

Photometric test report

Family
Licross® 11 Protected

Order number: 51TD1BTNT8XX
EAN: 4069025021571

LP number
58521_181



Version prismatic cover, frosted, tunable white, wide distribution

Lamps LED 2700 K ... 6500 K | CRI ≥ 80

Controlgear ECG-DALI

Setting individual position

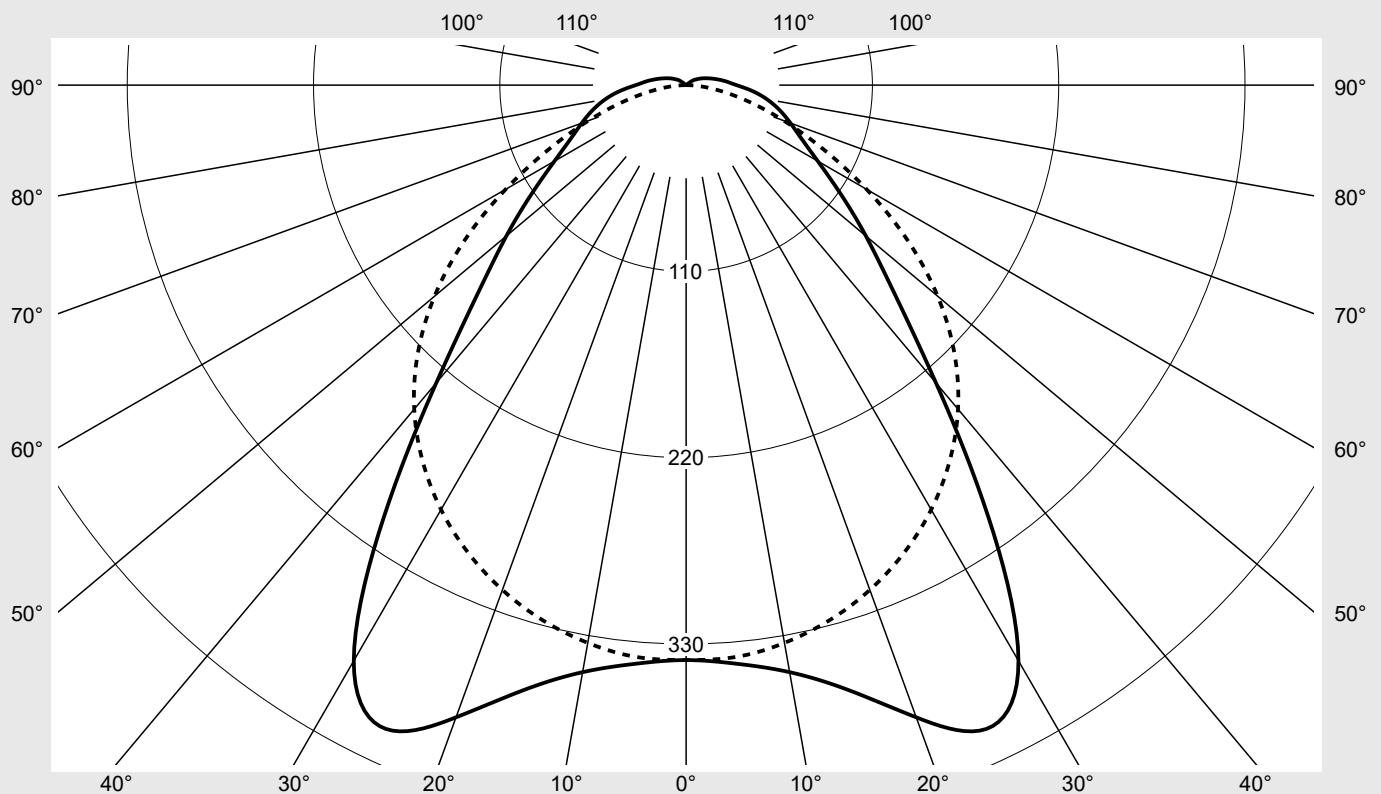
Rated values at 2700 K
Net luminous flux = 8450 lm
Power consumption = 56.0 W
Luminous efficacy = 150.9 lm/W

serial
documentation
15.03.2024

sitEco

Luminous intensity in cd/klm **C180-0** **C270-90**

Imax: 419 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=54 N2=82 N3=95
N4=97 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 96.8%
 ϕ_o 3.2%

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 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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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	20.6	22.2	20.9	22.5	22.8	22.4	24.1	22.8	24.4	24.7
	3H	21.8	23.2	22.1	23.6	23.9	23.4	24.9	23.8	25.2	25.6
	4H	22.5	23.9	22.9	24.2	24.6	23.8	25.2	24.2	25.5	25.9
	6H	23.2	24.5	23.6	24.9	25.3	24.1	25.3	24.5	25.7	26.1
	8H	23.7	24.8	24.1	25.2	25.6	24.2	25.4	24.6	25.7	26.1
	12H	24.0	25.2	24.5	25.6	26.0	24.2	25.3	24.6	25.7	26.1
4H	2H	21.4	22.8	21.8	23.1	23.5	22.9	24.3	23.3	24.6	25.0
	3H	22.8	24.0	23.2	24.3	24.8	24.1	25.3	24.6	25.7	26.1
	4H	23.6	24.7	24.0	25.1	25.5	24.6	25.7	25.1	26.1	26.5
	6H	24.5	25.5	25.0	25.9	26.3	25.0	25.9	25.5	26.4	26.8
	8H	25.0	25.8	25.5	26.3	26.8	25.1	26.0	25.6	26.4	26.9
	12H	25.5	26.2	26.0	26.7	27.2	25.2	26.0	25.7	26.4	26.9
8H	4H	24.0	24.9	24.5	25.3	25.8	24.9	25.8	25.4	26.2	26.7
	6H	25.1	25.8	25.6	26.3	26.8	25.5	26.2	25.9	26.6	27.1
	8H	25.7	26.3	26.2	26.8	27.3	25.7	26.3	26.2	26.8	27.3
	12H	26.3	26.9	26.9	27.4	27.9	25.8	26.4	26.3	26.9	27.4
12H	4H	24.1	24.9	24.6	25.3	25.8	25.0	25.7	25.5	26.2	26.7
	6H	25.2	25.9	25.7	26.3	26.9	25.6	26.2	26.1	26.7	27.2
	8H	25.9	26.4	26.4	26.9	27.5	25.8	26.4	26.4	26.9	27.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°	45°	15438.5	16223.9	18502.8	21984.9	24493.0	23805.1	23195.3	
50°	50°	13162.3	13798.6	15666.0	18677.6	21444.2	22074.6	22080.5	
55°	55°	11427.9	11993.5	13745.4	16327.9	18631.9	19585.8	20362.7	
60°	60°	10198.0	10634.1	12123.5	14609.4	16312.6	16910.8	18016.3	
65°	65°	9612.5	9907.8	10935.7	13116.1	14489.2	14470.5	15445.1	
70°	70°	9622.7	9762.5	10236.3	11821.4	12973.5	12368.0	13129.3	
75°	75°	9972.6	10004.7	10013.1	10856.3	11571.0	10523.3	11092.6	
80°	80°	10521.5	10465.8	10225.0	10264.9	10374.5	9070.5	9249.2	
85°	85°	11304.0	11253.7	10955.4	10524.6	9821.4	8099.6	7745.1	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

