

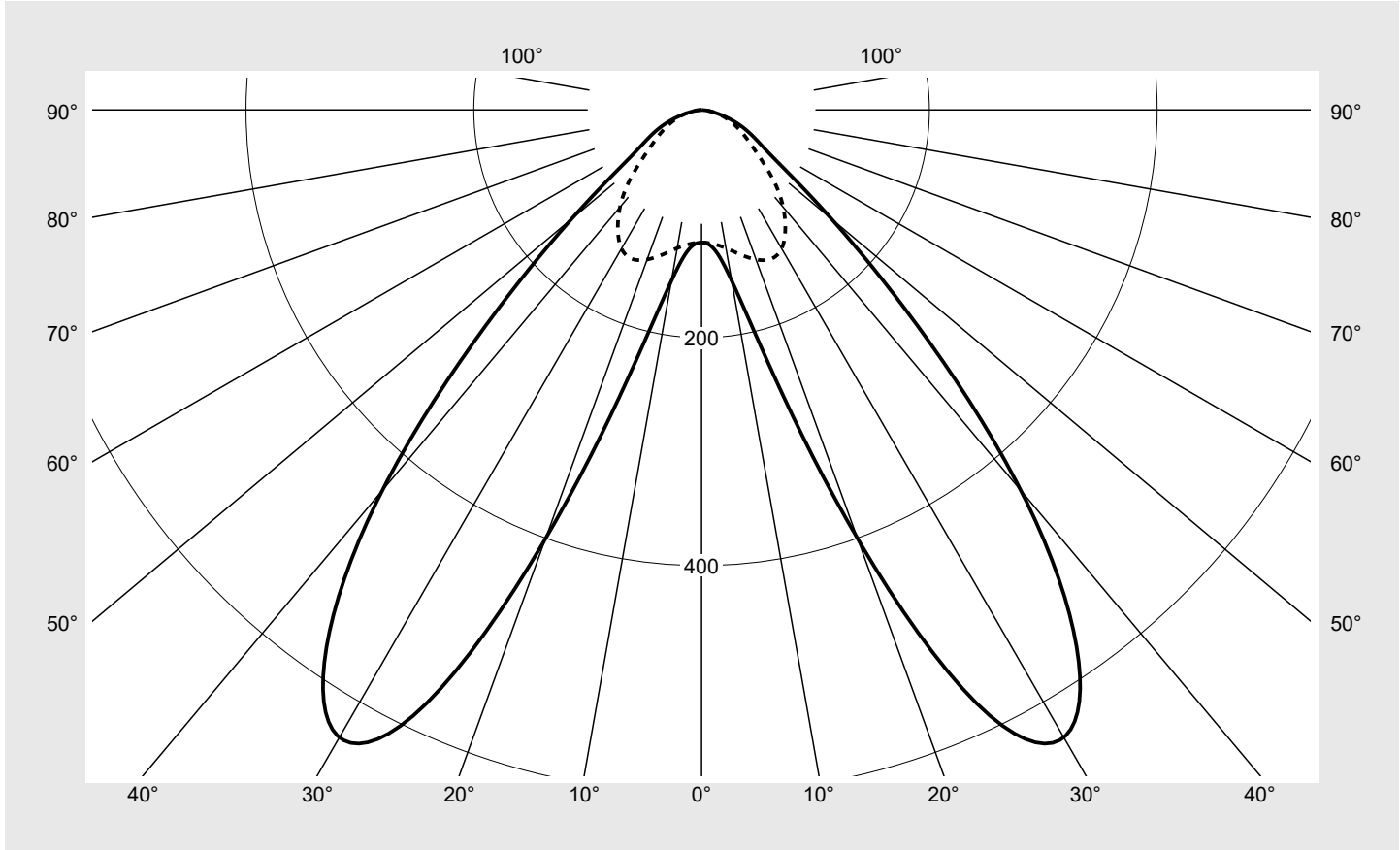


Photometric test report

Family Licross® Recessed	Order number: 51TL19DN49XF EAN: 4058352256978	LP number 58532_22
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI	serial documentation 15.11.2019
	Rated values Net luminous flux = 9010 lm Power consumption = 56.9 W Luminous efficacy = 158.4 lm/W	

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	sITeco
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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	24.8	26.4	25.1	26.7	27.0	23.6	25.2	24.0	25.5	25.9
	3H	24.9	26.4	25.3	26.7	27.1	23.9	25.4	24.3	25.7	26.0
	4H	25.0	26.3	25.4	26.7	27.1	24.0	25.3	24.4	25.7	26.1
	6H	25.0	26.2	25.4	26.6	27.0	24.0	25.3	24.4	25.7	26.0
	8H	25.0	26.2	25.5	26.6	27.0	24.0	25.2	24.4	25.6	26.0
	12H	25.0	26.1	25.5	26.5	26.9	24.0	25.2	24.4	25.6	26.0
4H	2H	25.2	26.5	25.6	26.9	27.3	24.3	25.7	24.7	26.0	26.4
	3H	25.5	26.6	25.9	27.0	27.4	25.0	26.2	25.5	26.6	27.0
	4H	25.5	26.6	26.0	27.0	27.4	25.3	26.3	25.7	26.7	27.2
	6H	25.6	26.5	26.0	26.9	27.4	25.4	26.3	25.9	26.7	27.2
	8H	25.6	26.4	26.1	26.8	27.3	25.4	26.3	25.9	26.7	27.2
	12H	25.6	26.3	26.1	26.8	27.3	25.4	26.2	25.9	26.6	27.1
8H	4H	25.7	26.5	26.2	27.0	27.4	25.5	26.3	26.0	26.7	27.2
	6H	25.8	26.5	26.3	26.9	27.4	25.8	26.5	26.3	26.9	27.4
	8H	25.8	26.4	26.3	26.9	27.4	25.9	26.5	26.4	27.0	27.5
	12H	25.8	26.3	26.3	26.8	27.3	25.9	26.4	26.4	26.9	27.5
12H	4H	25.7	26.5	26.2	26.9	27.4	25.5	26.2	26.0	26.7	27.2
	6H	25.8	26.4	26.3	26.9	27.4	25.8	26.4	26.3	26.9	27.4
	8H	25.8	26.3	26.3	26.8	27.4	25.9	26.4	26.5	26.9	27.5

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°		39348.8	43902.9	67227.4	88633.1	48913.1	17943.2	13355.1
50°		24016.7	27121.9	44552.7	67631.2	41780.5	15695.3	11113.3
55°		15408.6	17242.1	27303.6	44403.8	36056.1	14310.0	9580.9
60°		12281.4	13203.9	18229.0	28680.2	31623.0	13473.0	8721.1
65°		11001.3	11529.2	14899.6	20807.6	27132.3	12588.8	8076.2
70°		9610.8	10019.9	12879.8	17032.7	23113.8	11635.0	7474.0
75°		7605.0	8051.2	10413.6	13971.6	19855.6	10531.2	6798.7
80°		5240.5	5576.9	7570.7	10868.1	16097.9	9076.0	5865.6
85°		4095.9	4273.0	5534.9	8023.1	11344.3	6960.8	4448.8

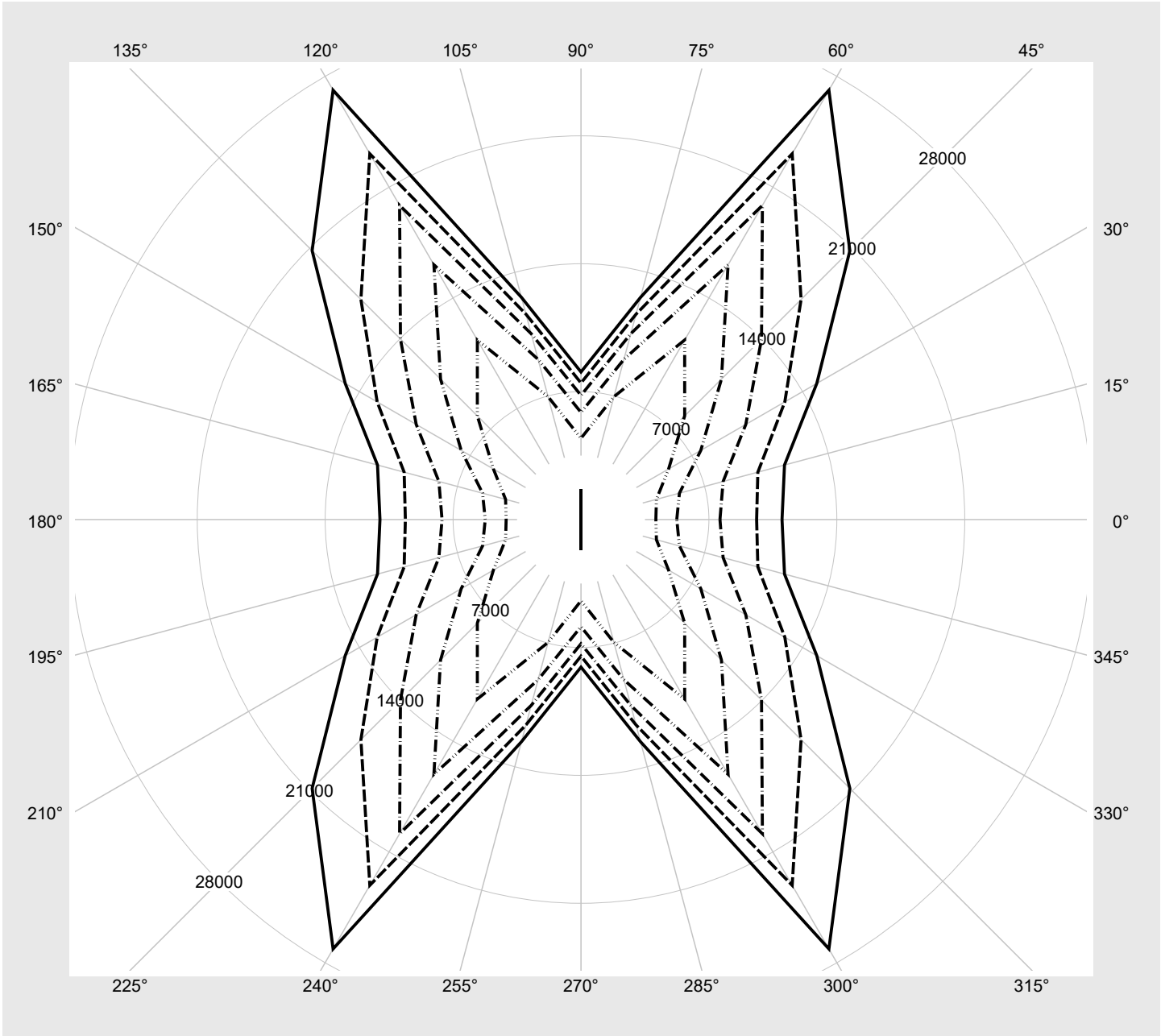
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Luminance values in cd/m²

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	9010	56.9
95	240	252	8555	53.7
90	226	250	8105	50.7
85	212	247	7654	47.5
80	199	245	7204	44.6
75	185	243	6754	41.6
70	172	240	6304	38.7
65	159	237	5853	35.9
60	146	234	5403	33.0
55	133	230	4953	30.3
50	121	227	4503	27.5
45	108	223	4052	24.9
40	96	218	3602	22.2
35	83	213	3152	19.7
30	71	207	2702	17.0
25	59	201	2251	14.5
20	47	193	1801	11.9
15	35	182	1351	9.6
10	24	167	901	7.1
5	12	143	450	4.9