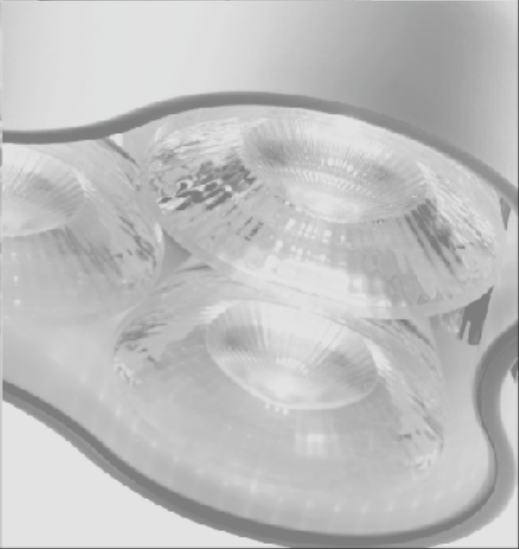


OPT and
examination lights





G. Samaras S.A.

GSDMLED 110

Spot light with LED technology



Technical data:

GSDMLED 110

Central light intensity at a distance of 0,5 meters:	30.000 Lux
Central light intensity at a distance of 1,0 meters:	7.800 Lux
Light field diameter d10 at a distance of 0,5 meters:	104 mm
Light field diameter d10 at a distance of 1,0 meters:	163 mm
Light field diameter d50 at a distance of 0,5 meters:	61 mm
Light field diameter d50 at a distance of 1,0 meters:	116 mm
Light intensity with one shadower at a distance of 1,0 meters:	0 %
Light intensity with two shadowers at a distance of 1,0 meters:	72 %
Light intensity on the ground of anormed tube at a distance of 1,0 meters:	100%
Light intensity on the ground of a normed tube with one shadower at a distance of 1,0 meters:	0 %
Light intensity on the ground of a normed tube with two shadowers at a distance of 1,0 meters:	72 %
Illumination depth 60 %:	1230 mm
Colour rendering index Ra:	95
Colour rendering index R9:	90
Max. radiation in field in a distance of 1 meter:	29 W/m ²
Max. radiation in field:	205 W/m ²
Light field size at a distance of 0,5 meters:	10 cm
Light field size at a distance of 1,0 meters:	16 cm
Colour temperature (Kelvin):	4000 K
Temperature increase in head area:	0,5 °C
Number of LED's:	3
Life span of LED's:	≥ 40.000 h
Light head diameter:	12 cm
Power consumption:	7 W
Voltage:	12 V
Current:	0,08 A

Mounting options:

With fixation clamp for supply rails

With fixation on round and rectangular tubes

With fixation plate

Table mounted light with fixation clamp

Wall mounted

Mobile on five castors



G. Samaras S.A.

GSDMLED 115 / 115C

Examination Light
with LED Technology



Technical data:

	GSDMLED 115	GSDMLED 115C
Central light intensity at a distance of 0,5 meter:	60.000 Lux	60.000 Lux
Central light intensity at a distance of 1 meter:	14.000 Lux	14.000 Lux
Light field diameter d10 at a distance of 0,5 meters:	103 mm	103 mm
Light field diameter d10 at a distance of 1 meter:	228 mm	228 mm
Light field diameter d50 at a distance of 0,5 meters:	60 mm	60 mm
Light field diameter d50 at a distance of 1 meter:	103 mm	103 mm
Light intensity with one shadower:	0 %	0 %
Light intensity with two shadowers:	78 %	78 %
Light intensity on the ground of a normed tube:	100%	100%
Light intensity on the ground of a normed tube with one shadower:	0 %	0 %
Light intensity on the ground of a normed tube with two shadowers:	78 %	78 %
Illumination depth 60 %:	1180 mm	1180 mm
Colour rendering index Ra:	95	95
Colour rendering index R9:	90	90
Max. radiation in field in a distance of 1 meter:	51 W/m ²	51 W/m ²
Max. radiation in field in a distance of 0,30 meters:	330 W/m ²	330 W/m ²
Light field size:	10 cm	10 cm
Colour temperature (Kelvin):	4000 K	3600/3900/4200 K
Temperature increase in head area:	0,5 °C	0,5 °C
Number of LED's:	7	7
Life span of LED's:	≥ 40.000 h	≥ 40.000 h
Light head diameter:	22 cm	22 cm
Power consumption:	10 W	10 W
Operating voltage DC:	24 V DC	24 V DC
Current:	0,42 A	0,42 A

Mounting options:

With fixation clamp for
supply rails

With fixation on round and
rectangular tubes

With fixation plate

Table mounted light with
fixation clamp

Wall mounted

Mobile on five castors



G. Samaras S.A.

GSDMLED 120 / 120F

Compact examination light
with LED-technology



Technical data:

	GSDMLED 120	GSDMLED 120F
Central light intensity at a distance of 1 meter:	35.000 Lux	45.000 Lux
Light field diameter d10:	132 mm	122 mm
Light field diameter d50:	66 mm	
Light intensity with one shadower:	0 %	0 %
Light intensity with two shadowers:	61 %	60 %
Light intensity on the ground of a normed tube:	100 %	100 %
Light intensity on the ground of a normed tube with one shadower:	0,02 %	0 %
Light intensity on the ground of a normed tube with two shadowers:	61 %	60 %
Illumination depth 20 %:	1750 mm	1750 mm
Illumination depth 60 %:	840 mm	890 mm
Colour rendering index Ra:	95	95
Colour rendering index R9:	90	90
Max. radiation in field in a distance of 1 meter:	126 W/m ²	126 W/m ²
Max. radiation in field in a distance of 0,80 meters:	148 W/m ²	201 W/m ²
Focusable light field size:	17 cm (fixed focus)	12–17 cm
Colour temperature (Kelvin):	4300 K	4300 K
Temperature increase in head area:	0,5 °C	0,5 °C
Electronic light intensity control at the light head (standard):	50–100 %	50–100 %
Number of LED's:	12	12
Life span of LED's:	40.000 h	40.000 h
Working distance:	70–140 cm	70–140 cm
Diameter of the light head:	29 cm	29 cm
Height adjustment:	121 cm	121 cm
Power consumption:	18 W	18 W
Operating voltage DC:	24 V DC	24 V DC
Current:	0,75 A	0,75 A

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors

Mobile on five castors



G. Samaras S.A.

GSDMLED 130/130F/130PLUS

Compact examination light
with LED-technology



Technical data:	GSDMLED 130	GSDMLED 130F	GSDMLED 130PLUS
Central light intensity at a distance of 1 meter:	60.000 Lux	70.000 Lux	100.000 Lux
Light field diameter d10:	135 mm	128 mm	120 mm
Light field diameter d50:	70 mm	65 mm	60 mm
Light intensity with one shadower:	0 %	0 %	0 %
Light intensity with two shadowers:	56 %	46 %	58 %
Light intensity on the ground of a normed tube:	100%	100%	100%
Light intensity on the ground of a normed tube with one shadower:	0 %	0 %	0 %
Light intensity on the ground of a normed tube with two shadowers:	56 %	46 %	58 %
Illumination depth 20 %:	1750 mm	1750 mm	
Illumination depth 60 %:	600 mm	650 mm	660 mm
Colour rendering index Ra:	95	95	95
Colour rendering index R9:	90	90	90
Max. radiation in field in a distance of 1 meter:	213 W/m ²	250 W/m ²	339 W/m ²
Max. radiation in field in a distance of 0,80 meters:	234 W/m ²	270 W/m ²	
Max. radiation in field in a distance of 0,97 meters:			357 W/m ²
Light field size:	17 cm	14 – 25 cm	12 cm
Colour temperature (Kelvin):	4300 K	4300 K	4300 K
Electronic light intensity control at the light head:	50 – 100%	50 – 100%	50 – 100%
Temperature increase in head area:	0,5 °C	0,5 °C	0,5 °C
Number of LED's:	19	19	19
Life span of LED's:	≥ 40.000 h	≥ 40.000 h	≥ 40.000 h
Working distance:	70 –140 cm	70 –140 cm	70 –140 cm
Light head diameter:	33 cm	33 cm	33 cm
Height adjustment:	123 cm	123 cm	123 cm
Power consumption:	28 W	28 W	28 W
Operating voltage DC:	24 V DC	24 V DC	24 V DC
Current:	1,2 A	1,2 A	1,2 A

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors

Mobile on five castors



G. Samaras S.A.

GSDMLED 150 / 150F / 150FP

Small operating light system
with LED technology



Technical data:	GSDMLED 150	GSDMLED 150F	GSDMLED 150FP
Central light intensity at a distance of 1 meter:	100.000 Lux	100.000 Lux	125.000 Lux
Light field diameter d10:	188 mm	161 mm	141 mm
Light field diameter d50:	105 mm	81 mm	71 mm
Light intensity with one shadower:	0 %	0 %	0 %
Light intensity with two shadowers:	52 %	52 %	56 %
Light intensity on the ground of a normed tube:	100%	100%	100%
Light intensity on the ground of a normed tube with one shadower:	0 %	0 %	0 %
Light intensity on the ground of a normed tube with two shadowers:	52 %	52 %	56 %
Illumination depth 20 %:	1780 mm	1800 mm	1800 mm
Illumination depth 60 %:	780 mm	780 mm	660 mm
Colour rendering index Ra:	95	95	95
Colour rendering index R9:	90	90	90
Max. radiation in field in a distance of 1 meter:	365 W/m ²	357 W/m ²	460 W/m ²
Max. radiation in field in a distance of 0,85 meters:	477 W/m ²	443 W/m ²	
Max. radiation in field in a distance of 0,91 meters:			498 W/m ²
Light field size:	19 cm	16 – 25 cm	14 – 22 cm
Colour temperature (Kelvin):	4300 K	4300 K	4300 K
Electronic light intensity control at the light head:	50 – 100%	50 – 100%	50 – 100%
Temperature increase in head area:	0,5 °C	0,5 °C	0,5 °C
Number of LED's:	26	26	26
Life span of LED's:	≥ 40.000 h	≥ 40.000 h	≥ 40.000 h
Working distance:	70 – 140 cm	70 – 140 cm	70 – 140 cm
Light head diameter:	38 cm	38 cm	38 cm
Height adjustment:	118 cm	118 cm	118 cm
Power consumption:	35 W	35 W	35 W
Operating voltage DC:	24 V DC	24 V DC	24 V DC
Current:	1,45 A	1,45 A	1,45 A

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors



G. Samaras S.A.

**GSDMLED 2MC / 2SC
/ 2MC SMART**



Technical data:	GSDMLED 2MC	GSDMLED 2SC	GSDMLED 2MC SMART
Central light intensity at a distance of 1 meter:	115.000 Lux	115.000 Lux	115.000 Lux
Light field diameter d10:	170 mm	170 mm	170 mm
Light field diameter d50:	100 mm	100 mm	100 mm
Light intensity with one shadower:	36 %	33 %	34 %
Light intensity with two shadowers:	48 %	48 %	50 %
Light intensity on the ground of a normed tube:	100 %	100 %	100 %
Light intensity on the ground of a normed tube with one shadower:	36 %	33 %	34 %
Light intensity on the ground of a normed tube with two shadowers:	48 %	48 %	50 %
Illumination depth 60 %:	580 mm	600 mm	600 mm
Illumination depth 20 %:	1230 mm	1180 mm	1230 mm
Colour rendering index Ra:	96	95	95
Colour rendering index R9:	96	94	90
Max. radiation in field in a distance of 1 meter:	356 W/m ²	408 W/m ²	420 W/m ²
Max. radiation in field in a distance of 0,80 meters:	529 W/m ²	557 W/m ²	
Max. radiation in field in a distance of 0,88 meters:			447 W/m ²
Focusable light field size:	17–28 cm	17–28 cm	17–28 cm
Colour temperature (Kelvin):	3750, 4000, 4250, 4500, 4750 K	4500 K	3750, 4000, 4250, 4500, 4750 K
Temperature increase in head area:	0,5 °C	0,5 °C	0,5 °C
Number of LED's:	84	21	42
Life span of LED's:	> 40.000 h	> 50.000 h	> 40.000 h
Light head diameter:	49 cm	49 cm	49 cm
Working distance:	60–150 cm	60–150 cm	60–150 cm
Height adjustment:	118 cm	118 cm	118 cm
Mounting options:			
Ceiling suspended	Power consumption: 70 W	70 W	70 W
Mobile on four castors	Operating voltage: DC 24 V – 30 V	DC 24 V – 30 V	DC 24 V – 30 V
	Current: 2,9 A	2,9 A	2,9 A



G. Samaras S.A.

**GSDMLED 2SC HYBRID
OT-mode / Dental-mode**



Technical data:	GSDMLED 2SC HYBRID OT-mode	GSDMLED 2SC HYBRID Dental-mode
Central light intensity at a distance of 1 meter:	115.000 Lux	–
Central light intensity at a distance of 0,7 meter:	–	30.000 Lux
Colour rendering index Ra:	95	95
Colour rendering index R9:	94	94
Focusable light field size:	17–28 cm	9 x 5,5 cm (oval)
Colour temperature (Kelvin):	4500 K	4500 K
Temperature increase in head area:	0,5 °C	0,5 °C
Number of LED's:	21	6
Life span of LED's:	50.000 h	50.000 h
Light head diameter:	49 cm	49 cm
Working distance:	70–140 cm	70–140 cm
Height adjustment:	118 cm	118 cm
Power consumption:	30 W	10 W
Operating voltage:	DC 24 V – 30 V	DC 24 V – 30 V
Current:	1,25 A	1,25 A

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors



G. Samaras S.A.

GSDMLED 3MC / 3SC / 3MC SMART



Technical data:	GSDMLED 3MC	GSDMLED 3SC	GSDMLED 3MC SMART
Central light intensity at a distance of 1 meter:	140.000 Lux	140.000 Lux	140.000 Lux
Light field diameter d10:	170 mm	170 mm	170 mm
Light field diameter d50:	100 mm	100 mm	100 mm
Light intensity with one shadower:	61 %	63 %	61 %
Light intensity with two shadowers:	49 %	49 %	49 %
Light intensity on the ground of a normed tube:	100 %	100 %	100 %
Light intensity on the ground of a normed tube with one shadower:	61 %	63 %	61 %
Light intensity on the ground of a normed tube with two shadowers:	49 %	49 %	49 %
Illumination depth 20 %:	1200 mm	1200 mm	1200 mm
Illumination depth 60 %:	520 mm	510 mm	530 mm
Colour rendering index Ra:	96	95	95
Colour rendering index R9:	96	94	90
Max. radiation in field in a distance of 1 meter:	442 W/m²	490 W/m²	499 W/m²
Max. radiation in field in a distance of 0,80 meters:	626 W/m²	770 W/m²	—
Max. radiation in field in a distance of 0,89 meters:	—	—	537 W/m²
Focusable light field size:	17–28 cm	17–28 cm	17–28 cm
Colour temperature (Kelvin):	3750, 4000, 4250, 4500, 4750 K	4500 K	3750, 4000, 4250, 4500, 4750 K
Temperature increase in head area:	0,5 °C	0,5 °C	0,5 °C
Number of LED's:	112	28	56
Life span of LED's:	>40.000 h	50.000 h	>40.000 h
Light head diameter:	57 cm	57 cm	57 cm
Working distance:	60–150 cm	60–150 cm	60–150 cm
Height adjustment:	118 cm	118 cm	118 cm
Power consumption:	30 W	45 W	120 W
Operating voltage:	DC 24 V – 30 V	DC 24 V – 30 V	DC 24 V – 30 V
Current:	5,0 A	1,7 A	5,0 A



G. Samaras S.A.

**GSDMLED 5MC / 5SC
/ 5MC SMART**



Technical data:	GSDMLED 5MC	GSDMLED 5SC	GSDMLED 5MC SMART
Central light intensity at a distance of 1 meter:	160.000 Lux	160.000 Lux	160.000 Lux
Light field diameter d10:	200 mm	200 mm	200 mm
Light field diameter d50:	100 mm	100 mm	100 mm
Light intensity with one shadower:	73 %	76 %	77 %
Light intensity with two shadowers:	55 %	53 %	54 %
Light intensity on the ground of a normed tube:	90 %	90 %	90 %
Light intensity on the ground of a normed tube with one shadower:	76 %	64 %	64 %
Light intensity on the ground of a normed tube with two shadowers:	46 %	46 %	45 %
Illumination depth 20 %:	1500 mm	1500 mm	1500 mm
Illumination depth 60 %:	400 mm	390 mm	400 mm
Colour rendering index Ra:	96	95	95
Colour rendering index R9:	96	94	90
Max. radiation in field in a distance of 1 meter:	490 W/m ²	567 W/m ²	559 W/m ²
Max. radiation in field in a distance of 0,80 meters:	700 W/m ²	631 W/m ²	
Max. radiation in field in a distance of 0,96 meters:			586 W/m ²
Focusable light field size:	20–32 cm	20–32 cm	20–32 cm
Colour temperature (Kelvin):	3750, 4000, 4250, 4500, 4750 K	4500 K	3750, 4000, 4250, 4500, 4750 K
Temperature increase in head area:	0,5 °C	0,5 °C	0,5 °C
Number of LED's:	160	40	80
Life span of LED's:	>40.000 h	50.000 h	>40.000 h
Light head diameter:	72 cm	72 cm	72 cm
Working distance:	60–150 cm	60–150 cm	60–150 cm
Height adjustment:	118 cm	118 cm	118 cm
Power consumption:	160 W	160 W	160 W
Operating voltage:	DC 24 V – 30 V	DC 24 V – 30 V	DC 24 V – 30 V
Current:	6,6 A	2,5 A	6,6 A

Mounting options:

Ceiling suspended



G. Samaras S.A.

**GSDMLED 300DF /
300DF with reflector**



Technical data:	GSDMLED 300DF	GSDMLED 300DF with reflector
Central light intensity at a distance of 1 meter:	130.000 Lux	150.000 Lux
Light field diameter d10:	140 mm	140 mm
Light field diameter d50:	70 mm	75 mm
Light intensity with one shadower:	44 %	36 %
Light intensity with two shadowers:	45 %	52 %
Light intensity on the ground of a normed tube:	100 %	100 %
Light intensity on the ground of a normed tube with one shadower:	44 %	36 %
Light intensity on the ground of a normed tube with two shadowers:	45 %	52 %
Illumination depth 20 %:	740 mm	1440 mm
Illumination depth 60 %:	370 mm	450 mm
Colour rendering index Ra:	95	95
Colour rendering index R9:	90	90
Max. radiation in field in a distance of 1 meter:	464 W/m ²	541 W/m ²
Max. radiation in field in a distance of 0,95 meter:		551 W/m ²
Focusable light field size:	14–28 cm	14–28 cm
Colour temperature (Kelvin):	4500 K	4500 K
Temperature increase in head area:	0,5 °C	0,5 °C
Number of LED's:	36	36
Life span of LED's:	>40.000 h	>40.000 h
Light head diameter:	55 cm	55 cm
Working distance:	60–150 cm	60–150 cm
Height adjustment:	118 cm	118 cm
Power consumption:	58 W	58 W
Operating voltage:	DC 24 V – 30 V	DC 24 V – 30 V
Current:	1,9 A	1,9 A

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors



G. Samaras S.A.

GSRIALFALED



Technical data:

	GSRIALFALED
Type of lighting:	LED
Light intensity at 50 cm:	35.000 Lux
Light intensity at 1 m:	3.000 Lux
Color temperature:	4.200 K
Color rendering Index (CRI):	Ra 95
Light field size at 50 cm:	140 mm
Primary voltage:	100÷240 V
Secondary voltage:	12 V
Frequency:	50/60 Hz
Average life:	50.000 H
Light source:	3x1,4 W
Absorbed power:	35VA
Out reflector diameter:	86 mm

Mounting options:

Caster base
Wall clamp
Table clamp
Rail clamp



G. Samaras S.A.

GSRIA06



Mounting options:

Caster base
Wall clamp
Table clamp
Rail clamp

Technical data:

Type of lighting:	HALOGEN
Light intensity at 50 cm:	40.000 Lux
Light intensity at 1 m:	8.000 Lux
Color temperature:	3.000 K
Color rendering Index (CRI):	Ra 93
Light field size at 50 cm:	180 mm
Primary voltage:	230÷240 V
Secondary voltage:	12 V
Frequency:	50/60 Hz
Average life:	5.000 H
Light source:	2x20 W
Absorbed power:	40 W
Out reflector diameter:	140 mm

GSRIA06



G. Samaras S.A.

GSRIL88



Technical data:

Type of lighting:	FLUORESCENT
Light intensity at 50 cm:	550 Lux
Light intensity at 1 m:	250 Lux
Color temperature:	4.550 K
Color rendering Index (CRI):	Ra 90
Primary voltage:	200÷240 V
Frequency:	50 Hz
Average life:	5.000 H
Light source:	22 W
Absorbed power:	33VA
Out reflector diameter:	230 mm

Mounting options:

Caster base
Wall clamp
Table clamp
Rail clamp



G. Samaras S.A.

GSRIALFA



Technical data:

	GSRIALFA
Type of lighting:	HALOGEN
Light intensity at 50 cm:	30.000 Lux
Light intensity at 1 m:	8.000 Lux
Color temperature:	3.000 K
Color rendering Index (CRI):	Ra 93
Light field size at 50 cm:	100 mm
Primary voltage:	230 V
Secondary voltage:	12 V
Frequency:	50/60 Hz
Average life:	5.000 H
Light source:	35 W
Absorbed power:	35W
Out reflector diameter:	104 mm

Mounting options:

Caster base
Wall clamp
Table clamp
Rail clamp



G. Samaras S.A.

GS RIPENTALED 12



Technical data:

GS RIPENTALED 12

Light intensity at 1 m distance (Ec):	50.000 Lux
Colour temperature:	4.500 K
Colour Rendering Index (CRI):	Ra 96
Light field diameter where the illuminance reaches 50% of Ec (d50):	70 mm
Light field diameter where the illuminance reaches 10% of Ec (d10):	140 mm
Depth of illumination IEC 60601-2-41 (L1+L2) at 60% of Ec:	87 cm (62+25)
Total radiated energy Ee where the illuminance reaches max level:	119 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,38 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,001 W/m2
R9:	92
Power transformer a.c.:	100 ÷ 240 V
Frequency:	50/60 Hz
Electrical absorption:	40 VA
Led no. :	12
Average led life:	50.000 hours
Control of the illuminance %:	20 ÷ 100

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors



G. Samaras S.A.

GSRIPENTALED 28



Technical data:

GSRIPENTALED 28

Light intensity at 1 m distance (Ec):	80.000 (5.000K) / 50.000 (4.500K) Lux
Colour temperature:	4.500 / 5.000 K
Colour Rendering Index (CRI):	Ra 92 (5.000K) / 96 (4.500K)
Light field diameter where the illuminance reaches 50% of Ec (d50):	135 mm
Light field diameter where the illuminance reaches 10% of Ec (d10):	270 mm
Depth of illumination IEC 60601-2-41 (L1+L2) at 60% of Ec:	58 cm (28+30)
Total radiated energy Ee where the illuminance reaches max level:	220 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,64 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,001 W/m2
R9:	90 (5.000K) / 92 (4.500K)
Power transformer a.c.:	100 ÷ 240 V
Frequency:	50/60 Hz
Electrical absorption:	81 VA
Led no.:	28
Average led life:	50.000 hours
Control of the illuminance %: 20÷	100

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors



G. Samaras S.A.

GS RIPENTALED 63N



Technical data:

GS RIPENTALED 63N

Light intensity at 1m distance (Ec):	160.000 Lux
Color temperature: double selection:	4500 / 5000° K
Color rendering index (CRI): 9	6 Ra
R9:	≥ 90
No. of Leds:	72
Diameter and focus adjustment:	Manual
Light field diameter adjustable:	21 – 42 cm
d10 light field diameter where illuminance reaches 10% of Ec (small ø):	210 mm (160 klx)
d10 light field diameter where illuminance reaches 10% of Ec (big ø):	420 mm (40 klx)
d50 light field diameter where illuminance reaches 50% of Ec (small ø):	120 mm (160 klx)
d50 light field diameter where illuminance reaches 50% of Ec (big ø):	260 mm (40 klx)
Depth of illumination IEC 60601–2–41 (L1+L2) at 60%:	46 cm
Depth of illumination IEC 60601–2–41 (L1+L2) at 20%:	115 cm
Control of the illuminance (%):	25 – 100
Total radiated energy Ee where the illuminance reaches max level:	399 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,61 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,001 W/m2
Average Led life:	> 50.000 hours
EndoLED light intensity min–max:	5.000 – 20.000 Lux
Primary alternating voltage (a.c.):	100 – 240 V
Secondary continue voltage (d.c):	24 V
Frequency:	50 – 60 Hz
Absorbed power:	145 VA

Mounting options:

Ceiling suspended

Mobile on four castors



G. Samaras S.A.

GSRIPENTALED 105



Technical data:

GSRIPENTALED 105

Light intensity at 1m distance (Ec):	160.000 Lux
Color temperature: double selection:	4500 / 5000° K
Color rendering index (CRI):	96 Ra
R9:	≥ 90
No. of Leds:	105
Diameter and focus adjustment:	Electronic – fixed
Light field diameter adjustable:	20 – 32 cm
d10 light field diameter where illuminance reaches 10% of Ec:	200 mm
d50 light field diameter where illuminance reaches 50% of Ec:	100 mm
Depth of illumination IEC 60601–2–41 (L1+L2) at 60%:	47 cm
Depth of illumination IEC 60601–2–41 (L1+L2) at 20%:	100 cm
Control of the illuminance (%):	25 – 100
Total radiated energy Ee where the illuminance reaches max level:	410 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,56 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,002 W/m2
Average Led life:	> 50.000 hours
EndoLED light intensity min–max:	3.500 – 15.000 Lux
Primary alternating voltage (a.c.):	100 – 240 V
Secondary continue voltage (d.c.):	24 V
Frequency:	50 – 60 Hz
Absorbed power:	160 VA

Mounting options:

Ceiling suspended



G. Samaras S.A.

GSRITRISLED



Technical data:

GSRITRISLED

Light intensity at 1m distance (Ec):	100.000 Lux
Color temperature:	4.300K
Color rendering index (CRI):	96
R9:	≥90
No. of Leds:	28
Diameter and focus adjustment:	Manual
Light field diameter adjustable:	26 – 38 cm
d10 light field diameter where illuminance reaches 10% of Ec:	240 mm
d50 light field diameter where illuminance reaches 50% of Ec:	120 mm
Depth of illumination IEC 60601–2–41 (L1+L2) at 60%:	82 cm
Depth of illumination IEC 60601–2–41 (L1+L2) at 20%:	148 cm
Control of the illuminance (%):	25–100 in 7 steps
Total radiated energy Ee where the illuminance reaches max level:	280 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,79 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,001 W/m2
Average Led life:	> 50.000 hours
Electrical data Primary voltage:	100 – 240 V
Secondary voltage:	24 V
Frequency:	50 – 60 Hz
Absorbed power:	70 VA

Mounting options:

Ceiling suspended

Wall mounted

Mobile on four castors



G. Samaras S.A.

GSRISATURNOLED



Technical data:

GSRISATURNOLED

Light intensity at 1m distance (Ec):	30.000 Lux
Color temperature:	4.500 / 5.000 K
Color rendering index (CRI):	96
R9:	≥90
No. of Leds:	9
Light field diameter adjustable:	28 cm
d10 light field diameter where illuminance reaches 10% of Ec:	250 mm
d50 light field diameter where illuminance reaches 50% of Ec:	125 mm
Depth of illumination IEC 60601-2-41 (L1+L2) at 60%:	136 cm
Depth of illumination IEC 60601-2-41 (L1+L2) at 20%:	228 cm
Control of the illuminance (%):	25-100 in 7 steps
Total radiated energy Ee where the illuminance reaches max level:	105 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,82 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,001 W/m2
Average Led life:	> 50.000 hours
Electrical data Primary voltage:	80 – 240 V
Secondary voltage:	24 V
Frequency:	50 – 60 Hz
Absorbed power:	35 VA

Mounting options:

Ceiling suspended

Wall mounted

Mobile on five castors



G. Samaras S.A.

GSRIPRIMALED



Mounting options:

Ceiling suspended
Caster base
Wall clamp
Table clamp
Rail clamp
Standard axis
Flexible axis

Technical data:

	GSRIPRIMALED
Light intensity at 0,5m distance (Ec):	86.000 Lux (5.000K)
Light intensity at 0,5m distance (Ec):	80.000 Lux (4.500K)
Color temperature:	4500 / 5000 K
Color rendering index (CRI):	RA 95
d10 light field diameter at 50cm (Ec):	140 mm
Total radiated energy Ee where the illuminance reaches max level:	225 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,80 mW/m2lx
Primary alternating voltage (a.c.):	80 ÷ 240 V
Secondary continue voltage (d.c.):	24 V
Frequency:	50/60 Hz
Absorbed power:	21 VA
Control of the illuminance (%):	25 – 100 in 6 steps



G. Samaras S.A.

GSRIPENTALED 30E



Technical data:

GSRIPENTALED 30E

Light intensity at 1m distance (Ec):	130.000 Lux
Color temperature: double selection:	4500 / 5000° K
Color rendering index (CRI):	96 Ra
R9:	≥ 90
No. of Leds:	30
Diameter and focus adjustment:	Electronic – fixed
Light field diameter adjustable:	16 – 28 cm
d10 light field diameter where illuminance reaches 10% of Ec:	160 mm
d50 light field diameter where illuminance reaches 50% of Ec:	80 mm
Depth of illumination IEC 60601–2–41 (L1+L2) at 60%:	49 cm
Depth of illumination IEC 60601–2–41 (L1+L2) at 20%:	95 cm
Control of the illuminance (%):	25 – 100
Total radiated energy Ee where the illuminance reaches max level:	299 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,30 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,002 W/m2
Average Led life:	> 50.000 hours
EndoLED light intensity min–max:	5.000 – 20.000 Lux
Primary alternating voltage (a.c.):	100 – 240 V
Secondary continue voltage (d.c.):	24 V
Frequency:	50 – 60 Hz
Absorbed power:	50 VA

Mounting options:

Ceiling suspended
Wall mounted
Mobile on four castors



G. Samaras S.A.
MEDICAL EQUIPMENT

GSRIPENTALED 30N



Technical data:

GSRIPENTALED 30N

Light intensity at 1m distance (Ec):	130.000 Lux
Color temperature: double selection:	4500 / 5000° K
Color rendering index (CRI):	96 Ra
R9:	≥ 90
No. of Leds:	30
Diameter and focus adjustment:	Manual
Light field diameter adjustable:	8 – 22 cm
d10 light field diameter where illuminance reaches 10% of Ec (small ø):	180 mm (130 klx)
d10 light field diameter where illuminance reaches 10% of Ec (big ø):	220 mm (85 klx)
d50 light field diameter where illuminance reaches 50% of Ec (small ø):	90 mm (130 klx)
d50 light field diameter where illuminance reaches 50% of Ec (big ø):	130 mm (85 klx)
Depth of illumination IEC 60601–2–41 (L1+L2) at 60%:	55 cm
Depth of illumination IEC 60601–2–41 (L1+L2) at 20%:	108 cm
Control of the illuminance (%):	25 – 100
Total radiated energy Ee where the illuminance reaches max level:	263 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,7 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,001 W/m2
Average Led life:	> 50.000 hours
EndoLED light intensity min–max:	9.000 – 25.000 Lux
Primary alternating voltage (a.c.):	100 – 240 V
Secondary continue voltage (d.c.):	24 V
Frequency:	50 – 60 Hz
Absorbed power:	70 VA

Mounting options:

Ceiling suspended
Wall mounted
Mobile on four castors



G. Samaras S.A.

GSRIPENTALED 81



Technical data:

GSRIPENTALED 81

Light intensity at 1m distance (Ec):	160.000 Lux
Color temperature: double selection:	4500 / 5000° K
Color rendering index (CRI):	96 Ra
R9:	≥ 90
No. of Leds:	81
Diameter and focus adjustment:	Electronic – fixed
Light field diameter adjustable:	19 – 32 cm
d10 light field diameter where illuminance reaches 10% of Ec:	190 mm
d50 light field diameter where illuminance reaches 50% of Ec:	95 mm
Depth of illumination IEC 60601–2–41 (L1+L2) at 60%:	43 cm
Depth of illumination IEC 60601–2–41 (L1+L2) at 20%:	103 cm
Control of the illuminance (%):	25 – 100
Total radiated energy Ee where the illuminance reaches max level:	392 W/m2
Ratio between radiated energy Ee and illuminance Ec:	2,45 mW/m2.lx
Radiated UV energy with wavelength less than 400nm:	0,002 W/m2
Average Led life:	> 50.000 hours
EndoLED light intensity min–max:	5.000 – 20.000 Lux
Primary alternating voltage (a.c.):	100 – 240 V
Secondary continue voltage (d.c.):	24 V
Frequency:	50 – 60 Hz
Absorbed power:	120 VA

Mounting options:

Ceiling suspended

Mobile on four castors



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