

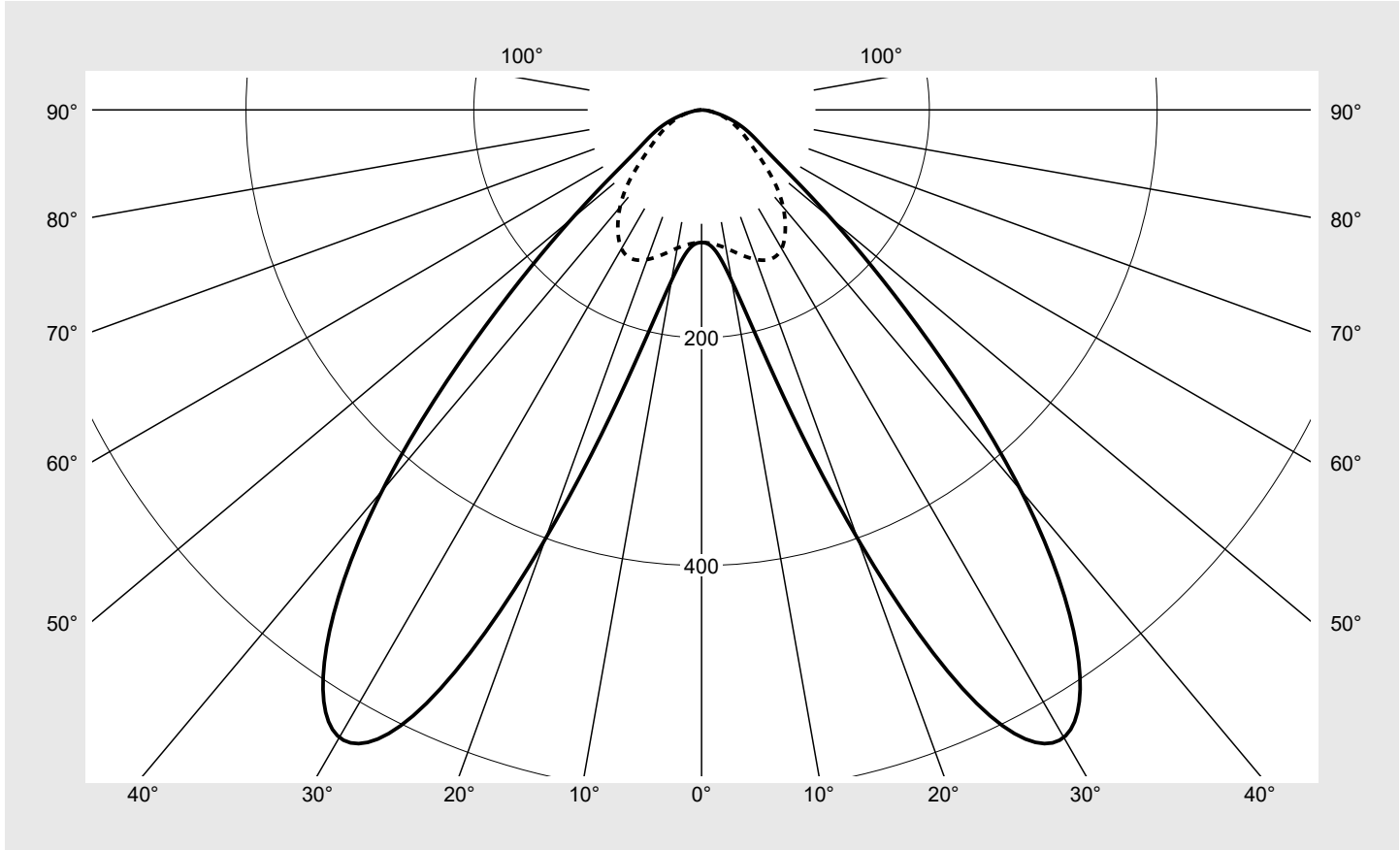


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL19DV4E5G EAN: 4058352891568	LP number 58532_351
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 14780 lm Power consumption = 85.3 W Luminous efficacy = 173.3 lm/W	serial documentation 02.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 N3=98 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° 165° 195° 345°	Luminous intensity in cd/klm					90° 270°	Phi-zone	Total Phi-zone
			30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	Luminous flux in lm/klm			
0°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.7	3.1	1000.0
90°	0.0	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	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	25.1	26.7	25.5	27.0	27.4	23.9	25.6	24.3	25.9	26.2
	3H	25.3	26.7	25.6	27.0	27.4	24.2	25.7	24.6	26.0	26.3
	4H	25.3	26.7	25.7	27.0	27.4	24.3	25.7	24.7	26.0	26.4
	6H	25.3	26.6	25.7	26.9	27.3	24.3	25.6	24.7	26.0	26.4
	8H	25.4	26.5	25.8	26.9	27.3	24.3	25.5	24.7	25.9	26.3
	12H	25.3	26.4	25.8	26.8	27.2	24.3	25.5	24.7	25.9	26.3
4H	2H	25.5	26.9	25.9	27.2	27.6	24.6	26.0	25.0	26.3	26.7
	3H	25.8	26.9	26.2	27.3	27.7	25.4	26.5	25.8	26.9	27.3
	4H	25.9	26.9	26.3	27.3	27.7	25.6	26.6	26.1	27.0	27.5
	6H	25.9	26.8	26.4	27.2	27.7	25.7	26.6	26.2	27.1	27.5
	8H	25.9	26.7	26.4	27.1	27.6	25.7	26.6	26.2	27.0	27.5
	12H	25.9	26.6	26.4	27.1	27.6	25.7	26.5	26.2	27.0	27.4
8H	4H	26.0	26.8	26.5	27.3	27.8	25.8	26.6	26.3	27.1	27.5
	6H	26.1	26.8	26.6	27.2	27.7	26.1	26.8	26.6	27.2	27.7
	8H	26.1	26.7	26.6	27.2	27.7	26.2	26.8	26.7	27.3	27.8
	12H	26.1	26.6	26.6	27.1	27.6	26.2	26.7	26.7	27.2	27.8
12H	4H	26.0	26.8	26.5	27.2	27.7	25.8	26.5	26.3	27.0	27.5
	6H	26.1	26.7	26.6	27.2	27.7	26.1	26.7	26.6	27.2	27.7
	8H	26.1	26.7	26.7	27.2	27.7	26.3	26.7	26.8	27.2	27.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			B = 58

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°		43031.8	48012.1	73519.9	96929.1	53491.4	19622.6	14605.2	
50°		26264.7	29660.5	48722.8	73961.5	45691.2	17164.3	12153.5	
55°		16850.8	18856.0	29859.3	48560.0	39431.0	15649.5	10477.7	
60°		13430.9	14439.8	19935.2	31364.6	34582.9	14734.0	9537.3	
65°		12031.1	12608.3	16294.2	22755.1	29671.9	13767.1	8832.1	
70°		10510.4	10957.8	14085.4	18627.0	25277.3	12724.1	8173.5	
75°		8316.8	8804.8	11388.3	15279.3	21714.1	11516.9	7435.1	
80°		5731.1	6098.9	8279.3	11885.4	17604.7	9925.5	6414.6	
85°		4479.3	4672.9	6053.0	8774.1	12406.1	7612.3	4865.2	

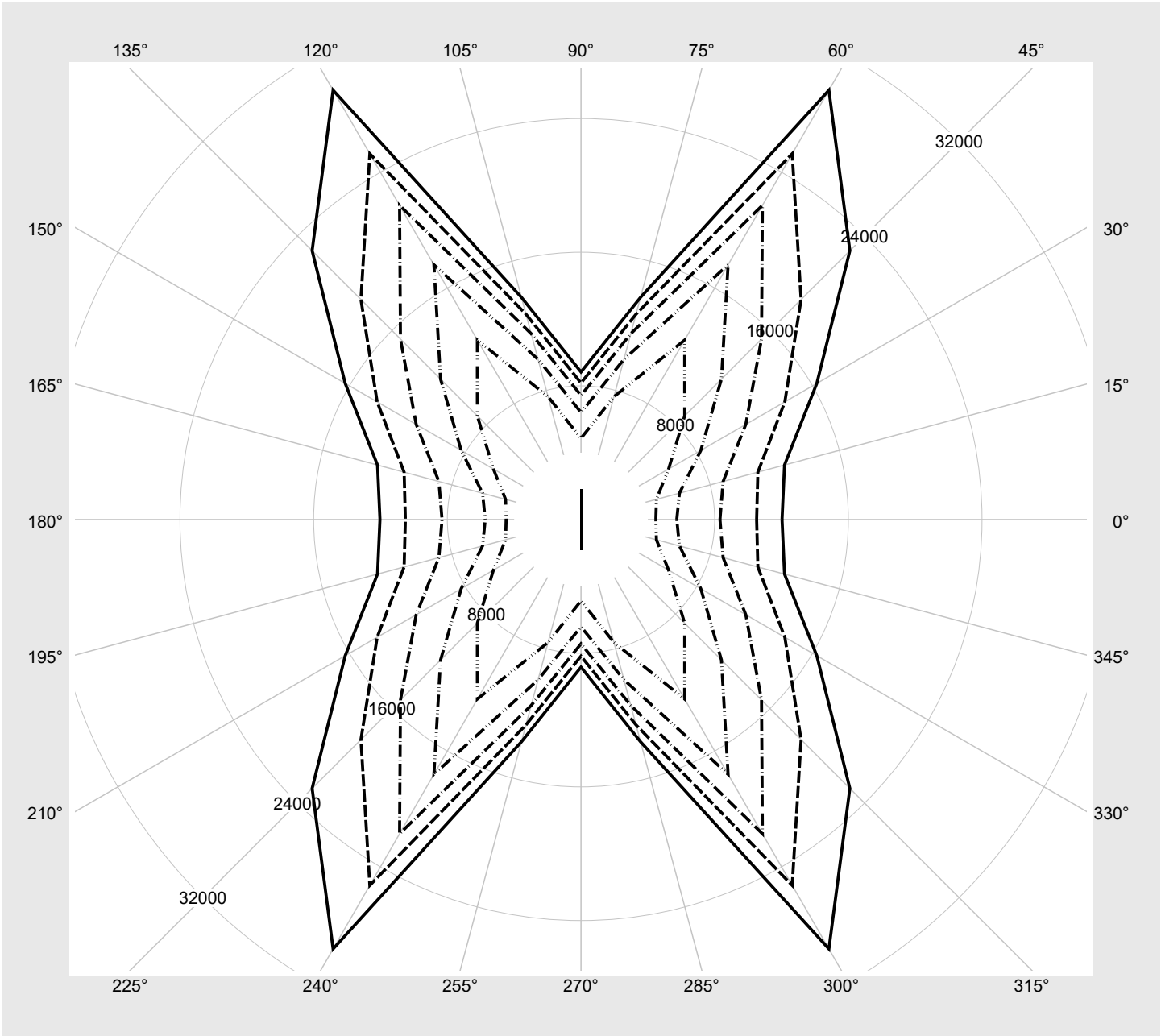
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Luminance values in cd/m²

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	14780	85.3
95	240	252	14036	80.7
90	226	250	13283	76.1
85	213	248	12574	71.7
80	199	245	11805	67.0
75	186	243	11078	62.7
70	173	240	10349	58.3
65	160	237	9614	54.0
60	147	234	8871	49.7
55	134	231	8119	45.4
50	122	227	7418	41.4
45	109	223	6652	37.3
40	97	219	5941	33.4
35	84	213	5163	29.2
30	72	208	4436	25.3
25	60	201	3705	21.5
20	48	193	2970	17.4
15	36	182	2229	13.3
10	24	168	1483	9.0
5	12	142	732	4.4
2	4	102	226	1.4