

Photometric test report

Family
Licross® 11 Protected

Order number: 51TP12DN5EXM
EAN: 4069025327017

LP number
58523_241



Version prismatic cover, frosted, wide distribution
Lamps LED 5000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 14100 lm
 Power consumption = 81.2 W
 Luminous efficacy = 173.7 lm/W

serial
documentation
16.01.2025

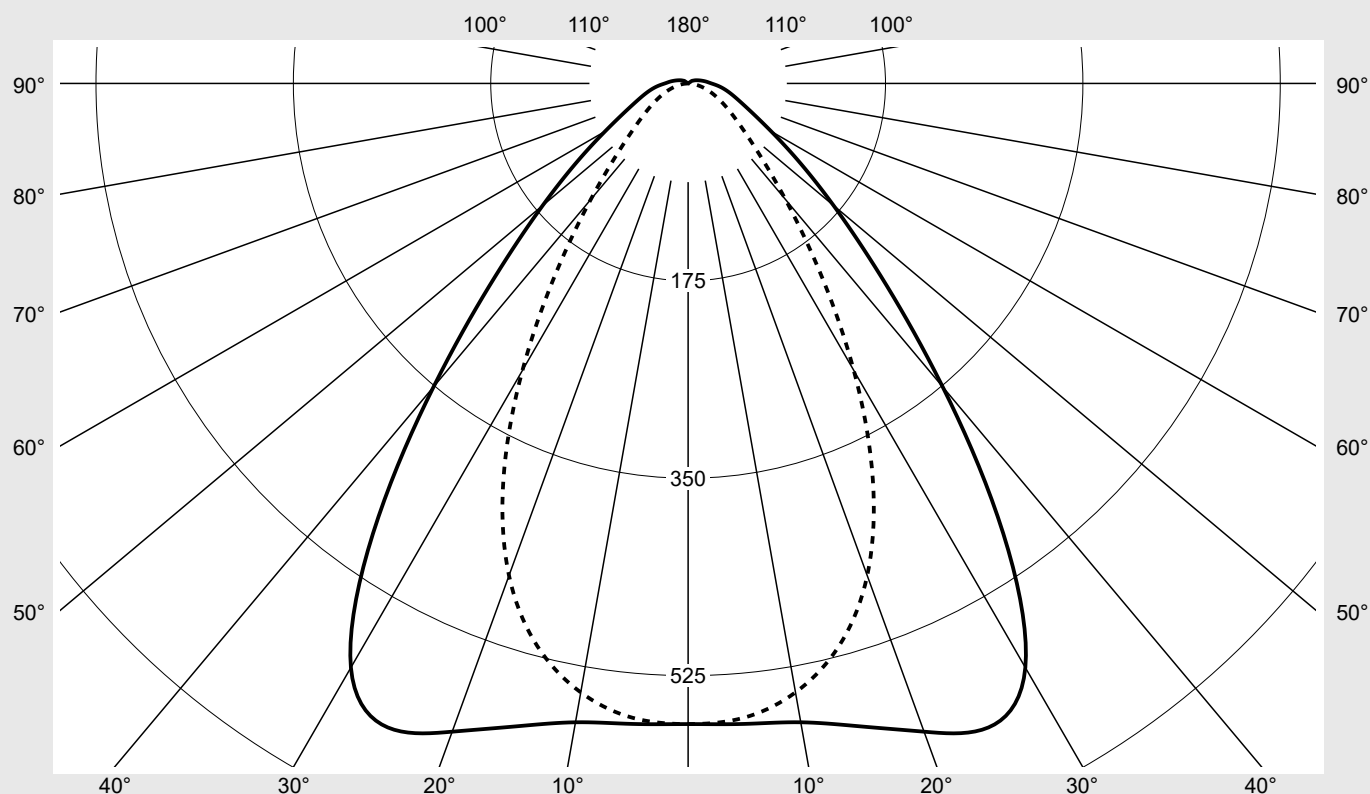
siteco

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	23.2	24.6	23.5	24.9	25.3	19.0	20.5	19.4	20.8	21.1
	3H	23.8	25.0	24.1	25.4	25.7	19.4	20.7	19.8	21.1	21.4
	4H	24.1	25.3	24.5	25.6	26.0	19.6	20.8	20.0	21.2	21.6
	6H	24.5	25.6	24.9	25.9	26.3	19.8	20.9	20.2	21.3	21.7
	8H	24.8	25.7	25.2	26.1	26.5	19.8	20.9	20.3	21.3	21.7
	12H	25.0	25.9	25.5	26.3	26.7	19.9	20.9	20.3	21.3	21.7
4H	2H	23.2	24.4	23.6	24.8	25.2	19.7	20.9	20.1	21.2	21.6
	3H	23.9	25.0	24.4	25.4	25.8	20.2	21.2	20.7	21.6	22.0
	4H	24.4	25.3	24.8	25.7	26.1	20.5	21.4	20.9	21.8	22.2
	6H	25.0	25.7	25.4	26.2	26.6	20.7	21.5	21.2	21.9	22.4
	8H	25.3	26.0	25.8	26.4	26.9	20.8	21.5	21.3	22.0	22.4
	12H	25.7	26.2	26.1	26.7	27.2	20.9	21.5	21.3	22.0	22.5
8H	4H	24.4	25.1	24.9	25.6	26.1	20.8	21.5	21.3	21.9	22.4
	6H	25.1	25.7	25.6	26.1	26.6	21.1	21.7	21.6	22.2	22.7
	8H	25.5	26.0	26.0	26.5	27.0	21.3	21.8	21.8	22.3	22.8
	12H	26.0	26.4	26.5	26.9	27.4	21.4	21.8	21.9	22.3	22.9
12H	4H	24.4	25.0	24.9	25.5	26.0	20.9	21.5	21.4	21.9	22.4
	6H	25.1	25.6	25.6	26.1	26.6	21.3	21.7	21.8	22.2	22.8
	8H	25.5	25.9	26.0	26.4	27.0	21.4	21.9	22.0	22.4	22.9

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°	35787.0	37293.5	38814.0	32737.8	22384.7	16659.3	15534.7
50°	26682.4	27744.2	29012.8	24075.8	16314.3	12606.1	12107.4
55°	20447.7	21096.0	21776.8	17749.9	12290.8	10103.9	10120.1
60°	16130.3	16397.7	16489.5	13414.1	9752.6	8496.5	8809.3
65°	13580.8	13443.6	12851.0	10536.0	8188.5	7420.9	7853.9
70°	12338.4	11806.6	10440.7	8660.1	7196.1	6608.1	7097.7
75°	12006.8	11084.7	9049.3	7443.4	6460.7	5890.3	6372.8
80°	12285.6	11036.4	8488.6	6720.3	5899.4	5310.5	5639.7
85°	13104.3	11676.3	8671.5	6670.8	5733.4	4937.2	5074.5

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Luminance values in cd/m²

γ 65°

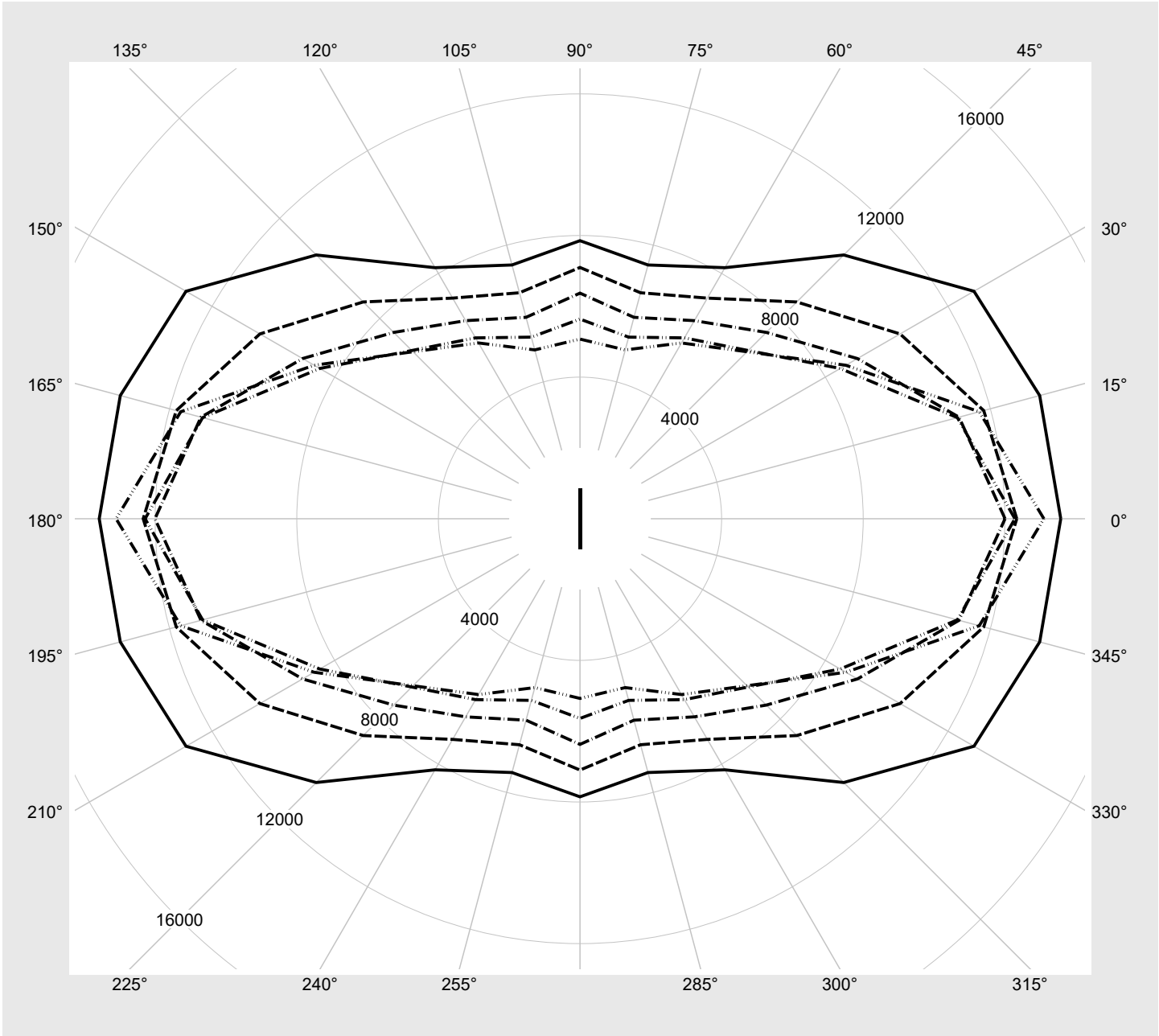
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Dimming levels table		environmental temperature: 25°C
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14100	81.2
95	240	252	13380	76.6
90	227	250	12703	72.4
85	213	248	11967	67.8
80	200	245	11279	63.7
75	187	243	10586	59.5
70	174	240	9889	55.4
65	161	237	9185	51.3
60	148	234	8477	47.3
55	135	231	7763	43.2
50	122	227	7040	39.2
45	110	223	6370	35.5
40	97	219	5639	31.6
35	85	214	4957	27.9
30	72	208	4213	24.1
25	60	201	3520	20.5
20	48	193	2823	16.9
15	36	182	2120	13.3
10	24	168	1413	9.6
5	12	142	700	6.1
2	4	102	222	3.9