


Photometric test report

Family Licross® 11 Protected	Order number: 51TP12TNT85X EAN: 4058352020364	LP number 58523_230
	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 = 8840 lm Power consumption = 56.0 W Luminous efficacy = 157.9 lm/W	serial documentation 15.03.2024
		

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
		sITeco

C-planes	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°			
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
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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	21.5	23.0	21.9	23.3	23.6	17.4	18.8	17.7	19.1	19.5
	3H	22.1	23.4	22.5	23.8	24.1	17.8	19.1	18.2	19.4	19.8
	4H	22.5	23.7	22.9	24.0	24.4	18.0	19.2	18.4	19.6	19.9
	6H	22.9	24.0	23.3	24.3	24.7	18.1	19.3	18.5	19.6	20.0
	8H	23.2	24.1	23.6	24.5	24.9	18.2	19.3	18.6	19.7	20.1
	12H	23.4	24.3	23.9	24.7	25.1	18.3	19.3	18.7	19.6	20.1
4H	2H	21.6	22.8	22.0	23.2	23.5	18.1	19.2	18.5	19.6	20.0
	3H	22.3	23.3	22.7	23.7	24.1	18.6	19.6	19.0	20.0	20.4
	4H	22.8	23.7	23.2	24.1	24.5	18.9	19.8	19.3	20.2	20.6
	6H	23.3	24.1	23.8	24.5	25.0	19.1	19.9	19.5	20.3	20.8
	8H	23.7	24.4	24.1	24.8	25.3	19.2	19.9	19.6	20.3	20.8
	12H	24.0	24.6	24.5	25.1	25.6	19.2	19.9	19.7	20.3	20.8
8H	4H	22.8	23.5	23.2	24.0	24.4	19.2	19.9	19.7	20.3	20.8
	6H	23.4	24.0	23.9	24.5	25.0	19.5	20.1	20.0	20.6	21.1
	8H	23.8	24.4	24.3	24.8	25.4	19.6	20.2	20.1	20.6	21.2
	12H	24.3	24.8	24.9	25.3	25.8	19.8	20.2	20.3	20.7	21.2
12H	4H	22.8	23.4	23.3	23.9	24.4	19.3	19.9	19.8	20.3	20.8
	6H	23.4	24.0	24.0	24.4	25.0	19.7	20.1	20.2	20.6	21.1
	8H	23.9	24.3	24.4	24.8	25.4	19.8	20.2	20.3	20.7	21.3

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°	22436.7	23381.2	24334.4	20524.9	14034.1	10444.5	9739.5	
	50°	16728.5	17394.3	18189.6	15094.3	10228.2	7903.4	7590.7	
	55°	12819.7	13226.2	13653.0	11128.3	7705.7	6334.6	6344.8	
	60°	10112.9	10280.5	10338.1	8410.0	6114.4	5326.9	5523.0	
	65°	8514.5	8428.5	8056.9	6605.6	5133.8	4652.5	4924.0	
	70°	7735.6	7402.2	6545.8	5429.5	4511.6	4142.9	4449.9	
	75°	7527.7	6949.6	5673.5	4666.7	4050.5	3692.9	3995.4	
	80°	7702.5	6919.3	5321.9	4213.3	3698.6	3329.4	3535.8	
	85°	8215.7	7320.4	5436.6	4182.2	3594.6	3095.4	3181.5	

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

