

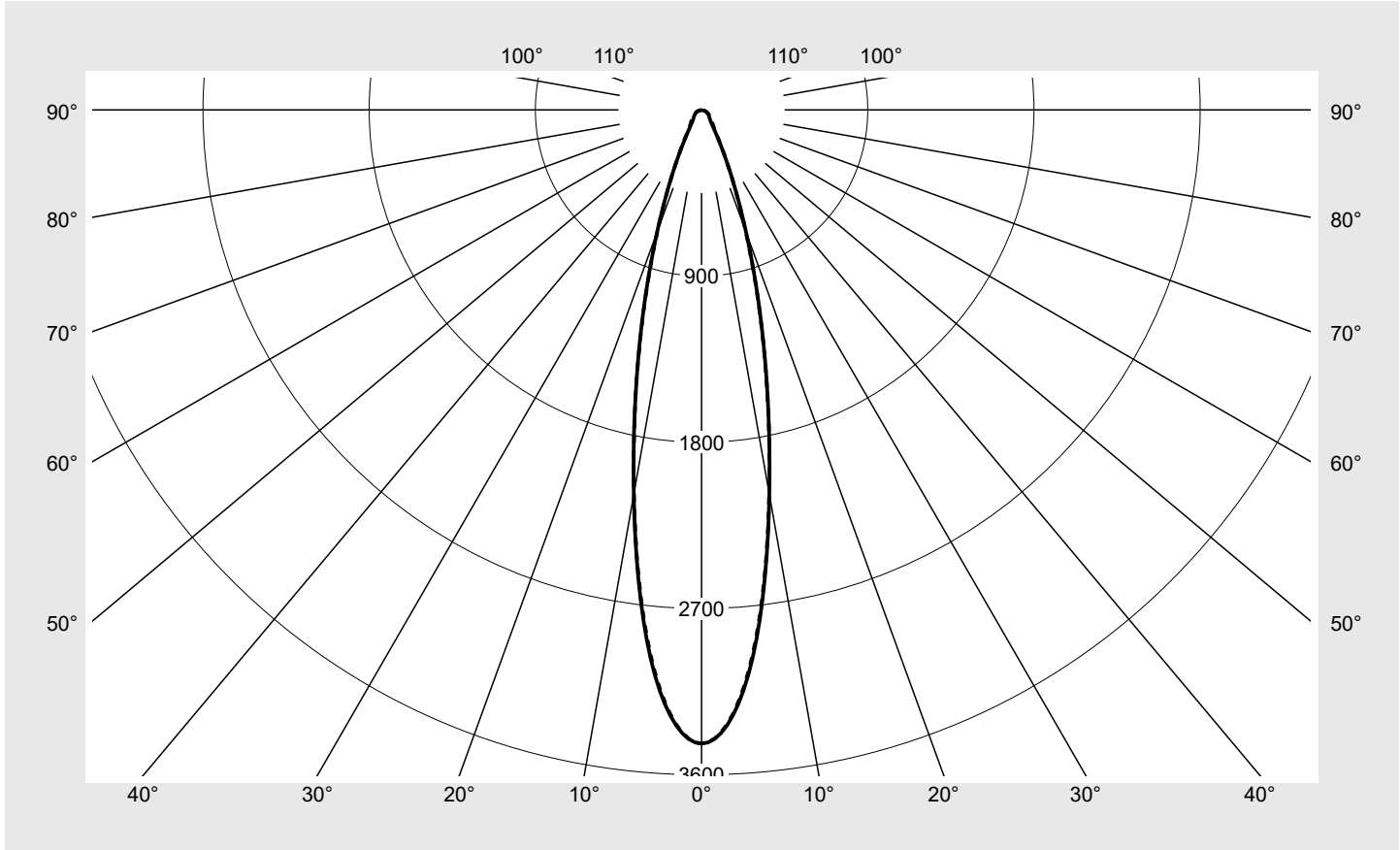


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL11DN4DXRE EAN: 4058352447192	LP number 58784_17
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI	serial documentation 05.10.2020
	Rated values Net luminous flux = 13060 lm Power consumption = 76.5 W Luminous efficacy = 170.7 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 3431 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=95 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°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	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	16.9	18.1	17.3	18.4	18.7	17.3	18.4	17.7	18.8	19.1
	3H	18.3	19.3	18.7	19.6	20.0	18.7	19.7	19.1	20.0	20.4
	4H	18.7	19.6	19.1	19.9	20.3	19.2	20.1	19.6	20.5	20.9
	6H	18.8	19.6	19.2	20.0	20.4	19.6	20.4	20.0	20.8	21.2
	8H	18.9	19.6	19.3	20.0	20.4	19.7	20.4	20.2	20.8	21.2
	12H	18.9	19.6	19.3	20.0	20.4	19.8	20.4	20.2	20.8	21.2
4H	2H	17.7	18.6	18.1	18.9	19.3	18.0	18.9	18.4	19.2	19.6
	3H	19.1	19.9	19.6	20.3	20.7	19.6	20.3	20.0	20.7	21.1
	4H	19.6	20.3	20.0	20.7	21.1	20.2	20.9	20.6	21.3	21.7
	6H	19.8	20.4	20.2	20.8	21.3	20.6	21.2	21.0	21.6	22.1
	8H	19.8	20.3	20.3	20.8	21.3	20.7	21.2	21.2	21.7	22.2
	12H	19.8	20.3	20.3	20.7	21.2	20.8	21.2	21.3	21.7	22.2
8H	4H	19.9	20.4	20.4	20.9	21.4	20.5	21.0	20.9	21.4	21.9
	6H	20.2	20.6	20.7	21.1	21.6	21.0	21.4	21.5	21.9	22.4
	8H	20.2	20.6	20.7	21.1	21.6	21.1	21.5	21.6	22.0	22.5
	12H	20.2	20.5	20.8	21.0	21.6	21.2	21.5	21.7	22.0	22.6
12H	4H	19.9	20.4	20.4	20.8	21.3	20.4	20.9	20.9	21.3	21.8
	6H	20.2	20.6	20.7	21.1	21.6	21.0	21.3	21.5	21.8	22.4
	8H	20.3	20.6	20.8	21.1	21.6	21.2	21.5	21.7	22.0	22.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 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°		12889.5	12466.6	12108.0	12075.7	12290.8	14154.7	16036.5	
50°		12318.2	12033.5	11967.9	11823.3	11669.4	13081.1	14762.8	
55°		11736.5	11369.3	11889.3	11782.5	11259.6	12128.0	13525.3	
60°		11197.7	10832.0	11458.6	11943.7	11178.8	11409.0	12561.3	
65°		10579.0	10277.4	11008.4	12060.9	11275.5	10916.1	11718.5	
70°		9598.0	9515.9	10045.7	11787.3	11105.2	10225.6	10681.7	
75°		7098.0	7354.4	8388.5	10709.1	10250.9	9079.9	9260.3	
80°		4790.1	4834.2	5559.5	7802.8	8608.5	7575.4	7435.4	
85°		3768.6	3696.2	4080.3	5461.7	5985.3	5809.6	5124.1	

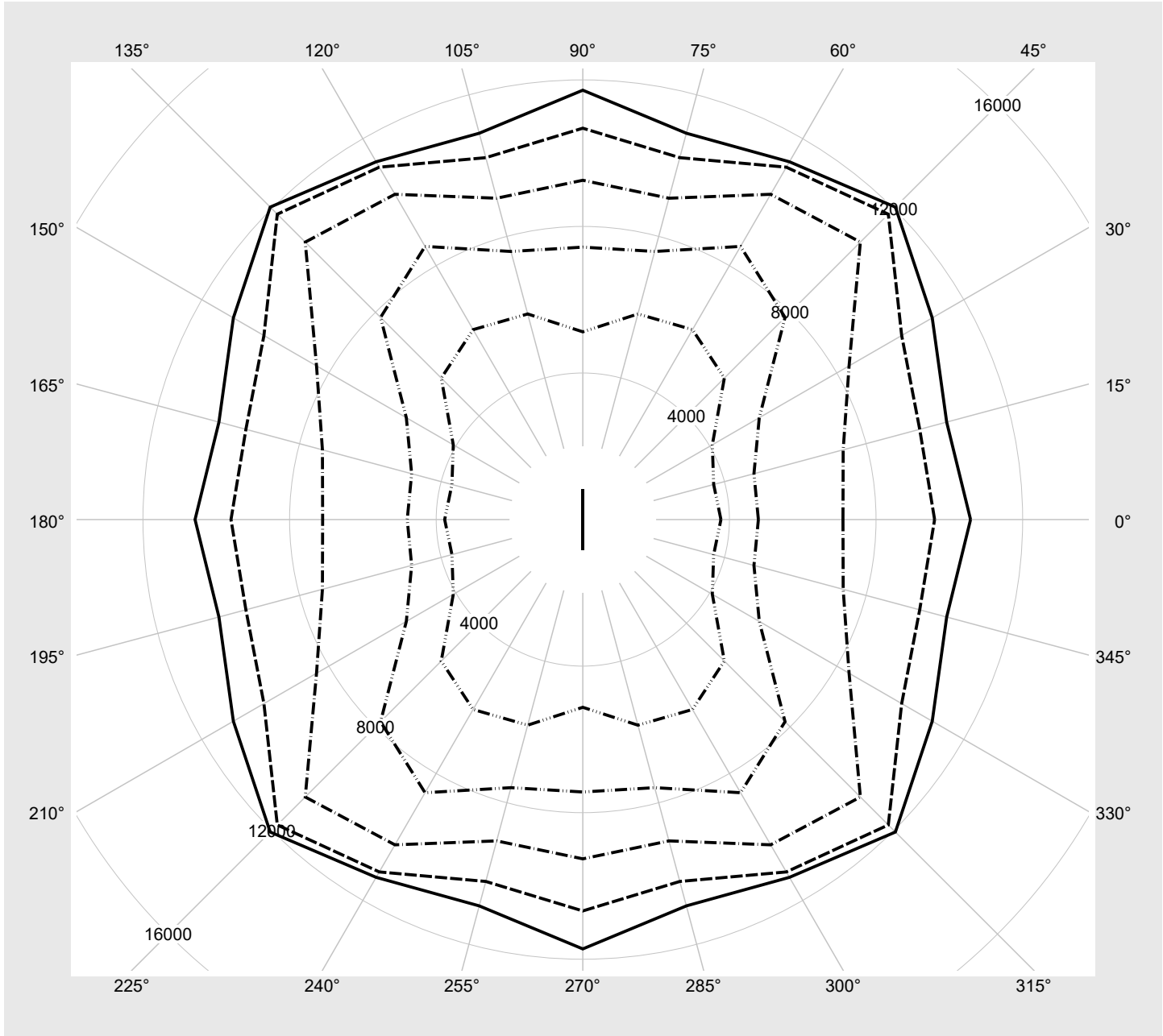
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Luminance values in cd/m²

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	13060	76.5
95	240	252	12412	72.2
90	226	250	11732	67.9
85	212	247	11078	63.7
80	199	245	10446	59.9
75	186	243	9813	56.0
70	173	240	9153	52.0
65	159	237	8471	48.0
60	147	234	7860	44.5
55	134	231	7199	40.7
50	121	227	6539	36.9
45	109	223	5900	33.4
40	96	218	5208	29.7
35	84	213	4568	26.3
30	72	208	3929	22.9
25	60	201	3290	19.5
20	48	193	2620	15.9
15	36	182	1980	12.7
10	24	168	1309	9.3
5	13	145	694	6.2