



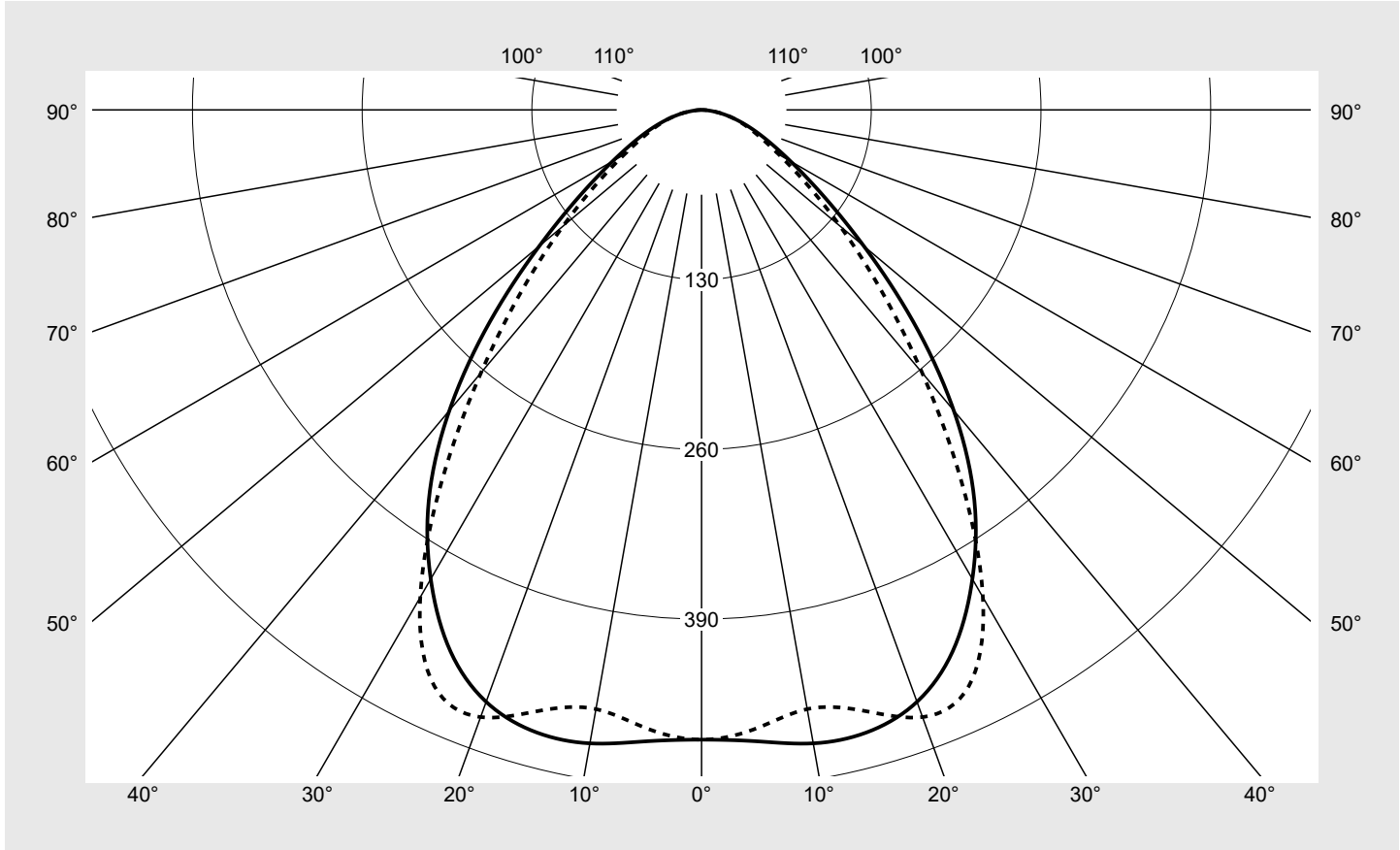
Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DND9XG EAN: 4058352013182	LP number 58637_242
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI Rated values Net luminous flux = 9310 lm Power consumption = 56.2 W Luminous efficacy = 165.7 lm/W	serial documentation 06.03.2024





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 498 cd/klm**




Classifications	
DIN 5040	A 5 0
CIE	N1=67 N2=92 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		

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°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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	22.4	23.9	22.7	24.2	24.5	22.5	24.0	22.8	24.3	24.6
	3H	22.9	24.2	23.3	24.6	24.9	23.0	24.3	23.4	24.7	25.0
	4H	23.1	24.4	23.5	24.7	25.1	23.3	24.5	23.7	24.8	25.2
	6H	23.3	24.4	23.7	24.8	25.2	23.5	24.6	23.9	24.9	25.3
	8H	23.4	24.4	23.8	24.8	25.2	23.6	24.6	24.0	25.0	25.4
	12H	23.4	24.4	23.8	24.8	25.2	23.6	24.6	24.0	24.9	25.4
4H	2H	22.6	23.8	23.0	24.2	24.6	22.7	23.9	23.1	24.3	24.6
	3H	23.2	24.2	23.6	24.6	25.0	23.4	24.4	23.8	24.8	25.2
	4H	23.5	24.4	23.9	24.8	25.2	23.7	24.7	24.2	25.1	25.5
	6H	23.7	24.5	24.2	24.9	25.4	24.0	24.8	24.5	25.2	25.7
	8H	23.8	24.5	24.3	25.0	25.4	24.1	24.8	24.6	25.3	25.8
	12H	23.9	24.5	24.3	24.9	25.4	24.2	24.8	24.7	25.3	25.8
8H	4H	23.6	24.3	24.0	24.7	25.2	23.8	24.5	24.3	25.0	25.4
	6H	23.8	24.4	24.3	24.9	25.4	24.1	24.7	24.6	25.2	25.7
	8H	23.9	24.4	24.4	24.9	25.4	24.3	24.8	24.8	25.3	25.8
	12H	24.0	24.4	24.5	24.9	25.5	24.4	24.8	24.9	25.3	25.8
12H	4H	23.6	24.2	24.1	24.6	25.1	23.8	24.4	24.3	24.9	25.4
	6H	23.8	24.3	24.3	24.8	25.3	24.1	24.6	24.7	25.1	25.6
	8H	23.9	24.4	24.5	24.9	25.4	24.3	24.7	24.8	25.2	25.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			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°		34679.4	34248.3	36095.1	39315.4	37405.2	32059.3	29261.5	
50°		27019.9	26527.0	26903.6	28907.3	29056.1	25843.6	23058.9	
55°		20985.6	20146.8	19610.3	20959.7	22694.6	20699.1	18130.6	
60°		16845.7	15653.9	14622.9	15652.1	17904.1	16558.1	14649.9	
65°		14188.4	12700.8	11401.8	12264.5	14384.4	13799.7	12569.4	
70°		12354.4	10788.8	9235.3	10042.5	11821.6	12051.2	11461.4	
75°		10735.5	9106.1	7621.3	8349.8	9868.5	10719.4	10661.5	
80°		9158.8	7504.7	6088.6	6666.6	7983.0	9146.5	9441.0	
85°		6568.8	5314.0	4403.0	4892.9	5791.6	6832.8	7117.7	

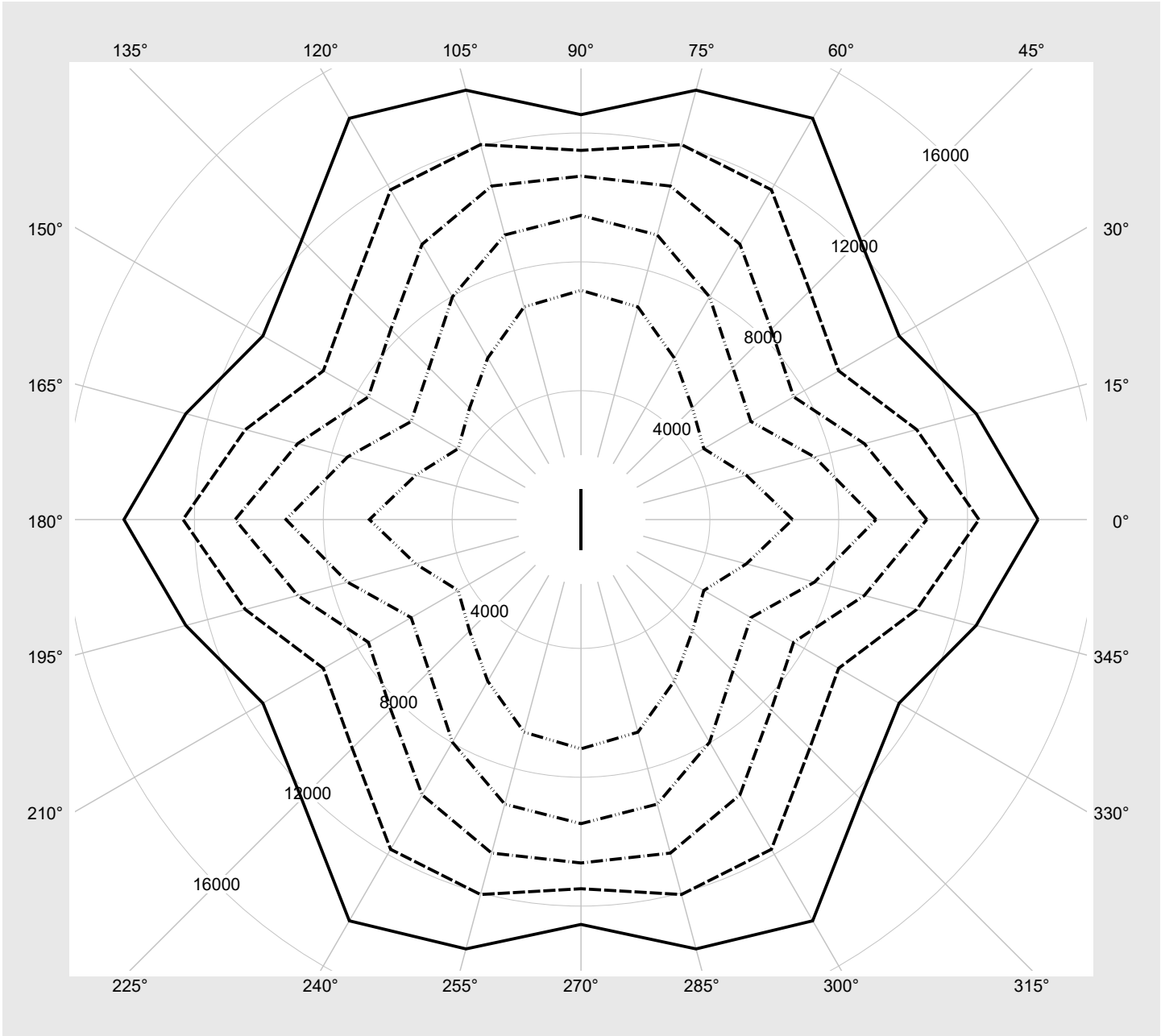
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Luminance values in cd/m²

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	9310	56.2
95	240	252	8852	53.1
90	226	250	8385	50.0
85	212	247	7914	47.0
80	198	245	7439	44.0
75	185	242	6989	41.1
70	171	240	6502	38.0
65	158	237	6043	35.2
60	145	233	5577	32.4
55	132	230	5105	29.6
50	120	227	4667	27.1
45	107	222	4185	24.4
40	95	218	3734	21.8
35	82	213	3242	19.1
30	70	207	2783	16.7
25	58	200	2317	14.2
20	46	191	1848	11.6
15	35	181	1414	9.3
10	23	166	936	6.8
5	11	139	449	4.3
2	4	102	164	3.0