

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL1EDV4L2S
EAN: 4058352891889

LP number
59263_74



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 22130 lm
 Power consumption = 125.6 W
 Luminous efficacy = 176.2 lm/W

serial
documentation
02.08.2023

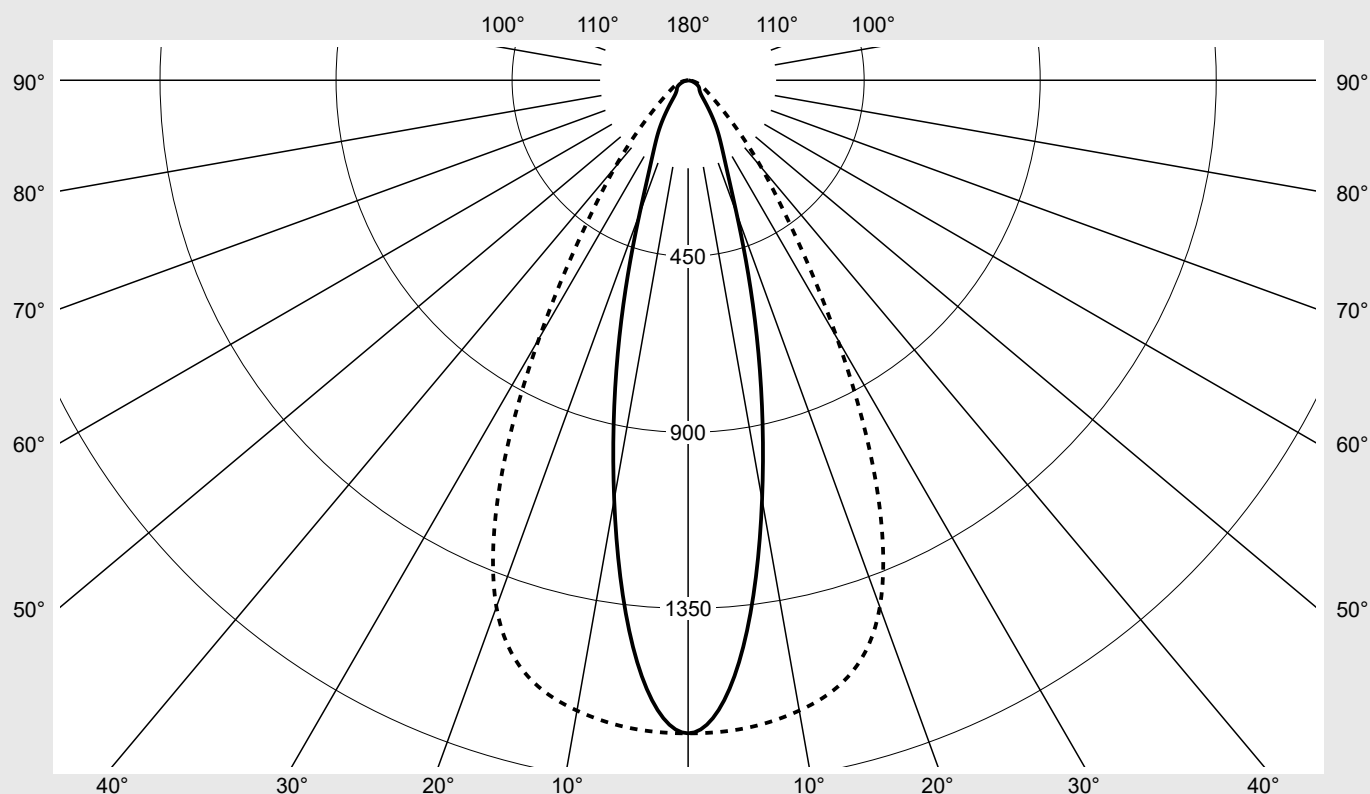
siteco

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	16.5	17.7	16.9	18.0	18.4	21.5	22.7	21.9	23.0	23.4
	3H	17.7	18.8	18.1	19.1	19.5	22.1	23.1	22.5	23.5	23.8
	4H	18.0	19.1	18.4	19.4	19.8	22.4	23.3	22.8	23.7	24.1
	6H	18.2	19.2	18.7	19.6	20.0	22.6	23.4	23.0	23.8	24.2
	8H	18.5	19.3	18.9	19.6	20.1	22.7	23.5	23.2	23.9	24.3
	12H	18.5	19.3	18.9	19.7	20.1	22.8	23.4	23.2	23.8	24.2
4H	2H	17.3	18.3	17.7	18.6	19.0	21.5	22.5	21.9	22.9	23.3
	3H	18.8	19.6	19.2	20.0	20.4	22.2	23.1	22.6	23.4	23.9
	4H	19.3	20.0	19.7	20.4	20.9	22.6	23.3	23.0	23.7	24.2
	6H	19.5	20.2	20.0	20.6	21.1	22.9	23.5	23.3	23.9	24.4
	8H	19.7	20.2	20.1	20.7	21.2	23.0	23.5	23.5	24.0	24.5
	12H	19.8	20.3	20.2	20.7	21.2	23.1	23.5	23.6	24.0	24.5
8H	4H	19.7	20.3	20.2	20.7	21.2	22.7	23.3	23.2	23.7	24.2
	6H	20.2	20.6	20.7	21.1	21.6	23.1	23.5	23.6	24.0	24.5
	8H	20.3	20.7	20.8	21.2	21.8	23.2	23.6	23.7	24.1	24.6
	12H	20.4	20.8	21.0	21.3	21.8	23.3	23.6	23.8	24.1	24.7
12H	4H	19.8	20.2	20.3	20.7	21.2	22.7	23.2	23.2	23.6	24.1
	6H	20.3	20.7	20.8	21.2	21.7	23.1	23.5	23.6	24.0	24.5
	8H	20.5	20.8	21.0	21.3	21.9	23.2	23.6	23.8	24.1	24.6

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°	10429.5	11001.8	13946.0	20691.2	23870.3	34869.9	42433.8
50°	9956.2	10283.6	11290.6	16102.1	18021.6	23566.8	28792.0
55°	10218.3	10342.2	10856.3	12853.4	14935.4	17628.5	21795.1
60°	10227.6	10563.7	11129.4	11608.3	13089.1	14238.2	18142.2
65°	9601.3	10181.5	11683.4	11278.9	12089.9	12350.3	16577.5
70°	8417.4	9104.6	11145.4	11563.4	11600.1	11238.6	15285.0
75°	7113.5	7868.3	10610.3	11749.7	11410.3	10313.5	13555.5
80°	6009.8	6499.0	8794.9	10407.2	10712.9	9070.3	11347.7
85°	6080.3	6485.0	8251.7	9781.0	9370.5	7576.5	8119.4

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Order number: **52TL1EDV4L2S**
EAN: **4058352891889**

LP number
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Luminance values in cd/m²

γ 65°

γ 70°

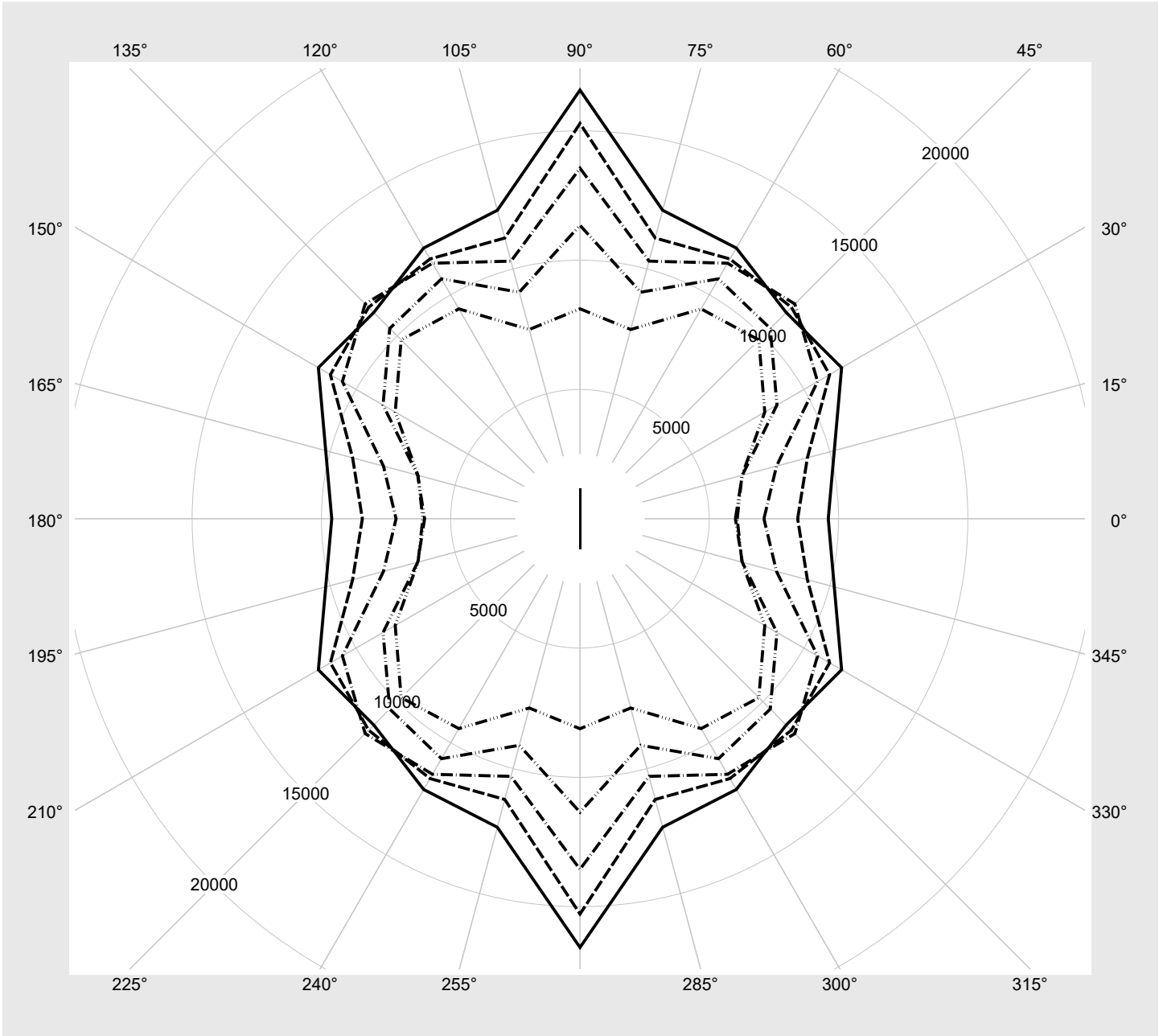
γ 75°

γ 80°

γ 85°

sit

eco



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Family Licross® 21 Recessed	Order number: 52TL1EDV4L2S EAN: 4058352891889	LP number 59263_74
Dimming levels table environmental temperature: 25°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	22130	125.6
95	240	252	21019	118.9
90	226	250	19899	112.2
85	213	248	18841	106.0
80	199	245	17692	99.1
75	186	243	16610	92.8
70	173	240	15516	86.4
65	160	237	14410	80.1
60	147	234	13294	73.8
55	134	231	12169	67.4
50	121	227	11026	61.2
45	109	223	9967	55.4
40	96	218	8809	49.1
35	84	213	7726	43.3
30	72	208	6639	37.6
25	60	201	5546	31.8
20	48	193	4439	26.0
15	36	182	3329	20.2
10	24	168	2213	14.0
5	12	142	1084	7.6
1	4	102	332	2.8