

Photometric test report

Family

Licross® 21 Recessed



Order number: 52TL12DV4LXM3S4

EAN: 4069025202956

LP number

59446_99

Version

cover frosted, wide distribution, high visual comfort

Lamps

LED 4000 K | CRI ≥ 80

Controlgear

ECG-DALI

Setting

emergency light operation: 3 h

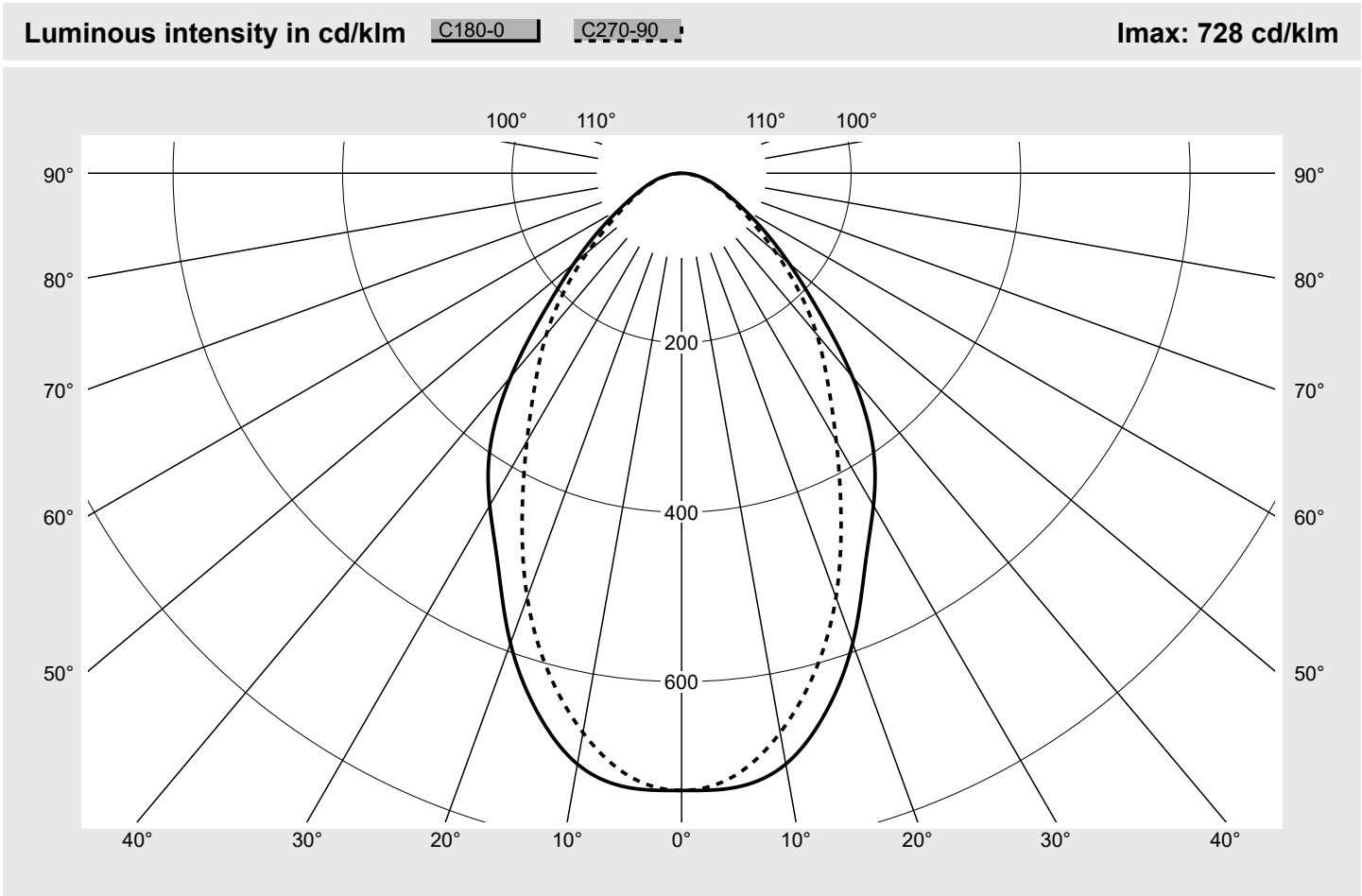
Rated values

Net luminous flux = 910 lm
Power consumption = 6.4 W
Luminous efficacy = 142.2 lm/W

serial documentation

17.09.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	η_{LB}	100.0%
CIE	N1=69 N2=91 N3=98	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°	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
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	12.6	14.0	12.9	14.3	14.7	12.2	13.6	12.6	14.0	14.3
	3H	13.3	14.6	13.6	14.9	15.2	13.0	14.3	13.4	14.6	15.0
	4H	13.6	14.8	14.0	15.2	15.5	13.4	14.6	13.8	14.9	15.3
	6H	13.9	15.0	14.4	15.4	15.8	13.6	14.7	14.1	15.1	15.5
	8H	14.1	15.1	14.6	15.5	15.9	13.8	14.8	14.2	15.2	15.6
	12H	14.2	15.1	14.7	15.5	16.0	13.8	14.8	14.3	15.1	15.6
4H	2H	12.9	14.1	13.3	14.4	14.8	12.6	13.8	13.0	14.1	14.5
	3H	13.6	14.6	14.0	15.0	15.4	13.6	14.6	14.0	15.0	15.4
	4H	14.0	14.9	14.5	15.3	15.8	14.0	14.9	14.5	15.3	15.8
	6H	14.4	15.2	14.9	15.6	16.1	14.4	15.1	14.8	15.6	16.0
	8H	14.6	15.3	15.1	15.7	16.2	14.5	15.2	15.0	15.6	16.1
	12H	14.8	15.4	15.3	15.8	16.3	14.6	15.2	15.1	15.7	16.2
8H	4H	14.1	14.8	14.6	15.3	15.7	14.1	14.8	14.6	15.3	15.7
	6H	14.6	15.1	15.0	15.6	16.1	14.6	15.1	15.1	15.6	16.1
	8H	14.8	15.3	15.3	15.7	16.3	14.7	15.2	15.2	15.7	16.2
	12H	15.0	15.4	15.5	15.9	16.4	14.9	15.3	15.4	15.8	16.3
12H	4H	14.2	14.7	14.6	15.2	15.7	14.2	14.7	14.6	15.2	15.7
	6H	14.6	15.1	15.1	15.6	16.1	14.6	15.1	15.1	15.6	16.1
	8H	14.8	15.2	15.3	15.7	16.3	14.8	15.2	15.3	15.7	16.2

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2250 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°
γ	Luminance in cd/m²						
45°	2241.0	2146.8	2056.2	1887.8	1737.8	1845.6	1921.7
50°	1799.0	1641.2	1554.5	1602.9	1507.3	1544.6	1567.1
55°	1455.6	1279.5	1139.3	1324.1	1330.5	1266.7	1254.8
60°	1176.3	1017.7	878.3	1094.6	1168.3	1051.6	1061.8
65°	999.5	849.7	717.3	912.6	1015.1	916.4	939.2
70°	912.7	752.9	600.6	761.3	826.7	814.5	857.0
75°	859.4	683.7	517.6	636.2	743.4	727.7	789.7
80°	812.3	623.8	446.5	513.6	613.2	625.8	690.8
85°	753.1	575.9	388.6	402.8	464.9	478.6	504.0

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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