

Photometric test report

Family
Licross® 11 Performance

Order number: 51TD16DN4AXG3S
EAN: 4069025479495

LP number
58520_341



Version cover frosted, direct-/ indirect distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting AC-mode
Rated values Net luminous flux = 10110 lm
 Power consumption = 60.9 W
 Luminous efficacy = 166 lm/W

serial
documentation
29.09.2023

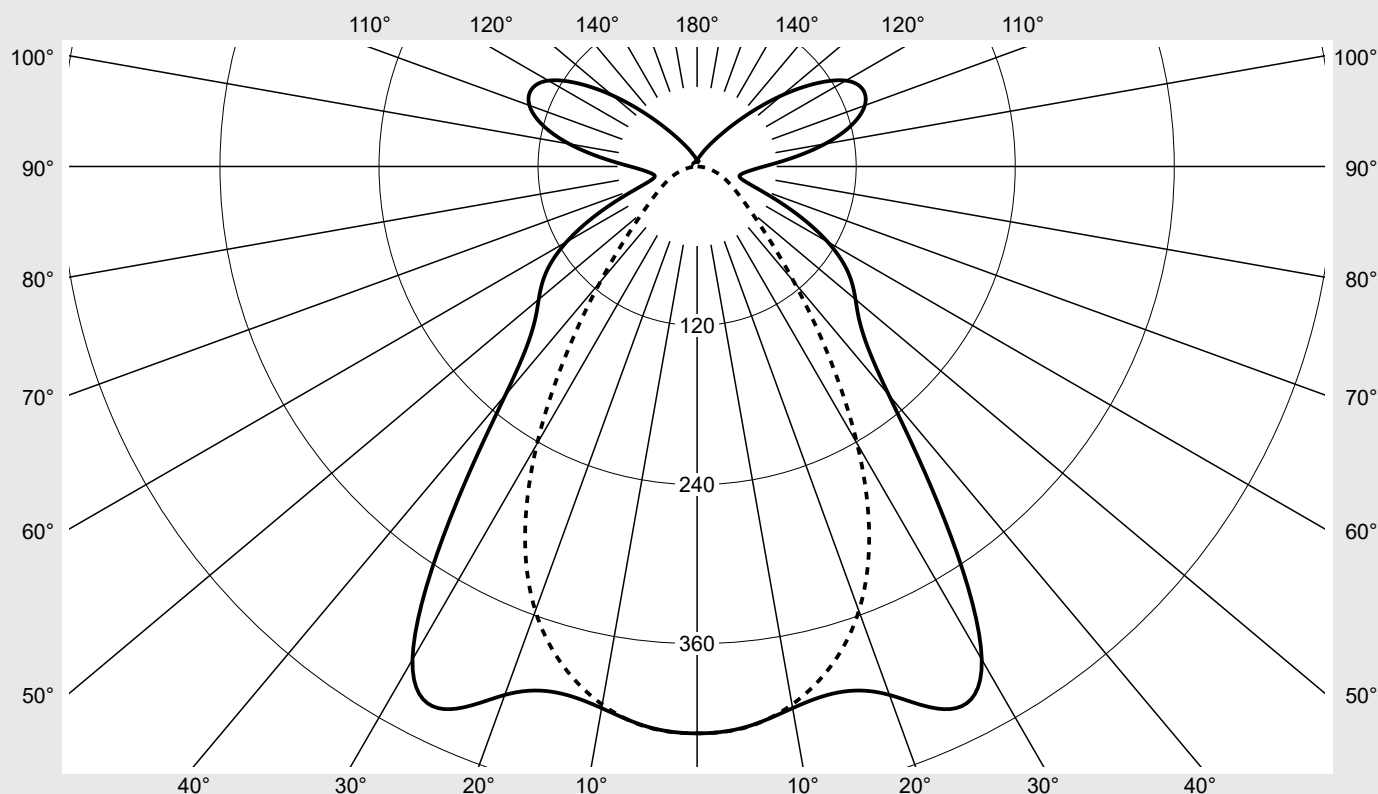
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 452 cd/klm



Classifications

DIN 5040 B 5 1
 CIE N1=65 N2=88 N3=96
 N4=79 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 79.3%
 ϕ_o 20.7%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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	19.1	20.4	19.7	20.9	21.6	15.3	16.6	15.9	17.1	17.8
	3H	19.7	20.8	20.3	21.4	22.1	15.7	16.8	16.3	17.4	18.1
	4H	19.9	20.9	20.5	21.5	22.2	15.9	17.0	16.5	17.6	18.3
	6H	20.1	21.0	20.8	21.7	22.5	16.1	17.0	16.7	17.7	18.4
	8H	20.4	21.2	21.1	21.9	22.6	16.0	17.0	16.7	17.6	18.3
	12H	20.7	21.4	21.4	22.1	23.0	16.1	16.9	16.7	17.6	18.3
4H	2H	19.1	20.2	19.7	20.8	21.5	15.8	16.8	16.4	17.4	18.1
	3H	19.8	20.7	20.5	21.3	22.1	16.4	17.2	17.0	17.9	18.6
	4H	20.0	20.8	20.7	21.5	22.3	16.6	17.4	17.3	18.1	18.9
	6H	20.5	21.1	21.2	21.8	22.7	16.9	17.5	17.6	18.2	19.1
	8H	20.8	21.4	21.6	22.1	23.0	16.9	17.5	17.6	18.3	19.1
	12H	21.4	21.8	22.1	22.6	23.5	16.9	17.5	17.7	18.2	19.1
8H	4H	20.0	20.6	20.7	21.3	22.2	16.8	17.4	17.5	18.1	19.0
	6H	20.6	21.1	21.3	21.8	22.7	17.2	17.7	17.9	18.4	19.3
	8H	21.1	21.5	21.8	22.3	23.2	17.3	17.8	18.1	18.5	19.4
	12H	21.8	22.2	22.6	23.0	23.9	17.5	17.8	18.2	18.6	19.5
12H	4H	20.0	20.5	20.7	21.2	22.1	16.8	17.3	17.6	18.1	18.9
	6H	20.5	21.0	21.3	21.7	22.6	17.3	17.7	18.1	18.5	19.4
	8H	21.1	21.5	21.9	22.3	23.2	17.5	17.9	18.3	18.7	19.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480 B = 115	H(C0) = 36 H(C90) = 0	H(C180) = 36 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°	11286.9	11274.7	13185.3	15455.2	9301.0	6552.0	6355.7	
50°	10499.3	9799.7	9537.5	11276.1	7027.1	4966.4	4913.5	
55°	9947.5	8891.3	7347.6	7847.1	5408.1	4028.2	4119.4	
60°	8757.8	7728.8	5834.5	5556.8	4331.6	3443.1	3658.7	
65°	6706.5	5981.3	4583.5	4174.7	3635.4	3068.8	3378.1	
70°	4452.1	4116.3	3543.7	3363.4	3176.2	2796.6	3166.6	
75°	3593.2	3361.5	2978.7	2915.9	2887.1	2543.6	2917.3	
80°	4157.5	3871.8	3194.8	2756.9	2740.9	2324.8	2568.0	
85°	5846.3	5452.2	4371.4	3321.5	2778.9	2197.8	2186.4	

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Luminance values in cd/m²

γ 65°

γ 70°

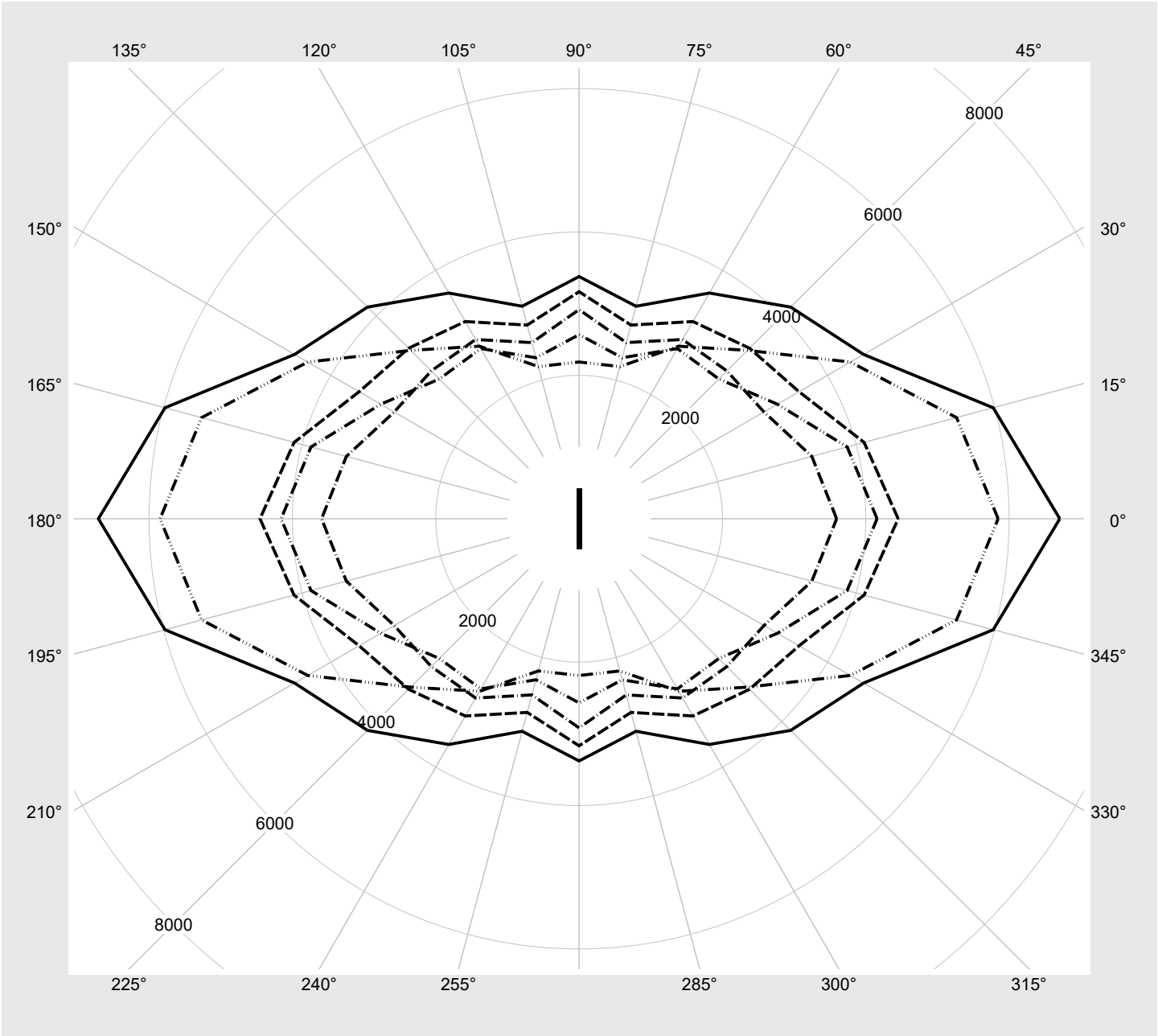
γ 75°

γ 80°

γ 85°

sit

eco



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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	10110	60.9
95	240	252	9598	57.6
90	226	250	9081	54.5
85	213	248	8594	51.5
80	200	245	8104	48.6
75	186	243	7572	45.5
70	173	240	7073	42.5
65	160	237	6569	39.7
60	147	234	6062	36.8
55	134	231	5552	33.9
50	122	227	5072	31.3
45	109	223	4552	28.5
40	96	218	4026	25.8
35	84	213	3538	23.3
30	72	208	3041	20.8
25	60	201	2544	18.3
20	47	192	2001	15.5
15	36	182	1537	13.2
10	24	168	1026	10.7
5	12	142	509	8.3
2	4	102	164	6.8