

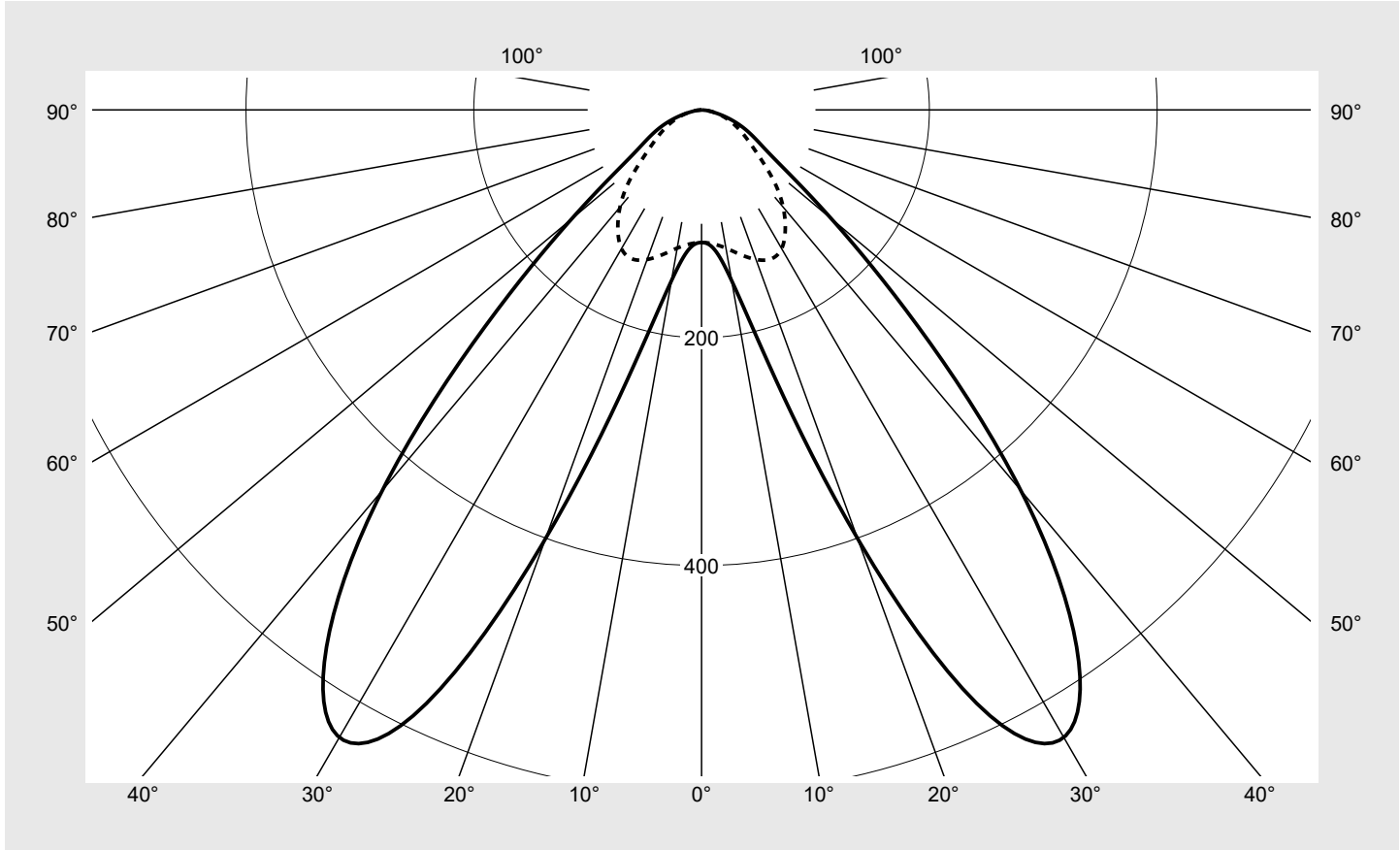


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL19DN49XFD EAN: 4058352418352	LP number 58532_25
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode	serial documentation 26.08.2020
	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

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
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
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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°		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

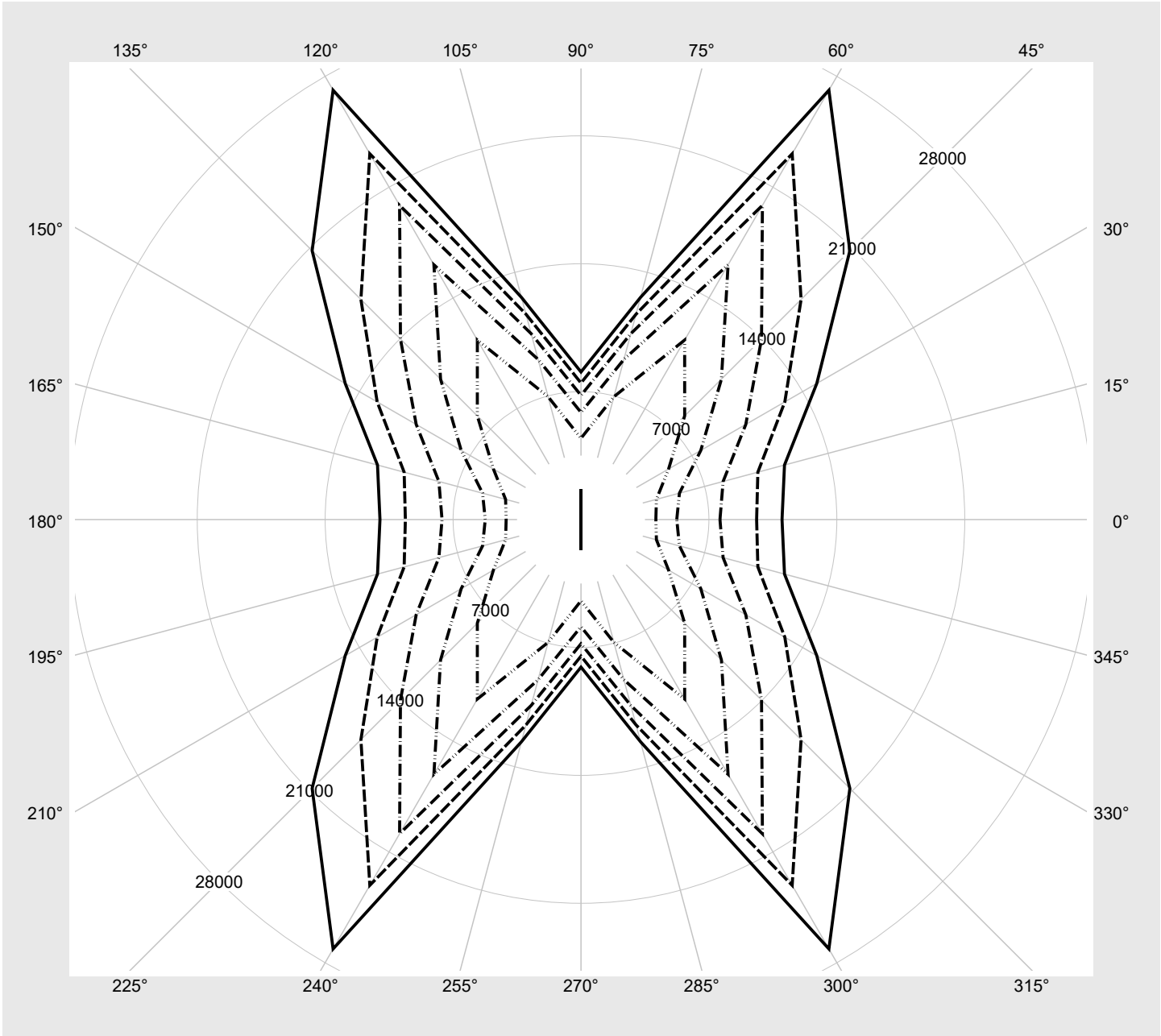
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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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	8562	53.8
90	226	250	8097	50.6
85	213	248	7665	47.6
80	199	245	7199	44.6
75	186	243	6768	41.7
70	173	240	6314	38.8
65	159	237	5847	35.9
60	146	234	5392	32.9
55	134	231	4973	30.4
50	121	227	4494	27.5
45	108	223	4038	24.8
40	96	218	3596	22.2
35	83	213	3140	19.6
30	71	207	2697	17.0
25	60	201	2266	14.6
20	47	192	1785	11.8
15	36	182	1355	9.6
10	24	168	912	7.2
5	13	145	482	5.1