

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL1EDN465G
EAN: 4058352891742

LP number
59263_79



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 6990 lm
 Power consumption = 39.3 W
 Luminous efficacy = 177.9 lm/W

serial
documentation
03.08.2023

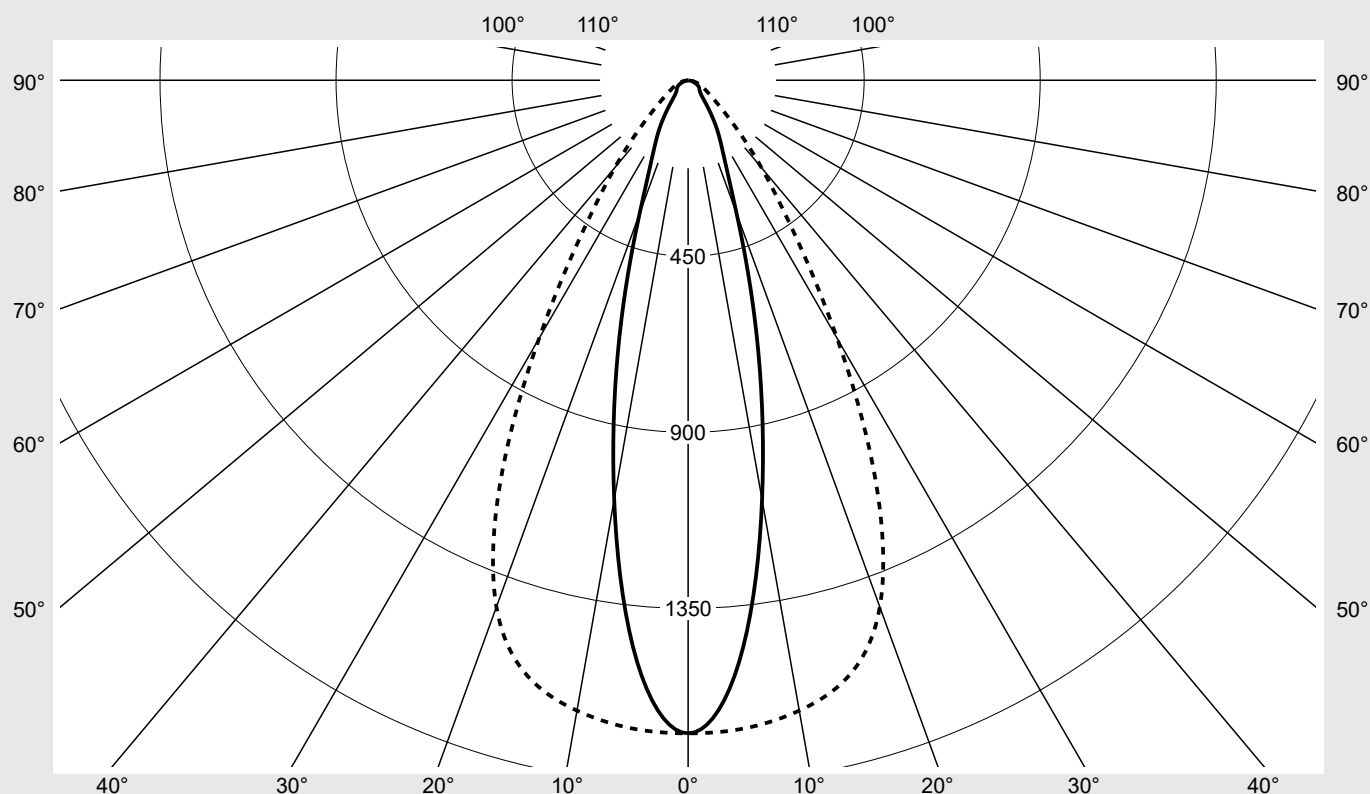
siteco

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	13.9	15.1	14.3	15.4	15.8	18.9	20.1	19.3	20.5	20.8
	3H	15.1	16.2	15.5	16.5	16.9	19.5	20.5	19.9	20.9	21.2
	4H	15.4	16.5	15.8	16.8	17.2	19.8	20.7	20.2	21.1	21.5
	6H	15.7	16.6	16.1	17.0	17.4	20.0	20.9	20.4	21.2	21.6
	8H	15.9	16.7	16.3	17.0	17.5	20.1	20.9	20.6	21.3	21.7
	12H	15.9	16.7	16.3	17.1	17.5	20.2	20.8	20.6	21.2	21.7
4H	2H	14.7	15.7	15.1	16.0	16.4	18.9	19.9	19.3	20.3	20.7
	3H	16.2	17.0	16.6	17.4	17.8	19.6	20.5	20.0	20.8	21.3
	4H	16.7	17.4	17.1	17.8	18.3	20.0	20.7	20.4	21.1	21.6
	6H	16.9	17.6	17.4	18.0	18.5	20.3	20.9	20.7	21.4	21.8
	8H	17.1	17.6	17.5	18.1	18.6	20.4	21.0	20.9	21.4	21.9
	12H	17.2	17.7	17.6	18.1	18.6	20.5	20.9	21.0	21.4	21.9
8H	4H	17.1	17.7	17.6	18.1	18.6	20.1	20.7	20.6	21.1	21.6
	6H	17.6	18.0	18.1	18.5	19.0	20.5	20.9	21.0	21.4	21.9
	8H	17.7	18.1	18.2	18.6	19.2	20.6	21.0	21.1	21.5	22.0
	12H	17.9	18.2	18.4	18.7	19.3	20.7	21.0	21.2	21.6	22.1
12H	4H	17.2	17.6	17.7	18.1	18.6	20.1	20.6	20.6	21.0	21.5
	6H	17.7	18.1	18.2	18.6	19.1	20.5	20.9	21.0	21.4	21.9
	8H	17.9	18.2	18.4	18.7	19.3	20.6	21.0	21.2	21.5	22.0

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 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°	4941.4	5212.5	6607.5	9803.3	11309.5	16521.0	20104.8
50°	4717.2	4872.3	5349.4	7629.0	8538.5	11165.7	13641.4
55°	4841.3	4900.0	5143.6	6089.8	7076.3	8352.2	10326.3
60°	4845.8	5005.0	5273.0	5499.9	6201.5	6745.9	8595.6
65°	4549.0	4823.9	5535.5	5343.9	5728.1	5851.5	7854.3
70°	3988.1	4313.7	5280.6	5478.6	5496.0	5324.8	7241.9
75°	3370.3	3727.9	5027.1	5566.9	5406.1	4886.5	6422.5
80°	2847.4	3079.2	4167.0	4930.9	5075.7	4297.4	5376.4
85°	2880.8	3072.5	3909.6	4634.2	4439.6	3589.7	3846.9

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Order number: **52TL1EDN465G**
EAN: **4058352891742**

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Luminance values in cd/m²

γ 65°

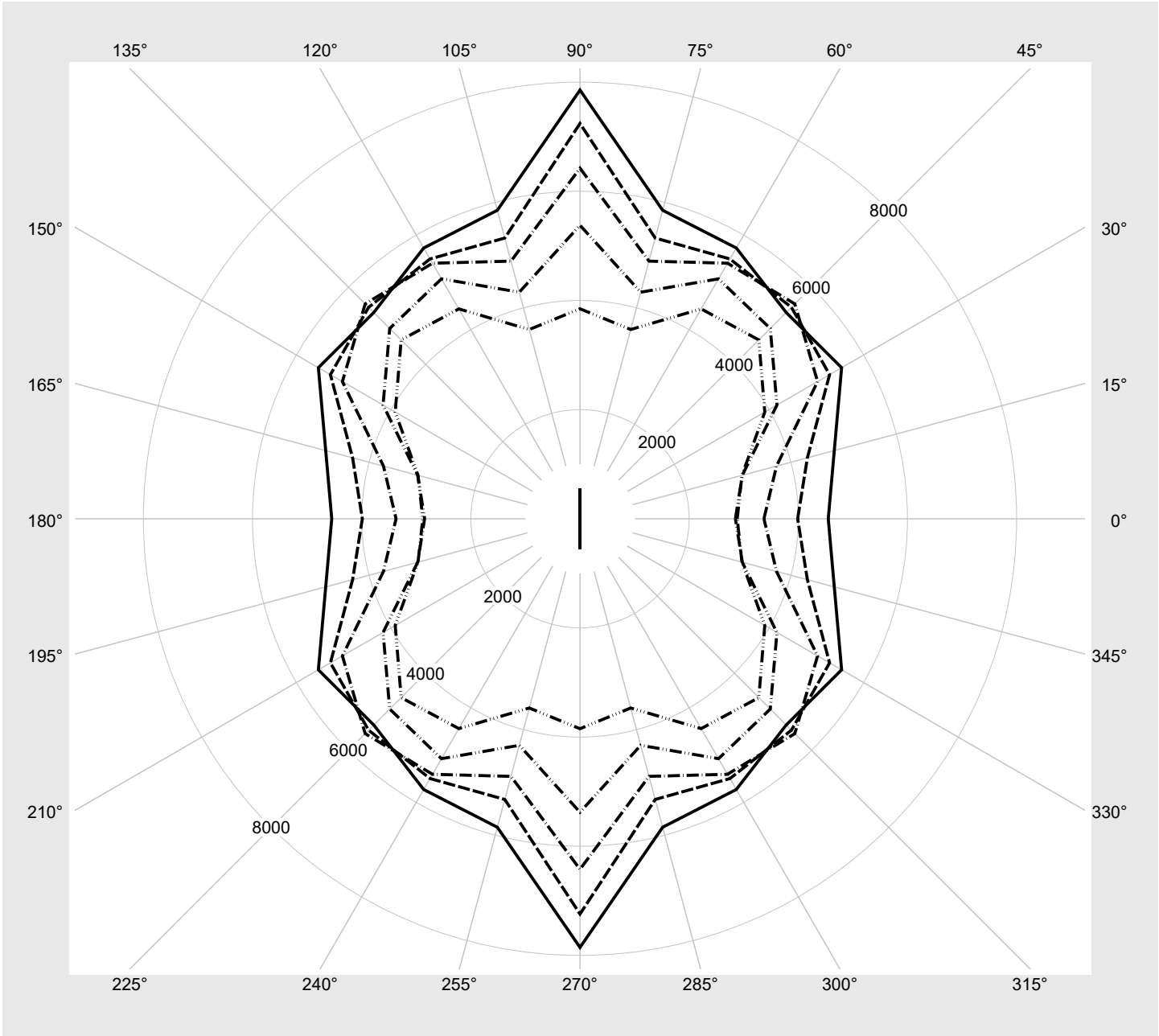
γ 70°

γ 75°


γ 80°

γ 85°

siteco



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Dimming levels table <div>environmental temperature: 25°C</div>		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	----	----	----	----
99	252	254	6937	39.0
95	241	252	6653	37.3
90	227	250	6286	35.2
85	214	248	5942	33.2
80	201	245	5598	31.3
75	188	243	5250	29.2
70	175	240	4899	27.4
65	162	238	4548	25.6
60	149	234	4193	23.7
55	136	231	3834	21.8
50	124	228	3505	20.1
45	111	224	3143	18.1
40	99	219	2807	16.3
35	86	214	2444	14.3
30	74	209	2106	12.3
25	61	202	1736	11.0
20	49	194	1396	9.3
15	37	183	1052	7.4
12	29	175	824	6.3