

Photometric test report

Family
Licross® Protected

Order number: 51TS12TNT75W
EAN: 4058352298558

LP number
58521_16



Version prismatic cover, frosted, wide distribution, tunable white
Lamps LED 2700 K ... 6500 K | CRI ≥ 80
Controlgear ECG-DALI
Setting individual position
Rated values at 2700 K
 Net luminous flux = 7740 lm
 Power consumption = 57.4 W
 Luminous efficacy = 134.8 lm/W

serial
documentation
12.12.2019

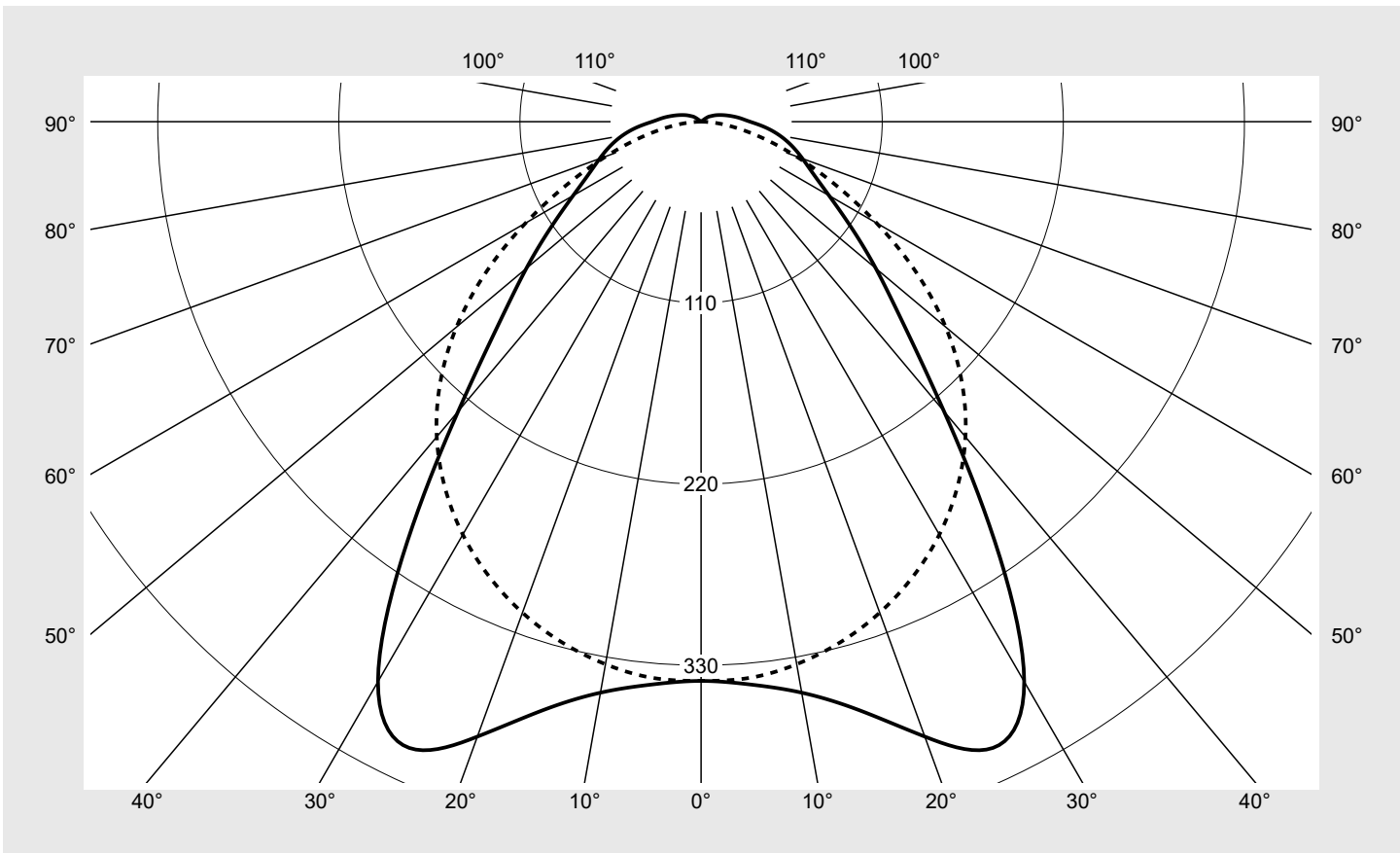
sitEco

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									
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	20.3	21.9	20.6	22.2	22.5	22.1	23.8	22.5	24.1	24.4
	3H	21.5	22.9	21.8	23.3	23.6	23.1	24.6	23.5	24.9	25.3
	4H	22.2	23.6	22.6	23.9	24.3	23.5	24.9	23.9	25.2	25.6
	6H	22.9	24.2	23.3	24.6	25.0	23.7	25.0	24.2	25.4	25.8
	8H	23.3	24.5	23.8	24.9	25.3	23.9	25.0	24.3	25.4	25.8
	12H	23.7	24.9	24.2	25.2	25.7	23.9	25.0	24.3	25.4	25.8
4H	2H	21.1	22.5	21.5	22.8	23.2	22.6	24.0	23.0	24.3	24.7
	3H	22.5	23.7	22.9	24.0	24.5	23.8	25.0	24.3	25.4	25.8
	4H	23.3	24.4	23.7	24.8	25.2	24.3	25.4	24.8	25.8	26.2
	6H	24.2	25.1	24.7	25.6	26.0	24.7	25.6	25.2	26.1	26.5
	8H	24.7	25.5	25.2	26.0	26.5	24.8	25.7	25.3	26.1	26.6
	12H	25.2	25.9	25.7	26.4	26.9	24.9	25.7	25.4	26.1	26.6
8H	4H	23.7	24.6	24.2	25.0	25.5	24.6	25.5	25.1	25.9	26.4
	6H	24.8	25.5	25.3	26.0	26.5	25.1	25.9	25.6	26.3	26.8
	8H	25.4	26.0	25.9	26.5	27.0	25.4	26.0	25.8	26.5	27.0
	12H	26.0	26.6	26.5	27.1	27.6	25.5	26.1	26.0	26.6	27.1
12H	4H	23.8	24.5	24.3	25.0	25.5	24.7	25.4	25.2	25.9	26.4
	6H	24.9	25.6	25.4	26.0	26.6	25.3	25.9	25.8	26.4	26.9
	8H	25.6	26.1	26.1	26.6	27.2	25.5	26.1	26.0	26.6	27.1

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	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	
		345°	330°	315°	300°			
		Luminance in cd/m ²						
45°		14141.3	14860.8	16948.1	20137.7	22435.0	21804.9	21246.3
50°		12056.3	12639.2	14349.7	17108.3	19642.4	20219.8	20225.2
55°		10467.7	10985.8	12590.5	14956.0	17066.4	17940.1	18651.8
60°		9341.1	9740.6	11104.8	13381.9	14942.0	15489.9	16502.5
65°		8804.8	9075.3	10016.8	12014.0	13271.8	13254.7	14147.3
70°		8814.2	8942.3	9376.2	10828.2	11883.4	11328.8	12026.1
75°		9134.7	9164.0	9171.8	9944.2	10598.8	9639.1	10160.6
80°		9637.5	9586.4	9365.9	9402.4	9502.8	8308.3	8472.1
85°		10354.2	10308.1	10034.9	9640.3	8996.2	7419.0	7094.4

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

