
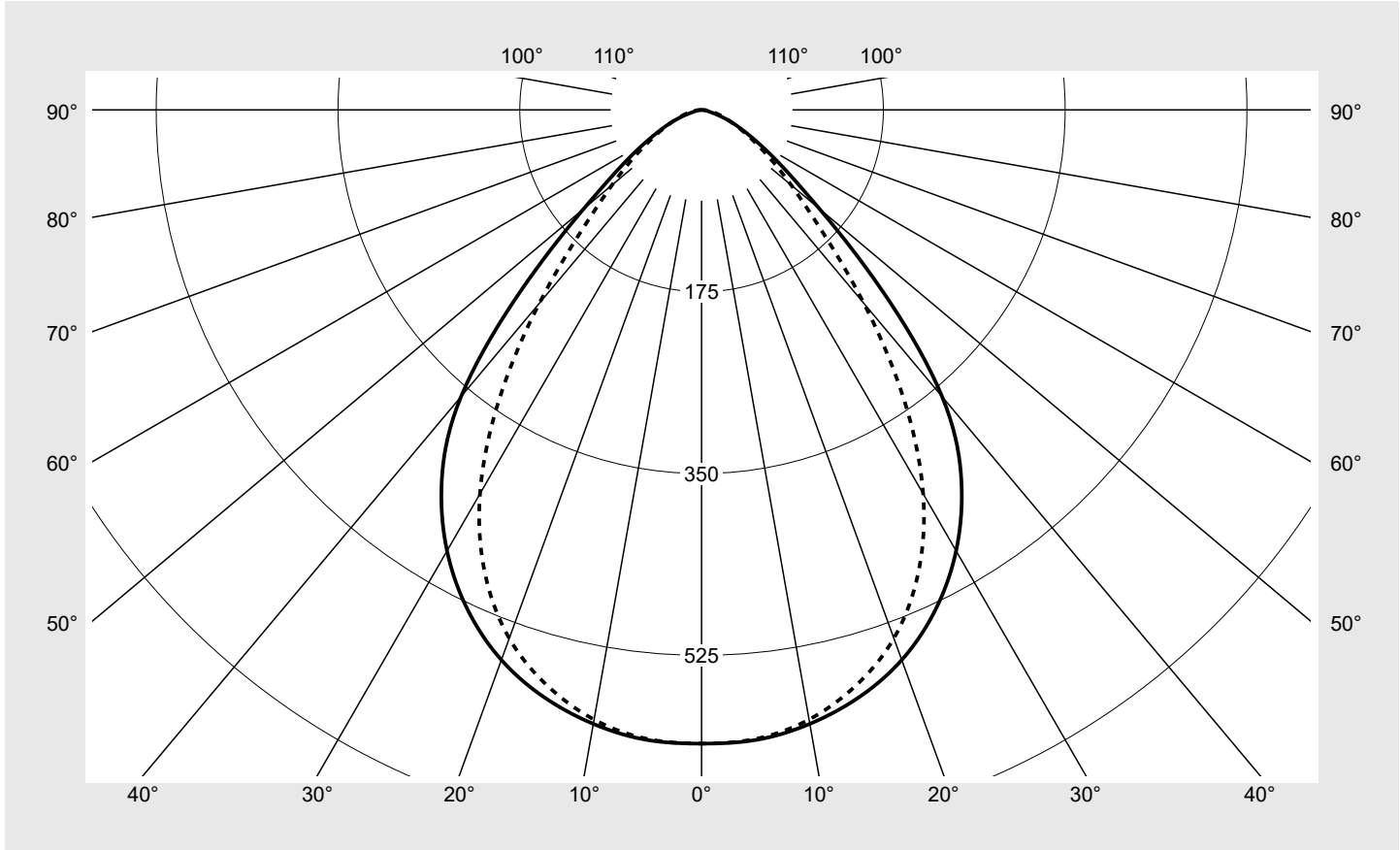


Photometric test report

Family Licross® 11 Recessed	Order number: 51TE1WDN4EXM EAN: 4069025269966	LP number 59521_28
	Version cover frosted, wide distribution	serial documentation 21.03.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG-DALI	
	Rated values <ul style="list-style-type: none"> Net luminous flux = 14170 lm Power consumption = 76.8 W Luminous efficacy = 184.5 lm/W 	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 610 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=73 N2=94 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°	610.0	610.0	610.0	610.0	610.0	610.0	610.0	3.6	3.6
5°	608.6	607.6	603.5	605.7	607.8	607.2	607.6	29.0	32.6
10°	600.1	600.0	594.9	595.9	596.5	595.2	595.9	56.8	89.4
15°	585.3	585.9	578.8	577.8	576.6	573.9	573.7	82.1	171.5
20°	563.4	563.9	554.9	550.2	546.3	542.2	541.3	103.4	275.0
25°	531.8	531.9	519.6	510.4	502.3	495.0	493.0	118.6	393.5
30°	490.1	489.9	473.2	457.8	443.0	430.6	426.6	125.7	519.3
35°	436.1	434.9	413.9	389.9	365.2	345.5	339.2	122.5	641.7
40°	360.2	357.4	334.2	303.1	273.1	250.6	243.1	106.9	748.6
45°	245.6	242.6	226.1	203.9	182.4	166.8	161.9	79.2	827.8
50°	148.2	149.1	145.2	133.7	122.4	114.2	112.6	55.6	883.4
55°	94.6	95.2	94.9	92.6	85.9	79.9	79.2	40.1	923.5
60°	61.8	62.8	63.1	63.8	60.6	55.1	54.9	28.8	952.3
65°	39.8	41.1	42.4	42.8	42.4	38.1	37.8	20.3	972.6
70°	23.6	24.8	26.8	28.2	28.2	26.4	25.7	13.6	986.2
75°	10.5	11.2	13.0	16.6	16.9	18.1	17.0	7.9	994.2
80°	5.4	5.5	5.6	6.4	8.9	11.0	9.8	4.1	998.2
85°	2.7	2.8	2.9	2.9	2.8	4.7	4.7	1.8	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	23.6	25.1	24.0	25.4	25.7	22.4	23.8	22.7	24.1	24.4
	3H	23.9	25.2	24.3	25.5	25.8	22.8	24.0	23.2	24.4	24.7
	4H	23.9	25.1	24.3	25.4	25.8	22.9	24.1	23.3	24.5	24.8
	6H	23.9	25.0	24.3	25.3	25.7	23.1	24.1	23.5	24.5	24.9
	8H	24.0	24.9	24.4	25.3	25.7	23.2	24.1	23.6	24.5	24.9
	12H	24.0	24.8	24.4	25.2	25.6	23.2	24.1	23.6	24.5	24.9
4H	2H	23.8	24.9	24.2	25.3	25.7	22.6	23.8	23.0	24.2	24.5
	3H	24.1	25.1	24.5	25.5	25.9	23.2	24.2	23.6	24.6	25.0
	4H	24.2	25.0	24.6	25.4	25.9	23.4	24.3	23.9	24.7	25.2
	6H	24.2	24.9	24.6	25.3	25.8	23.7	24.4	24.1	24.8	25.3
	8H	24.2	24.8	24.6	25.3	25.8	23.7	24.4	24.2	24.8	25.3
	12H	24.2	24.7	24.7	25.2	25.7	23.8	24.4	24.3	24.8	25.3
8H	4H	24.2	24.8	24.6	25.3	25.8	23.5	24.2	24.0	24.6	25.1
	6H	24.2	24.7	24.7	25.2	25.7	23.7	24.3	24.2	24.8	25.3
	8H	24.2	24.7	24.7	25.1	25.7	23.8	24.3	24.4	24.8	25.3
	12H	24.2	24.6	24.7	25.1	25.6	24.0	24.4	24.5	24.9	25.4
12H	4H	24.2	24.8	24.7	25.2	25.7	23.5	24.1	24.0	24.5	25.0
	6H	24.2	24.6	24.7	25.1	25.7	23.7	24.2	24.3	24.7	25.2
	8H	24.2	24.6	24.7	25.1	25.6	23.9	24.2	24.4	24.7	25.3

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°		56578.6	55890.6	52073.0	46973.5	42009.0	38428.9	37287.6	
50°		37539.9	37783.2	36786.1	33877.2	31011.9	28926.6	28528.8	
55°		26852.5	27030.3	26955.6	26286.9	24384.3	22683.1	22488.6	
60°		20120.1	20442.3	20568.3	20791.5	19726.9	17958.1	17888.1	
65°		15353.2	15820.7	16330.6	16504.4	16355.6	14669.2	14577.1	
70°		11217.6	11794.8	12754.3	13412.5	13423.4	12556.2	12249.6	
75°		6634.7	7021.0	8197.2	10460.1	10647.7	11377.7	10725.7	
80°		5109.0	5164.4	5258.2	6048.8	8333.7	10355.0	9195.7	
85°		5122.3	5221.3	5331.6	5428.8	5167.1	8691.6	8691.6	

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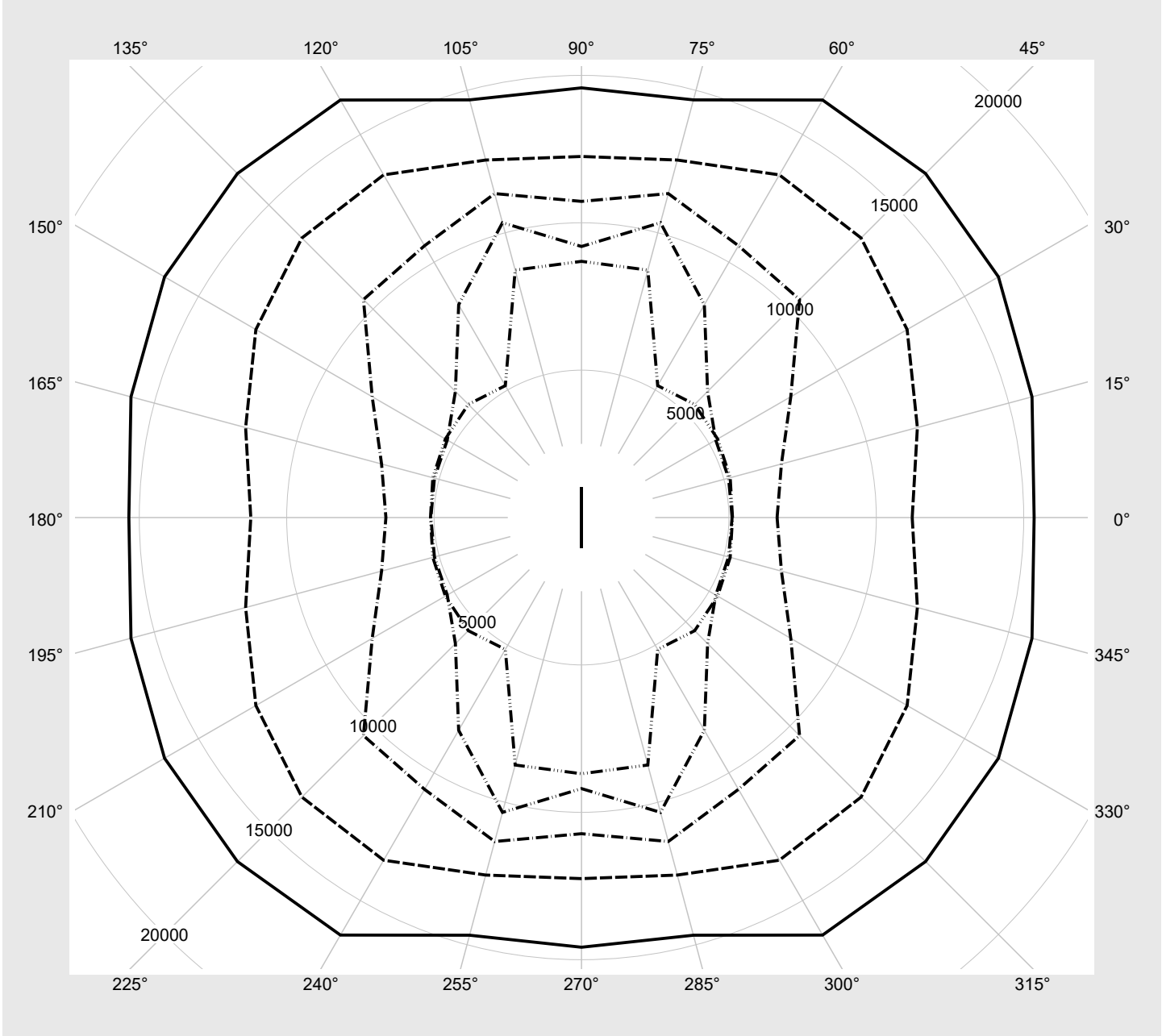
Family
Licross® 11 Recessed

Order number: 51TE1WDN4EXM
EAN: 4069025269966

LP number
59521_28

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	14170	76.8
95	240	252	13445	72.6
90	227	250	12766	68.6
85	213	248	12027	64.3
80	200	245	11336	60.3
75	187	243	10640	56.5
70	174	240	9940	52.6
65	161	237	9235	48.7
60	148	234	8521	44.8
55	135	231	7805	41.0
50	122	227	7080	37.3
45	109	223	6351	33.5
40	97	219	5670	30.0
35	85	214	4984	26.6
30	72	208	4235	22.9
25	60	201	3540	19.5
20	48	193	2837	16.1
15	36	182	2132	12.6
10	24	168	1421	9.2
5	12	142	703	5.9
2	4	102	222	3.6