

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL11DN4EXS
EAN: 4058352926864

LP number
58784_293



Version cover frosted, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 14000 lm
 Power consumption = 76.8 W
 Luminous efficacy = 182.3 lm/W

serial
documentation
14.09.2023

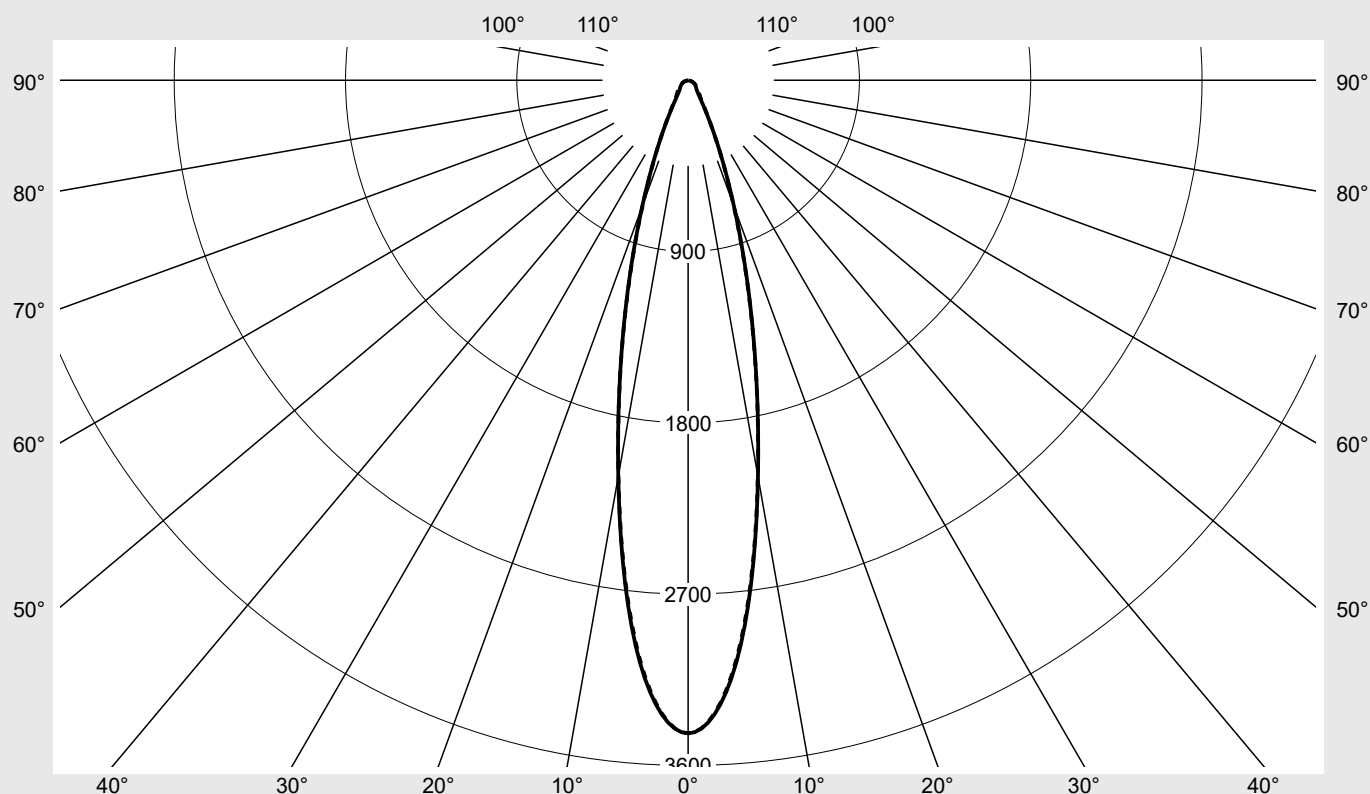
siteco

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
		siteco

C- planes	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
γ	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

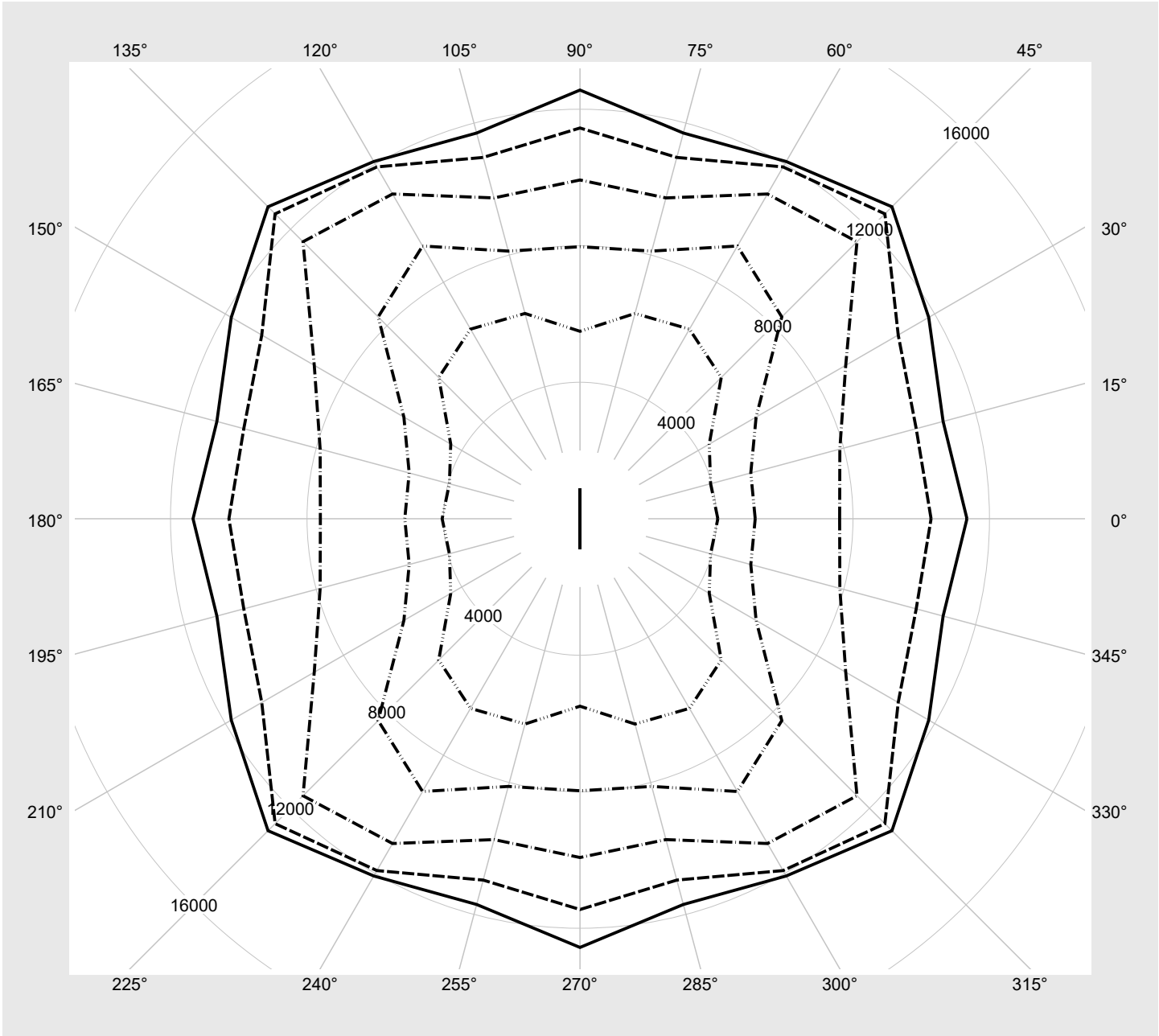
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Family Licross® 11 Recessed		Order number: 51TL11DN4EXS EAN: 4058352926864							LP number 58784_293	
UGR-Table		Standard room							siteco	
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	17.2	18.3	17.5	18.6	18.9	17.6	18.7	17.9	19.0
	3H	18.5	19.5	18.9	19.8	20.2	19.0	19.9	19.4	20.3
	4H	18.9	19.8	19.3	20.2	20.5	19.5	20.4	19.9	20.7
	6H	19.1	19.9	19.5	20.2	20.6	19.8	20.6	20.2	21.0
	8H	19.2	19.9	19.6	20.2	20.6	20.0	20.7	20.4	21.1
	12H	19.1	19.8	19.6	20.2	20.6	20.0	20.6	20.4	21.0
4H	2H	17.9	18.8	18.3	19.2	19.6	18.2	19.1	18.6	19.5
	3H	19.4	20.1	19.8	20.5	21.0	19.8	20.6	20.2	21.0
	4H	19.8	20.5	20.3	20.9	21.4	20.4	21.1	20.9	21.5
	6H	20.0	20.6	20.5	21.0	21.5	20.8	21.4	21.3	21.8
	8H	20.1	20.6	20.6	21.0	21.5	21.0	21.5	21.4	21.9
	12H	20.1	20.5	20.6	21.0	21.5	21.0	21.4	21.5	21.9
8H	4H	20.2	20.7	20.7	21.1	21.6	20.7	21.2	21.2	21.7
	6H	20.4	20.8	20.9	21.3	21.8	21.2	21.6	21.8	22.1
	8H	20.5	20.8	21.0	21.3	21.8	21.4	21.7	21.9	22.2
	12H	20.5	20.8	21.0	21.3	21.8	21.5	21.8	22.0	22.3
12H	4H	20.2	20.6	20.7	21.1	21.6	20.7	21.1	21.2	21.6
	6H	20.4	20.8	21.0	21.3	21.8	21.2	21.6	21.7	22.1
	8H	20.5	20.8	21.0	21.3	21.9	21.4	21.7	21.9	22.2

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
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°
			Luminance in cd/m²				
45° 50° 55° 60°	γ	13817.2	13363.9	12979.5	12944.9	13175.4	15173.5
		13204.8	12899.6	12829.2	12674.3	12509.3	14022.7
		12581.2	12187.6	12745.0	12630.6	12070.0	13000.9
		12003.6	11611.6	12283.3	12803.4	11983.4	12230.2
65° 70° 75° 80° 85°	γ	11340.4	11017.1	11800.8	12929.0	12087.1	11701.8
		10288.8	10200.9	10768.7	12635.7	11904.5	10961.6
		7608.9	7883.7	8992.3	11479.9	10988.7	9733.4
		5134.8	5182.1	5959.6	8364.4	9228.1	8120.7
85°	γ	4039.8	3962.3	4374.0	5854.8	6416.0	6227.7

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Luminance values in cd/m²		siteco
		γ 65° γ 70° γ 75° γ 80° γ 85°



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Dimming levels table		environmental temperature: 25°C
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14000	76.8
95	240	252	13284	72.6
90	227	250	12613	68.6
85	213	248	11882	64.3
80	200	245	11200	60.3
75	187	243	10512	56.5
70	174	240	9821	52.6
65	161	237	9125	48.7
60	148	234	8419	44.8
55	135	231	7712	41.0
50	122	227	6995	37.3
45	109	223	6274	33.5
40	97	219	5602	30.0
35	85	214	4924	26.6
30	72	208	4184	22.9
25	60	201	3497	19.5
20	48	193	2803	16.1
15	36	182	2106	12.6
10	24	168	1404	9.2
5	12	142	695	5.9
2	4	102	219	3.6