

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL1EDV4M1S
EAN: 4058352925249

LP number
59263_185



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 26450 lm
 Power consumption = 150.5 W
 Luminous efficacy = 175.7 lm/W

serial
documentation
14.09.2023

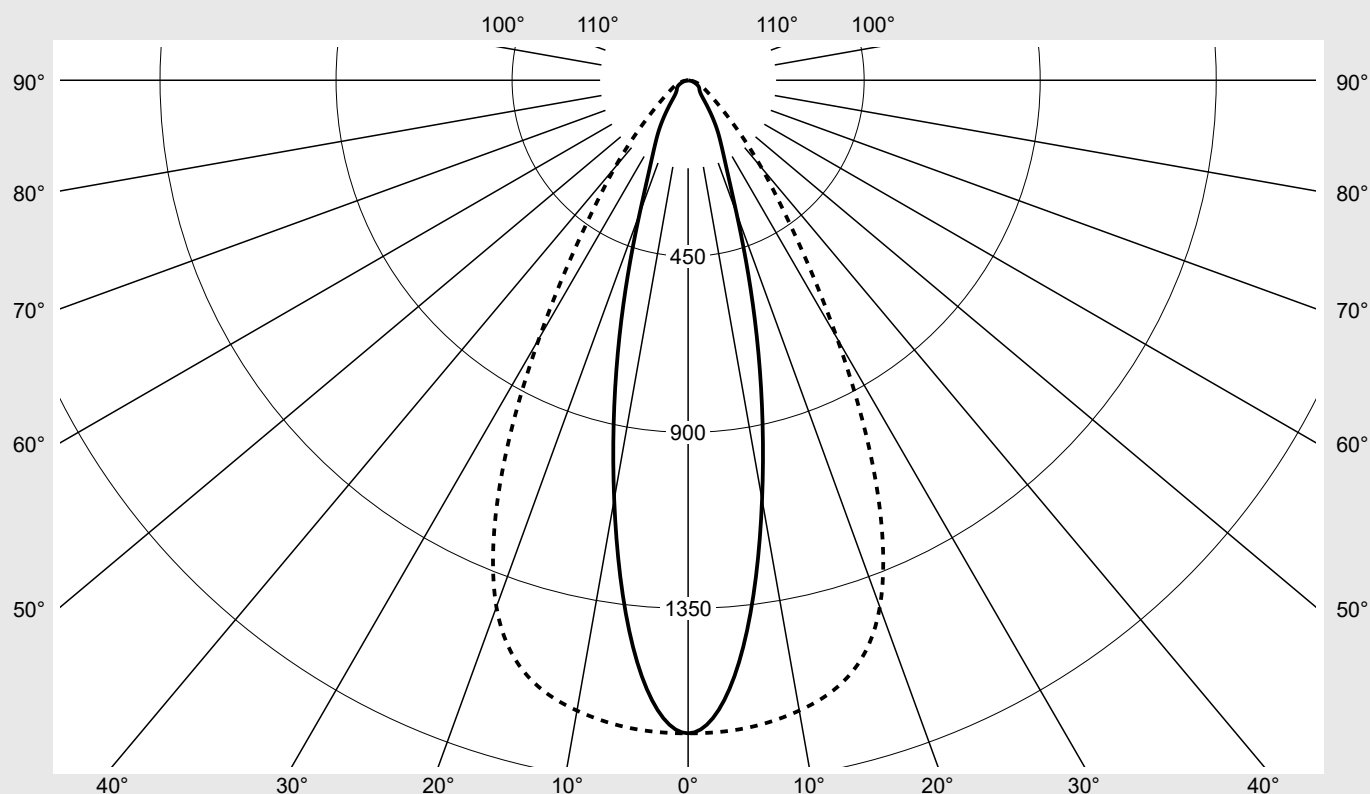
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 1670 cd/klm



Classifications

DIN 5040 A 7 0
 CIE N1=85 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	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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	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		
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	17.1	18.4	17.5	18.7	19.0	22.1	23.4	22.5	23.7	24.0
	3H	18.3	19.4	18.7	19.7	20.1	22.7	23.8	23.1	24.1	24.4
	4H	18.7	19.7	19.1	20.0	20.4	23.0	23.9	23.4	24.3	24.7
	6H	18.9	19.8	19.3	20.2	20.6	23.2	24.1	23.6	24.4	24.8
	8H	19.1	19.9	19.5	20.3	20.7	23.4	24.1	23.8	24.5	24.9
	12H	19.1	19.9	19.5	20.3	20.7	23.4	24.1	23.8	24.4	24.9
4H	2H	17.9	18.9	18.3	19.3	19.6	22.1	23.1	22.5	23.5	23.9
	3H	19.4	20.2	19.8	20.6	21.0	22.8	23.7	23.3	24.1	24.5
	4H	19.9	20.6	20.3	21.0	21.5	23.2	23.9	23.7	24.4	24.8
	6H	20.2	20.8	20.6	21.3	21.7	23.5	24.1	24.0	24.6	25.0
	8H	20.3	20.9	20.8	21.3	21.8	23.6	24.2	24.1	24.6	25.1
	12H	20.4	20.9	20.9	21.3	21.8	23.7	24.1	24.2	24.6	25.1
8H	4H	20.4	20.9	20.8	21.3	21.8	23.3	23.9	23.8	24.3	24.8
	6H	20.8	21.3	21.3	21.7	22.2	23.7	24.2	24.2	24.6	25.2
	8H	20.9	21.4	21.5	21.8	22.4	23.8	24.2	24.3	24.7	25.3
	12H	21.1	21.4	21.6	21.9	22.5	23.9	24.3	24.4	24.8	25.3
12H	4H	20.4	20.9	20.9	21.3	21.8	23.3	23.8	23.8	24.3	24.8
	6H	20.9	21.3	21.4	21.8	22.3	23.7	24.1	24.2	24.6	25.1
	8H	21.1	21.4	21.6	21.9	22.5	23.9	24.2	24.4	24.7	25.3

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2250 B = 58	
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°
γ	Luminance in cd/m²						
45°	12465.5	13149.4	16668.4	24730.3	28530.0	41676.8	50717.3
50°	11899.8	12291.1	13494.6	19245.4	21539.6	28167.3	34412.5
55°	12213.0	12361.1	12975.6	15362.6	17851.0	21069.8	26049.7
60°	12224.2	12625.9	13302.0	13874.4	15644.2	17017.6	21683.7
65°	11475.5	12169.0	13964.1	13480.7	14449.9	14761.2	19813.6
70°	10060.6	10882.0	13321.1	13820.7	13864.5	13432.5	18268.7
75°	8502.2	9404.3	12681.6	14043.4	13637.7	12326.8	16201.6
80°	7182.9	7767.7	10511.8	12438.8	12804.2	10840.9	13562.9
85°	7267.2	7750.9	9862.5	11690.4	11199.7	9055.6	9704.4

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Luminance values in cd/m²

γ 65°

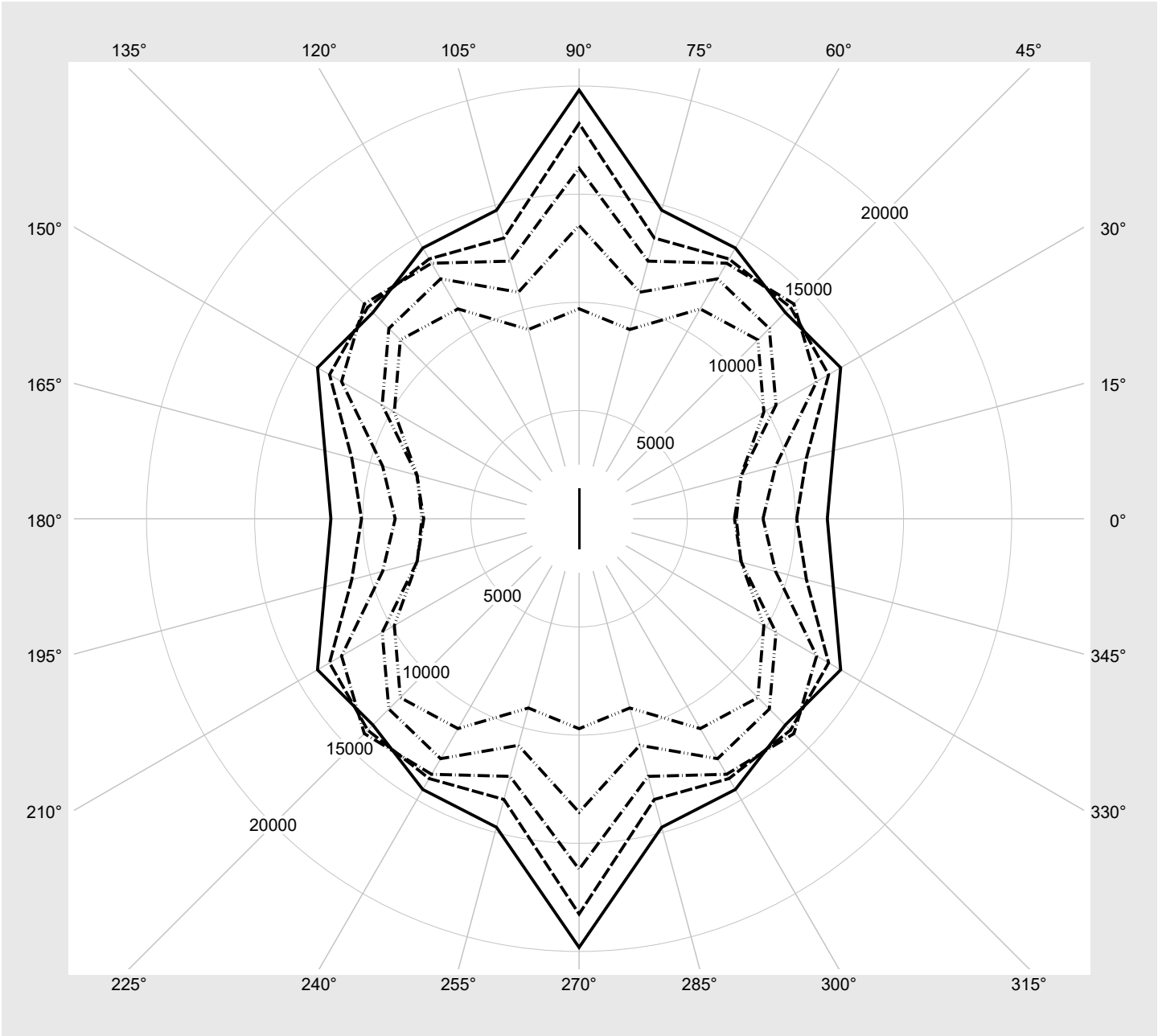
γ 70°

γ 75°

γ 80°

γ 85°

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Family Licross® 11 Recessed	Order number: 51TL1EDV4M1S EAN: 4058352925249	LP number 59263_185
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	26450	150.5
95	240	252	25104	141.7
90	226	250	23796	133.0
85	212	247	22452	124.4
80	199	245	21185	116.4
75	185	242	19802	107.9
70	172	240	18505	100.2
65	159	237	17192	92.6
60	146	234	15865	85.0
55	133	230	14528	77.5
50	120	227	13178	70.1
45	108	223	11919	63.2
40	95	218	10539	55.8
35	83	213	9250	49.0
30	71	207	7946	42.2
25	59	201	6629	35.3
20	47	192	5302	28.6
15	35	181	3960	21.7
10	23	166	2605	14.6
5	12	142	1354	7.9
2	4	102	434	2.8