

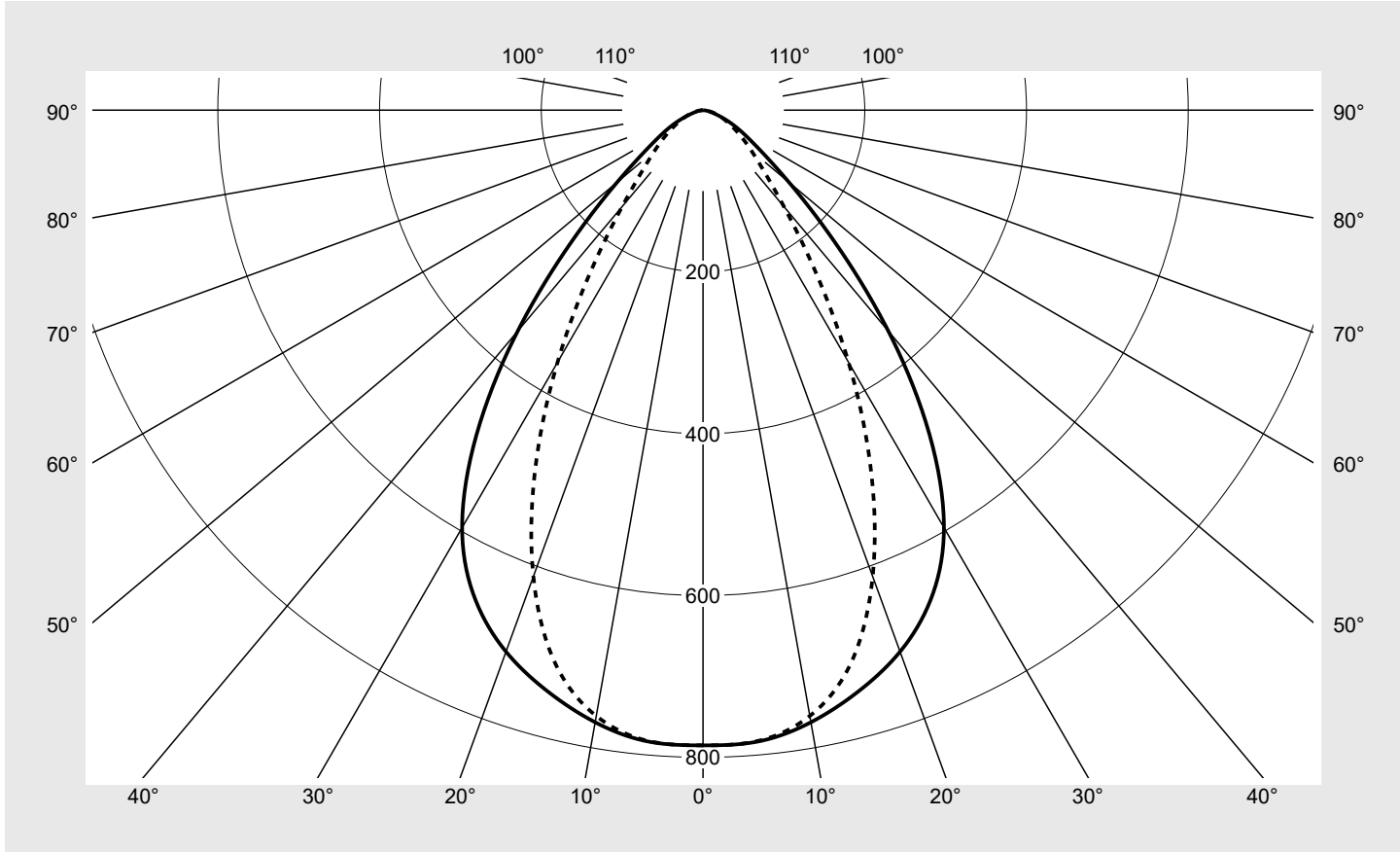


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18DE465M EAN: 4058352929827	LP number 58690_90
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 6940 lm Power consumption = 40.2 W Luminous efficacy = 172.6 lm/W	serial documentation 21.09.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 785 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=78 N2=94 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
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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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	4.7	4.7
5°	783.4	781.4	776.6	779.8	781.8	782.1	782.7	37.3	42.0
10°	768.3	766.7	761.5	762.8	763.5	761.1	760.4	72.7	114.7
15°	743.6	742.7	733.7	728.3	720.6	709.9	707.4	103.1	217.8
20°	712.4	708.4	691.4	669.5	643.5	621.3	613.4	124.9	342.7
25°	666.9	659.0	622.8	576.9	532.3	501.9	491.6	134.0	476.7
30°	595.9	578.6	522.8	456.8	403.1	370.2	359.8	128.3	605.0
35°	487.4	465.5	401.4	331.1	278.9	249.4	240.2	109.5	714.5
40°	356.6	334.8	278.6	220.0	182.5	161.7	155.6	84.2	798.7
45°	229.8	212.6	172.5	137.3	118.7	108.8	106.4	59.3	858.0
50°	138.7	127.9	104.9	89.6	83.6	79.2	78.2	41.5	899.6
55°	86.1	79.8	69.3	65.4	63.7	60.2	58.5	30.7	930.3
60°	57.8	53.9	50.5	51.8	50.6	46.1	43.1	24.0	954.3
65°	38.0	36.1	37.7	39.9	40.1	34.9	31.4	18.5	972.8
70°	21.9	21.5	24.3	28.4	29.8	25.8	22.4	13.0	985.8
75°	11.6	11.4	12.7	17.5	19.8	17.4	14.7	8.1	993.9
80°	5.8	5.7	6.1	8.6	10.9	9.9	8.2	4.3	998.3
85°	2.4	2.3	2.4	3.2	4.0	3.9	3.0	1.7	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	22.9	24.2	23.2	24.5	24.8	20.2	21.6	20.6	21.9	22.2
	3H	23.1	24.3	23.5	24.6	25.0	20.9	22.1	21.3	22.4	22.8
	4H	23.2	24.3	23.6	24.6	25.0	21.2	22.3	21.6	22.6	23.0
	6H	23.2	24.1	23.6	24.5	24.9	21.3	22.4	21.7	22.7	23.1
	8H	23.3	24.1	23.7	24.5	24.9	21.4	22.4	21.9	22.7	23.1
	12H	23.2	24.0	23.7	24.4	24.8	21.4	22.3	21.9	22.7	23.1
4H	2H	22.9	24.1	23.3	24.4	24.8	20.7	21.8	21.1	22.1	22.5
	3H	23.3	24.2	23.7	24.6	25.0	21.6	22.5	22.0	22.9	23.3
	4H	23.4	24.2	23.8	24.6	25.0	22.0	22.8	22.4	23.2	23.7
	6H	23.4	24.1	23.9	24.5	25.0	22.2	23.0	22.7	23.4	23.9
	8H	23.4	24.0	23.9	24.5	24.9	22.3	23.0	22.8	23.4	23.9
	12H	23.4	23.9	23.9	24.4	24.9	22.4	22.9	22.9	23.4	23.9
8H	4H	23.4	24.1	23.9	24.5	25.0	22.1	22.8	22.6	23.2	23.7
	6H	23.5	24.0	24.0	24.4	25.0	22.5	23.0	23.0	23.5	24.0
	8H	23.5	23.9	24.0	24.4	24.9	22.6	23.1	23.1	23.6	24.1
	12H	23.5	23.8	24.0	24.3	24.9	22.7	23.1	23.2	23.6	24.1
12H	4H	23.4	24.0	23.9	24.4	24.9	22.2	22.7	22.7	23.1	23.6
	6H	23.5	23.9	24.0	24.4	24.9	22.5	22.9	23.0	23.4	24.0
	8H	23.5	23.8	24.0	24.3	24.9	22.7	23.0	23.2	23.5	24.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 750 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°	45°	51851.3	47976.5	38920.8	30969.1	26783.1	24542.2	24016.5	
50°	50°	34419.7	31750.1	26028.3	22242.0	20742.6	19656.7	19398.9	
55°	55°	23953.4	22188.3	19266.3	18204.4	17720.7	16738.5	16274.8	
60°	60°	18445.4	17198.4	16122.2	16512.7	16148.3	14723.6	13749.5	
65°	65°	14334.2	13617.7	14216.4	15052.2	15119.4	13167.0	11858.9	
70°	70°	10231.9	10039.2	11316.9	13226.1	13902.5	12011.9	10433.9	
75°	75°	7173.9	7003.1	7854.4	10814.4	12181.6	10754.0	9082.9	
80°	80°	5346.2	5194.6	5622.8	7858.1	9975.8	9134.3	7497.0	
85°	85°	4455.5	4248.6	4455.5	5927.2	7327.6	7228.7	5552.0	

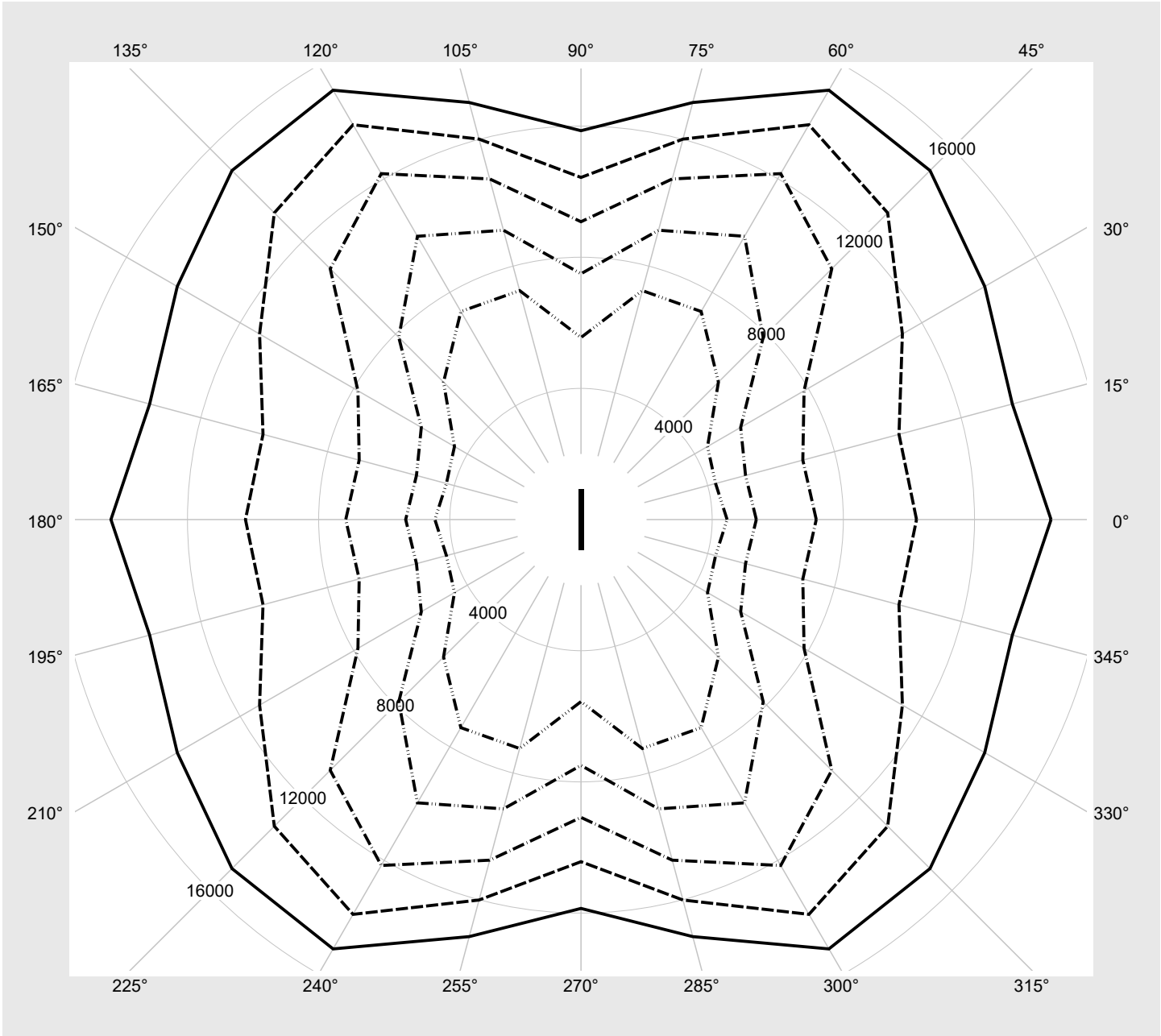
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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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	6940	40.2
95	240	252	6586	38.0
90	227	250	6253	36.0
85	213	248	5890	33.9
80	200	245	5552	31.8
75	187	243	5211	29.9
70	174	240	4868	27.8
65	161	237	4524	25.7
60	148	234	4174	23.7
55	135	231	3823	21.6
50	122	227	3468	19.4
45	109	223	3110	17.4
40	97	219	2777	15.4
35	85	214	2441	14.0
30	72	208	2074	12.5
25	60	201	1734	10.8
20	48	193	1389	9.1
15	36	182	1044	6.5
10	24	168	696	3.6
8	20	161	579	2.8