Etkin
TIBBİ CİHAZLAR

For more than seeing...

General Catalogue

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Company Profile

Etkin Tıbbi Cihazlar was established in 1996 as a medical device sales and service company. Since its establishment, Etkin Tıbbi Cihazlar has adopted high quality and trustworthy customer service as the company's main philosophy.

Etkin Tıbbi Cihazlar started manufacturing and sales of the LED surgical lighting systems in 2012 and has become one of the renowned brands in the world.

In the Turkish market the company is a medical device importer and seller as well, and it performs in the areas of intensive care room equipment, operating room equipment supplies, radiology devices, anesthesia, surgery, gynecology, pediatrics and sterilization. Etkin Tıbbi Cihazlar is a proud provider of high quality and trustworthy customer service and technical support for the health care institutions, with an expertise in serving the operating rooms and ICU rooms. Currently LED surgical light products constitute the sole international business product line for exports.

Our History

Turkey's First Surgical Lights Manufacturer

1996 **Establishment of Etkin Tıbbi Cihazlar**

"ETC Development Project" supported by Izmir DevelopmentAgency was concluded successfully.

2010

2011 "LED Based Surgical Examination Lighting System Project" supported by TÜBİTAK and "Ionze EDC Radiation Shielding Plate" supported by TÜBİTAK were successfully concluded.

"ETC Marketing and Technical Services Development Project" supported by KOSGEB has been successfully concluded. Factory investment has started in Çigli Atatürk Industrial Zone. Production ofLED surgical lights has started.

2012

2013 "Sahara LED Based Surgical Operation Light Project" supported by TÜBİTAK was successfully completed. It was among the "100 Fastest Growing Companies in Turkey" under the leadership of AllWorld Network and TOBB and with the support of TEPAV. Sales teams were established nd liaison offices were opened in Istanbul and Ankara.

Export process initiated.

2014

2015 It became the sole distributor of Hamilton Medical AG in Turkey.

DEPARK Teknokent office's activities started.

2016

2018 Within the scope of 1501 Program "Technology Development Project of LED Surgical Light" was initiated supported by TÜBİTAK .

Common Main Features

Shadowless Lighting

Ergonomic light head design feature minimizes the probable shadow of the head or shoulders of the surgical personnel interfering in the operation area.
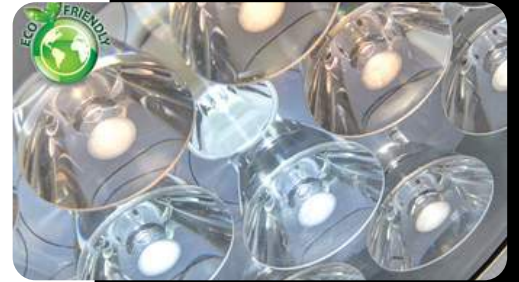
Vibration-Free Lighting

Ability to adjust flicker-free lighting without any changes in color.

Low Power Consumption

Thanks to the fresnel structure, decrement of lighting is minimized and all power is focused on the lighting area.

Stable And Unchanging Lighting

In case of failure in any LED/Module, the other LEDs continue illumination maintaining the light intensity.

High CRI Value

Thanks to its high CRI value, the operation area can be seen in its true color tone, tissues and organs can be quantified down to the finest details, and with its high CRI R9 and CRI R13 values, it provides contrast-rich and natural illumination for the surgery without compromising the true tones of the tissues.

*Elite, Pergamon+, Smyrna+, Anka+, Kayra+ and Hera+ common features

04

Common Main Features

Internal & External Endoscopic Mode

External and internal endoscopy mode are used for comfortable lighting during closed operations such as endoscopy and laparoscopy.

High Level Design: Environmentally Friendly-User Friendly-Ergonomic

High quality components are integrated with innovative design and successful engineering in all products for superior lighting and long-lasting high performance thanks to environmentally-friendly, user friendly, and ergonomic.

IP54 Protection

Light heads are resistant to dust and liquid at IP54 level.

The Latest Technology Led Chip

LED chip technology that provides a minimum life of 60,000 hours, regardless of color and light intensity used.

Color Temperature Adjustment (Kelvin)

Ideal illumination is provided while color temperature can be adjusted according to tissue and operation type; eye fatigue, glare and similar negativities effects that may be experienced with conventional lights are inhibited.
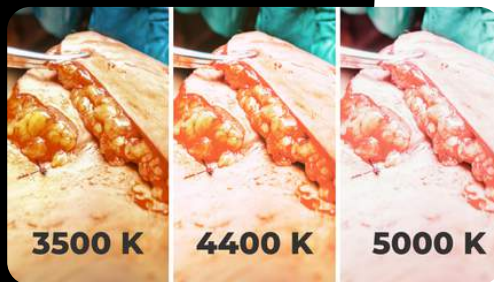
*Elite, Pergamon+, Smyrna+, Anka+, Kayra+ and Hera+ common features

Integration Systems

Etkin Tibbi Cihazlar offers innovative and fully compatible surgical lights to be integrated with all solutions you needs.

Remote Control System

Lighting systems can be controlled from outside the operation area with a Wall Control Panel, Remote Control, and a mobile tablet. All heads can be controlled synchronously from a single control panel; Meanwhile, they can be adjusted separately.
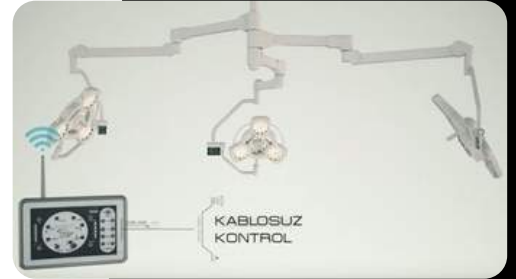
Laminar Flow

Light head design provides ideal laminar airflow to manage air turbulence to minimize bacterial contamination.

DUCOP®-Double Sided Control Panel

This feature enables bilateral use of the control panel without the necessity of making any changes on the location of the operation team members.

*Elite, Pergamon+, Smyrna+ common features

UHD/FULL HD Camera Integration

Uninterrupted high resolution image of 3840x2160 or 1920x1080 transfer to all imaging devices is provided for the purpose of consulting and training.

Camera: Perfect Image And Wireless Transmission

Wireless camera feature combines existing Full HD and Ultra HD camera technology with the advantage of encrypted and wireless communication.

The high-resolution images can then be transmitted to a main receiver or multiple installers without the need for any additional cables. Camera features also be controlled from wall control panel or a tablet.

Touch Control Panel

With the control panel option, where camera can also be controlled, there is no need for an additional camera control unit. Durability is ensured without sacrificing ease of use with the uniquely designed control panel consisting of touch-sensitive buttons.

Wireless Camera And Camera Infrastructure

With its wireless camera infrastructure and camera technology, the systems is ready to use without the need for any equipment necessary for assembly in the installation and removal of the camera. Lights with camera can be equipped with sterilizable handles.

*Elite, Pergamon+, Smyrna+ common features

Accessories

UHD(4K) Camera

Full HD Camera

Sterilizable Handle

Sterilizable Camera Cover

Wall Control Panel (Wired)

Wall Control Panel (Wireless)

Monitor Carrier Arm

Medical Monitor

Remote Control

Battery

Recorder

Conventor

Optional Features

Wireless Camera

DUCOP

Memory Function

Automatic Light Field Management (ALM)

External Endo Mode

Color Temperature Adjustment (Kelvin)

Automatic Shadow management (ASM)

Sterile Control With Multifunctional Handle

Organ Program

Synchronization

ETC Elite

SERIES

Elite Series operating lights provide solutions with various head mounting styles. Elite series can provide 160,000 lux illumination with minimum power consumption through high energy efficiency.

Sterilizable Handle
Can be sterilized at 134ºC in autoclave

IP 54
Light heads are resistant to dust and liquid at IP54 level.

Excellent Lighting and High Performance

Elite Series surgical light, which is the first product that Etkin Tibbi Cihazlar started to produce in Turkey and export to the international market, attracts attention with its unique control panel, low power consumption, flicker-free illumination, high CRI value (>97) and color temperature adjustment.

Remote Control System

Light systems can be controlled from outside the operation area with the Wall Control Panel, Remote Control and a mobile or tablet.

UHD/FULL HD Camera

Uninterrupted high resolution image transfer of 840x2160 or 1920x1080 to all imaging devices is provided for the purpose of consultancy and training.

Wireless Camera and Camera Infrastructure

With its wireless camera infrastructure and camera technology, the systems is ready to use without the need for any equipment necessary for assembly in the installation and removal of the camera. Lights with camera can be equipped with sterilizable handles.

Full HD Medical Camera / Ultra HD Camera inside customized protective case

A sterilizable case is used to protect the camera during surgeries.

The ideal solution for narrow surgical area

Elite Series LED surgical lights provide significant support to the surgeon in narrow fields compared to other surgical lights with their manually adjustable 11-18 cm spot setting, offering shadow-free illumination in areas where surgeon intervene in neurosurgery and general surgery operations.

11-18 cm

All values conform to IEC 60601-2-41. Subject to technical and design changes without notice. Light values are subject to a measurement tolerance of ±10 %. * In accordance with IEC 60601-2-41 the max. illuminance must not exceed 160,000 lx. The measurement tolerance is therefore only -10 %. All values conform to IEC 60601-2-41. Subject to technical and design changes without notice. Light values are subject to a measurement tolerance of ±10 %. * In accordance with IEC 60601-2-41 the max. illuminance must not exceed 160,000 lx. The measurement tolerance is therefore only -10 %

Elite Series
Technical Specification

Model	Elite
Type	LED
Light Intensity	130.000 lux – 160.000 lux
Light Intensity Adjustment Level	%20–%100 10 steps*–From Control Panel
Color Temperature (K)	3.800K–4.800K*– From Control Panel
Color Temperature Adjustment Level	3 Steps* Manual / 5 Steps* Motorized
Head Diameter	65 cm
Lighthead Material	Aluminum, Antibacterial (Smooth Surfaces, Curved Corners)
Spot Adjustment	Manual / Motorized
Spot Diameter	11–18 cm
Number of LEDs	58 LEDs
Led Lifetime	>60.000 hour
CRI Ra	> 96
CRI R9	> 97
Illumination Depth(L1+L2)–20%	> 110 cm
Illumination Depth(L1+L2)–60%	> 50 cm
Temperature increase at the sugeon's head	< 1 °C
Increased temperature in the operating room area	< 1 °C
Power Consumption	40 W
Laminar Flow Compatibility	Yes
Resistance to Dust and Water	Yes, IP54
Radiant Energy	< 3,5 mW/m² Lux
Endoscopy Mode	Yes

Accessories

Optional Features

ETC Pergamon +

SERIES

We have integrated innovative solutions that improve working conditions in the operating room into Pergamon+ series.

Sterilizable Handle
Can be sterilized at 134°C in autoclave

IP 54
Light heads are resistant to dust and liquid at IP54 level.

High User Comfort with Automatic Spot and High Lighting Depth

Pergamon+ series offers the option of automatically correcting any distortion of circular homogeneity in the spot that may be caused by the distance to the surgical field. With its wide spot scale and high illumination depth, it provides the most suitable focal diameter and illumination comfort for all surgical types.

All Pergamon+ models have the feature of three spot adjustment as Wide, Mid, and Narrow using control panel. This adjustment can be done in Pergamon+ E series as electronically, while in Pergamon+ X this adjustments are both electronically and motorized. In Pergamon+ XO, as an advance model, besides these two type of adjustment, Automatic Light Filed Management Sensor (ALM) is integrated.

Remote Control System

Light systems can be controlled from outside the operation area with the Wall Control Panel, Remote Control and a mobile or tablet.

UHD/FHD Camera

Uninterrupted high resolution image transfer of 840x2160 or 1920x1080 to all imaging devices is provided for the purpose of consultancy and training.

Full HD Medical Camera / Ultra HD Camera inside customized protective case

A sterilizable case is used to protect the camera during surgeries.

Wireless Camera and Camera Infrastructure

With its wireless camera infrastructure and camera technology, the systems is ready to use without the need for any equipment necessary for assembly in the installation and removal of the camera. Lights with camera can be equipped with sterilizable handles.

Automatic Light Field Management (ALM)

It allows automatic fixation of the desired spot width above and below 1 meter (0.6m-1.5m).

HIGH Illumination DEPTH (L1+L2)

Pergamon series, with illumination depth value (L1+L2)-20% > 140 cm, ensures that light beams reach the deepest cavities of the body in a beneficial and homogeneous anner with the synchronized movement of the modules. This feature can be reached also manually with handles of Pergamon X series for users who are accustomed to conventional systems. In Pergamon+ XO series which have a higher level of technological hardware and software than conventional system, the automatic spot adjustment feature via distance sensor provided perfect operation in narrow and deep operation areas without the need for repositioning of the light.

1 m

L1 20% Ec

Ec

L2 20% Ec

CONSISTENT ILLUMINATED FIELD

AUTOMATIC Light Field Management (ALM)

The desired spot width above and below 1 meter (0.6m-1.6m) is automatically fixed. If the normal working distance is changed above or below 1 meter, automatic adjustment of the spot width is provided with the sensor technology (ALM) in the Pergamon XO series. Without the need to reposition the operating head or manually adjust the spot during surgery, the surgeon is enabled to concentrate on the operating field and work in consistent, homogeneous lighting conditions at all times.

1.9 m

1 m

0.5 m

Wide Working Distance Range

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Pergamon+ Series
Technical Specifications

| Model	Pergamon+ E	Pergamon+ X
Type	LED	LED
Light Intensity	130.000 lux – 160.000 lux	130.000 lux – 160.000 lux
Light Intensity Adjustment Level	%25-%100 10 Steps*–From Control Panel	%25-%100 10 Steps*–From Control Panel
Color Temperature (K)	3.500K–5.000K*– From Control Panel	3.500K–5.000K*– From Control Panel
Color Temperature Adjustment Level	5 Steps	5 Steps
Head Diameter	65 cm	65 cm
Lighthead Material	Aluminum, Antibacterial	Aluminum, Antibacterial
Spot Adjustment	Electronic	Electro-motorized
Spot Diameter	16–29 cm	15–30 cm
Number of LEDs	69 LEDs	69 LEDs
Led Lifetime	>60.000 hour	>60.000 hour
CRI Ra	> 96	> 96
CRI R9	> 97	> 97
Illumination Depth(L1+L2)–20%	> 91 cm	> 140 cm
Illumination Depth(L1+L2)–60%	> 61 cm	> 80 cm
Temperature increase at the sugeon's head	< 1 °C	< 1 °C
Increased temperature in the operating room area	< 1 °C	< 1 °C
Power Consumption	80 W	80 W
Laminar Flow Compatibility	Yes	Yes
Resistance to Dust and Water	Yes, IP54	Yes, IP54
Radiant Energy	< 3,5 mW/m² Lux	< 3,5 mW/m² Lux
Endoscopy Mode	Yes	Yes

Accessories

Optional Features

ETC Smyrna+

SERIES

Ultimate Lighting and Surgical Efficiency with the Most Innovative Features

Smyrna+ series has been developed based on the belief that more successful surgeries can be performed providing excellence lighting. With the most powerful LED technology, shadow-free illumination, and the integration of the most innovative features that maximize working conditions, this series allows surgeons to perform comfortable and successful surgeries.
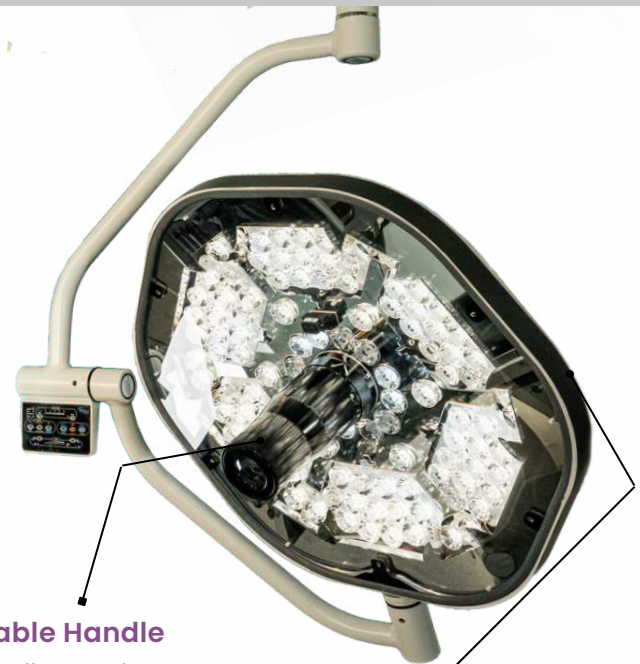
Sterilizable Handle

The handles can be sterilized in an autoclave at 134°C.

IP 54
Lighting heads are resistant to dust and liquid at IP54 level

Perfect Operation Experience with Innovative Surgical Light Infrastructure

Smyrna+ Series surgical lights, which were designed using smart sensor technologies in line with all professional experience and user feedback in the field of surgical light, offer superior performance in operation continuity with its Automatic Light Field Management (ALM), Automatic Shadow Management (ASM) and 3 independent microcontrollers in its technology.

In addition to all the features been offered in other surgical lighting series within our company, in Smyrna+ Series these features can be maximized; With its Illumination Depth value (L1+L2-20%) measured above 183 cm, it has significantly surpassed all its competitors in the international market.
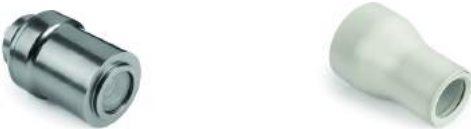
Remote Control System

Light systems can be controlled from outside the operation area with the Wall Control Panel, Remote Control and a mobile or tablet.

UHD/FHD Camera

Uninterrupted high resolution image transfer of 840x2160 or 1920x1080 to all imaging devices is provided for the purpose of consultancy and training.

Full HD Medical Camera / Ultra HD Camera inside customized protective case

A sterilizable case is used to protect the camera during surgeries.

Wireless Camera and Camera Infrastructure

With its wireless camera infrastructure and camera technology, the systems is ready to use without the need
for any equipment necessary for assembly in the installation and removal of the camera. Lights with camera can be equipped with sterilizable handles.

Automatic Shadow Management (ASM)

Any obstacles that will affect theillumination efficiency between the operating light head and the operation area are detected by the sensors and shadow formation and loss of light intensity are prevented..

Automatic Light Field Management(ALM)

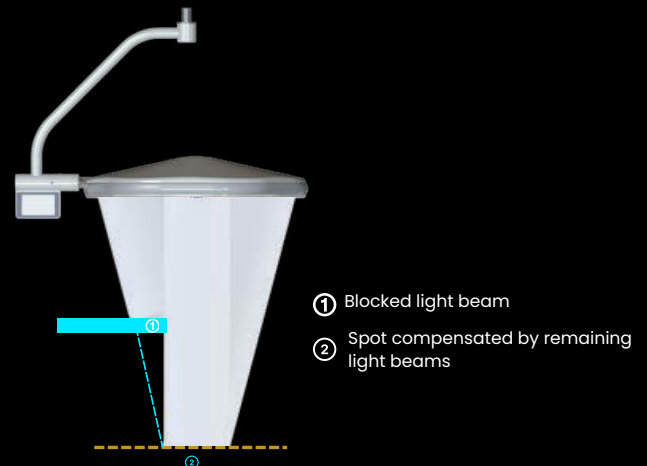It allows automatic fixation of the desired spot width above and below 1 meter (0.6m-2.3m).

Automatic Light Field Management (Alm) and High Illumination Depth

Within Smyrna+ series and Pergamon+ series, the ALM feature has been taken as an advance level. In this way, the light head can provide the automatic Light Field feature even if it is closer and/or farther away from the operation area, and the operating range is extended. Improving the working range has offered a high-level illumination depth of 185 cm, thus ensuring that even the deepest cavities within the illumination area are illuminated homogeneously, offering the user the highest level of viewing angle.

Automatic Shadow Management (ASM)

Thanks to the 6 sensors used in Automatic Shadow Management (ASM) and the hexagonal structure of the Smyrna+ series, possible shadowing that may occur due to the user blocking any LED Module during operation is prevented. Homogeneous light and focus structure are maintained by sending light beams of higher light intensity to the lighting area of other modules.

2.3 m

1 m

0.6 m

Wide Working Distance Range

① Blocked light beam

② Spot compensated by remaining light beams

Smyrna+ Series
Technical Specifications

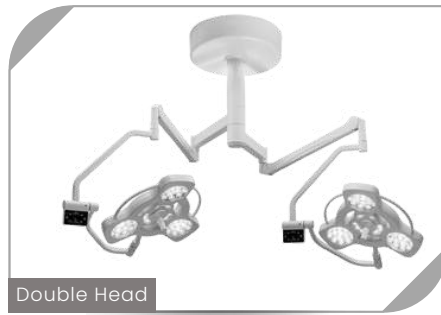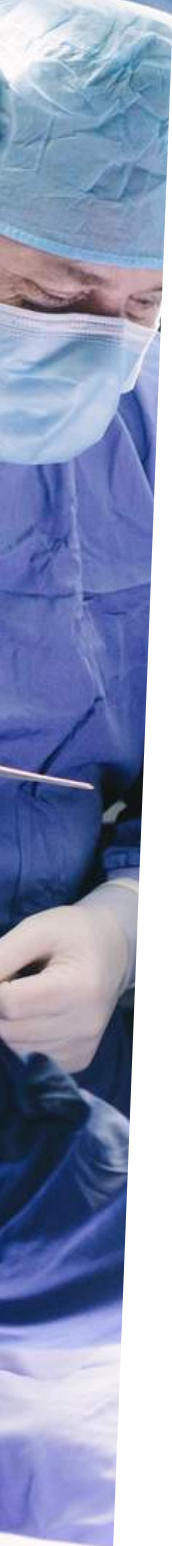| Model	Smyrna+
Type	LED
Light Intensity	130.000 lux – 160.000 lux (1m)
Light Intensity Adjustment Level	%20-%100 10 steps*-From Touch Control Panel
Color Temperature (K)	3.500K – 5.000 K – 5 step*-From Touch Control Panel
Color Temperature Adjustment Level	5 steps*
Head Diameter	70 cm
Lighthead Material	Aluminum, Antibacterial (Smooth surfaces, Curved Corners)
Spot Adjustment	By the handle, Electronic
Spot Diameter	15-32 cm
Number of LEDs	108 LEDs
Led Lifetime	>60.000 hour
CRI Ra	> 96
CRI R9	> 97
Illumination Depth(L1+L2)-20%	> 183 cm
Illumination Depth(L1+L2)-60%	> 103 cm
Temperature increase at the sugeon's head	< 1 °C
Increased temperature in the operating room area	< 1 °C
Power Consumption	80 W
Laminar Flow Compatibility	Yes
Resistance to Dust and Water	Yes, IP54
Radiant Energy	< 3,6 mW/m² Lux
Endoscopy Mode	Yes

Accessories

Optional Features

Our Surgical Lights offer solutions for all lighting needs with various mounting styles. Ceiling mounted lighting systems can be configured with single head, double head, triple head, quad head and an additional monitor arm.

Wall Mounted

Double Head

Triple Head

Mobile

Double Head + Monitor Arm

Triple Head + Monitor Arm

Ceiling Mounted

Double Head + Wall Mounted Monitor

Triple Head + Wall Mounted Monitor

Single Head+ Monitor On The Arm

Double Head + Cabled Monitor

Triple Head + Cabled Monitor

Low Ceiling Hight (LCH)

ETC Anka+

SERIES

Anka+ Series which are categorized as minor operation lights, have become indispensable for surgeons in small operations thanks to their mounting variety, user-friendly design and high energy efficiency. Anka+ minor operation lights can be used in wide ranges namely s hospitals, veterinary, dermatology, plastic surgery and gynecology clinics.

Sterilizable Handle
The handles can be sterilized in an autoclave at 134ºC.

IP 54
Light heads are resistant to dust and liquid at IP54 level.

Superior Performance in Minor and Critical Surgeries

Anka+ minor operation lights series are compact surgical lights that provide illumination levels of 100,000 lux, 110,000 lux and 120,000 lux, 160,000 lux which are deal for small and critical operations. Anka+ series , with IP54 protection, have features that can meet all needs of a minor surgery. Thanks to the optional battery unit, continuity of operation at maximum lighting intensity for up to 6 hours can be provided.

Different Control Panel Options

According to user's demands, it can be provided with an option of 3 different unique control panels .

FULL HD Camera

Uninterrupted high resolution image transfer of 840x2160 or 1920x1080 to all imaging devices is provided for the purpose of consultancy and training.

6 or 10 hours battery back up unit

In case of a power outage during the operation, the system can automatically switch from mains to battery without causing any lighting interruption. Additionally, battery status and power supply information are shown on the Large Information Screen.

Multifunctional Control Panel

On and Off

Klevin Adjustment

Spot Size Adjustment

Light Intensity Adjustment

Light Intensity Adjustment
Endo Mode Activation

Anka+ Series Configurations

Mobile

Wall Mounted

Single Head

Double Head

Anka+ Series
Technical Specifications

Model	Anka+
Type	LED
Light Intensity	120.000 lux – 160.000 lux (1m)
Light Intensity Adjustment Level	%20-%100 10 Steps*-Via Touch Control Panel
Color Temperature (K)	3.800K – 4.800 K – 3 Steps*-Via Touch Control Panel
Color Temperature Adjustment Level	3 Steps* Mobile-Wall/ 5 Steps* Ceiling
Head Diameter	37 cm
Lighthead Material	Aluminum, Antibacterial (Smooth surfaces, Curved Corners)
Spot Adjustment	Touch Control Panel – Electronic
Spot Diameter	19-31 cm
Number of LEDs	55 LEDs * Mobile/Wall / 54 LED* Ceiling
Led Lifetime	>60.000 hour
CRI Ra	> 96
CRI R9	> 97
Illumination Depth(L1+L2)-20%	> 203 cm
Illumination Depth(L1+L2)-60%	> 140 cm
Temperature increase at the sugeon's head	< 1 °C
Increased temperature in the operating room area	< 1 °C
Power Consumption	58 W
Laminar Flow Compatibility	Yes
Resistance to Dust and Water	Yes, IP54
Radiant Energy	< 3,5 mW/m² Lux
Endoscopy Mode	Yes

Accessories

Optional Features

ETC **Kayra+**

IP 54

Lighting heads are resistant against dust and liquid at IP54 level.

Sterilizable Handle

The handle can be sterilized in an autoclave at 134°C.

Kayra+ Series lights are high-end examination lighting systems that provide 80,000 lux illumination at a distance of 1 meter. Their high CRI value and color temperature adjustment features enable them to be used for minor surgeries when necessary.

Powerful Lighting Solution in Small and Crowded Treatment and Examination Areas

It offers wall-mounted, ceiling-mounted and mobile style. This series provides the perfect solution in areas such as hair transplantation centers, dental clinics, aesthetics and beauty centers. Mobile Kayra+ systems with optional 3-hour battery are the perfect portable lighting system for clinics looking for more than a standard examination lamp.
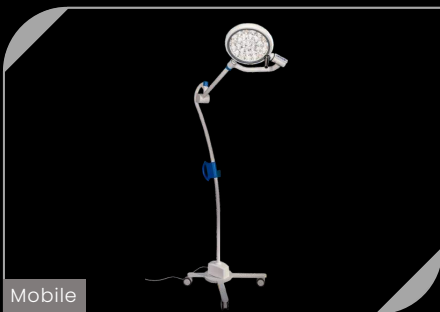
1 or 3 Hours Battery Backup Unit

In the event of a power outage, the system can automatically switch from mains to battery without causing any lighting interruption.

Multifunctional Control Panel

On an Off

K Klevin Adjustment

Spot Size Adjustment

Light Intensity Adjustment

Light Intensity Adjustment
Dental Mode Activation

Kayra+ Series Configurations

Mobile

Wall Mounted

Single Head

Double Head

Kayra+ Series
Technical Specifications

Model	Kayra+
Type	LED
Light Intensity	50.000 – 80.000 lux – 100.000 lux (1m)
Light Intensity Adjustment Level	%20–%100 10 Steps*–Via Touch Control Panel
Color Temperature (K)	3.500K – 5.000 K – 3 Steps*–Via Touch Control Panel
Color Temperature Adjustment Level	3 Steps*– Via Touch Control Panel
Head Diameter	29 cm
Lighthead Material	Aluminum, Antibacterial (Smooth surfaces, Curved Corners) Spot
Spot Adjustment	Via Touch Control Panel – Electronic
Spot Diameter	15–25 cm
Number of LEDs	31 LEDs
Led Lifetime	>60.000 hour
CRI Ra	> 96
CRI R9	> 97
Illumination Depth(L1+L2)–20%	> 185 cm
Illumination Depth(L1+L2)–60%	> 125 cm
Temperature increase at the sugeon's head	< 1 °C
Increased temperature in the operating room area	< 1 °C
Power Consumption	26 W
Laminar Flow Compatibility	Yes
Resistance to Dust and Water	Yes, IP54
Radiant Energy	< 3,5 mW/m² Lux
Endoscopy Mode	Yes

Accessories

Optional Features

ETC **Hera+**

S E R I E S

**Powerful lighting solution
with small size lighting**

Adjustable Lux

> 60.000h Osram 8-10 LED
Option

**LOW POWER
CONSUMPTION**

**HIGH CRI VALUE: SEE
TEXTURES IN TRUE COLOR**
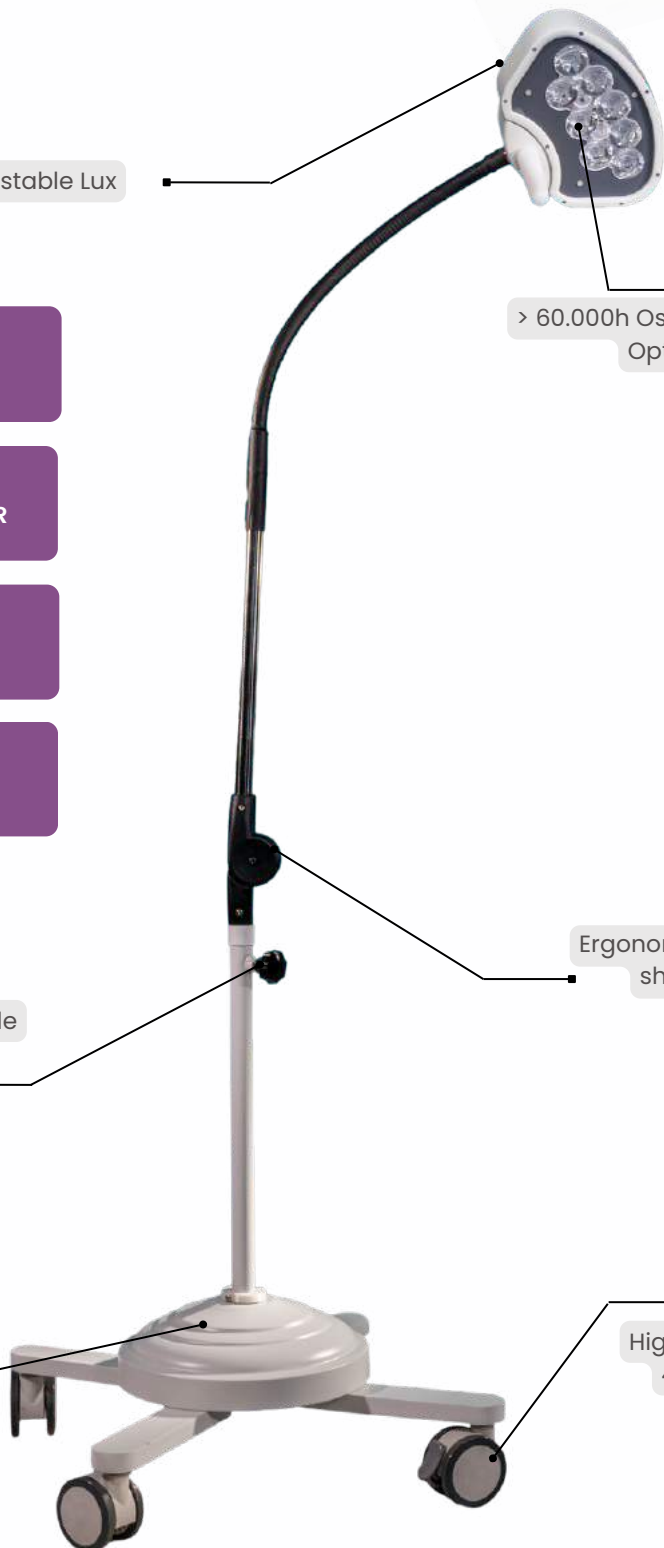
**MORE THAN AN
EXAMINATION LAMP**

**LATEST TECHNOLOGY
LED CHIP**

Ergonomic foldable
short arm

Height Adjustable
Light Body

Perfect balance system
against tipping over

High-end lockable
4 or 5 casters

ETC HERA+

ETC **Hera S+**

SERIES

Solution to small and crowded treatment and examination areas with strong lighting

Adjustable Lux

> 60.000h Osram 8-10 LED Option

Ergonomic foldable short arm

Height Adjustable Light Body

Perfect balance system against tipping over

High-end lockable 4 or 5 casters

ETC HERA S+

Hera+/Hera S+ Series
Technical Specifications

MODEL	HERA+	HERA S+ 40	HERA S+ 60
Light Intensity (Lux) (0.5m)	60.000 lux	40.000 lux	60.000 lux
Color Rendering Index CRI Ra	>96	>96	>92
Color Temperature (Kelvin)	4.250 +- 10%	4.500 K +-10%	6.500 K +-10%
Light Intensity Level Adjustment	Fixed or %50-%100 adj. option	Fixed or %50-%100 adj. option	Fixed or %50-%100 adj. option
Number of LED	10 LEDs	7 LEDs	7 LEDs
Spot Diameter (0,5m)	15 cm	18 cm	18 cm
Power Consumption (W)	12W	10 W	14 W
LED Lifetime (h)	>60.000	60.000	60.000
Working Distance (cm)	40-100	30-100	30-100
Integrated on/off switch	Yes	Yes	Yes
Minimum 2 hours battery	Yes(Optional)	Yes(Optional)	Yes(Optional)
Automatic switch to battery during power outage	Yes(Optional)	Yes(Optional)	Yes(Optional)
Light Head Size (cm)	24 cm	9.9 cm	9.9 cm

Hera+ Configuration

Mobile

Wall Mounted

Ceiling Mounted

Rail Mounted
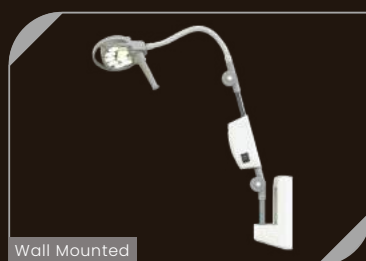
Hera S+ Configuration

Mobile

Rail Mounted
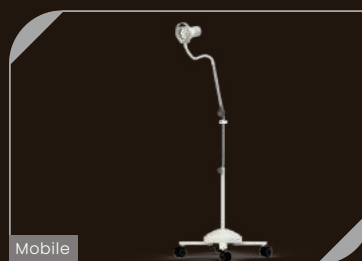
ETCLED

FORE MORE THAN SEEING...

Etkin
TIBBİ CİHAZLAR