

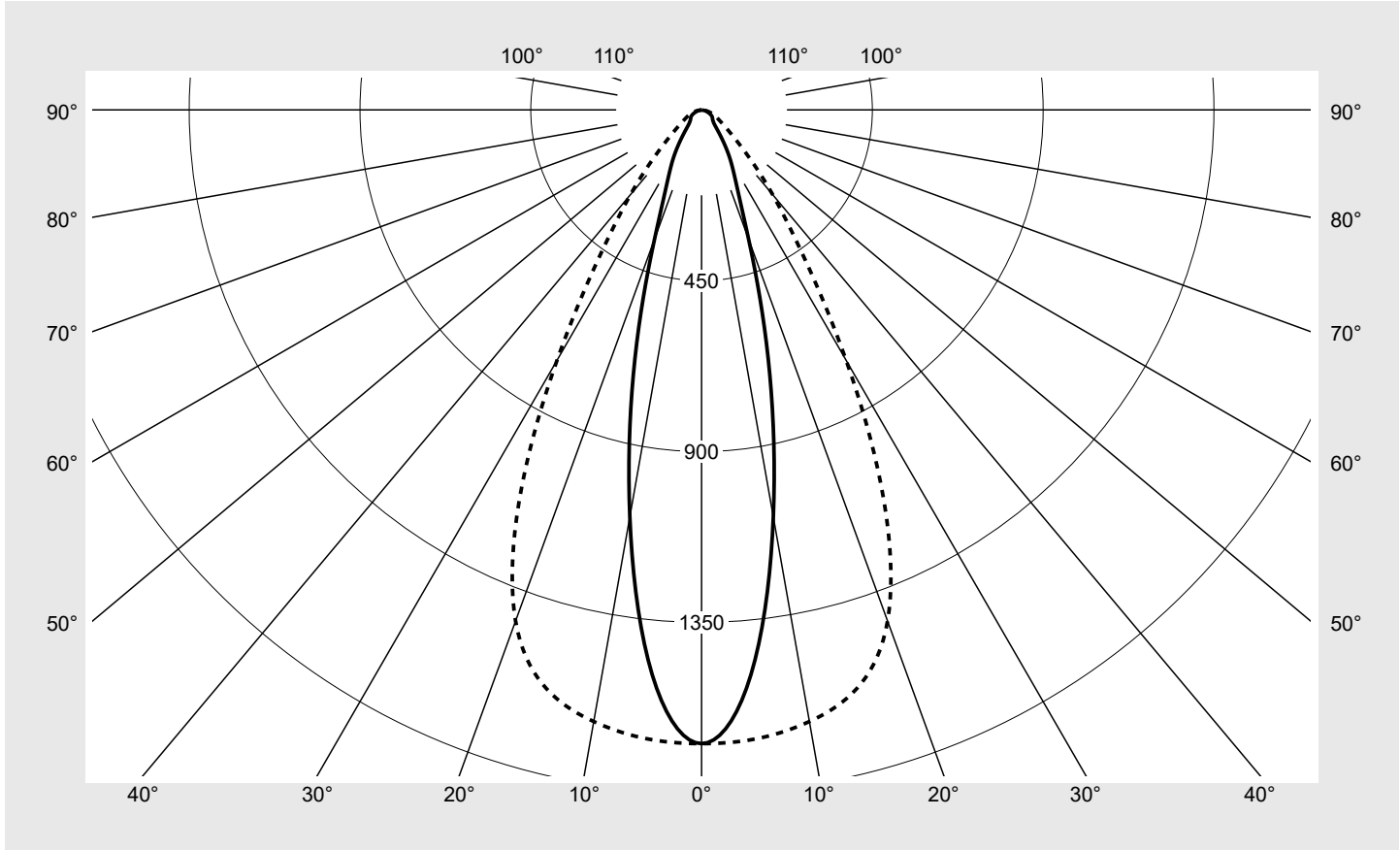


Photometric test report

Family Licross® 21 Recessed	Order number: 52UL1EDV4D5F00S EAN: 4058352608357	LP number 59263_15
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 13820 lm Power consumption = 87.2 W Luminous efficacy = 158.5 lm/W	serial documentation 22.02.2022
		

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
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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								
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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	14.9	16.1	15.2	16.4	16.7	19.9	21.1	20.2	21.4	21.7
	3H	16.0	17.1	16.4	17.5	17.8	20.5	21.5	20.8	21.8	22.2
	4H	16.4	17.4	16.8	17.8	18.2	20.7	21.7	21.1	22.0	22.4
	6H	16.6	17.6	17.0	18.0	18.3	21.0	21.8	21.4	22.2	22.6
	8H	16.8	17.6	17.2	18.0	18.4	21.1	21.8	21.5	22.2	22.6
	12H	16.8	17.6	17.3	18.0	18.4	21.1	21.8	21.6	22.2	22.6
4H	2H	15.7	16.7	16.1	17.0	17.4	19.9	20.9	20.3	21.2	21.6
	3H	17.1	17.9	17.5	18.3	18.7	20.6	21.4	21.0	21.8	22.2
	4H	17.6	18.4	18.1	18.8	19.2	20.9	21.7	21.4	22.1	22.5
	6H	17.9	18.6	18.4	19.0	19.5	21.2	21.9	21.7	22.3	22.8
	8H	18.0	18.6	18.5	19.1	19.5	21.4	21.9	21.9	22.4	22.8
	12H	18.1	18.6	18.6	19.1	19.6	21.4	21.9	21.9	22.4	22.9
8H	4H	18.1	18.6	18.6	19.1	19.6	21.0	21.6	21.5	22.1	22.6
	6H	18.6	19.0	19.1	19.5	20.0	21.5	21.9	22.0	22.4	22.9
	8H	18.7	19.1	19.2	19.6	20.1	21.6	22.0	22.1	22.5	23.0
	12H	18.8	19.2	19.3	19.7	20.2	21.7	22.0	22.2	22.5	23.1
12H	4H	18.2	18.6	18.6	19.1	19.6	21.0	21.5	21.5	22.0	22.5
	6H	18.7	19.0	19.2	19.5	20.1	21.4	21.8	22.0	22.3	22.9
	8H	18.8	19.2	19.4	19.7	20.2	21.6	22.0	22.1	22.5	23.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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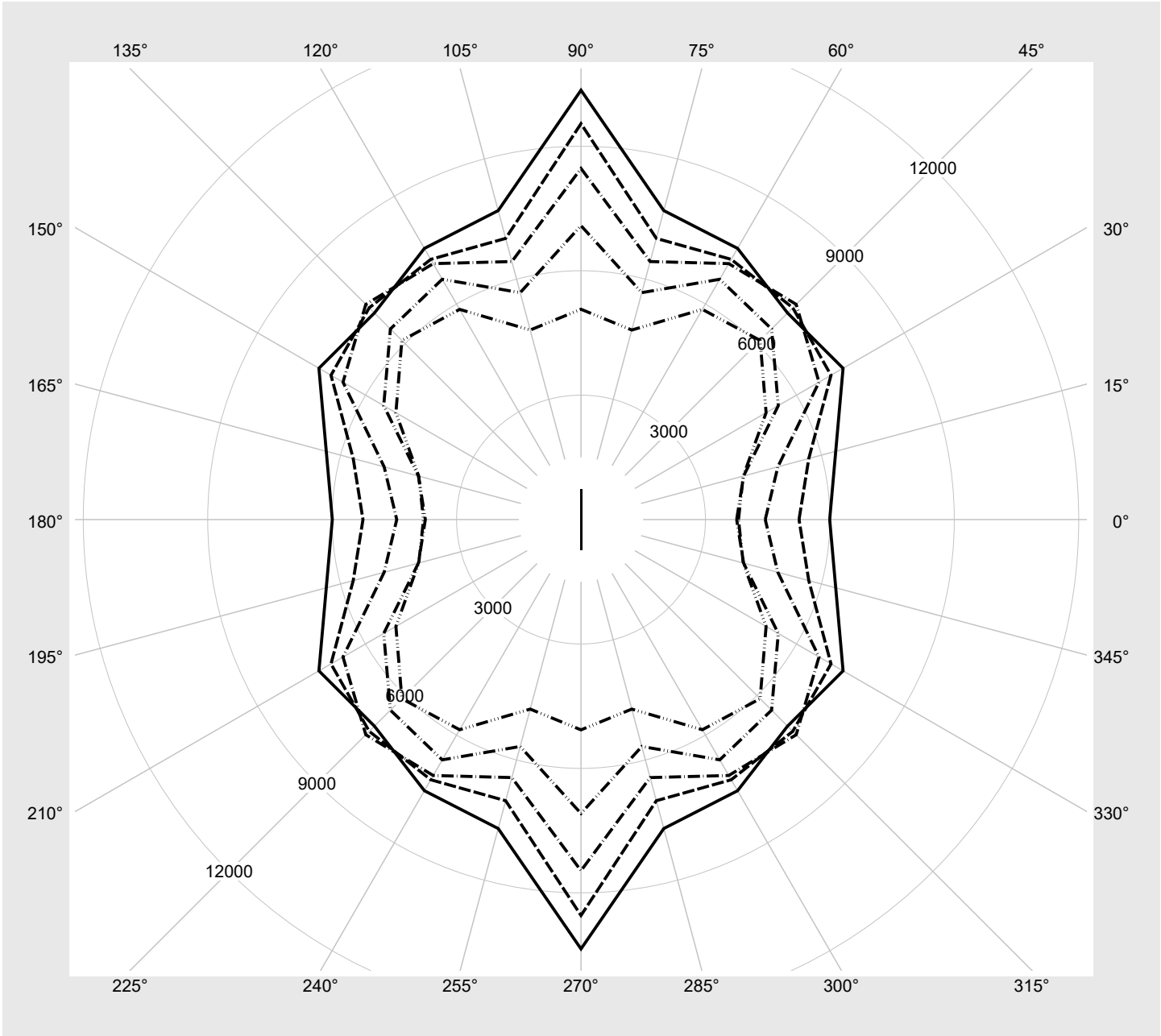
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		6513.2	6870.5	8709.2	12921.5	14906.8	21775.9	26499.6	
50°		6217.6	6422.0	7050.9	10055.6	11254.4	14717.3	17980.3	
55°		6381.2	6458.6	6779.7	8026.9	9327.0	11008.8	13610.9	
60°		6387.1	6597.0	6950.2	7249.3	8174.0	8891.6	11329.6	
65°		5995.9	6358.3	7296.2	7043.6	7550.0	7712.7	10352.5	
70°		5256.6	5685.8	6960.2	7221.2	7244.2	7018.4	9545.3	
75°		4442.3	4913.7	6626.1	7337.6	7125.7	6440.7	8465.3	
80°		3753.1	4058.6	5492.4	6499.2	6690.1	5664.3	7086.5	
85°		3797.1	4049.8	5153.1	6108.2	5851.8	4731.5	5070.5	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	13820	87.2
95	240	252	13146	82.2
90	226	250	12460	77.2
85	212	247	11761	72.3
80	198	245	11053	67.4
75	185	242	10388	62.8
70	171	240	9658	58.1
65	158	237	8974	53.6
60	145	233	8277	49.1
55	133	230	7627	45.1
50	120	227	6913	40.8
45	107	222	6191	36.5
40	95	218	5516	32.6
35	83	213	4838	28.6
30	71	207	4149	24.8
25	59	201	3455	21.0
20	47	192	2758	17.2
15	35	181	2051	13.4
10	24	168	1397	9.9
5	12	142	679	6.2
1	4	102	195	3.9