

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL12DN4FXM3S4
EAN: 4058352908198

LP number
59446_72



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting emergency light operation: 3 h
Rated values Net luminous flux = 930 lm
 Power consumption = 7.5 W
 Luminous efficacy = 124 lm/W

serial
documentation
17.08.2023

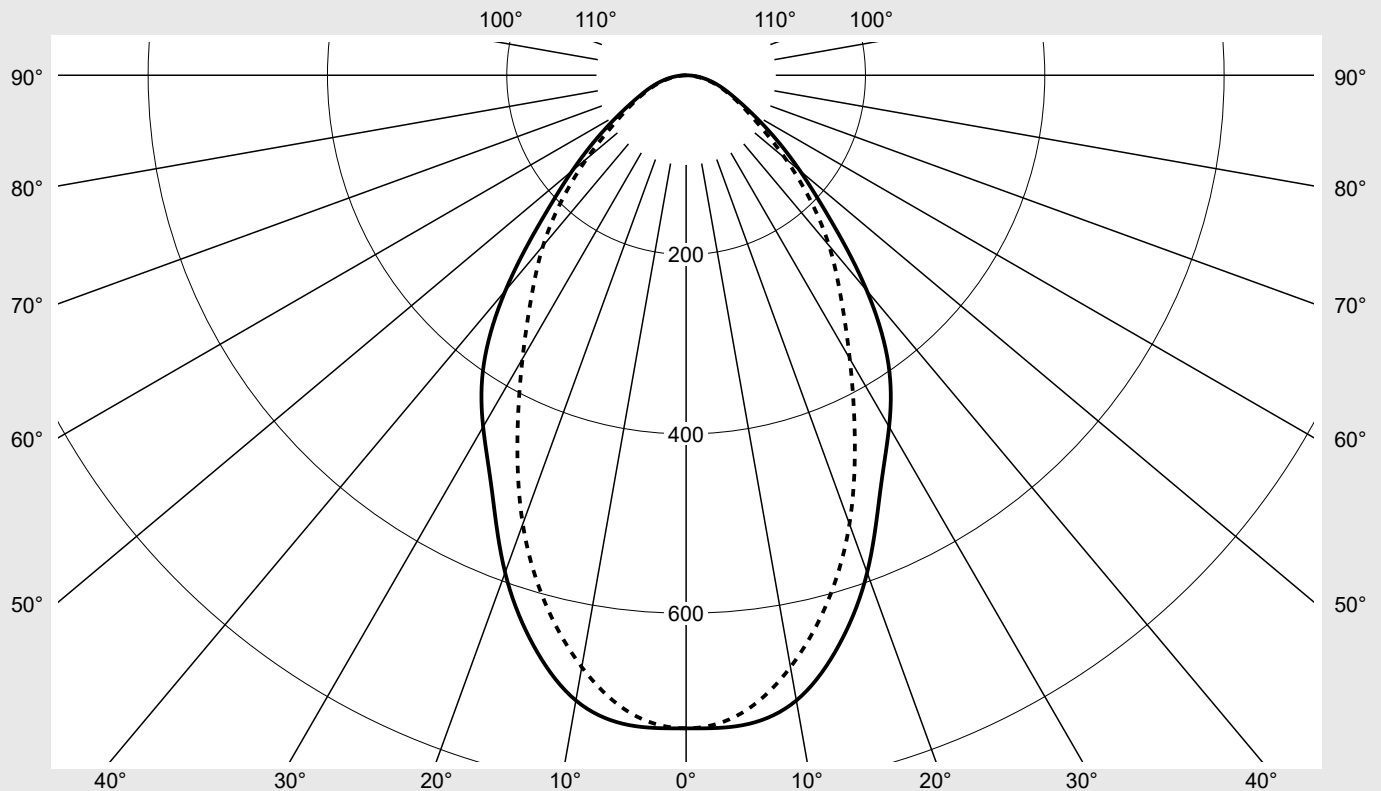
sitEco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 728 cd/klm



Classifications

DIN 5040 A 5 0
 CIE N1=69 N2=91 N3=98
 N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 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
		sITeCO

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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	14.1	15.5	14.4	15.8	16.2	13.7	15.1	14.0	15.4	15.8
	3H	14.8	16.0	15.1	16.4	16.7	14.5	15.8	14.9	16.1	16.5
	4H	15.1	16.3	15.5	16.6	17.0	14.8	16.0	15.2	16.4	16.8
	6H	15.4	16.5	15.8	16.9	17.3	15.1	16.2	15.5	16.6	17.0
	8H	15.6	16.6	16.0	17.0	17.4	15.3	16.3	15.7	16.6	17.0
	12H	15.7	16.6	16.2	17.0	17.4	15.3	16.2	15.7	16.6	17.0
4H	2H	14.4	15.6	14.7	15.9	16.3	14.1	15.3	14.5	15.6	16.0
	3H	15.1	16.1	15.5	16.5	16.9	15.0	16.0	15.5	16.4	16.8
	4H	15.5	16.4	15.9	16.8	17.2	15.5	16.4	15.9	16.8	17.2
	6H	15.9	16.7	16.4	17.1	17.6	15.9	16.6	16.3	17.1	17.5
	8H	16.1	16.8	16.6	17.2	17.7	16.0	16.7	16.5	17.1	17.6
	12H	16.3	16.8	16.7	17.3	17.8	16.1	16.7	16.6	17.1	17.6
8H	4H	15.6	16.3	16.1	16.8	17.2	15.6	16.3	16.1	16.8	17.2
	6H	16.0	16.6	16.5	17.1	17.6	16.1	16.6	16.6	17.1	17.6
	8H	16.2	16.7	16.7	17.2	17.8	16.2	16.7	16.7	17.2	17.7
	12H	16.5	16.9	17.0	17.4	17.9	16.3	16.8	16.9	17.3	17.8
12H	4H	15.6	16.2	16.1	16.7	17.2	15.6	16.2	16.1	16.7	17.2
	6H	16.1	16.5	16.6	17.0	17.6	16.1	16.6	16.6	17.0	17.6
	8H	16.3	16.7	16.8	17.2	17.7	16.3	16.7	16.8	17.2	17.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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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°		3435.4	3290.9	3152.0	2893.9	2663.9	2829.3	2945.9		
50°		2757.9	2515.9	2383.0	2457.2	2310.6	2367.8	2402.3		
55°		2231.4	1961.4	1746.6	2029.8	2039.6	1941.8	1923.6		
60°		1803.2	1560.1	1346.4	1678.0	1790.9	1612.1	1627.6		
65°		1532.2	1302.6	1099.6	1399.0	1556.1	1404.9	1439.7		
70°		1399.2	1154.2	920.7	1167.1	1267.2	1248.6	1313.7		
75°		1317.4	1048.1	793.5	975.3	1139.6	1115.6	1210.5		
80°		1245.2	956.2	684.4	787.4	940.0	959.3	1059.0		
85°		1154.5	882.8	595.7	617.5	712.7	733.7	772.6		

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

