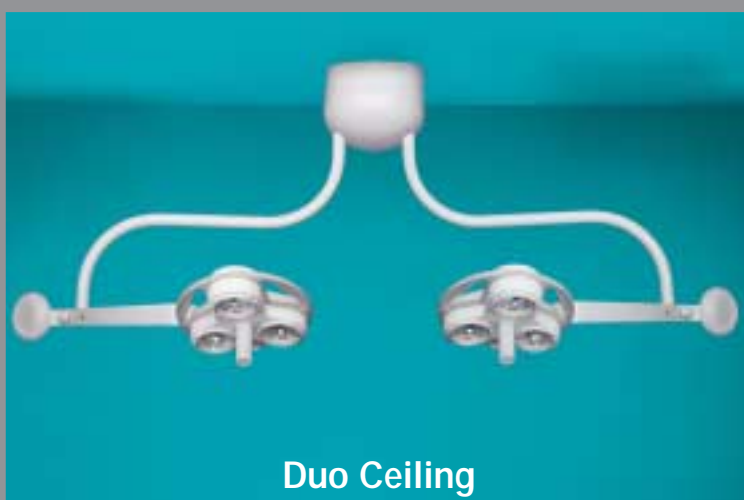
Configurations:	Ceiling	Dual Ceiling	Wall	Mobile
Weight:	23.6 kg	47,2 kg	17.3 kg	24.3 kg

Ceiling	Art. No.: <b>CS2050C</b>
Dual Ceiling	Art. No.: <b>CS2050D</b>
Wall	Art. No.: <b>CS2050W</b>
Mobile	Art. No.: <b>CS2050M</b>
Color Correction Filter	Art. No.: <b>18676</b>

**Note!** 3 filters are required. Increases the color temperature to 4,100 Kelvin.



Wall



Duo Ceiling



## Examination and Specialty Procedures

### Examination and Specialty Procedure - Introduction

Sunnex Examination and Specialty Procedure Lighting offer excellent performance and value. The mobile versions provide height adjustability and compact design, promoting ease of use in tight spaces. These lights offer a wide variety of installation options for tall ceilings and small offices.

Sunnex variable spot lights enable users to focus and dim the light to meet their specific needs. Flexible mounting options also make these lights ideal for OEM applications.

**TriStar™** (Wall, Mobile)

**SunExam™** (Ceiling, Wall, Mobile)

**SoloSpot™** (Wall, Rail, C-clamp, Mobile)

**SunSpot™** (Ceiling, Wall, Mobile, Fiber Optic accessory)

**PF** (Ceiling, Wall, Direct Mount, Mobile)

**HM** (Ceiling, Wall, C-clamp, Table, Mobile, Mobile Light, Floor)

**RLM** (Wall, Rail, C-clamp, Mobile) >>>

## TriStar™

Excellent performance and great value is what the TriStar™ has to offer. Ideal for medical procedures in environments where space is limited, and the range of procedures performed is broad. The unique telescoping pole offers height adjustment and the TriStar™ is one of the only products in the market with this functionality.

### TRISTAR™ FEATURES

- >>> Available in wall and mobile configurations
- >>> Light pattern 125 mm diameter at 600 mm distance
- >>> Wall model offers 750 mm extension arm, providing 1400 mm reach to beam center
- >>> 3x20W long life Halogen bulbs (average 2,000 hours)
- >>> Mobile upright stand, raises from 685 mm to 2030 mm, via one hand control
- >>> Casters move easily across all surfaces; base design prevents tipping



Mobile

### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 42,000 Lux/3,900 Footcandles  
**Light source:** Halogen bulb – Dichroic 12V/3x20W/10°  
**Light color temperature:** Up to 4,100 Kelvin  
**Medical standards:** FDA Class II  
**Color:** White – RAL 9002

Configurations:	Wall	Mobile
Weight:	8.2 kg	11.4 kg

Wall	Art. No.: <b>TS2015W</b>
Mobile	Art. No.: <b>TS2015M</b>
Color Correction Filter	Art. No.: <b>18676</b>

**Note!** 3 filters are required. Increases the color temperature to 4,100 Kelvin.



Wall

## SunExam™

The SunExam™ Series offers a very flexible arm system with installation options for very tall ceilings if needed. The light features a compact lamp head, excellent color temperature, and high light intensity.

### SUNEXAM™ FEATURES

- >>> Large flood pattern, approximately 150 mm diameter
- >>> Easily replaceable, long life 12V/75W Halogen bulb
- >>> 710 mm articulating arm with integral compression spring
- >>> 585 mm extension arm
- >>> IR absorbing, color-correcting glass filter
- >>> Positioning handle mounted on perimeter of lamp head



### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 42,000 Lux/3,900 Footcandles  
**Light source:** Halogen Bulb 12V/75W  
**Light color temperature:** Up to 4,300 Kelvin  
**Color:** White – RAL 9002

Configurations:	Ceiling	Wall	Mobile
<b>Weight:</b>	21.6 kg	8.7 kg	33.4 kg

Ceiling	Art. No.: <b>28502</b>
<b>Wall</b>	Art. No.: <b>28500</b>
Mobile	Art. No.: <b>28501</b>



## SoloSpot™

The SoloSpot™ is ideal for applications where a focused, intense light is required. The compact, specially designed lamp head offers cool light and a focused, sharp spot. This light is perfect for direct attachment to medical equipment such as patient tables and chairs.

### SOLOSPOT™ FEATURES

- >>> Excellent maneuverability allows for easy adjustment of light
- >>> Intense 20W Halogen light source (average 2,000 hours)
- >>> 8,4 cm diameter spot pattern at 0,5 meters
- >>> Unique double filtered lens and color correction filter with lampshade extension helps keep light cool on skin and illuminate with natural skin tones and improve tissue clarity
- >>> Available in wall, rail, c-clamp and mobile configurations



### TECHNICAL DATA

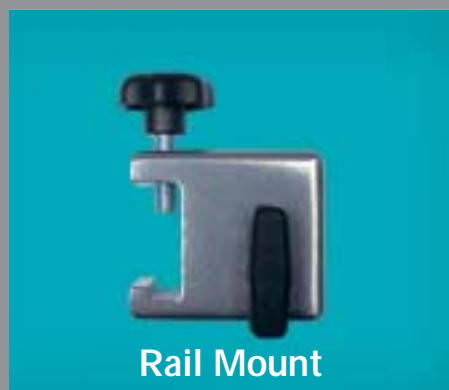
**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 25,000 Lux/2,300 Footcandles  
**Light source:** Halogen bulb – 12V/20W  
**Light color temp:** Up to 4,100 Kelvin  
**Color:** White – RAL 9002

Configurations:	Wall	Rail	C-clamp	Mobile
<b>Weight:</b>	2.8 kg	2.8 kg	2.7 kg	7.1 kg

**SoloSpot™** Art. No.: **28025**

### Mounting Options

<b>Wall</b>	Art. No.: <b>26017</b>
<b>Rail</b>	Art. No.: <b>28019</b>
<b>C-clamp</b>	Art. No.: <b>18021</b>
<b>Mobile</b>	Art. No.: <b>18468</b>



## SunSpot™

Designed for applications where high intensity and very focused lighting is required, the SunSpot™ offers a full range of options including extended ceiling mounts, dimmer functionality, and adjustable spot size. A fiber optic light source is available as an option as well for attachment of fiber optic headlights or instruments.



## SUNSPOT™ FEATURES

- >>> Continuously adjustable spot from 75 to 405 mm diameter
- >>> Sterilizable handle
- >>> Mechanical iris dimmer provides constant purity of light without affecting color temperature
- >>> Fiber optic option provides a four position turret for connection to fiber optic head lamps or instruments (ACMI, Storz, Olympus, Wolf)
- >>> IR absorbing, color-correcting glass filter



## TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 21,500 Lux/2,000 Footcandles  
**Light source:** Halogen bulb 20V/150W  
**Light color temperature:** Up to 3,200 Kelvin  
**Color:** White – RAL 9002

Configurations:	Ceiling	Wall	Mobile	Combo	FO
<b>Weight:</b>	26.7 kg	10.7 kg	31.7 kg	42.2 kg	0.5 kg

<b>Ceiling</b>	Art. No.: <b>28510</b>
<b>Wall</b>	Art. No.: <b>28508</b>
<b>Mobile</b>	Art. No.: <b>28509</b>
<b>Ceiling with Fiber Optic</b>	Art. No.: <b>28514</b>
<b>Wall with Fiber Optic</b>	Art. No.: <b>28512</b>
<b>Mobile with Fiber Optic</b>	Art. No.: <b>28513</b>
<b>Combo Ceiling SunSurgery/SunSpot</b>	Art. No.: <b>28516</b>
<b>Combo Ceiling SunSurgery/SunSpot with Fiber Optic</b>	Art. No.: <b>28517</b>



## PF series – Multipurpose Examination lights

### PF FEATURES

- >>> Available in ceiling, wall and mobile configurations
- >>> Swivel joint lamp head allows for easy vertical and horizontal adjustment of light
- >>> Adjustable arm levers allow for easy vertical and horizontal positioning
- >>> Choice of articulated arm or flexible gooseneck models

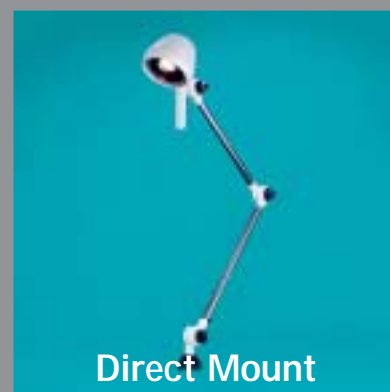


### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 43,000 Lux/4,000 Footcandles  
**Light source:** Halogen bulb – Dichroic 12V/50W/10°  
**Light color temp:** Up to 3,000 Kelvin  
**Color:** White – RAL 9002

Configurations:	Ceiling	Wall	Direct Mount	Mobile
<b>Weight:</b>	8.0 kg	7.7 kg	2.0 kg	10.4 kg

<b>Ceiling</b>	Art. No.: <b>PF2017-44</b>
<b>Wall</b>	Art. No.: <b>PF2015-44</b>
<b>Direct Mount</b>	Art. No.: <b>PF28010</b>
<b>Mobile, articulated arm</b>	Art. No.: <b>PF2016-44</b>
<b>Mobile, gooseneck arm</b>	Art. No.: <b>PF2006-32</b>



## HM series – Multipurpose Examination lights

### HM FEATURES

- >>> Available in wall, c-clamp, table and mobile configurations
- >>> Compact, vented shade minimizes heat output
- >>> Stay cool finger guard for easy adjustment of light
- >>> Swivel joint lamp head allows 359° axial rotation and 90° angular adjustment



### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 27,000 Lux/2,500 Footcandles  
**Light source:** Halogen bulb – 12V/20W  
**Light color temp:** Up to 3,100 Kelvin  
**Color:** White – RAL 9002

Configurations:	Ceiling	Wall	C-clamp	Table	Mobile	Mobile light	Floor
<b>Weight:</b>	2.8 kg	2.8 kg	0.9 kg	2.8 kg	7.2 kg	6.2 kg	3.8 kg

<b>Ceiling</b>	Art. No.: <b>HM28007-2,5/2,7/3,0</b>
<b>Wall</b>	Art. No.: <b>HM28002W</b>
<b>C-clamp</b>	Art. No.: <b>HM741-20W</b>
<b>Table</b>	Art. No.: <b>28013</b>
<b>Mobile, articulated arm</b>	Art. No.: <b>HM28009W</b>
<b>Mobile light, gooseneck arm</b>	Art. No.: <b>HM1006-37W</b>
<b>Floor</b>	Art. No.: <b>28014</b>



## RLM – Magnifiers for closer inspection

This magnifying light offers durability and performance in an economical package.

### RLM FEATURES

- >>> 5 diopter (2.25X) magnification
- >>> 22W Fluorescent ring light tube
- >>> Optional 5diopter add-on lens available
- >>> Available in standard, C-clamp, or optional mobile version



### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC

**Light intensity:** Up to 10,500 lux/1,000 Footcandles

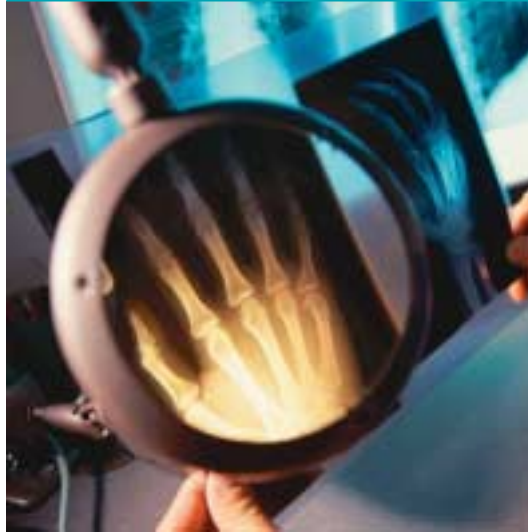
**Light source:** 22W Fluorescent tube

**Light color temp:** Up to 4,000 Kelvin

**Colour:** White – RAL 9002

<b>Configurations:</b>	C-clamp	Mobile
<b>Weight:</b>	6.8 kg	10.0 kg

<b>C-clamp</b>	Art. No.: <b>RLM-CL-230V</b>
<b>Mobile</b>	Art. No.: <b>RLM-CLT-230V</b>
<b>Add-on lens, option</b>	Art. No.: <b>RLM-5XMAG</b>



## MRI Compatible Lighting

### MRI Compatible Lighting – Introduction

Our innovative MRI compatible surgical and procedure lighting brings the functionality of high intensity lighting systems into the MRI suite. Whether you are building a new, state of the art, interventional MRI suite or enhancing the lighting conditions in an existing MRI facility, Sunnex MRI lighting will meet your every need.

The Celestial Star™ surgery light is carefully designed for optimal performance while maintaining a safe working environment for physicians and patients inside the MRI suite. This light is ideal for interventional and MRI guided surgical procedures.

The PF series examination light offers convenient high intensity lighting, allowing the physician to safely perform minor medical procedures such as IVs or biopsies, inside the MRI room.

**Celestial Star™ MRI** (Ceiling, Mobile)

**PF MRI** (Mobile) >>>

## Celestial Star™ MRI

The Celestial Star™ MRI brings the performance of a surgical light into the MRI suite. Excellent flexibility and reach combined with high performance and space saving design makes the Celestial Star™ MRI ideal for these facilities. Unlimited positioning and market leading vertical and horizontal reach allow for optimal functionality around the bore. “No tool” service minimizes risk and the compact design limits obstruction of the work area around the MRI equipment.

### CELESTIAL STAR™ MRI FEATURES

- >>> Available in ceiling and mobile configurations
- >>> Tested for MRI compatibility
- >>> 730 mm extension arm (optional 990 mm)
- >>> 720° rotation and head-to-toe coverage
- >>> Drift free balance arm with unlimited positioning
- >>> Easily replaceable, long life 3x35W Halogen bulbs



### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 64,500 Lux/6,000 Footcandles  
**Light source:** Halogen bulb – Dichroic 12V/3x35W/10°  
**Light color temperature:** Up to 4,100 Kelvin  
**Medical standards:** FDA Class II  
**Color:** White – RAL 9002

<b>Configurations:</b>	Ceiling	Mobile
<b>Weight:</b>	23.6 kg	24.3 kg

<b>Ceiling</b>	Art. No.: <b>CS 2050C-MRI</b>
<b>Mobile</b>	Art. No.: <b>CS2050M-MRI</b>
<b>Color Correction Filter</b>	Art. No.: <b>18676</b>

**Note!** 3 filters are required. Increases the color temperature to 4,100 Kelvin.



## PF series MRI

This unique exam light is designed for use in any MRI facility. Made of durable, non-magnetic materials, this mobile light is ideal for imaging centers, radiology departments, and CAT/PET Scan labs and clinics.

### PF MRI FEATURES

- >>> Tested for MRI compatibility
- >>> Powerful, 50W Halogen light source
- >>> Adjustable jointed arm for easy positioning
- >>> Mobile caster base with easy-glide wheels
- >>> Weighted base for added stability



### TECHNICAL DATA

**Power supply:** 230-240V 50 Hz AC or 120V 60 Hz AC  
**Light intensity:** Up to 43,000 Lux/4,000 Footcandles  
**Light source:** Halogen bulb – Dichroic 12V/50W/10°  
**Light color temp:** Up to 3,000 Kelvin  
**Color:** White – RAL 9002

**Configurations:** Mobile

**Weight:** 18.0 kg

**Mobile**

Art. No.: **PF28016-M**

## Custom lighting solutions

In many cases a light must be an integrated component on examination tables, chairs, head walls, trolleys and equipment. Sunnex specializes in OEM services and has successfully developed custom solutions for both medical equipment manufactures and end users.

Sunnex has developed and manufactured specialty lightning for more than three decades, and we can customize lighting for almost any medical equipment or environment. Some of the world's leading manufactures of hospital equipment rely on Sunnex for its expertise in this area.



### CASE 1

The surgeon needs a dark environment in order to see the screen properly. The anaesthetist needs high quality illumination to properly read the instruments and give infusion. Both have to work in the same room, simultaneously.

The solution is a spotlight attached to the anaesthesia equipment. With a flexible lamp head that can be positioned at any angle, it gives a bright but focused spotlight pattern. This results in the room remaining dark while providing the right amount of light needed for the anaesthetist to do the job.





## CASE 2

Many bedbound patients are well enough to be treated in a nursing home, or even at home provided the bed is vertically adjustable.

The Customer needed a light that would be both safe and flexible. The solution is a gooseneck lamp with a special mount that is attached to a corner socket on the head of the bed.

The flexible arm allows the light to follow each movement of the bed, combining illumination with flexibility and safety.



## CASE 3

A heart-lung machine demands both intense light and an extremely flexible arm that can be positioned at any angle, to monitor the pump, blood and instruments properly.

In addition, the heat output must be kept at a minimum so that the plastic hoses do not melt.

The solution is a spotlight attached to the heart-lung machine. Supplying a bright, shielded spotlight pattern it has a unique design that minimises the heat output.



## Professional lighting is more than meets the eye.

For over 30 years, Sunnex has provided the finest lighting products, designed for durability and high-performance and has offered a wide variety of models and configurations, from compact models for small spaces to moisture-proof models for harsh environments.

Sunnex sales and service representatives are located in over 40 countries worldwide, with its European headquarters in Stockholm, Sweden.

Sunnex is an ISO 9001:2000 registered company.

Visit our web site

[www.sunnexmedical.com](http://www.sunnexmedical.com)



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