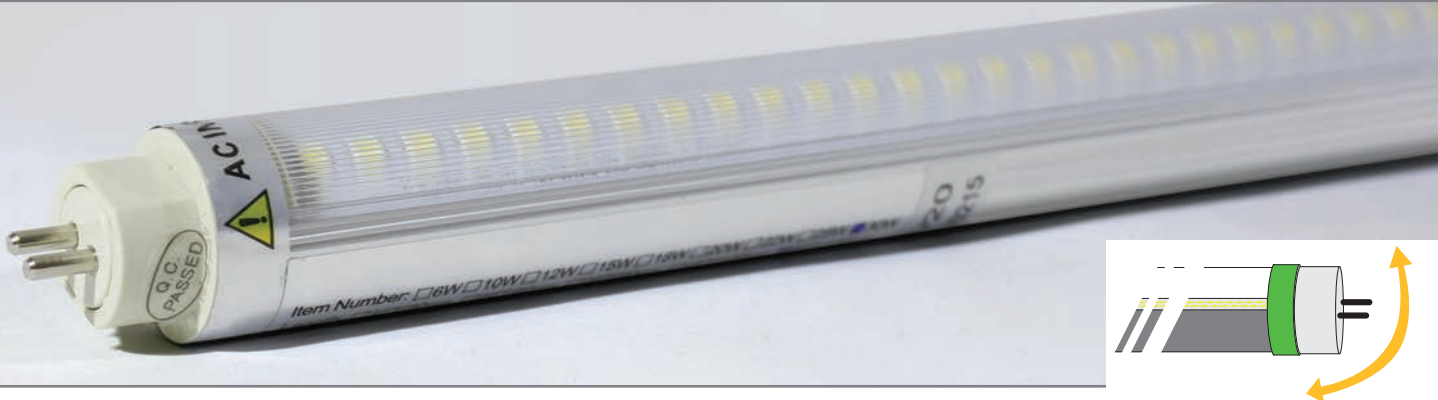




Wir sind heller®

LED
Licht
für Profis

LED Röhren T5 / T6



Lichtstarkes LED T5 / T6 Röhrensystem

T5 Retrofit mit integriertem Treiber.

Verschiedene Lichtfarben (Warmweiß, Neutralweiß und Tageslichtweiß) machen dieses System zu einem idealen Ersatz für herkömmliche T5 Leuchtstoffröhren.

Da LED Röhren - im Gegensatz zur herkömmlichen Technologie - einseitig abstrahlen, wurden hier die Anschlüsse drehbar gestaltet. Dadurch lässt sich die Röhre in der Fassung drehen und so gezielt ausrichten.

Technische Daten:

Lichttechnische Daten

Farbtemperatur [Kelvin]: 3000K, 4000K, 5000K, 6000K

Farbwiedergabeindex [Ra]: > 80

Lichtfarbe: warmweiß, neutralweiß, tageslichtweiß

Abstrahlwinkel [°]: 120°

Aufwärmzeit (60 %) [s]: < 0,50 s

Startzeit [s]: < 0,5 s

LED Daten:

LED (Typ): SMD 2835 Epistar

Elektrische Daten

Nennspannung [Volt]: 220-240 VAC / 50 Hz

Nennlebensdauer [h]: > 30.000 h

Bemessungslebensdauer [h]: > 30.000 h

Schaltzyklen: > 15.000

Lichtstromerhalt Nennlebensdauerende: > 0,70

Lichtstromerhalt Nutzlebensdauerende: > 0,70

Leistungsfaktor (PF): > 0,95

Betriebstemperatur [°C]: -10°C bis 40°C

Lagertemperatur [°C]: -20°C bis 75°C

Dimmbar: Nein

Steuersignal: nicht vorhanden

Material

Gehäuse: Aluminium

Gehäusefarbe: Silber, Aluminium

Abdeckung: Polycarbonat

Abdeckungsfarbe: opal oder klar (Variationen)

Quecksilberfrei: Ja

Zertifikate und Standards

Zertifikate Leuchte: CE (TÜV), RoHS,

Schutzart: IP20

Energieeffizienzklasse (A - E) A

Spezifikationen

Ausrichtung: drehbar

Sockel/Fassung: G5

Typ/Form: T5/T6

Abmessungen

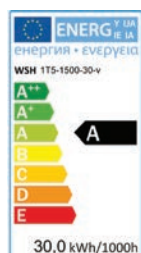
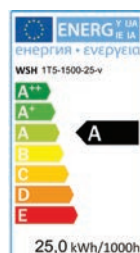
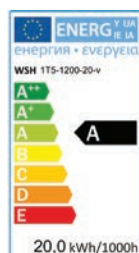
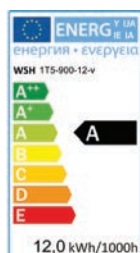
Durchmesser (Ø) [mm]: 22 mm

Lieferumfang

Leuchtmittel [Stk]: 1

Garantie: 3 Jahre

	1T5-600-10-v	1T5-900-12-v	1T5-1200-15-v	1T5-1200-18-v	1T5-1200-20-v	1T5-1500-22-v	1T5-1500-25-v	1T5-1500-30-v
Leistung	10W	12W	15W	18W	20W	22W	25W	30W
Anzahl LED	72 Stück	84 Stück	120 Stück	144 Stück	168 Stück	180 Stück	192 Stück	216 Stück
Lumen klar	950lm	1150lm	1450lm	1750lm	1950lm	2250lm	2600lm	3050lm
Lumen opal	900lm	950lm	1350lm	1650lm	1800lm	2000lm	2400lm	2800lm

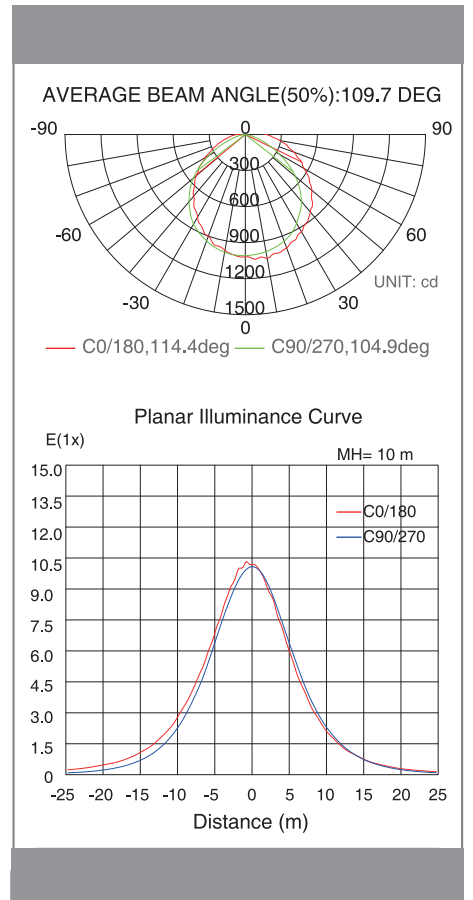
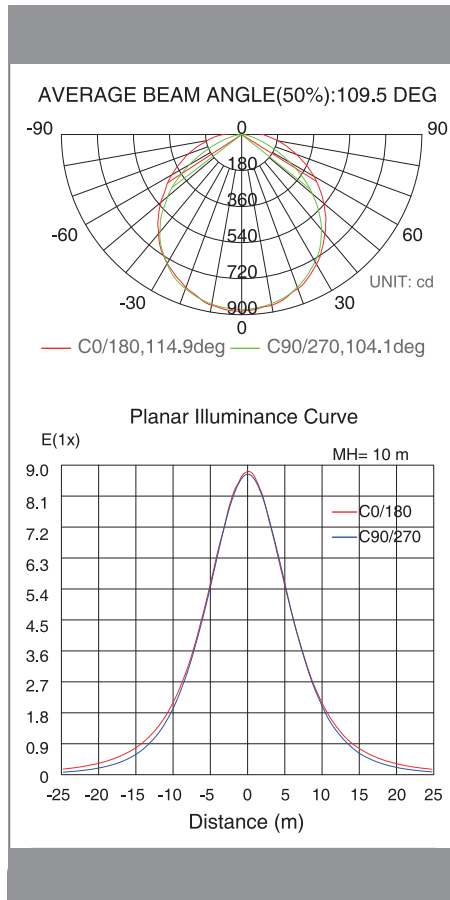
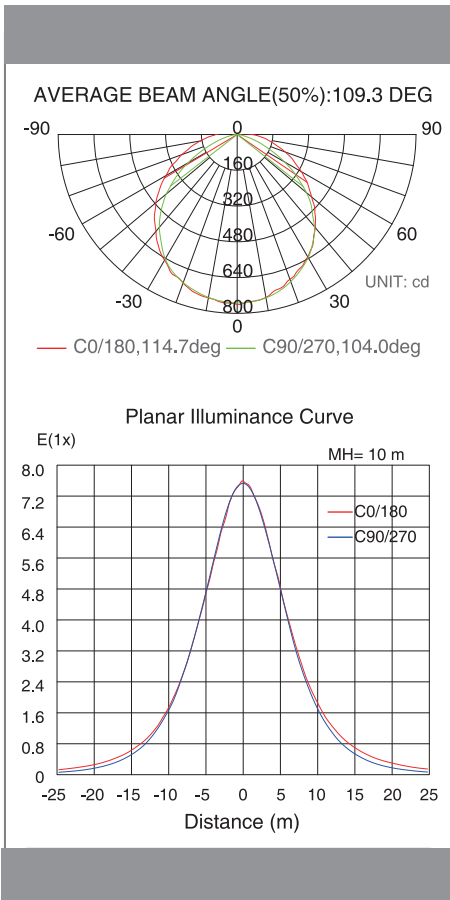


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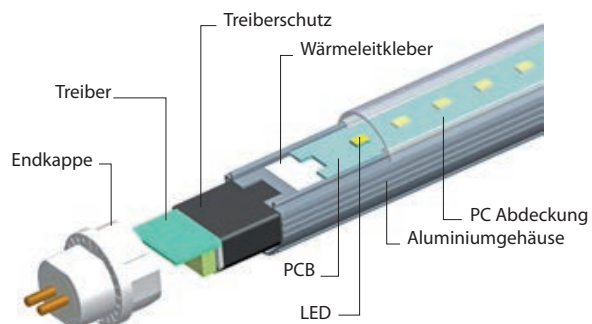
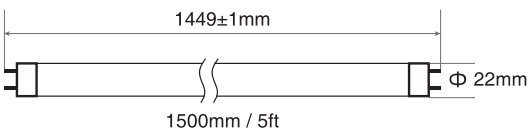
LED Röhren T5 / T6 Lichtdaten



3.281ft	25.43, 70.56fc	8.337ft
1m	273.7, 759.5lx	254.12cm
6.562ft	6.357, 17.64fc	16.67ft
2m	68.43, 189.9lx	508.24cm
9.843ft	2.825, 7.840fc	25.01ft
3m	30.41, 84.39lx	762.36cm
13.12ft	1.589, 4.410fc	33.35ft
4m	17.11, 47.47lx	1016.48cm
16.4ft	1.017, 2.822fc	41.69ft
5m	10.95, 30.38lx	1270.60cm
Height	Eavg, Emax	Angle: 103.59deg Diameter

3.281ft	29.57, 81.94fc	8.366ft
1m	318.3, 881.9lx	254.99cm
6.562ft	7.393, 20.48fc	16.73ft
2m	79.58, 220.5lx	509.98cm
9.843ft	3.286, 9.104fc	25.1ft
3m	35.37, 97.99lx	764.97cm
13.12ft	1.848, 5.121fc	33.46ft
4m	19.89, 55.12lx	1019.96cm
16.4ft	1.183, 3.277fc	41.83ft
5m	12.73, 35.28lx	1274.95cm
Height	Eavg, Emax	Angle: 103.78deg Diameter

3.281ft	32.84, 95.94fc	8.57ft
1m	353.5, 1033lx	261.22cm
6.562ft	8.210, 23.98fc	17.14ft
2m	88.37, 258.2lx	522.44cm
9.843ft	3.649, 10.66fc	25.71ft
3m	39.28, 114.7lx	783.67cm
13.12ft	2.052, 5.996fc	34.28ft
4m	22.09, 64.54lx	1044.89cm
16.4ft	1.314, 3.837fc	42.85ft
5m	14.14, 41.31lx	1306.11cm
Height	Eavg, Emax	Angle: 105.12deg Diameter

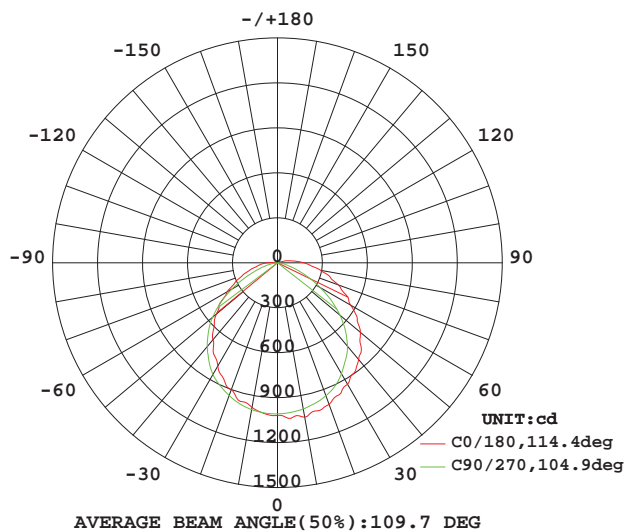




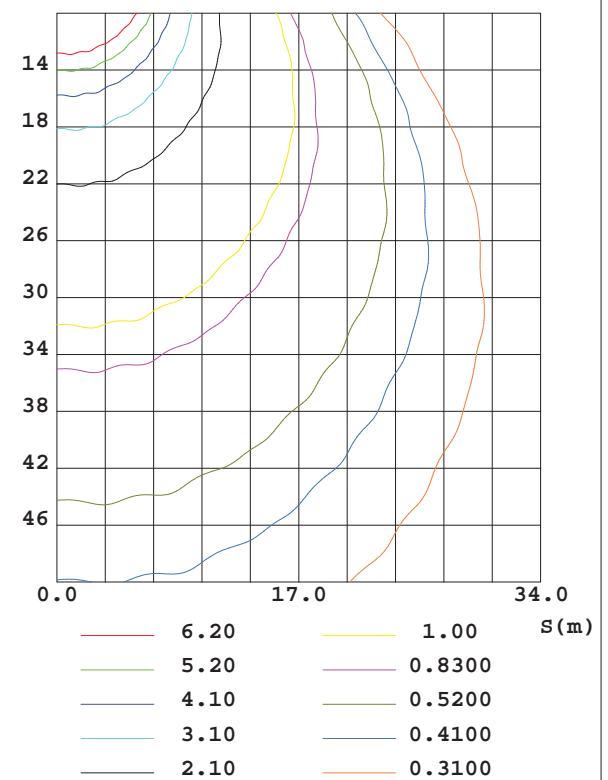
LED Röhren T5 / T6 Messprotokoll 150cm 30W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 102.21 lm/W
MODEL		I _{max} (cd)	1047	S/MH(C0/180)		1.35
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)		1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3096.8	η UP, DN(C0-180)		2.3, 49.7
NOMINAL FLUX(lm)	3096.83	CIE CLASS	DIRECT	η UP, DN(C180-360)		1.8, 46.2
LAMPS INSIDE	1	η up(%)	4.1	CIBSE SHR NOM		1.25
TEST VOLTAGE(V)	220.4	η down(%)	95.9	CIBSE SHR MAX		1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 29DEG
 Operators: Tommy
 Test Date: 2014-08-28

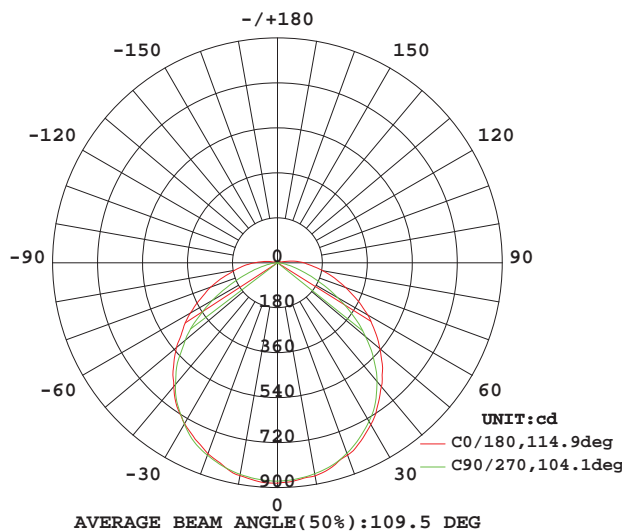
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.275
 Humidity: 51%
 Test Distance: 10.390m [K=1.0000]
 Remarks:



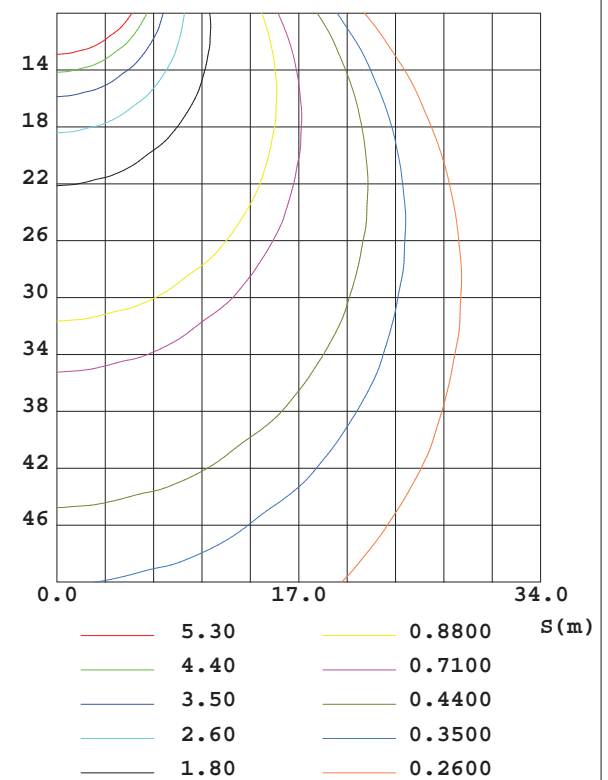
LED Röhren T5 / T6 Messprotokoll 150cm 25W

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	882.3	S/MH(C0/180)	1.26
NOMINAL POWER(W)	26	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2639.1	η UP, DN(C0-180)	1.9, 47.8
NOMINAL FLUX(lm)	2639.13	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.9, 48.4
LAMPS INSIDE	1	η up(%)	3.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.4	η down(%)	96.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 29DEG
 Operators: Tommy
 Test Date: 2014-08-28

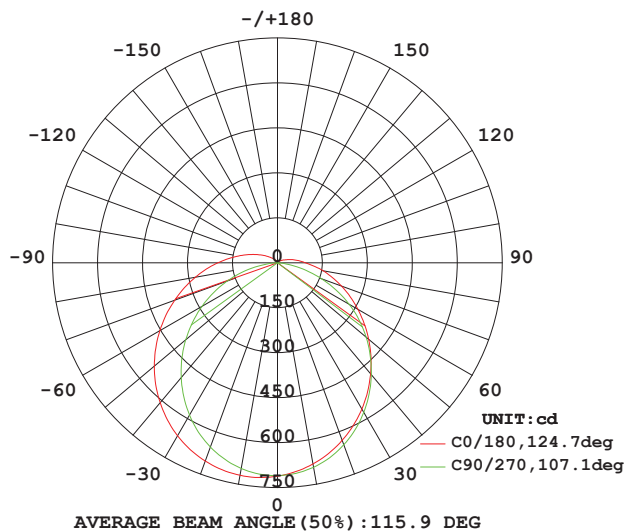
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.275
 Humidity: 51%
 Test Distance: 10.390m [K=1.0000]
 Remarks:



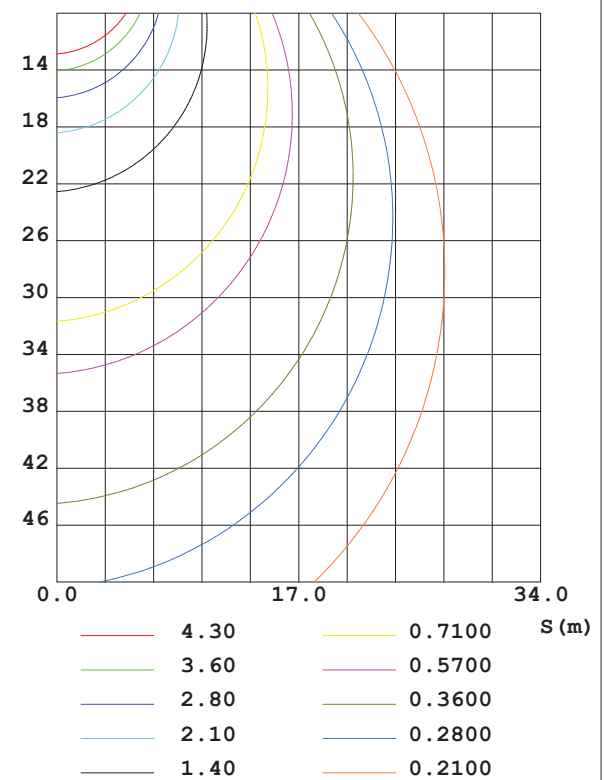
LED Röhren T5 / T6 Messprotokoll 150cm 22W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 102.13 lm/W
MODEL		I _{max} (cd)	720.2	S/MH (C0/180)	1.19	
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	1.21	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	2359.2	η UP, DN (C0-180)	2.5, 44.3	
NOMINAL FLUX (lm)	2359.19	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.8, 49.4	
LAMPS INSIDE	1	η up (%)	6.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	220.1	η down (%)	93.7	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: 汤明
 Test Date: 2013-04-26

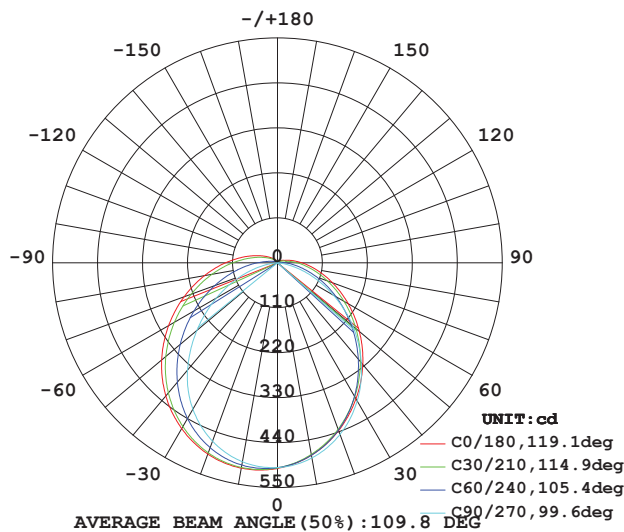
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.275
 Humidity: 87%
 Test Distance: 10.200m [K=1.0000]
 Remarks:



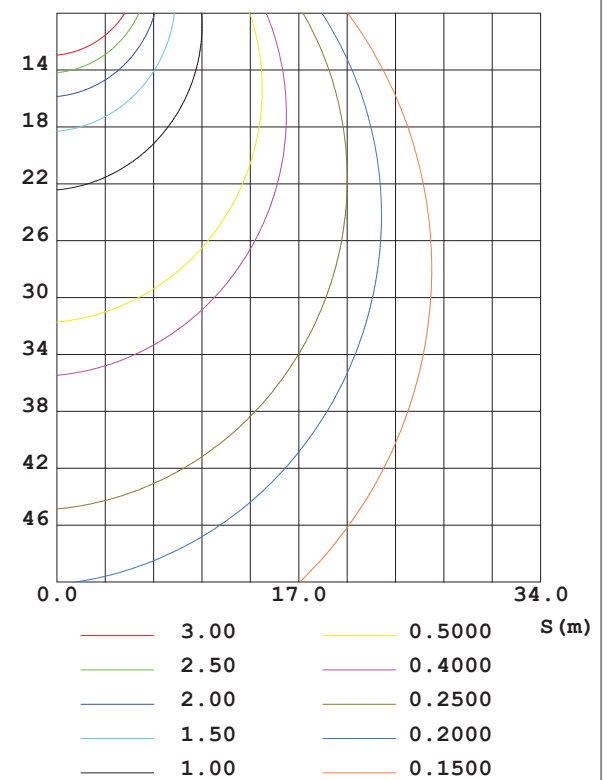
LED Röhren T5 / T6 Messprotokoll 120cm 20W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.94 lm/W
MODEL		I _{max} (cd)	510.2	S/MH (C0/180)	1.15	
NOMINAL POWER (W)	20	LOR (%)	99.7	S/MH (C90/270)	1.17	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1582.3	η UP, DN (C0-180)	2.7, 44.0	
NOMINAL FLUX (lm)	8.8125	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.7, 49.4	
LAMPS INSIDE	180	η up (%)	6.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	220.2	η down (%)	93.4	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 33.3DEG
 Operators:
 Test Date: 2012-08-31

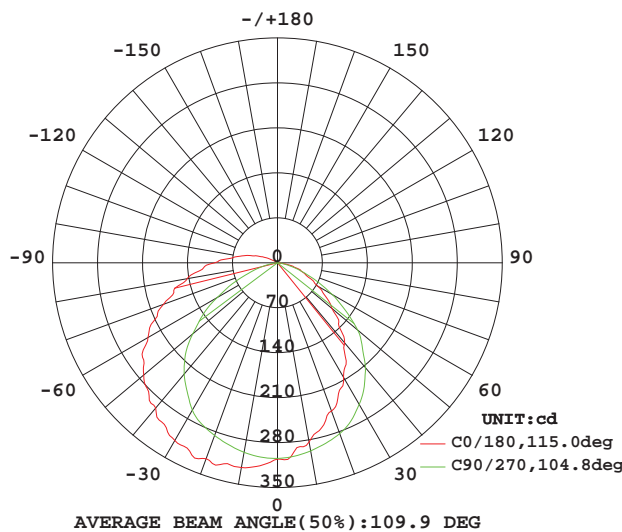
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.275
 Humidity: 55.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:



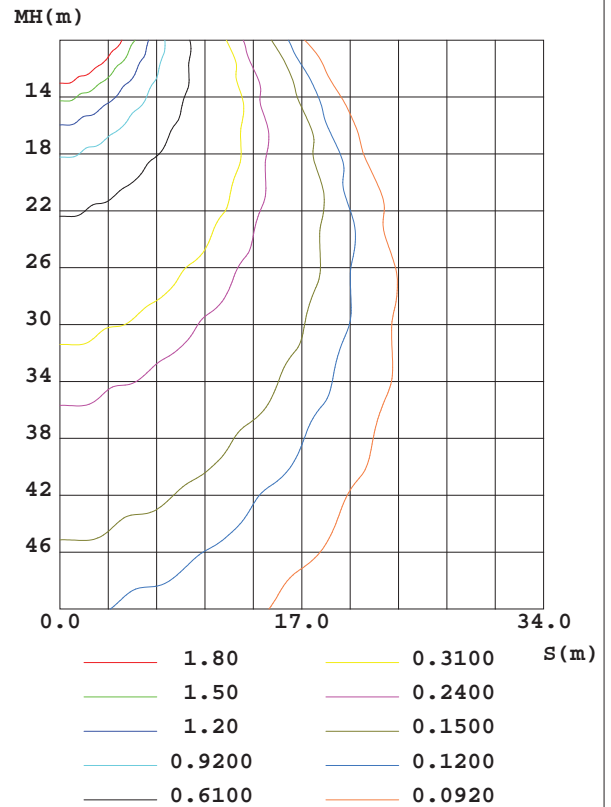
LED Röhren T5 / T6 Messprotokoll 60cm 10W

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.78 lm/W
MODEL		I _{max} (cd)	330.1	S/MH(C0/180)		1.04
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)		1.24
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	976.61	η UP, DN(C0-180)		1.7, 41.1
NOMINAL FLUX(lm)	976.605	CIE CLASS	DIRECT	η UP, DN(C180-360)		3.8, 53.4
LAMPS INSIDE	1	η up(%)	5.5	CIBSE SHR NOM		1.25
TEST VOLTAGE(V)	220.4	η down(%)	94.5	CIBSE SHR MAX		1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 29DEG
 Operators: Tommy
 Test Date: 2014-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.275
 Humidity: 51%
 Test Distance: 10.390m [K=1.0000]
 Remarks: