

Photometric test report

Family
Licross® 11 Protected

Order number: 51TS12DN48XF3S4
EAN: 4058352676820

LP number
58522_224



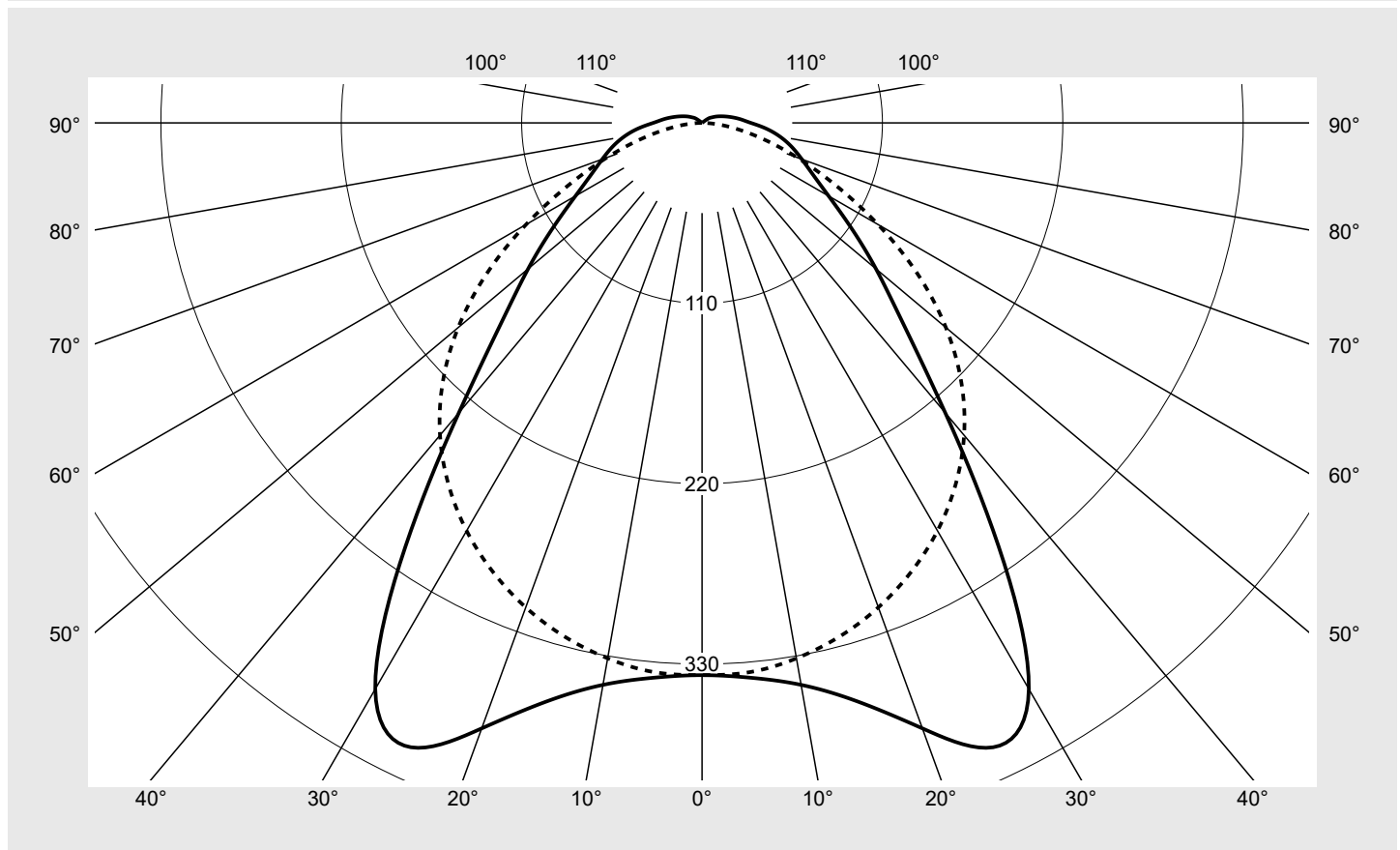
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting AC-mode
Rated values Net luminous flux = 8470 lm
 Power consumption = 60.0 W
 Luminous efficacy = 141.2 lm/W

serial
documentation
21.07.2022

sitEco

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

Imax: 420 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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	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	21.0	22.5	22.9	22.5	24.1	22.8	24.4	24.7
	3H	21.8	23.2	22.1	23.6	23.9	23.5	25.0	23.9	25.3	25.6
	4H	22.5	23.8	22.8	24.2	24.6	23.8	25.2	24.2	25.6	25.9
	6H	23.2	24.5	23.6	24.9	25.3	24.1	25.4	24.5	25.7	26.1
	8H	23.6	24.8	24.0	25.2	25.6	24.2	25.4	24.6	25.8	26.2
	12H	24.0	25.1	24.4	25.5	25.9	24.3	25.4	24.7	25.8	26.2
4H	2H	21.4	22.8	21.8	23.2	23.5	22.9	24.3	23.3	24.7	25.0
	3H	22.8	24.0	23.2	24.4	24.8	24.2	25.4	24.6	25.8	26.2
	4H	23.6	24.7	24.0	25.1	25.5	24.7	25.8	25.1	26.2	26.6
	6H	24.5	25.4	25.0	25.9	26.3	25.0	26.0	25.5	26.4	26.9
	8H	25.0	25.8	25.4	26.3	26.7	25.2	26.0	25.6	26.5	26.9
	12H	25.5	26.2	25.9	26.7	27.2	25.3	26.0	25.8	26.5	27.0
8H	4H	24.0	24.9	24.5	25.3	25.8	25.0	25.8	25.4	26.3	26.7
	6H	25.1	25.8	25.6	26.3	26.8	25.5	26.2	26.0	26.7	27.2
	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	26.8	27.4	27.9	25.9	26.4	26.4	26.9	27.4
12H	4H	24.1	24.8	24.6	25.3	25.8	25.0	25.8	25.5	26.2	26.7
	6H	25.2	25.8	25.7	26.3	26.8	25.6	26.2	26.1	26.7	27.2
	8H	25.9	26.4	26.4	26.9	27.4	25.9	26.4	26.4	26.9	27.4

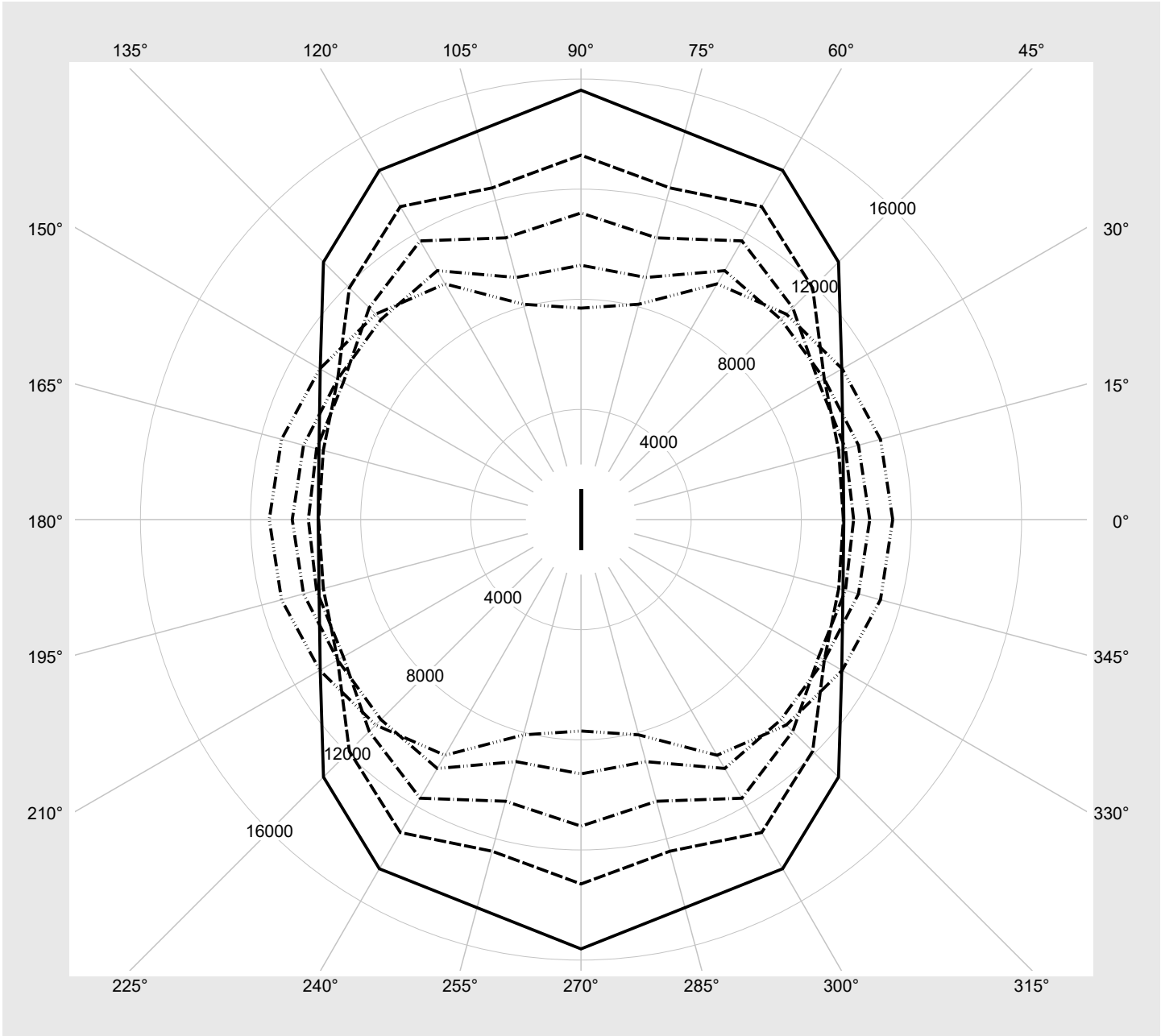
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°	15464.0	16276.2	18641.5	22258.6	24735.8	23871.1	23203.3	
50°	50°	13187.2	13835.8	15740.3	18848.1	21668.8	22217.1	22158.3	
55°	55°	11423.8	12011.5	13812.5	16457.0	18819.2	19749.1	20514.4	
60°	60°	10149.4	10603.7	12161.9	14730.2	16478.4	17051.8	18187.6	
65°	65°	9545.4	9850.7	10935.7	13226.4	14645.5	14593.0	15594.5	
70°	70°	9528.5	9689.4	10205.0	11898.2	13124.8	12471.2	13235.5	
75°	75°	9902.0	9943.2	9967.0	10878.9	11686.9	10592.4	11135.6	
80°	80°	10487.4	10432.9	10204.6	10275.5	10439.2	9102.8	9237.8	
85°	85°	11321.5	11260.2	10953.1	10549.9	9885.2	8096.2	7679.3	

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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	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8470	60.0
95	240	252	8032	56.9
90	227	250	7630	53.9
85	213	248	7187	50.9
80	200	245	6773	48.0
75	187	243	6356	45.2
70	174	240	5915	42.3
65	161	237	5492	39.5
60	148	234	5068	36.7
55	136	231	4673	34.2
50	123	227	4241	31.4
45	110	223	3807	28.7
40	98	219	3403	26.2
35	85	214	2963	23.5
30	73	208	2550	20.9
25	60	201	2102	18.2
20	48	193	1681	15.7
15	36	182	1259	13.3
10	24	168	833	10.8
5	12	142	407	8.4
2	5	110	163	7.0