

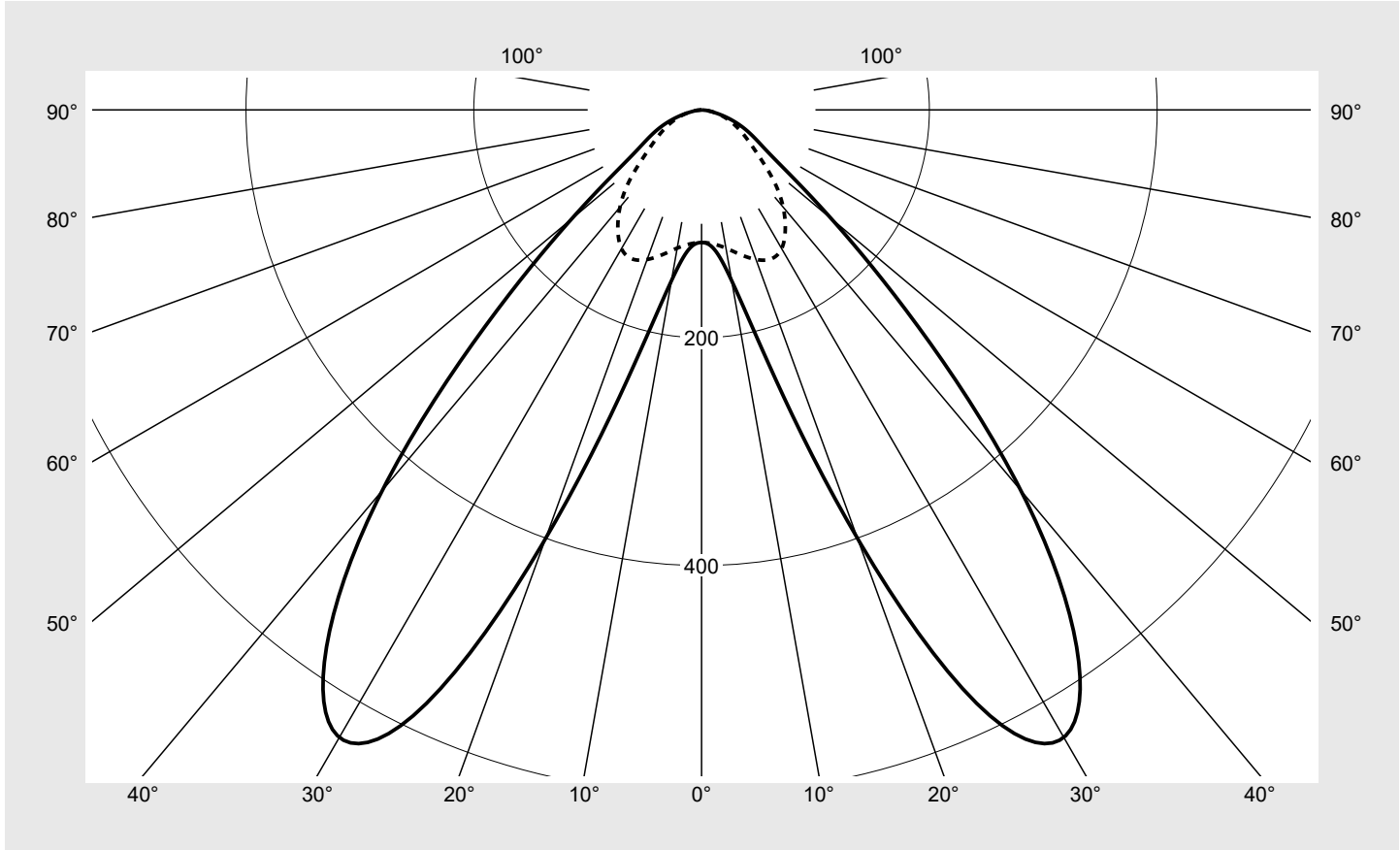


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL19DV4E5G EAN: 4058352925201	LP number 58532_395
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 14720 lm Power consumption = 84.1 W Luminous efficacy = 175 lm/W	serial documentation 14.09.2023
		

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		

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°	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	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	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	25.1	26.7	25.4	27.0	27.3	23.9	25.5	24.3	25.8	26.2
	3H	25.2	26.7	25.6	27.0	27.4	24.2	25.6	24.6	26.0	26.3
	4H	25.3	26.6	25.7	27.0	27.4	24.3	25.6	24.7	26.0	26.4
	6H	25.3	26.5	25.7	26.9	27.3	24.3	25.6	24.7	26.0	26.3
	8H	25.3	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	26.8	25.9	27.2	27.6	24.6	26.0	25.0	26.3	26.7
	3H	25.7	26.9	26.2	27.3	27.7	25.3	26.5	25.8	26.9	27.3
	4H	25.8	26.9	26.3	27.3	27.7	25.6	26.6	26.0	27.0	27.5
	6H	25.9	26.8	26.3	27.2	27.6	25.7	26.6	26.2	27.0	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	27.5	25.7	26.5	26.2	26.9	27.4
8H	4H	26.0	26.8	26.5	27.3	27.7	25.8	26.6	26.3	27.0	27.5
	6H	26.1	26.7	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	26.6	26.6	27.1	27.7	26.2	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°	42857.2	47817.2	73221.4	96535.6	53274.2	19543.0	14545.9	
	50°	26158.1	29540.1	48525.0	73661.3	45505.7	17094.6	12104.1	
	55°	16782.4	18779.4	29738.0	48362.9	39270.9	15585.9	10435.1	
	60°	13376.4	14381.2	19854.3	31237.3	34442.5	14674.2	9498.6	
	65°	11982.2	12557.1	16228.1	22662.8	29551.5	13711.2	8796.2	
	70°	10467.7	10913.3	14028.2	18551.4	25174.7	12672.4	8140.4	
	75°	8283.1	8769.0	11342.1	15217.3	21626.0	11470.2	7404.9	
	80°	5707.8	6074.1	8245.7	11837.1	17533.2	9885.2	6388.5	
	85°	4461.1	4653.9	6028.4	8738.4	12355.7	7581.4	4845.5	

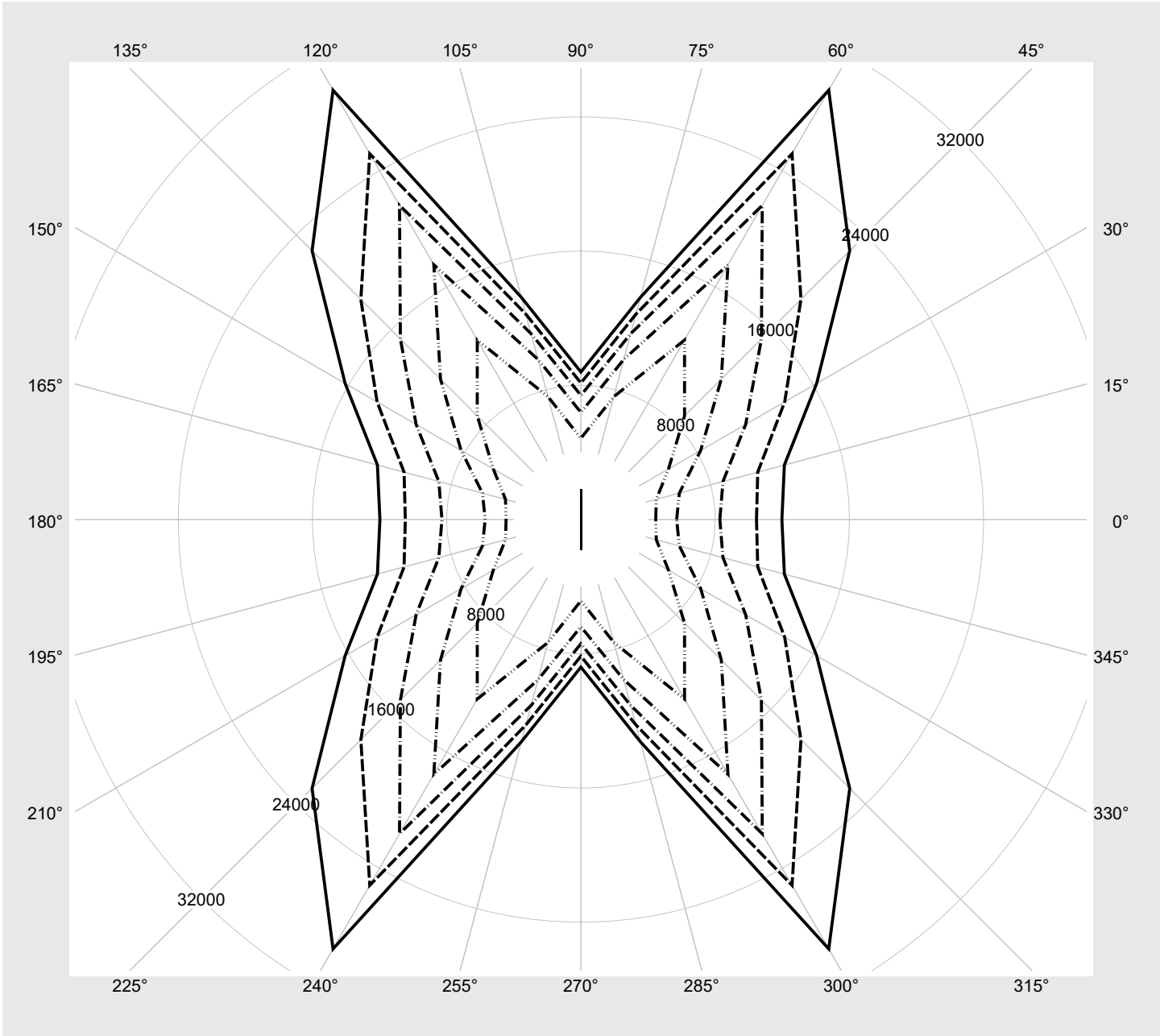
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Luminance values in cd/m²

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	14720	84.1
95	240	252	13978	79.4
90	226	250	13222	74.7
85	213	248	12517	70.4
80	199	245	11753	65.7
75	186	243	11032	61.4
70	173	240	10310	57.0
65	160	237	9580	52.7
60	147	234	8842	48.5
55	134	231	8092	44.2
50	121	227	7340	40.0
45	109	223	6640	36.2
40	96	218	5870	32.1
35	84	213	5158	28.2
30	72	208	4439	24.5
25	59	201	3650	20.4
20	47	192	2919	16.4
15	35	181	2181	12.3
10	24	168	1498	8.5
5	12	142	743	4.2
2	4	102	240	1.3