

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE1EDV4M5S
EAN: 4058352965337

LP number
59263_187



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 25560 lm
 Power consumption = 144.7 W
 Luminous efficacy = 176.6 lm/W

serial
documentation
14.09.2023

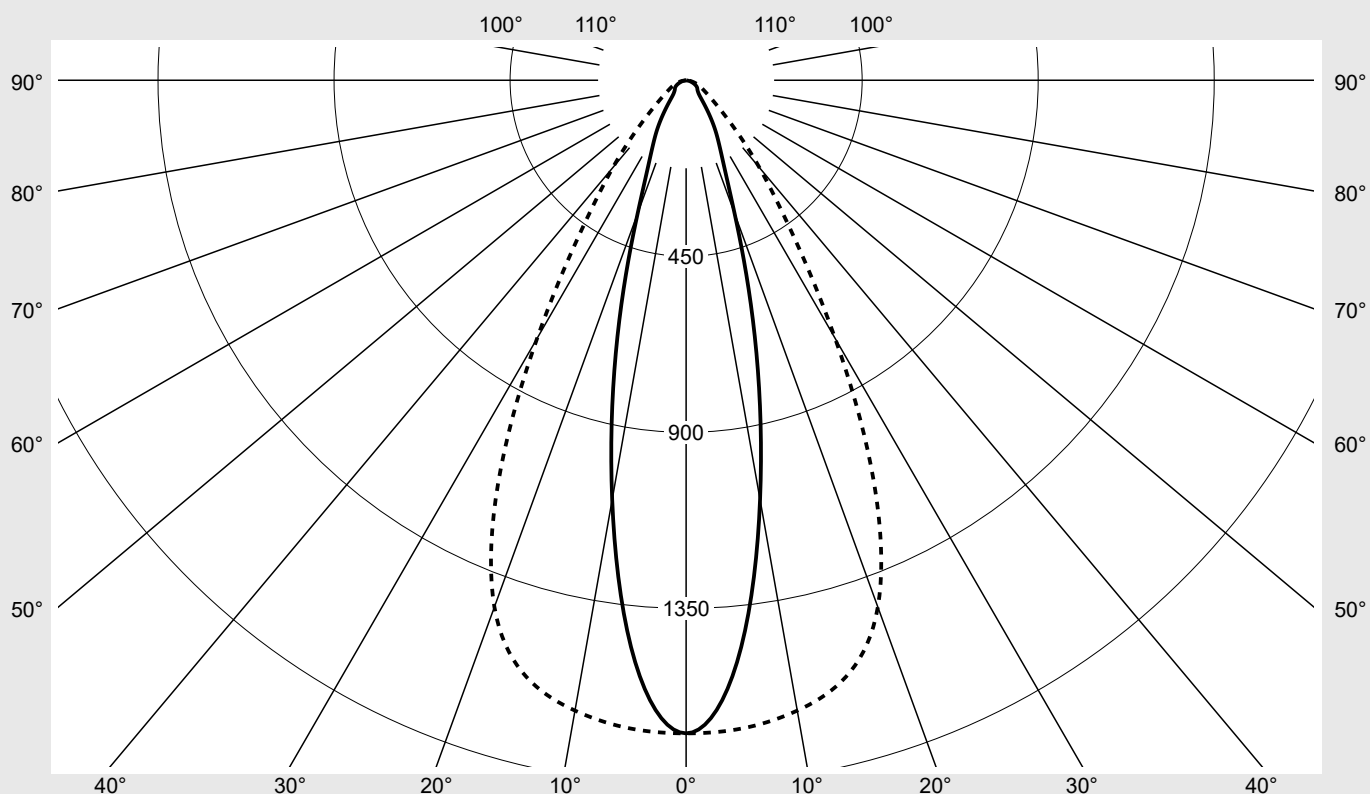
siteco

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	17.0	18.2	17.4	18.5	18.9	22.0	23.2	22.4	23.5	23.9
	3H	18.2	19.3	18.6	19.6	20.0	22.6	23.6	23.0	24.0	24.3
	4H	18.5	19.6	18.9	19.9	20.3	22.9	23.8	23.3	24.2	24.6
	6H	18.8	19.7	19.2	20.1	20.5	23.1	23.9	23.5	24.3	24.7
	8H	19.0	19.8	19.4	20.1	20.6	23.2	24.0	23.7	24.4	24.8
	12H	19.0	19.8	19.4	20.2	20.6	23.3	23.9	23.7	24.3	24.8
4H	2H	17.8	18.8	18.2	19.1	19.5	22.0	23.0	22.4	23.4	23.8
	3H	19.3	20.1	19.7	20.5	20.9	22.7	23.6	23.1	23.9	24.4
	4H	19.8	20.5	20.2	20.9	21.4	23.1	23.8	23.5	24.2	24.7
	6H	20.0	20.7	20.5	21.1	21.6	23.4	24.0	23.8	24.4	24.9
	8H	20.2	20.7	20.6	21.2	21.7	23.5	24.0	24.0	24.5	25.0
	12H	20.3	20.8	20.7	21.2	21.7	23.6	24.0	24.1	24.5	25.0
8H	4H	20.2	20.8	20.7	21.2	21.7	23.2	23.8	23.7	24.2	24.7
	6H	20.7	21.1	21.2	21.6	22.1	23.6	24.0	24.1	24.5	25.0
	8H	20.8	21.2	21.3	21.7	22.3	23.7	24.1	24.2	24.6	25.1
	12H	20.9	21.3	21.5	21.8	22.4	23.8	24.1	24.3	24.6	25.2
12H	4H	20.3	20.7	20.8	21.2	21.7	23.2	23.7	23.7	24.1	24.6
	6H	20.8	21.2	21.3	21.7	22.2	23.6	24.0	24.1	24.5	25.0
	8H	21.0	21.3	21.5	21.8	22.4	23.7	24.1	24.3	24.6	25.1

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°	12046.1	12707.0	16107.6	23898.2	27570.0	40274.5	49010.8
50°	11499.3	11877.5	13040.6	18597.8	20814.9	27219.5	33254.5
55°	11802.1	11945.1	12539.0	14845.6	17250.3	20360.8	25173.2
60°	11812.8	12201.0	12854.4	13407.5	15117.8	16445.0	20954.1
65°	11089.4	11759.6	13494.2	13027.1	13963.7	14264.5	19146.9
70°	9722.1	10515.8	12872.9	13355.6	13398.0	12980.5	17654.0
75°	8216.1	9087.8	12254.9	13570.9	13178.9	11912.0	15656.5
80°	6941.2	7506.3	10158.1	12020.3	12373.3	10476.2	13106.5
85°	7022.7	7490.1	9530.7	11297.0	10822.8	8750.9	9377.8

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Luminance values in cd/m²

γ 65°

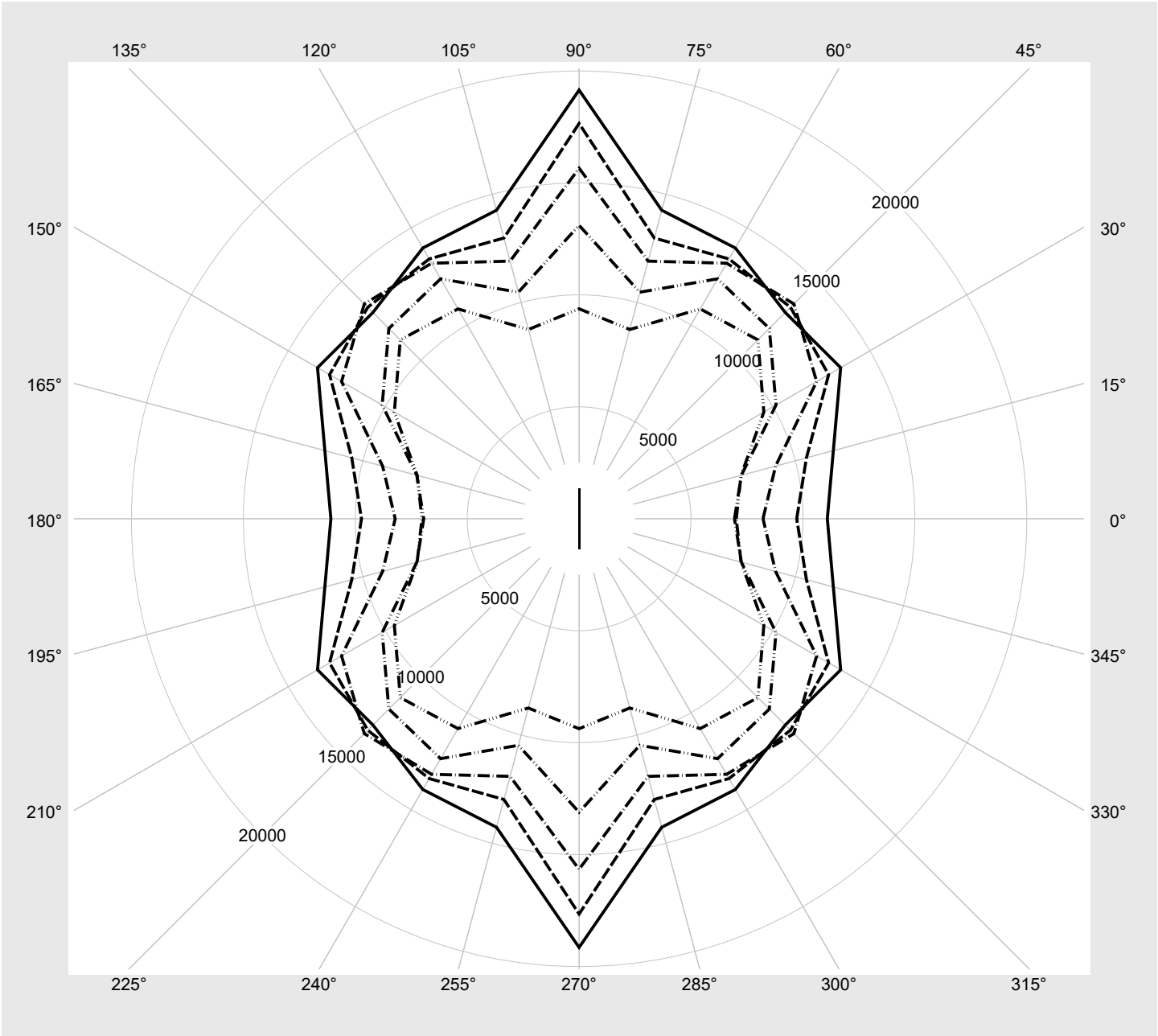
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Licross® 11 Recessed	Order number: 51TE1EDV4M5S EAN: 4058352965337	LP number 59263_187
Dimming levels table		environmental temperature: 25°C 

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	25560	144.7
95	240	252	24298	136.3
90	226	250	23012	128.0
85	212	247	21704	119.7
80	199	245	20475	112.1
75	185	242	19138	103.9
70	172	240	17877	96.6
65	159	237	16604	89.2
60	146	234	15323	82.0
55	133	230	14030	74.8
50	121	227	12825	68.1
45	108	223	11505	60.9
40	96	218	10272	54.4
35	83	213	8927	47.3
30	71	207	7667	40.8
25	59	201	6394	34.1
20	47	192	5114	27.6
15	35	181	3818	20.9
10	23	166	2510	14.1
5	12	142	1304	7.7
2	4	102	417	2.7