

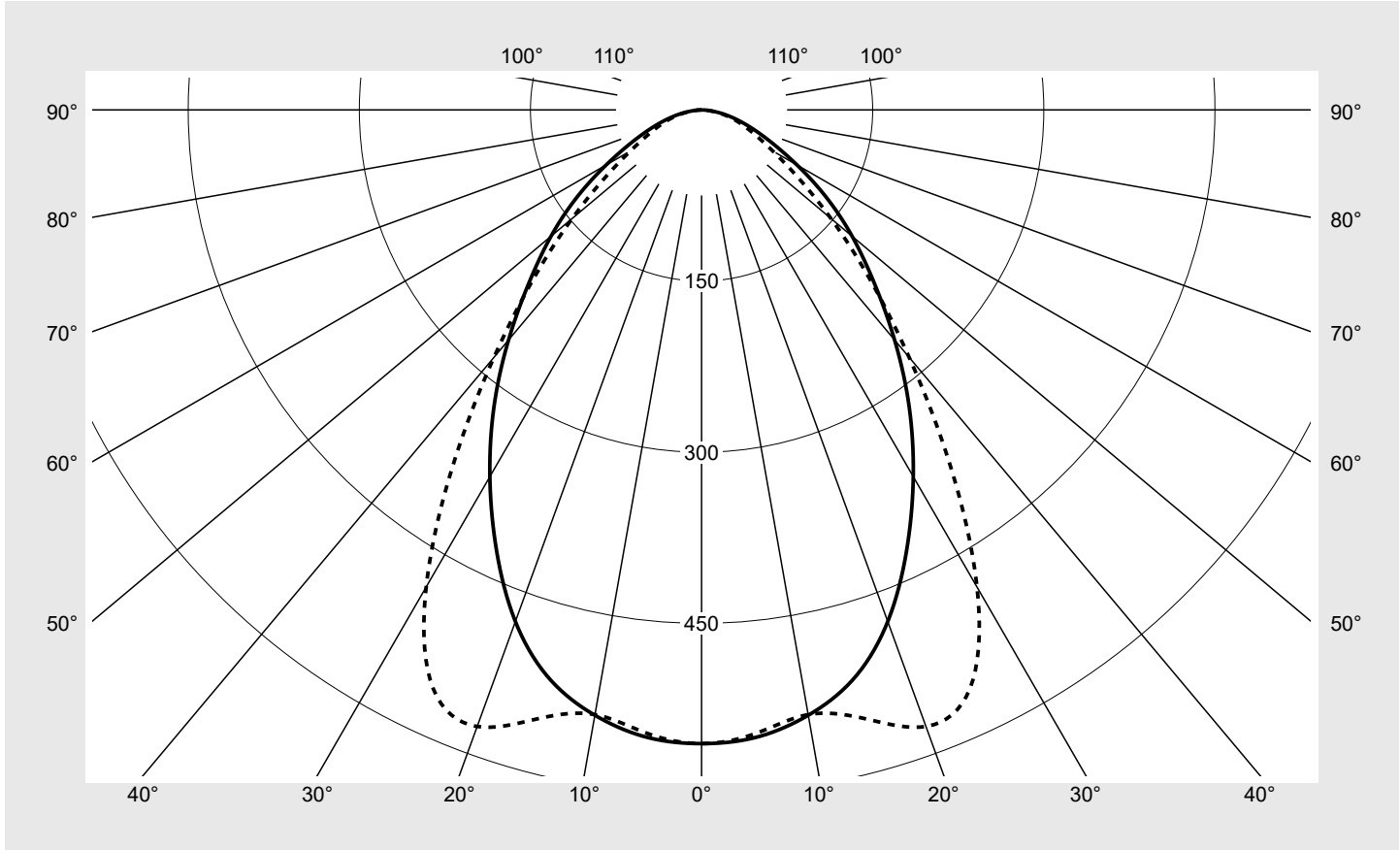


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DV4M2M3C EAN: 4058352935187	LP number 58689_146
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 27150 lm Power consumption = 154.3 W Luminous efficacy = 176 lm/W	serial documentation 12.10.2023 

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 575 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 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
		sITeco

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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	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	24.9	26.4	25.3	26.7	27.1	24.4	25.9	24.8	26.2	26.5
	3H	25.7	27.0	26.1	27.3	27.7	25.0	26.3	25.4	26.7	27.0
	4H	26.0	27.2	26.4	27.5	27.9	25.3	26.5	25.7	26.8	27.2
	6H	26.2	27.3	26.6	27.7	28.1	25.5	26.6	25.9	27.0	27.4
	8H	26.3	27.3	26.7	27.7	28.1	25.6	26.6	26.0	27.0	27.4
	12H	26.3	27.3	26.8	27.7	28.1	25.6	26.6	26.1	27.0	27.4
4H	2H	25.3	26.5	25.7	26.9	27.2	24.8	26.1	25.2	26.4	26.8
	3H	26.1	27.1	26.5	27.5	27.9	25.6	26.6	26.0	27.0	27.4
	4H	26.4	27.4	26.9	27.8	28.2	26.0	26.9	26.4	27.3	27.7
	6H	26.7	27.5	27.2	28.0	28.4	26.2	27.0	26.7	27.5	27.9
	8H	26.8	27.5	27.3	28.0	28.5	26.3	27.1	26.8	27.5	28.0
	12H	26.9	27.5	27.4	28.0	28.5	26.4	27.0	26.9	27.5	28.0
8H	4H	26.5	27.3	27.0	27.7	28.2	26.1	26.8	26.6	27.3	27.7
	6H	26.9	27.5	27.4	27.9	28.4	26.4	27.0	26.9	27.5	28.0
	8H	27.0	27.5	27.5	28.0	28.5	26.6	27.1	27.1	27.6	28.1
	12H	27.1	27.5	27.6	28.0	28.5	26.7	27.1	27.2	27.6	28.1
12H	4H	26.6	27.2	27.0	27.6	28.1	26.1	26.7	26.6	27.2	27.7
	6H	26.9	27.4	27.4	27.9	28.4	26.5	27.0	27.0	27.4	28.0
	8H	27.0	27.4	27.5	27.9	28.5	26.6	27.0	27.1	27.5	28.1

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°		62876.6	60017.6	67688.6	67807.2	59672.5	58895.8	60913.3
50°		55757.3	51864.3	57359.4	57169.4	48422.4	46381.1	47900.4
55°		48360.0	44090.8	45832.9	46817.3	40542.3	36645.3	37360.6
60°		40224.9	36564.9	35463.1	37522.8	34590.6	29546.3	29984.0
65°		33318.9	30042.8	27728.6	30060.5	29795.2	25027.9	25629.0
70°		28519.5	25392.3	22209.1	24466.5	25614.9	22155.6	23179.3
75°		24865.6	21437.3	18142.4	20057.9	21764.4	19828.0	21363.3
80°		21290.0	17687.4	14348.3	15753.7	17559.2	16939.8	18697.4
85°		15737.9	12892.5	10486.4	11388.7	12596.5	12813.7	14021.6

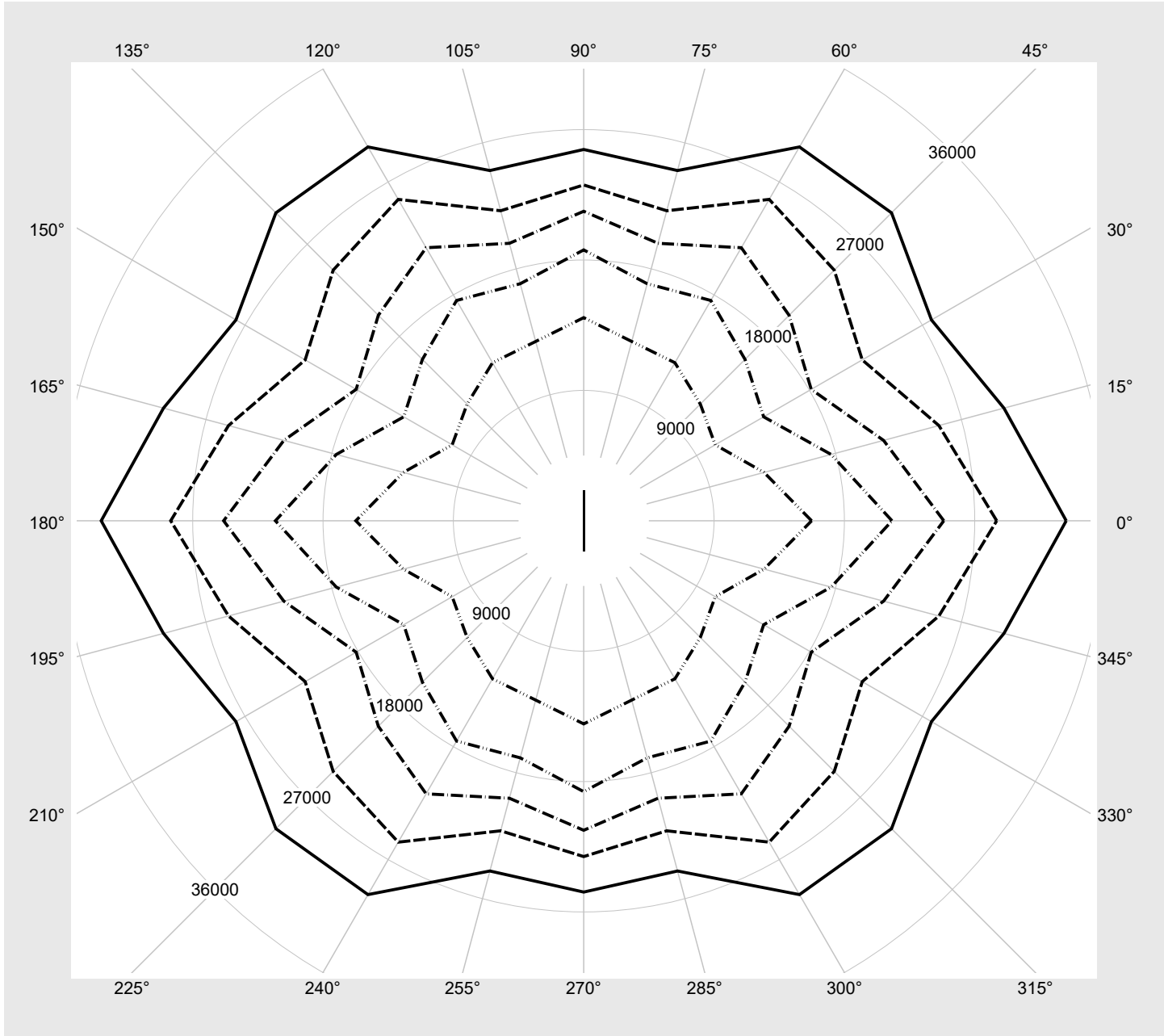
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Luminance values in cd/m²

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	27150	154.3
95	240	252	25769	145.5
90	226	250	24426	136.8
85	212	247	23047	128.2
80	199	245	21745	120.2
75	185	242	20326	111.7
70	172	240	18995	104.0
65	159	237	17647	96.4
60	146	234	16285	88.8
55	133	230	14913	81.3
50	120	227	13526	73.9
45	108	223	12234	67.0
40	95	218	10818	59.6
35	83	213	9495	52.8
30	71	207	8156	46.0
25	59	201	6804	39.1
20	47	192	5442	32.4
15	35	181	4064	25.5
10	23	166	2674	18.4
5	12	142	1390	11.7
2	4	102	446	6.6