

Photometric test report

Family
Licross® 11 Recessed

Order number: 51UL1EDV4M5R00S
EAN: 4058352608333

LP number
59263_16



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 25560 lm
Power consumption = 150.1 W
Luminous efficacy = 170.3 lm/W

serial
documentation
22.02.2022

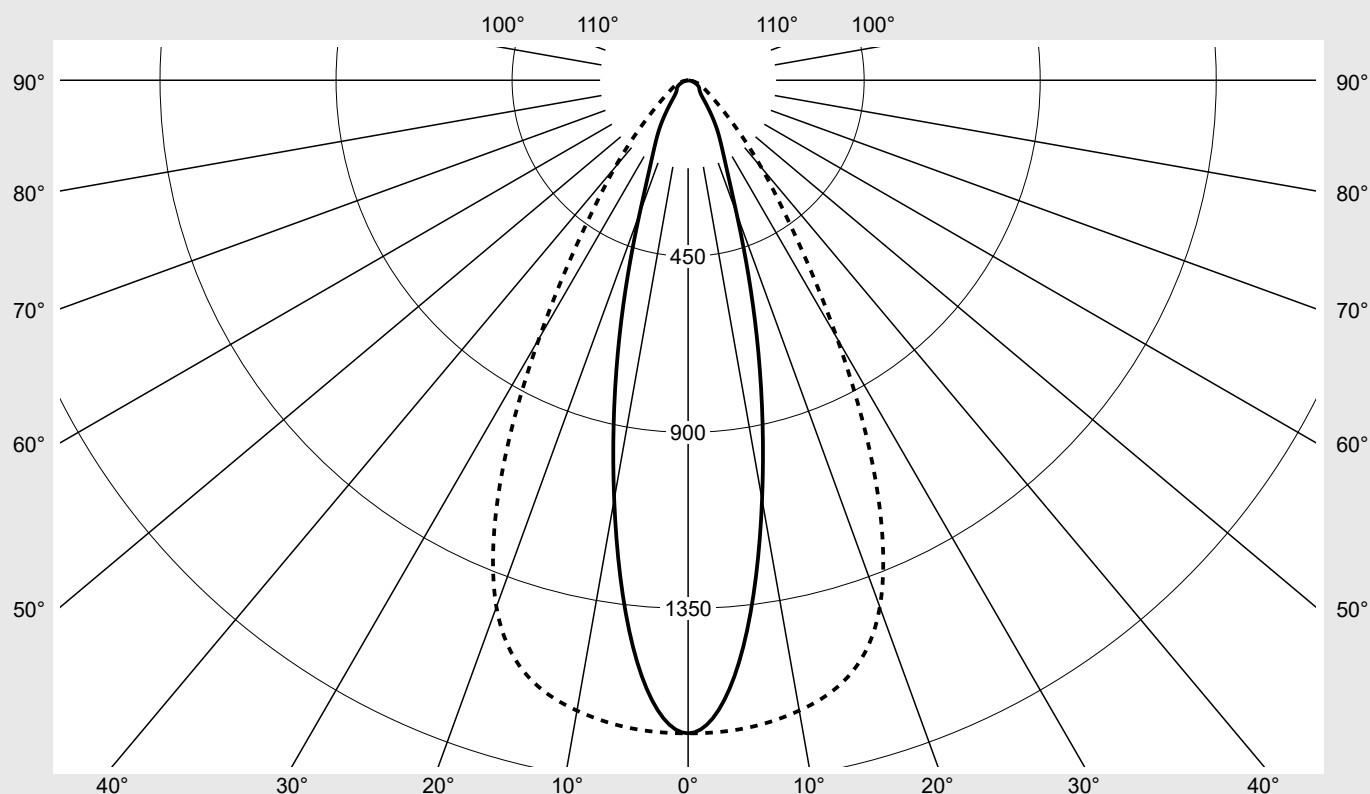
siteco

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	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	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°		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

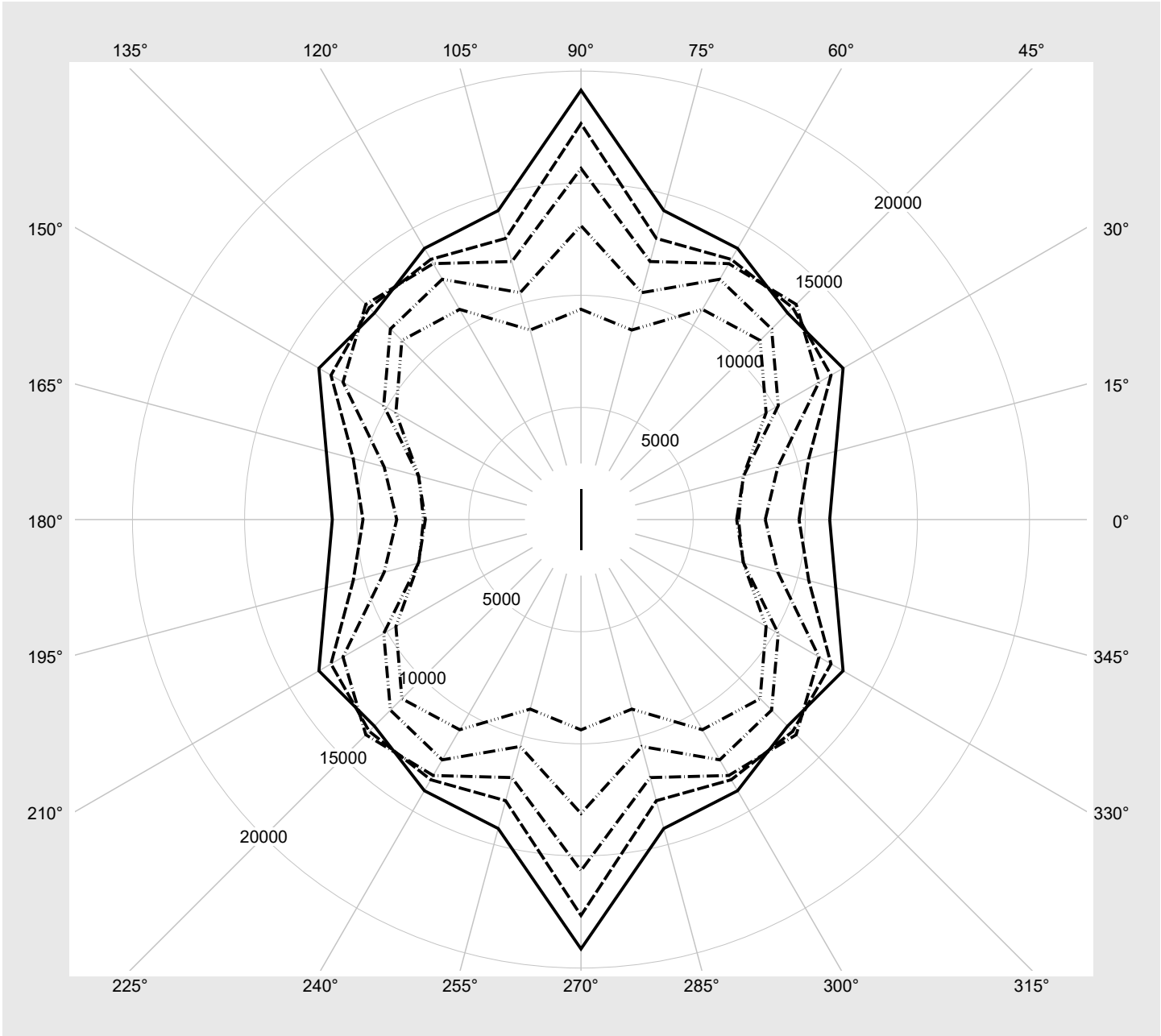
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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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	25560	150.1
95	240	252	24267	141.6
90	227	250	23050	133.6
85	213	248	21729	125.0
80	200	245	20483	117.1
75	186	243	19129	108.7
70	173	240	17855	100.9
65	160	237	16571	93.2
60	148	234	15374	86.2
55	135	231	14067	78.5
50	122	227	12755	71.1
45	110	223	11528	63.9
40	97	219	10185	56.6
35	85	214	8934	49.8
30	73	208	7673	43.0
25	61	202	6401	36.2
20	49	194	5118	29.5
15	37	183	3830	22.8
10	25	169	2527	16.2
5	14	148	1325	10.1
1	4	102	224	4.6