



Hillrom™

TL3000 Surgical Light Series Data Sheet





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TL5000 / 3000 Surgical Light products' technical features described in this data sheet are focusing on the surgical lighting parameters. Those are defined by the different light head variants. Therefore, the technical specs are shown for the different light head variants (e.g. TL3500, TL3300 etc).

FEATURES

Light Head Variants	TL3500	TL3510	TL3300
Adaptive Light Control (ALC)	X	X	X
Adaptive Light Control Plus (ALC Plus)	-	-	-
Sterile Light Control (SLC)	-	-	-

LIGHTING DATA

Light Head Variants	TL3500	TL3510	TL3300
Illumination Level at 1.0 m (Lux)	160,000		140,000
Dimmable from / to	100 - 50%; < 10% endo		
Pattern Size Variable through Distance Variation between 0.8m and 1.2m Distance (cm)	17 - 25 (6.7" - 9.8")		17 - 25 (6.7" - 9.8")
Pattern Size (d10) at 1.0 m (cm)	18 (7.1")		
d50 / d10 Ratio	~0.61		~0.61
d50 (cm)	11 (4.3")		11 (4.3")
Color Temperature (K)	4,500 K		
Color Rendering Index Ra	93		94
Color Rendering Index R9 (blood)	80		85
Color Rendering Index R13 (tissue)	94		96
Irradiance (W/m ²) ¹	616		587
Irradiance / Intensity Ratio (mW/m ² lx)	3.37		3.43

¹. At a distance of 0.9m
Subject to changes.



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LIGHTING DATA

Light Head Variants	TL35x0		TL33x0	
Remaining Illumination with 1 Mask (Lux)	68%	108,800	58%	81,200
Remaining Illumination with 2 Masks (Lux)	47%	75,200	44%	61,600
Remaining Illumination with Tube (Lux)	97%	155,200	100%	140,000
Remaining Illumination with Tube and 1 Mask (Lux)	65%	104,000	58%	81,200
Remaining Illumination with Tube and 2 Masks (Lux)	45%	72,000	44%	61,600

DEPTH OF ILLUMINATION

Light Head Variants	TL35x0	TL33x0
EN ISO 60601-2-41 2 nd Edition: Depth of Illumination (L1 + L2) at 20% Ec / 2 nd Edition (cm)	75 (29.5")	83 (32.7")
EN ISO 60601-2-41 3 rd Edition: Depth of Illumination (L1 + L2) at 60% Ec / 3 rd Edition (cm)	41 (16.1")	44 (17.3")
Average service life of the LEDs (h)	> 60,000	

REGISTRATION DATA

Light Head Variants	TL35x0	TL33x0
Classification (MDD)	1	
Classification (MDR)	1	
Classification (FDA)	2	
Turbulence Degree (%)	35	36
Mark of Conformity	CE, UL	

Subject to changes.



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ELECTRICAL DATA

Light Head Variants	TL3500	TL3510	TL3300
Power Pack Supply Voltage	100 - 240 V AC 50/60 Hz		
Power Pack Supply Voltage DC-DC Box	22 - 32 V DC 22 - 26 V AC		
Light Head Power Consumption (VA) ¹	65		
Maximum Power Consumption (Total System) (VA)	130	150	130
Voltage at Ceiling Mounting Point (V)	48		

MECHANICAL DATA

Light Head Variants	TL3500	TL3510	TL3300
Light-emitting Surface (cm ²)	1,892 (293.3 in ²)		1,332 (206 in ²)
Laminar Flow Surface (cm ²)	3,100 (480.5 in ²)		2,100 (326 in ²)
Diameter of Ceiling Plate (square) (mm)	340 (13.4")		
Light Head Size (with Handles) (mm)	730 (28.7")		640 (25.2")
Light Head Size (without Handles) (mm)	675 (26.6")		580 (22.8")
Weight of Light Head (incl. cardanic) (kg)	16.4 (36.2 lbs)	16.4 (35.2 lbs)	13.6 (30.0 lbs)

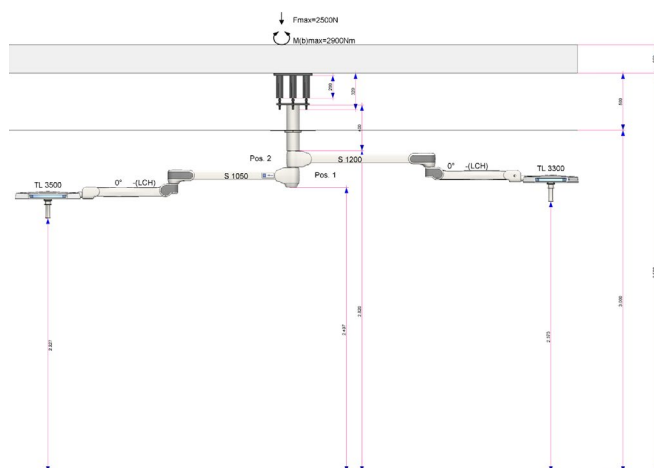
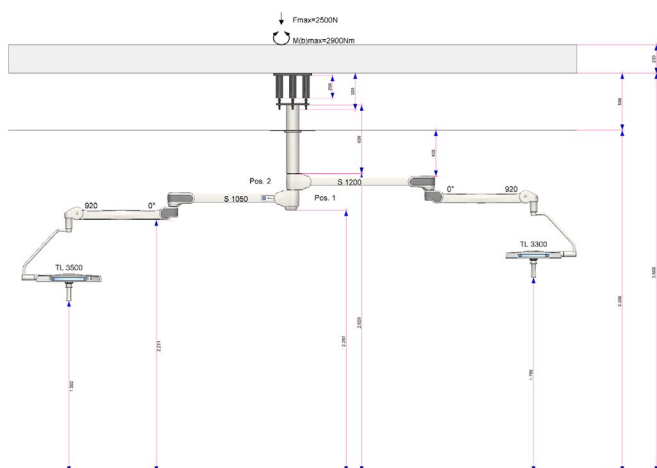
¹. For illumination of 160,000 lux at a distance of 1.0 m
Subject to changes.



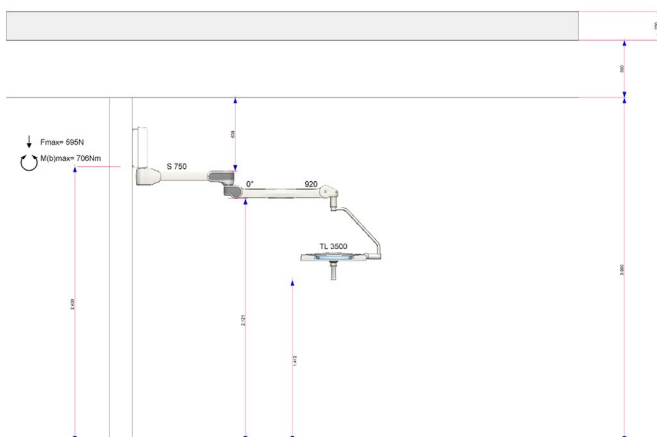
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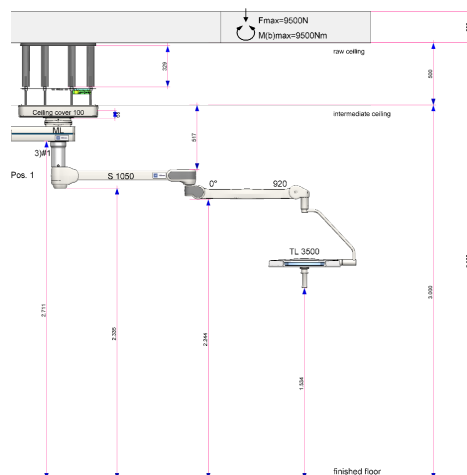
TL5000/ 3000 Ceiling¹ Duo with TL3500 / TL3300 Light Head Variants on VALiA®² arms (STANDARD ROOM HEIGHT)



TL5000/ 3000 Wall with TL3500 Light Head on VALiA® arm



TL5000/ 3000 Pendant³ with TL3500 Light Head on VALiA® arm



Values are in mm.
Subject to changes.

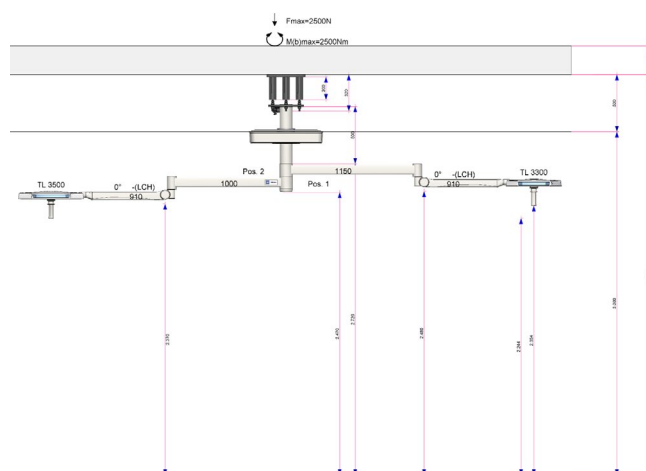
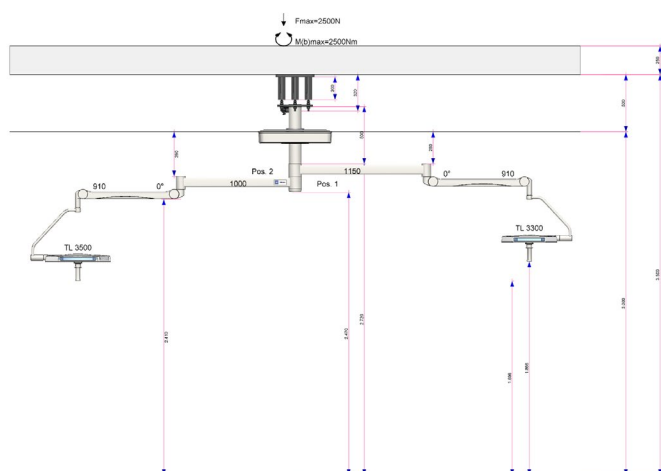
- 1: Several ceiling tubes and arm lengths available; select 1-4 arms
2: VALiA® by Ondal Medical Systems GmbH
3: Several arm lengths available



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TL5000/ 3000 Ceiling¹ Duo with TL3500 / TL3300 Light Head Variants on Acrobat^{®2} arms (STANDARD ROOM HEIGHT) (LOW CEILING ROOM HEIGHT)



Values are in mm.
Subject to changes.

- 1: Several ceiling tubes and arm lengths available; select 1-4 arms
- 2: Acrobat[®] by Ondal Medical Systems GmbH

For more information, please contact your local distributor or Hillrom sales representative.

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TL5000/TL3000 naming corresponds to the following CE registered products: TruLight 5000 / 3000 Ceiling Single – 4038110; TruLight 5000 / 3000 Mobile – 4038120; TruLight 5000 / 3000 Wall – 4038130; TruLight 5000 / 3000 Pendant – 4038140; TruLight 5000 / 3000 Ceiling Duo – 4038210; TruLight 5000 / 3000 Ceiling Trio – 4038310; TruLight 5000 / 3000 Ceiling Quad – 4038410

The TL3000 Surgical Light is intended to be used by clinicians and medically qualified personnel. This medical device is a regulated healthcare product which, pursuant to such regulation bears a CE mark. Hill-Rom recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Hill-Rom reserves the right to make changes without notice in design, specifications and models. The only warranty Hill-Rom makes is the express written warranty extended on the sale or rental of its products. TRUMPF Medizin Systeme GmbH + Co. KG is a subsidiary of Hill-Rom Holdings, Inc.