

TruLight 3000

Essential Intelligence



Features	TruLight		TruLight
	3500	3510	3300
Adaptive Light Control (ALC)	X	X	X
Adaptive Light Control Plus (ALC Plus)			
Sterile Light Control (SLC)			
Compatible with 3D HD Camera		X	
Parallel 2D and 3D signal		X	

Lighting Data	TruLight		TruLight
	3500	3510	3300
Illumination Level at 1.0 m (Lux)	160,000		140,000
Dimmable from / to	100 – 40%; < 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")	18 (7.1")	18 (7.1")
d50 / d10 ratio	~ 0.53	~ 0.53	~ 0.52
d50 (cm)	9.5 (3.7")	9.5 (3.7")	9.4 (3.7")
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/m2lx)	3.37		3.43

	TruLight 35X0		TruLight 3300	
	Remaining illumination with 1 mask (lux)	68%	108,800	58%
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

³ At a distance of 0.9m

Subject to changes.

Depth of Illumination

	TruLight 35X0	TruLight 3300
Depth of illumination (L1 + L2) at 20% Ec / 2 nd Edition (cm)	75 (29.5")	83 (32.7")
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

	TruLight 35X0	TruLight 3300
Classification (MDD)	1	
Classification (FDA)	2	
Turbulence degree (%)	35	36
Mark of conformity	CE, UL	



Electrical data

	TruLight		TruLight
	3500	3510	3300
Power pack supply voltage	100 – 240 V AC 50/60 Hz		
Power pack supply voltage DC-DC box	22 – 32 V DC 22 – 26.4 V AC		
Light head power consumption (VA) ²	65		
Maximum power consumption (total system) (VA)	130	150	130
Voltage at ceiling mounting point (V)	48		

² For illuminaton of 160,000 lux at a distance of 1.0 m

Subject to changes.

Mechanical data

	TruLight		TruLight
	3500	3510	3300
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)	16.1 (35.5 lbs)	17.2 (37.9 lbs)	12.9 (28.4 lbs)
Maximum Weight for Single Light System (N)	1,600 (360 lbf)		
Maximum Torque for Single Light System (Nm)	1,600 (1180 lbf ft)		
Maximum Weight for Duo Light System (N)	2,500 (562 lbf)		
Maximum Torque for Duo Light System (Nm)	2,500 (1844 lbf ft)		
Maximum Weight for Trio Light System (N)	2,800 (630 lbf)		
Maximum Torque for Trio Light System (Nm)	2,800 (2065 lbf ft)		
Maximum Weight for Quad Light System (N)	3,300 (742 lbf)		
Maximum Torque for Quad Light System (Nm)	3,300 (2434 lbf ft)		
	1651418		0337326
Tandem			
Maximum Weight for Tandem Light System (N)	5,000 (1124 lbf)		7,000 (1574 lbf)
Maximum Torque for Tandem Light System (Nm)	5,000 (3688 lbf ft)		7,000 (5163 lbf ft)

Subject to changes.

