

Photometric test report

Family
Licross® 21 Recessed



Order number: 52TL11DN68XG3S
EAN: 4069025289049

Version

Lamps

Controlgear

Setting

Rated values

cover frosted, narrow distribution

LED 6500 K | CRI ≥ 80

ECG-DALI

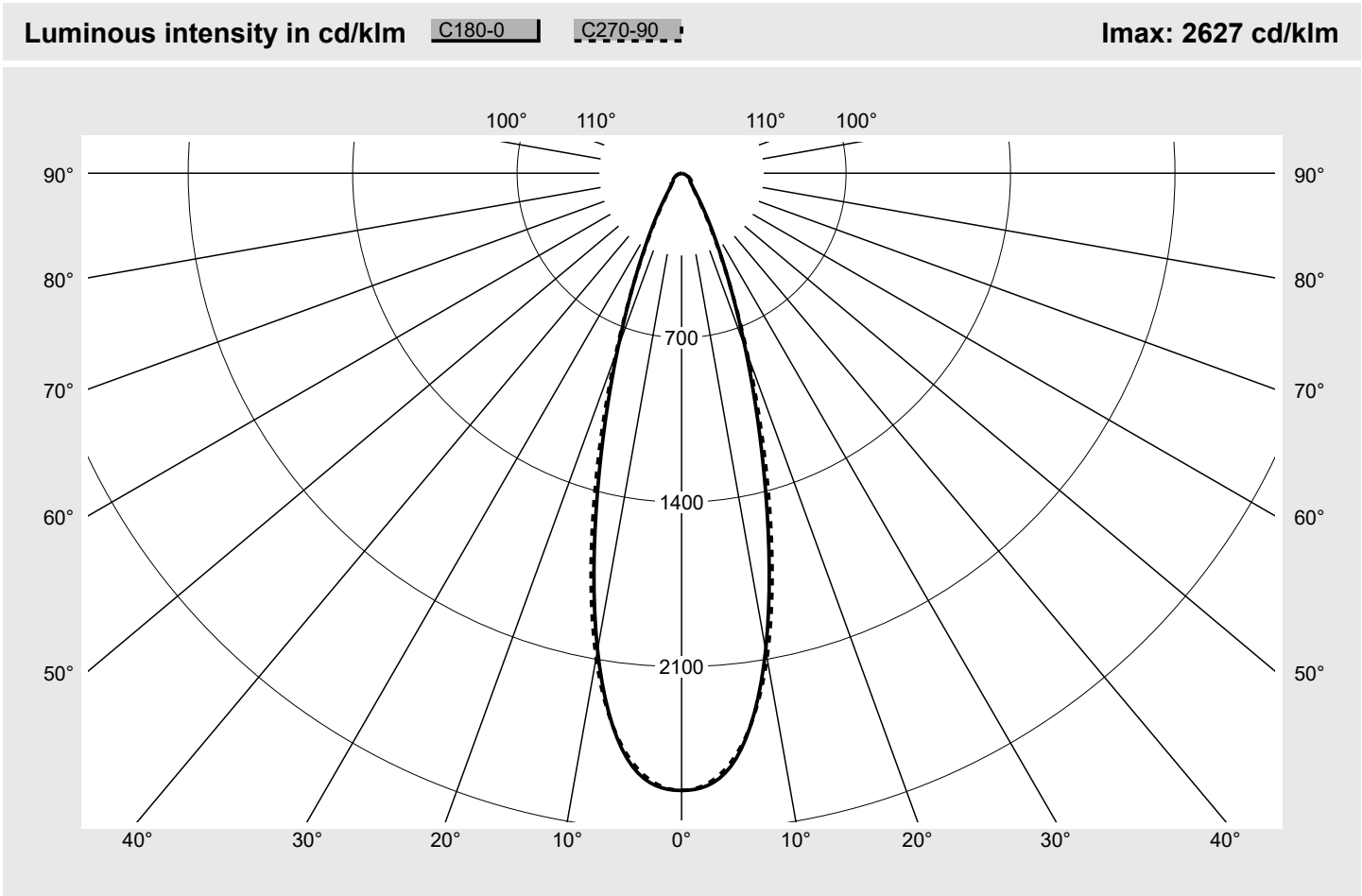
emergency light operation: 3 h

Net luminous flux = 910 lm
Power consumption = 6.7 W
Luminous efficacy = 135.8 lm/W

LP number
58785_365

serial
documentation
22.11.2024

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Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=89 N2=96 N3=99	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

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	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°	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	15.7	15.7
5°	2520.2	2503.8	2487.8	2499.1	2508.6	2505.8	2505.2	119.6	135.3
10°	2060.7	2047.7	2044.6	2066.8	2086.2	2092.0	2094.5	196.9	332.2
15°	1373.4	1369.0	1375.7	1399.2	1421.9	1432.7	1437.2	198.7	530.9
20°	791.8	790.8	796.4	808.8	818.0	819.0	819.4	151.2	682.1
25°	418.1	420.5	425.4	427.2	423.4	413.4	409.3	97.4	779.6
30°	215.7	218.7	224.8	222.9	213.7	202.3	197.8	58.9	838.4
35°	112.4	114.3	119.3	116.0	107.4	103.1	102.4	35.0	873.4
40°	70.3	69.7	69.6	67.8	65.2	68.3	71.3	24.2	897.6
45°	52.4	50.5	46.9	47.4	48.4	54.1	61.4	19.6	917.2
50°	46.4	44.6	38.1	38.0	38.3	44.7	54.3	17.8	935.0
55°	42.3	42.2	36.7	33.4	32.3	38.6	47.1	17.1	952.1
60°	32.7	32.9	34.3	30.2	28.0	32.6	38.2	15.3	967.4
65°	23.6	23.8	26.4	25.7	24.0	26.1	29.3	12.6	980.0
70°	15.1	15.6	18.2	19.4	18.6	19.5	20.9	9.4	989.4
75°	8.3	8.7	10.8	13.0	12.9	13.2	13.7	6.1	995.5
80°	4.0	4.1	5.0	6.6	7.3	7.2	7.2	3.2	998.7
85°	1.6	1.6	1.9	2.5	2.6	2.7	2.5	1.2	1000.0
90°	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	
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	7.0	8.1	7.4	8.5	8.8	7.0	8.1	7.3	8.4	8.7	
	3H	7.9	8.9	8.3	9.3	9.6	8.3	9.3	8.7	9.7	10.0	
	4H	8.2	9.1	8.6	9.4	9.8	8.9	9.8	9.3	10.1	10.5	
	6H	8.3	9.1	8.7	9.4	9.8	9.2	10.0	9.7	10.4	10.8	
	8H	8.4	9.0	8.8	9.4	9.8	9.4	10.1	9.8	10.4	10.8	
	12H	8.4	9.0	8.8	9.4	9.8	9.4	10.0	9.9	10.4	10.8	
4H	2H	7.5	8.4	7.9	8.8	9.2	7.5	8.4	7.9	8.7	9.1	
	3H	8.7	9.4	9.1	9.8	10.2	9.0	9.7	9.4	10.1	10.6	
	4H	8.9	9.6	9.4	10.0	10.5	9.6	10.3	10.1	10.7	11.1	
	6H	9.1	9.6	9.6	10.1	10.5	10.1	10.6	10.5	11.0	11.5	
	8H	9.1	9.6	9.6	10.0	10.5	10.2	10.6	10.6	11.1	11.6	
	12H	9.1	9.5	9.6	10.0	10.5	10.2	10.6	10.7	11.1	11.6	
8H	4H	9.2	9.7	9.7	10.1	10.6	9.8	10.3	10.3	10.7	11.2	
	6H	9.4	9.8	9.9	10.2	10.8	10.3	10.7	10.8	11.2	11.7	
	8H	9.4	9.7	9.9	10.2	10.8	10.5	10.8	11.0	11.3	11.8	
	12H	9.4	9.7	10.0	10.2	10.8	10.6	10.8	11.1	11.3	11.9	
12H	4H	9.2	9.6	9.7	10.1	10.6	9.8	10.2	10.3	10.7	11.2	
	6H	9.4	9.7	9.9	10.2	10.8	10.3	10.6	10.8	11.1	11.7	
	8H	9.5	9.7	10.0	10.2	10.8	10.5	10.8	11.0	11.3	11.8	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
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°
		Luminance in cd/m²					
γ							
45°	775.7	746.6	693.6	700.6	715.4	800.9	908.2
50°	755.5	726.0	619.3	618.9	622.9	727.9	883.1
55°	772.0	769.8	669.2	608.5	589.7	704.1	858.1
60°	683.7	687.9	717.4	632.1	585.2	681.0	799.0
65°	583.0	589.5	653.4	637.0	594.3	645.8	724.0
70°	462.1	476.2	558.1	592.1	570.1	596.5	639.4
75°	336.6	352.3	436.2	525.5	522.1	532.5	553.1
80°	238.1	246.5	302.8	396.8	439.0	431.6	435.3
85°	194.2	196.9	229.8	298.0	314.9	322.2	295.4

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

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