
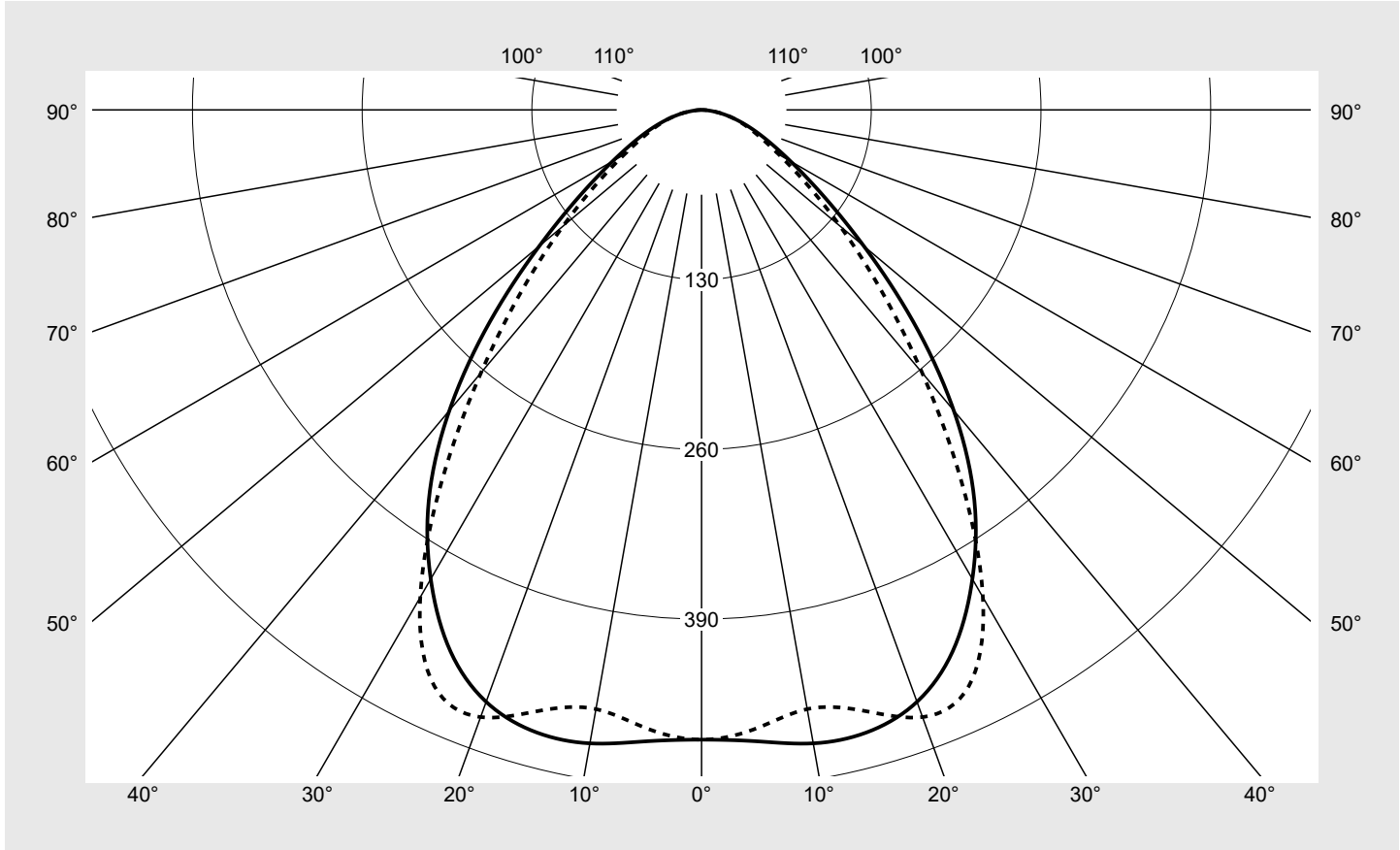


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DN455GD EAN: 4058352929629	LP number 58637_176
	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 = 5700 lm Power consumption = 29.9 W Luminous efficacy = 190.6 lm/W	serial documentation 04.10.2023



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
		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°	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	20.7	22.2	21.0	22.5	22.8	20.8	22.3	21.1	22.6	22.9
	3H	21.2	22.5	21.6	22.9	23.2	21.3	22.6	21.7	23.0	23.3
	4H	21.4	22.6	21.8	23.0	23.4	21.6	22.8	22.0	23.1	23.5
	6H	21.6	22.7	22.0	23.1	23.5	21.7	22.9	22.2	23.2	23.6
	8H	21.7	22.7	22.1	23.1	23.5	21.9	22.9	22.3	23.3	23.7
	12H	21.7	22.7	22.1	23.1	23.5	21.9	22.8	22.3	23.2	23.7
4H	2H	20.9	22.1	21.3	22.5	22.8	21.0	22.2	21.4	22.6	22.9
	3H	21.5	22.5	21.9	22.9	23.3	21.7	22.7	22.1	23.1	23.5
	4H	21.8	22.7	22.2	23.1	23.5	22.0	23.0	22.5	23.4	23.8
	6H	22.0	22.8	22.5	23.2	23.7	22.3	23.1	22.8	23.5	24.0
	8H	22.1	22.8	22.6	23.3	23.7	22.4	23.1	22.9	23.6	24.1
	12H	22.2	22.8	22.6	23.2	23.7	22.5	23.1	23.0	23.6	24.1
8H	4H	21.8	22.6	22.3	23.0	23.5	22.1	22.8	22.6	23.2	23.7
	6H	22.1	22.7	22.6	23.2	23.7	22.4	23.0	22.9	23.5	24.0
	8H	22.2	22.7	22.7	23.2	23.7	22.6	23.1	23.1	23.6	24.1
	12H	22.3	22.7	22.8	23.2	23.7	22.7	23.1	23.2	23.6	24.1
12H	4H	21.9	22.5	22.4	22.9	23.4	22.1	22.7	22.6	23.2	23.7
	6H	22.1	22.6	22.6	23.1	23.6	22.4	22.9	22.9	23.4	23.9
	8H	22.2	22.7	22.7	23.2	23.7	22.6	23.0	23.1	23.5	24.0

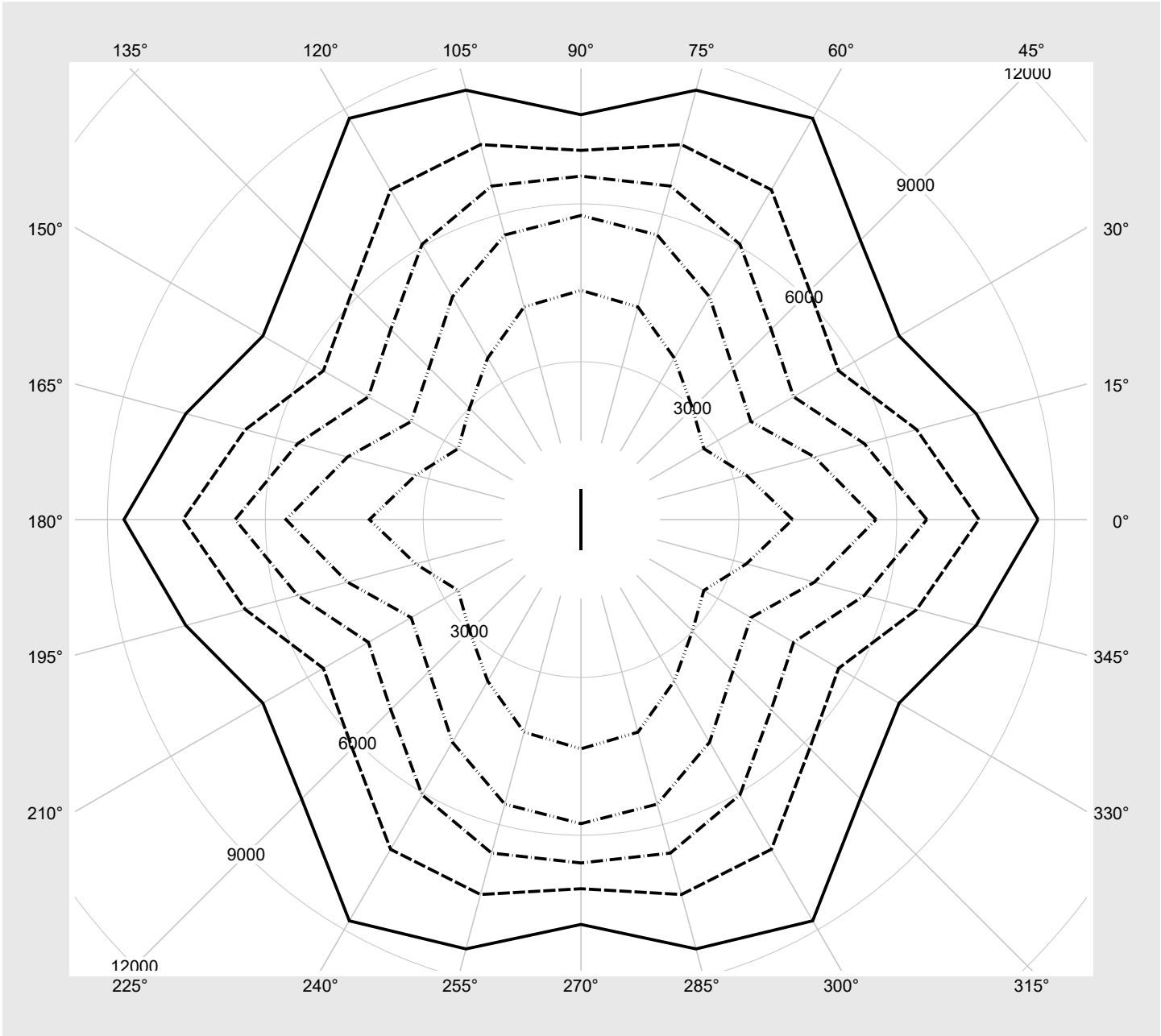
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		21232.3	20968.4	22099.0	24070.7	22901.2	19628.1	17915.2	
50°		16542.8	16241.0	16471.6	17698.4	17789.5	15822.6	14117.7	
55°		12848.3	12334.8	12006.3	12832.5	13894.7	12672.9	11100.4	
60°		10313.7	9584.0	8952.8	9582.9	10961.7	10137.6	8969.3	
65°		8686.8	7776.0	6980.7	7508.9	8806.8	8448.8	7695.5	
70°		7563.9	6605.4	5654.3	6148.5	7237.7	7378.3	7017.2	
75°		6572.8	5575.1	4666.1	5112.1	6041.9	6562.9	6527.4	
80°		5607.4	4594.7	3727.7	4081.6	4887.5	5599.9	5780.2	
85°		4021.7	3253.5	2695.7	2995.6	3545.9	4183.4	4357.8	

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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	5700	29.9
95	241	252	5421	28.5
90	227	250	5120	27.1
85	214	248	4838	25.6
80	201	245	4555	24.2
75	188	243	4268	22.7
70	175	240	3982	21.2
65	162	238	3696	19.8
60	150	235	3429	18.5
55	137	231	3140	17.0
50	124	228	2848	15.4
45	112	224	2575	14.0
40	99	219	2281	12.4
35	86	214	1986	10.8
30	74	209	1712	9.6
25	61	202	1414	8.1
20	49	194	1137	6.7
15	37	183	856	5.3
10	25	169	577	3.7