
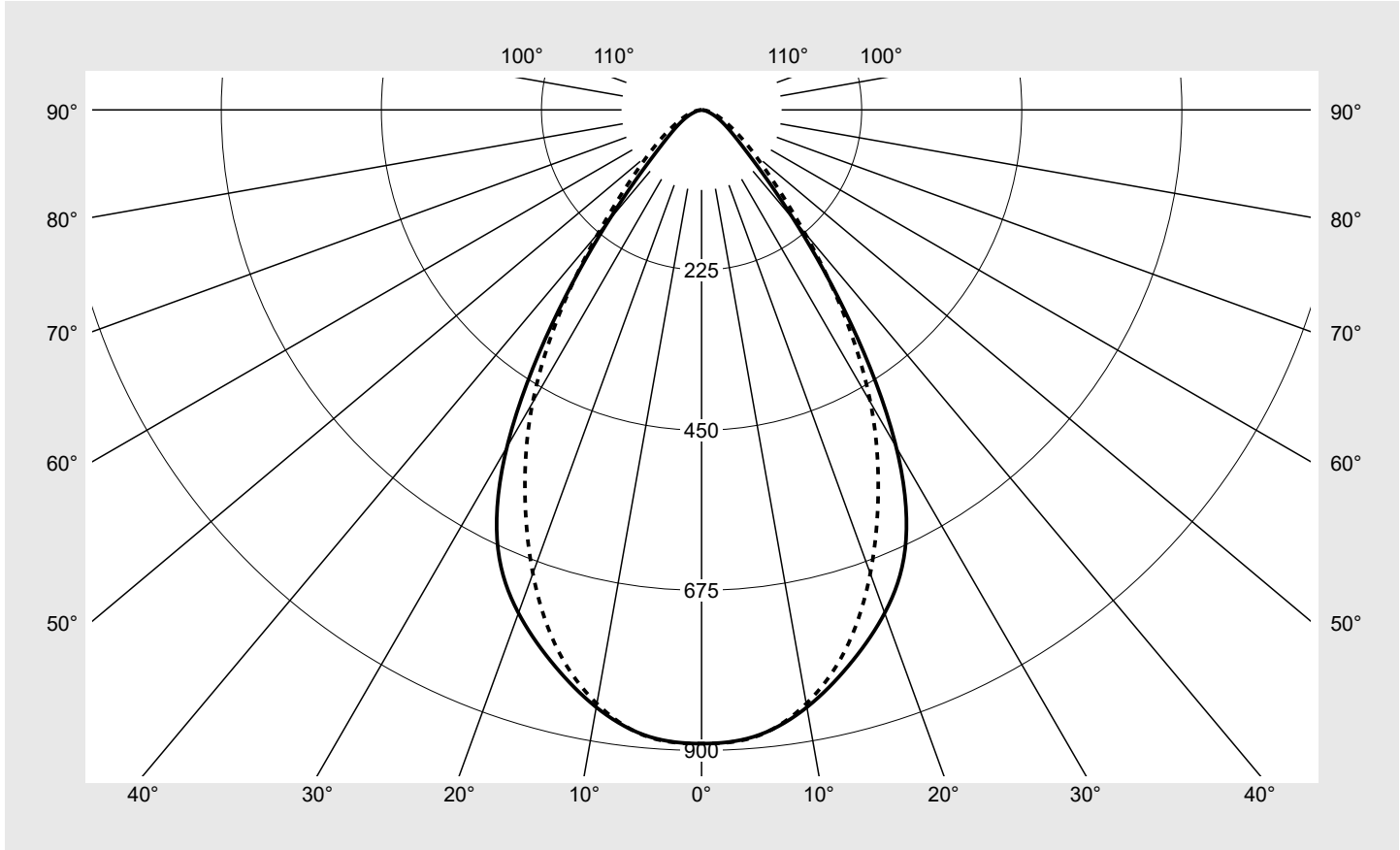


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18DV48XG EAN: 4058352955055	LP number 58691_150
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8000 lm Power consumption = 43.2 W Luminous efficacy = 185.2 lm/W	serial documentation 19.09.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 890 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=83 N2=96 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity



C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	16.8	18.1	17.1	18.4	18.7	17.7	19.0	18.1	19.3	19.6
	3H	17.0	18.1	17.3	18.4	18.8	18.2	19.3	18.6	19.7	20.0
	4H	17.0	18.0	17.4	18.4	18.8	18.4	19.4	18.8	19.8	20.2
	6H	17.0	17.9	17.4	18.3	18.7	18.5	19.5	18.9	19.8	20.2
	8H	17.1	17.9	17.5	18.3	18.7	18.6	19.4	19.1	19.8	20.2
	12H	17.1	17.8	17.5	18.2	18.6	18.6	19.4	19.1	19.8	20.2
4H	2H	16.9	18.0	17.3	18.4	18.7	17.8	18.8	18.2	19.2	19.6
	3H	17.2	18.1	17.7	18.5	18.9	18.4	19.3	18.9	19.7	20.1
	4H	17.3	18.1	17.7	18.5	18.9	18.7	19.5	19.2	19.9	20.4
	6H	17.3	18.0	17.8	18.4	18.9	18.9	19.6	19.4	20.1	20.5
	8H	17.3	17.9	17.8	18.4	18.8	19.0	19.6	19.5	20.1	20.5
	12H	17.3	17.8	17.8	18.3	18.8	19.1	19.6	19.6	20.0	20.5
8H	4H	17.4	18.0	17.9	18.4	18.9	18.8	19.4	19.2	19.8	20.3
	6H	17.4	17.9	17.9	18.4	18.9	19.1	19.5	19.5	20.0	20.5
	8H	17.4	17.9	17.9	18.3	18.9	19.1	19.6	19.7	20.1	20.6
	12H	17.5	17.8	18.0	18.3	18.8	19.2	19.6	19.8	20.1	20.6
12H	4H	17.4	17.9	17.9	18.4	18.9	18.8	19.3	19.3	19.7	20.2
	6H	17.5	17.9	18.0	18.3	18.9	19.1	19.4	19.6	19.9	20.5
	8H	17.5	17.8	18.0	18.3	18.9	19.2	19.5	19.7	20.0	20.6

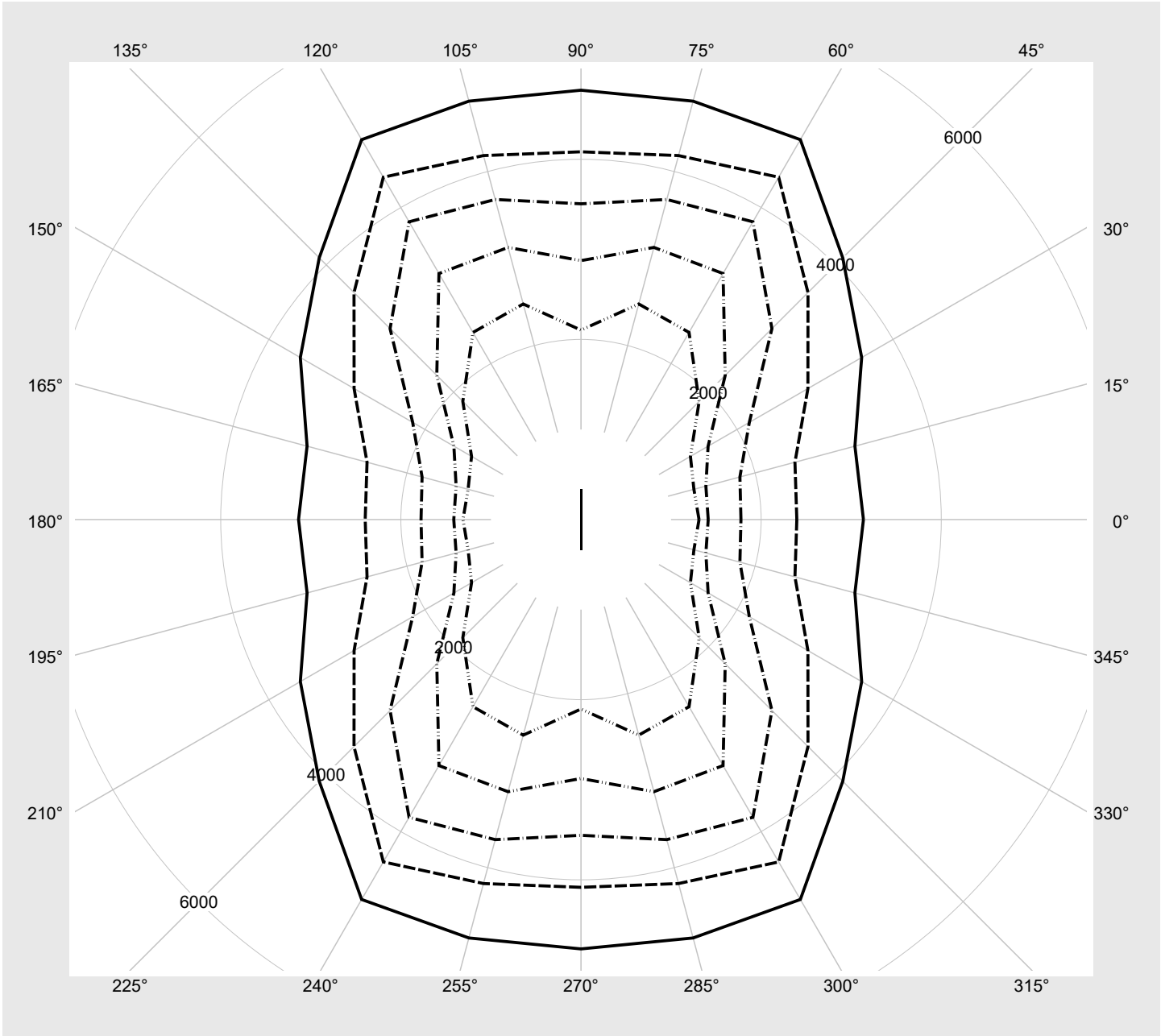
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9434.5	9365.8	8899.7	8986.3	10743.8	12091.2	12496.2	
50°		6365.6	6304.0	5985.6	6354.1	8004.8	9040.9	9274.6	
55°		4872.2	4842.4	4845.1	5233.3	6504.2	7158.8	7245.5	
60°		3914.8	3895.4	4186.9	4663.0	5537.3	5774.0	5768.6	
65°		3135.8	3148.6	3598.2	4110.0	4870.8	4809.4	4767.2	
70°		2396.0	2459.3	2909.0	3564.1	4389.3	4183.9	4083.4	
75°		1775.9	1826.6	2158.0	2997.9	3817.6	3679.3	3505.9	
80°		1412.5	1435.4	1629.6	2264.3	3154.3	3128.2	2875.1	
85°		1310.4	1297.7	1403.2	1855.5	2399.2	2478.0	2103.8	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8000	43.2
95	241	252	7608	41.1
90	228	250	7215	38.9
85	214	248	6788	36.6
80	201	245	6388	34.5
75	188	243	5987	32.4
70	175	240	5586	30.2
65	163	238	5215	28.2
60	150	235	4810	26.0
55	137	231	4403	23.8
50	124	228	3994	21.7
45	112	224	3611	19.7
40	99	219	3198	17.8
35	86	214	2784	15.9
30	74	209	2400	14.3
25	62	202	2013	12.5
20	49	194	1593	10.4
15	37	183	1199	7.7
10	25	169	808	4.5
7	17	155	546	2.7