
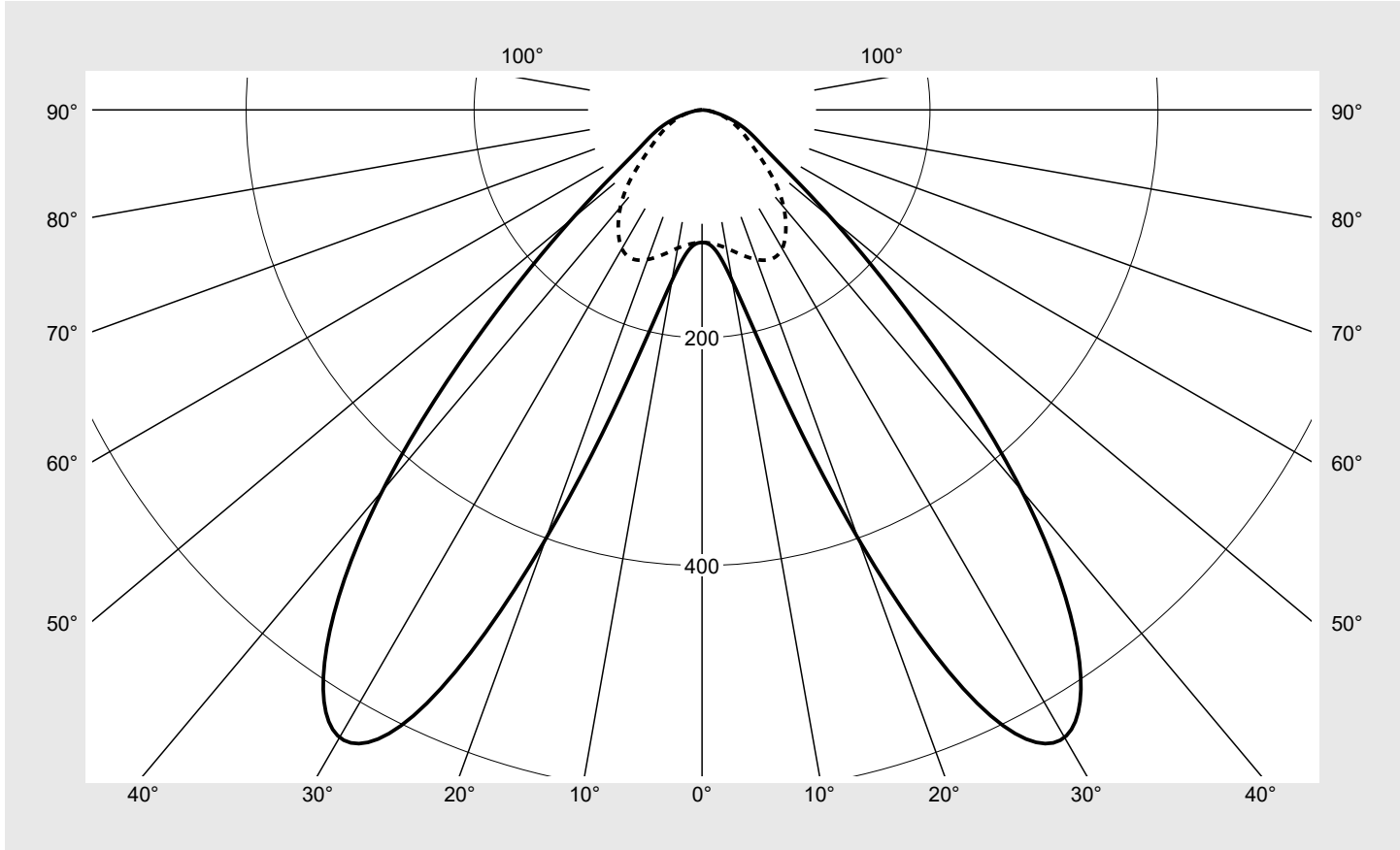


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL19DN495G EAN: 4058352891544	LP number 58532_353
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI	serial documentation 03.08.2023
	Rated values Net luminous flux = 9850 lm Power consumption = 58.0 W Luminous efficacy = 169.8 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

Photometric test report

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Table of values for luminous intensities	Maximum luminous intensity
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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°	Total	
								Phi-zone	Phi-zone
								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	25.1	26.7	25.5	27.0	27.4	23.9	25.6	24.3	25.9	26.2
	3H	25.3	26.7	25.6	27.0	27.4	24.2	25.7	24.6	26.0	26.3
	4H	25.3	26.7	25.7	27.0	27.4	24.3	25.7	24.7	26.0	26.4
	6H	25.3	26.5	25.7	26.9	27.3	24.3	25.6	24.7	26.0	26.4
	8H	25.4	26.5	25.8	26.9	27.3	24.3	25.5	24.7	25.9	26.3
	12H	25.3	26.4	25.8	26.8	27.2	24.3	25.5	24.7	25.9	26.3
4H	2H	25.5	26.9	25.9	27.2	27.6	24.6	26.0	25.0	26.3	26.7
	3H	25.8	26.9	26.2	27.3	27.7	25.4	26.5	25.8	26.9	27.3
	4H	25.9	26.9	26.3	27.3	27.7	25.6	26.6	26.0	27.0	27.5
	6H	25.9	26.8	26.4	27.2	27.7	25.7	26.6	26.2	27.0	27.5
	8H	25.9	26.7	26.4	27.1	27.6	25.7	26.6	26.2	27.0	27.5
	12H	25.9	26.6	26.4	27.1	27.6	25.7	26.5	26.2	26.9	27.4
8H	4H	26.0	26.8	26.5	27.3	27.7	25.8	26.6	26.3	27.1	27.5
	6H	26.1	26.8	26.6	27.2	27.7	26.1	26.8	26.6	27.2	27.7
	8H	26.1	26.7	26.6	27.2	27.7	26.2	26.8	26.7	27.3	27.8
	12H	26.1	26.6	26.6	27.1	27.6	26.2	26.7	26.7	27.2	27.8
12H	4H	26.0	26.8	26.5	27.2	27.7	25.8	26.5	26.3	27.0	27.5
	6H	26.1	26.7	26.6	27.2	27.7	26.1	26.7	26.6	27.2	27.7
	8H	26.1	26.7	26.7	27.2	27.7	26.3	26.7	26.8	27.2	27.8

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°		43017.3	47995.9	73495.0	96896.3	53473.3	19616.0	14600.2
50°		26255.8	29650.5	48706.3	73936.5	45675.7	17158.5	12149.4
55°		16845.1	18849.6	29849.2	48543.6	39417.6	15644.2	10474.1
60°		13426.3	14434.9	19928.5	31354.0	34571.2	14729.0	9534.1
65°		12027.0	12604.0	16288.7	22747.4	29661.9	13762.4	8829.1
70°		10506.8	10954.1	14080.6	18620.7	25268.7	12719.8	8170.8
75°		8314.0	8801.8	11384.4	15274.2	21706.8	11513.0	7432.6
80°		5729.1	6096.8	8276.5	11881.4	17598.7	9922.1	6412.4
85°		4477.8	4671.3	6050.9	8771.1	12401.9	7609.7	4863.6

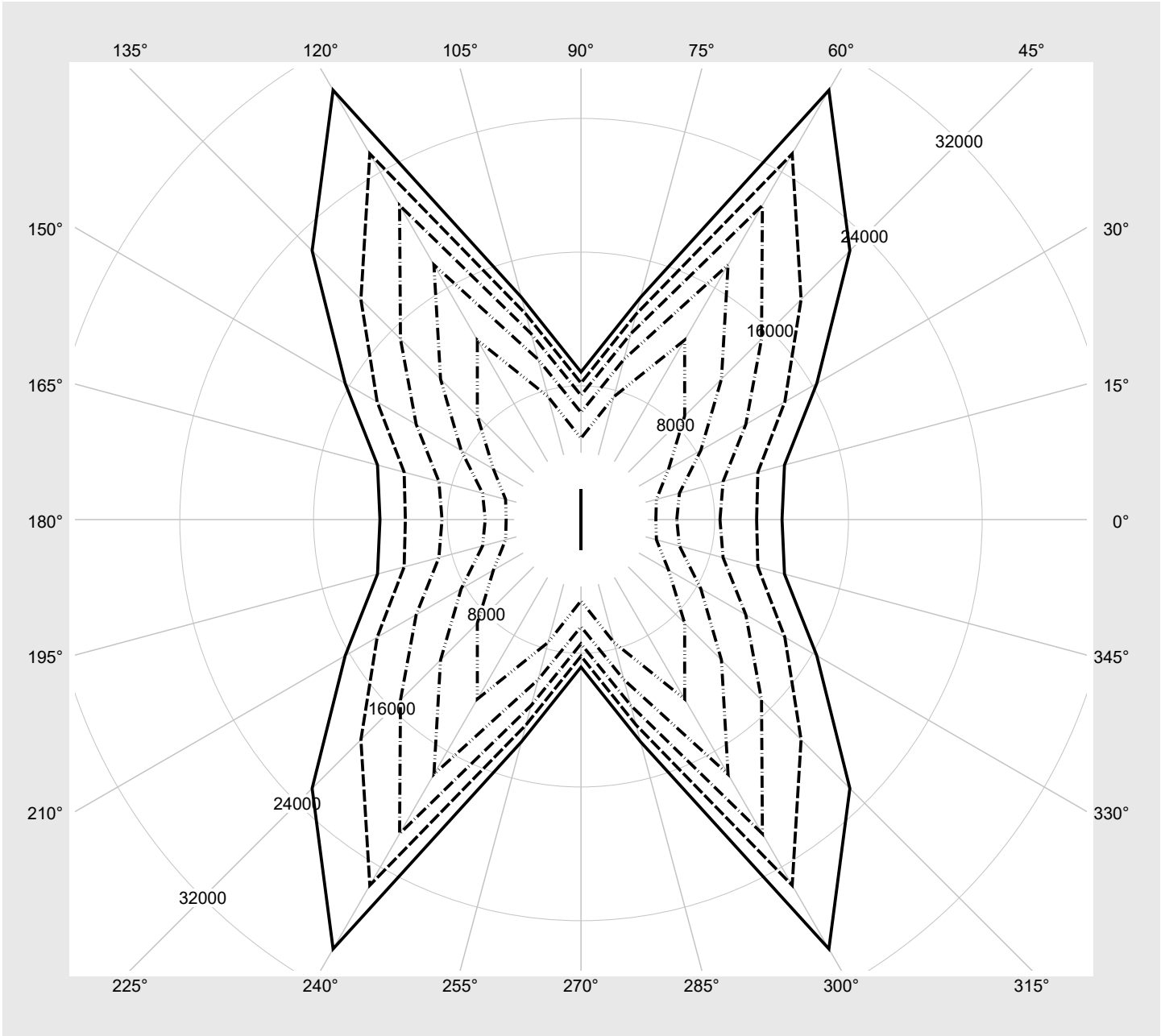
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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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	9850	58.0
95	240	252	9354	54.8
90	226	250	8852	51.5
85	213	248	8380	48.7
80	199	245	7867	45.5
75	186	243	7383	42.6
70	173	240	6897	39.6
65	160	237	6407	36.8
60	147	234	5912	33.9
55	134	231	5411	31.0
50	122	227	4943	28.4
45	109	223	4433	25.5
40	97	219	3959	22.9
35	84	213	3440	20.1
30	72	208	2957	17.5
25	60	201	2470	15.0
20	48	193	1979	12.3
15	36	182	1486	9.7
10	24	168	988	7.2
5	12	142	488	4.6
2	4	102	152	3.0