



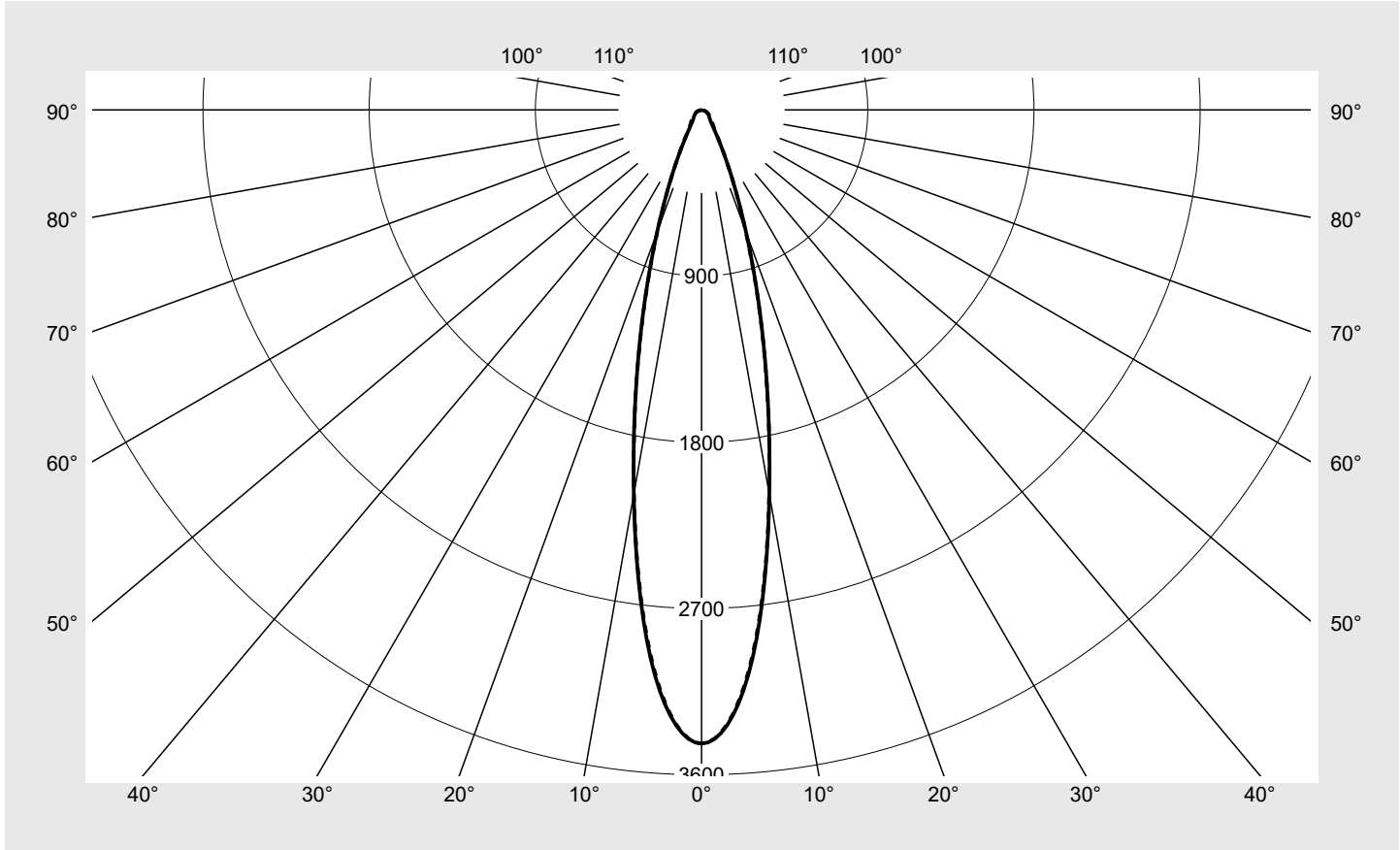
Photometric test report

Family Licross® 21 Recessed	Order number: 51TE11VN4DXRD EAN: 4058352714058	LP number 58784_223
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Setting AC-mode Rated values Net luminous flux = 13000 lm Power consumption = 72.6 W Luminous efficacy = 179.1 lm/W	serial documentation 29.07.2022





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 3431 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=95 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
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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°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	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	16.9	18.1	17.3	18.4	18.7	17.3	18.4	17.7	18.7	19.1
	3H	18.3	19.2	18.7	19.6	19.9	18.7	19.7	19.1	20.0	20.4
	4H	18.6	19.6	19.0	19.9	20.3	19.2	20.1	19.6	20.5	20.9
	6H	18.8	19.6	19.2	20.0	20.4	19.6	20.4	20.0	20.7	21.1
	8H	18.9	19.6	19.3	20.0	20.4	19.7	20.4	20.1	20.8	21.2
	12H	18.9	19.5	19.3	19.9	20.4	19.7	20.4	20.2	20.8	21.2
4H	2H	17.7	18.6	18.1	18.9	19.3	18.0	18.9	18.4	19.2	19.6
	3H	19.1	19.9	19.6	20.3	20.7	19.5	20.3	20.0	20.7	21.1
	4H	19.6	20.3	20.0	20.7	21.1	20.2	20.8	20.6	21.3	21.7
	6H	19.8	20.3	20.2	20.8	21.3	20.6	21.1	21.0	21.6	22.1
	8H	19.8	20.3	20.3	20.8	21.3	20.7	21.2	21.2	21.7	22.1
	12H	19.8	20.3	20.3	20.7	21.2	20.8	21.2	21.2	21.7	22.2
8H	4H	19.9	20.4	20.4	20.9	21.4	20.4	20.9	20.9	21.4	21.9
	6H	20.2	20.6	20.7	21.1	21.6	21.0	21.4	21.5	21.9	22.4
	8H	20.2	20.6	20.7	21.1	21.6	21.1	21.5	21.6	22.0	22.5
	12H	20.2	20.5	20.7	21.0	21.6	21.2	21.5	21.7	22.0	22.6
12H	4H	19.9	20.4	20.4	20.8	21.3	20.4	20.9	20.9	21.3	21.8
	6H	20.2	20.5	20.7	21.0	21.6	21.0	21.3	21.5	21.8	22.3
	8H	20.2	20.6	20.8	21.1	21.6	21.1	21.5	21.7	22.0	22.5

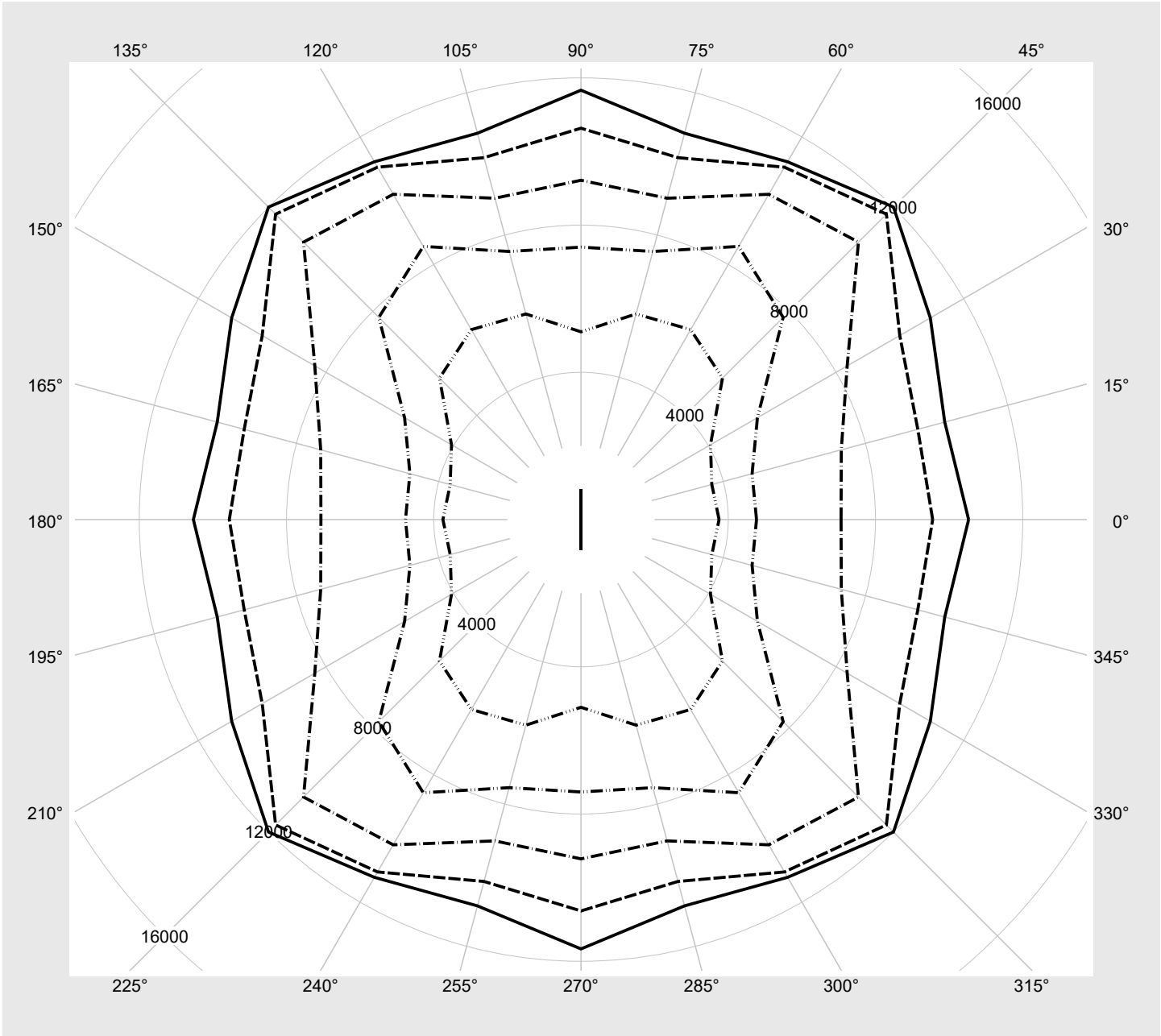
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		12830.2	12409.3	12052.4	12020.3	12234.3	14089.7	15962.8	
50°		12261.6	11978.2	11912.9	11769.0	11615.8	13021.0	14695.0	
55°		11682.5	11317.0	11834.7	11728.4	11207.9	12072.3	13463.2	
60°		11146.2	10782.2	11405.9	11888.9	11127.4	11356.6	12503.6	
65°		10530.4	10230.2	10957.9	12005.5	11223.7	10865.9	11664.6	
70°		9553.9	9472.2	9999.5	11733.1	11054.2	10178.7	10632.6	
75°		7065.4	7320.6	8350.0	10659.9	10203.8	9038.2	9217.7	
80°		4768.1	4811.9	5533.9	7766.9	8568.9	7540.6	7401.2	
85°		3751.2	3679.2	4061.6	5436.6	5957.8	5782.9	5100.5	

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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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	13000	72.6	78.3	75.4
95	241	252	12367	68.8	74.1	71.4
90	227	250	11681	64.9	69.8	67.4
85	214	248	11038	61.1	65.8	63.4
80	201	245	10393	57.4	61.9	59.6
75	188	243	9742	53.8	57.9	55.8
70	175	240	9087	50.2	53.9	52.0
65	162	238	8428	46.6	50.1	48.4
60	150	235	7818	43.3	46.5	44.9
55	137	231	7149	39.7	42.6	41.2
50	124	228	6478	36.1	38.7	37.4
45	112	224	5854	32.8	35.2	34.0
40	100	220	5226	29.5	31.7	30.6
35	87	215	4541	26.0	27.8	26.9
30	75	209	3906	22.8	24.4	23.6
25	63	203	3267	19.6	20.9	20.2
20	51	195	2624	16.2	17.3	16.8
15	38	184	1923	12.8	13.6	13.2
10	27	172	1327	9.8	10.5	10.2
5	15	150	672	6.6	6.9	6.8
1	5	110	125	4.0	4.1	4.0