

Photometric test report

Family
Licross® 21 Recessed

Order number: **52UL1EDV4K5R00S**
EAN: **4058352608371**

LP number
59263_14



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 19890 lm
Power consumption = 121.7 W
Luminous efficacy = 163.4 lm/W

serial
documentation
22.02.2022

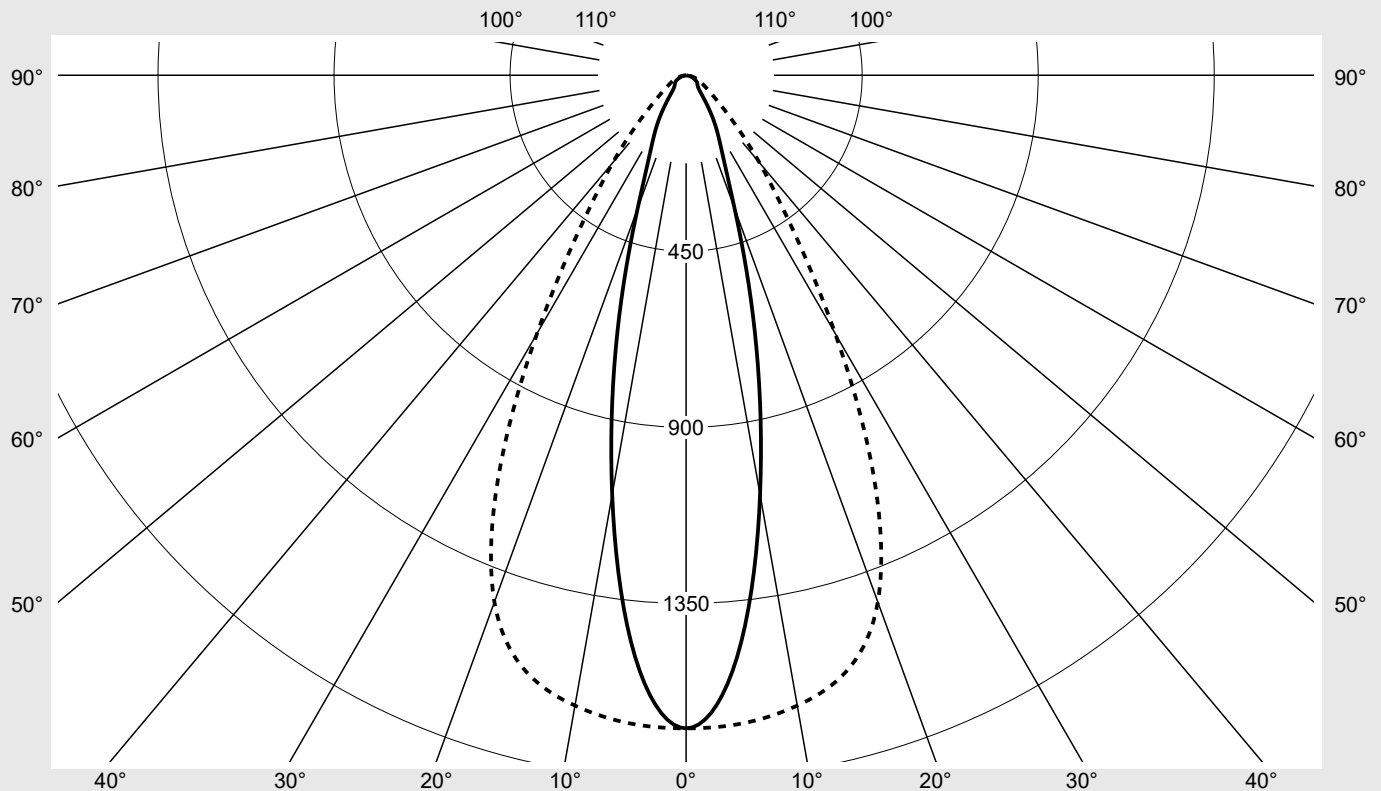
siteco

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
		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	16.1	17.4	16.5	17.7	18.0	21.1	22.4	21.5	22.7	23.0
	3H	17.3	18.4	17.7	18.7	19.1	21.7	22.8	22.1	23.1	23.5
	4H	17.7	18.7	18.1	19.1	19.4	22.0	23.0	22.4	23.3	23.7
	6H	17.9	18.8	18.3	19.2	19.6	22.2	23.1	22.6	23.5	23.8
	8H	18.1	18.9	18.5	19.3	19.7	22.4	23.1	22.8	23.5	23.9
	12H	18.1	18.9	18.5	19.3	19.7	22.4	23.1	22.8	23.5	23.9
4H	2H	17.0	17.9	17.4	18.3	18.6	21.1	22.2	21.5	22.5	22.9
	3H	18.4	19.2	18.8	19.6	20.0	21.8	22.7	22.3	23.1	23.5
	4H	18.9	19.6	19.3	20.0	20.5	22.2	23.0	22.7	23.4	23.8
	6H	19.2	19.8	19.6	20.3	20.7	22.5	23.1	23.0	23.6	24.0
	8H	19.3	19.9	19.8	20.3	20.8	22.6	23.2	23.1	23.6	24.1
	12H	19.4	19.9	19.9	20.4	20.8	22.7	23.2	23.2	23.6	24.1
8H	4H	19.4	19.9	19.9	20.4	20.8	22.3	22.9	22.8	23.3	23.8
	6H	19.8	20.3	20.3	20.7	21.3	22.7	23.2	23.2	23.6	24.2
	8H	20.0	20.4	20.5	20.9	21.4	22.8	23.3	23.4	23.7	24.3
	12H	20.1	20.4	20.6	20.9	21.5	22.9	23.3	23.5	23.8	24.3
12H	4H	19.4	19.9	19.9	20.3	20.8	22.3	22.8	22.8	23.3	23.8
	6H	19.9	20.3	20.4	20.8	21.3	22.7	23.1	23.2	23.6	24.1
	8H	20.1	20.5	20.6	21.0	21.5	22.9	23.2	23.4	23.7	24.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			B = 58

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°		9373.9	9888.2	12534.4	18596.8	21454.1	31340.3	38138.6	
50°		8948.4	9242.7	10147.8	14472.2	16197.5	21181.4	25877.6	
55°		9184.0	9295.3	9757.4	11552.4	13423.6	15844.1	19589.0	
60°		9192.4	9494.5	10002.9	10433.3	11764.2	12797.0	16305.8	
65°		8629.4	9150.9	10500.8	10137.3	10866.1	11100.2	14899.6	
70°		7565.4	8183.1	10017.3	10392.9	10425.9	10101.1	13737.8	
75°		6393.5	7071.9	9536.3	10560.4	10255.4	9269.6	12183.4	
80°		5401.5	5841.2	7904.7	9353.8	9628.5	8152.2	10199.1	
85°		5464.9	5828.6	7416.5	8791.0	8422.0	6809.6	7297.5	

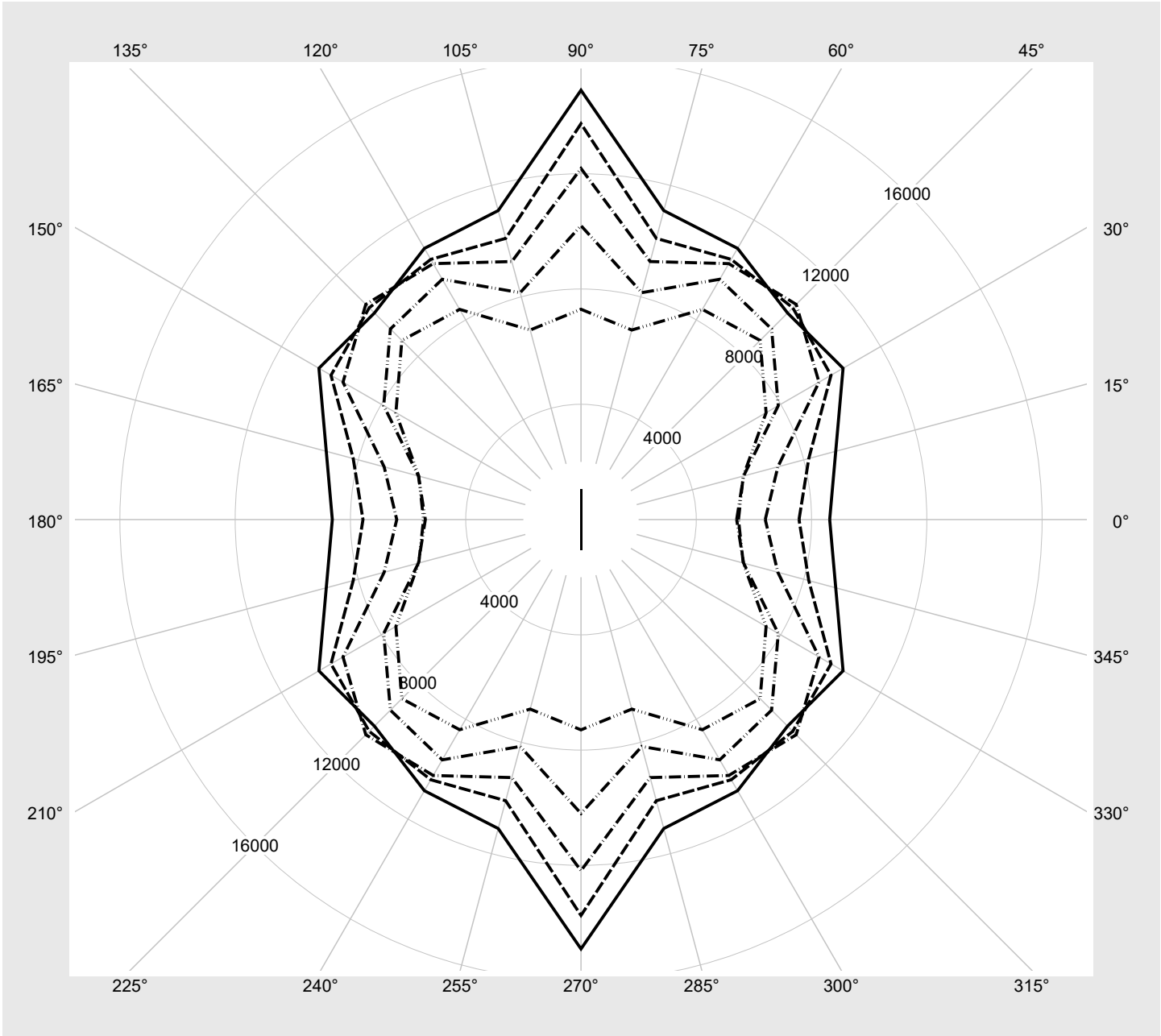
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Luminance values in cd/m²

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	19890	121.7
95	240	252	18926	114.9
90	226	250	17928	107.9
85	212	247	16921	101.1
80	198	245	15895	94.2
75	185	242	14932	88.1
70	172	240	13952	81.7
65	159	237	12957	75.6
60	146	234	11954	69.4
55	133	230	10942	63.1
50	120	227	9914	57.0
45	108	223	8954	51.5
40	96	218	7984	45.9
35	83	213	6924	39.8
30	71	207	5937	34.4
25	59	201	4938	28.9
20	48	193	4015	23.9
15	36	182	3000	18.6
10	24	168	1981	13.1
5	13	145	1036	8.1
2	5	110	344	4.4