

Photometric test report

Family
Licross® 11 Protected

Order number: 51TP12DN4FXMD
EAN: 4069025295699

LP number
58523_206



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting AC-mode
Rated values Net luminous flux = 15270 lm
 Power consumption = 87.3 W
 Luminous efficacy = 174.9 lm/W

serial
documentation
04.10.2023

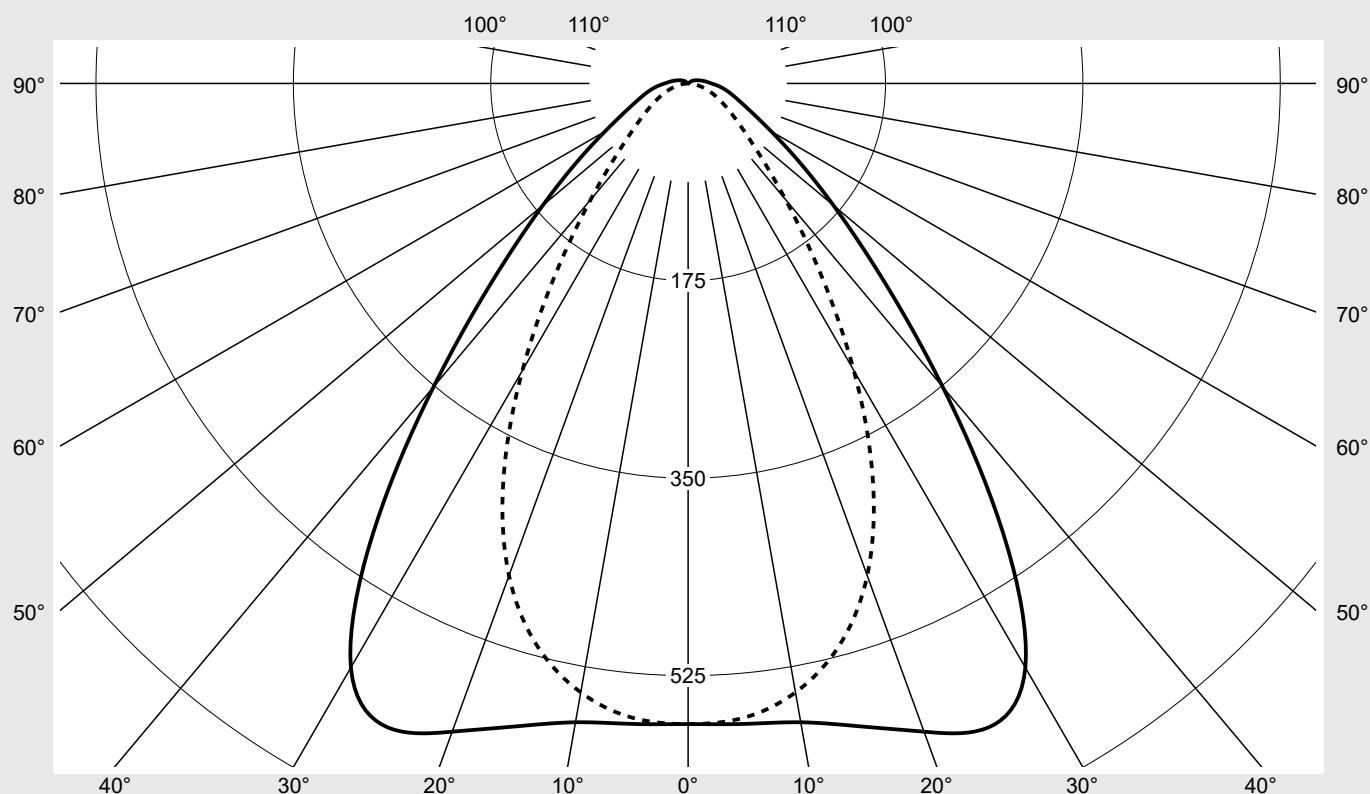
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 630 cd/klm



Classifications

DIN 5040 A 5 1
 CIE N1=70 N2=91 N3=97
 N4=98 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 98.3%
 ϕ_o 1.7%

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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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	23.4	24.9	23.8	25.2	25.5	19.3	20.7	19.6	21.0	21.4
	3H	24.0	25.3	24.4	25.7	26.0	19.7	21.0	20.1	21.3	21.7
	4H	24.4	25.6	24.8	25.9	26.3	19.9	21.1	20.3	21.5	21.8
	6H	24.8	25.9	25.2	26.2	26.6	20.0	21.2	20.4	21.5	21.9
	8H	25.1	26.0	25.5	26.4	26.8	20.1	21.2	20.5	21.6	22.0
	12H	25.3	26.2	25.8	26.6	27.0	20.2	21.2	20.6	21.5	22.0
4H	2H	23.5	24.7	23.9	25.1	25.4	20.0	21.1	20.3	21.5	21.9
	3H	24.2	25.2	24.6	25.6	26.0	20.5	21.5	20.9	21.9	22.3
	4H	24.7	25.6	25.1	26.0	26.4	20.8	21.7	21.2	22.1	22.5
	6H	25.2	26.0	25.7	26.4	26.9	21.0	21.8	21.4	22.2	22.7
	8H	25.6	26.3	26.0	26.7	27.2	21.1	21.8	21.5	22.2	22.7
	12H	25.9	26.5	26.4	27.0	27.5	21.1	21.8	21.6	22.2	22.7
8H	4H	24.7	25.4	25.1	25.9	26.3	21.1	21.8	21.6	22.2	22.7
	6H	25.3	25.9	25.8	26.4	26.9	21.4	22.0	21.9	22.5	23.0
	8H	25.7	26.3	26.2	26.7	27.3	21.5	22.1	22.0	22.5	23.1
	12H	26.2	26.7	26.8	27.2	27.7	21.7	22.1	22.2	22.6	23.1
12H	4H	24.7	25.3	25.2	25.8	26.3	21.2	21.8	21.7	22.2	22.7
	6H	25.3	25.9	25.8	26.3	26.9	21.6	22.0	22.1	22.5	23.0
	8H	25.8	26.2	26.3	26.7	27.3	21.7	22.1	22.2	22.6	23.2

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:		L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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°	38756.6	40388.1	42034.7	35454.3	24242.2	18041.6	16823.7
50°	28896.4	30046.4	31420.2	26073.6	17668.0	13652.1	13112.0
55°	22144.4	22846.6	23583.8	19222.8	13310.7	10942.3	10959.8
60°	17468.8	17758.3	17857.8	14527.2	10561.9	9201.5	9540.3
65°	14707.8	14559.1	13917.4	11410.3	8867.9	8036.6	8505.6
70°	13362.3	12786.3	11307.1	9378.7	7793.2	7156.4	7686.7
75°	13003.1	12004.5	9800.2	8061.1	6996.8	6379.1	6901.6
80°	13305.1	11952.2	9193.0	7278.0	6388.9	5751.2	6107.7
85°	14191.7	12645.1	9391.0	7224.3	6209.2	5346.8	5495.6

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Luminance values in cd/m²

γ 65°

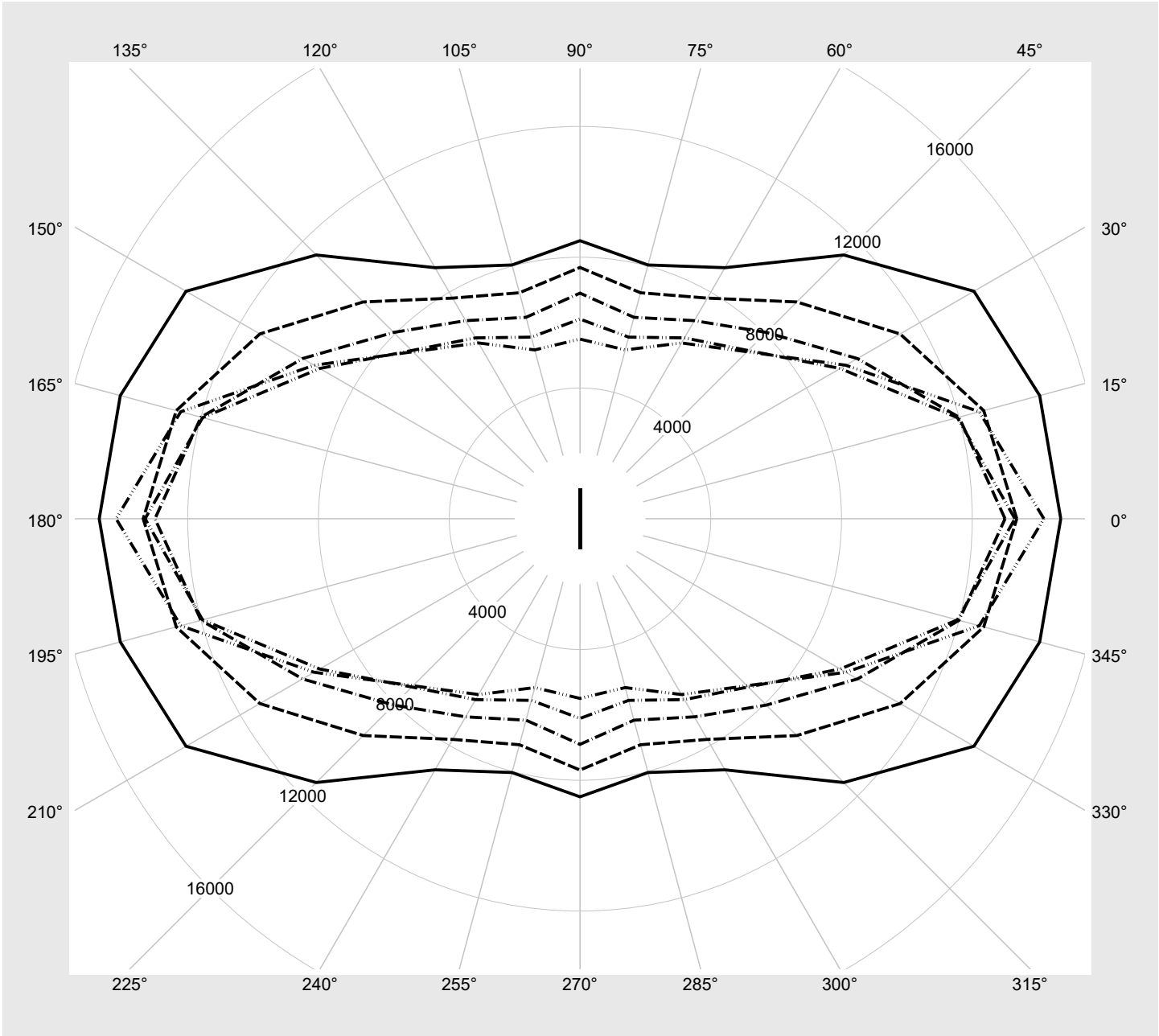
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	15270	87.3
95	240	252	14500	82.4
90	226	250	13719	77.5
85	213	248	12985	72.9
80	200	245	12243	68.3
75	186	243	11437	63.6
70	173	240	10682	59.1
65	160	237	9923	54.7
60	147	234	9156	50.2
55	134	231	8380	45.9
50	122	227	7660	41.9
45	109	223	6875	37.7
40	96	218	6081	33.4
35	84	213	5341	29.4
30	72	208	4594	25.7
25	60	201	3841	21.8
20	48	193	3080	17.9
15	36	182	2314	14.0
10	24	168	1543	10.1
5	12	142	765	6.4
2	4	102	243	4.0