

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TE12DV4L2M3C
EAN: 4058352908020

LP number
59446_65



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
17.08.2023

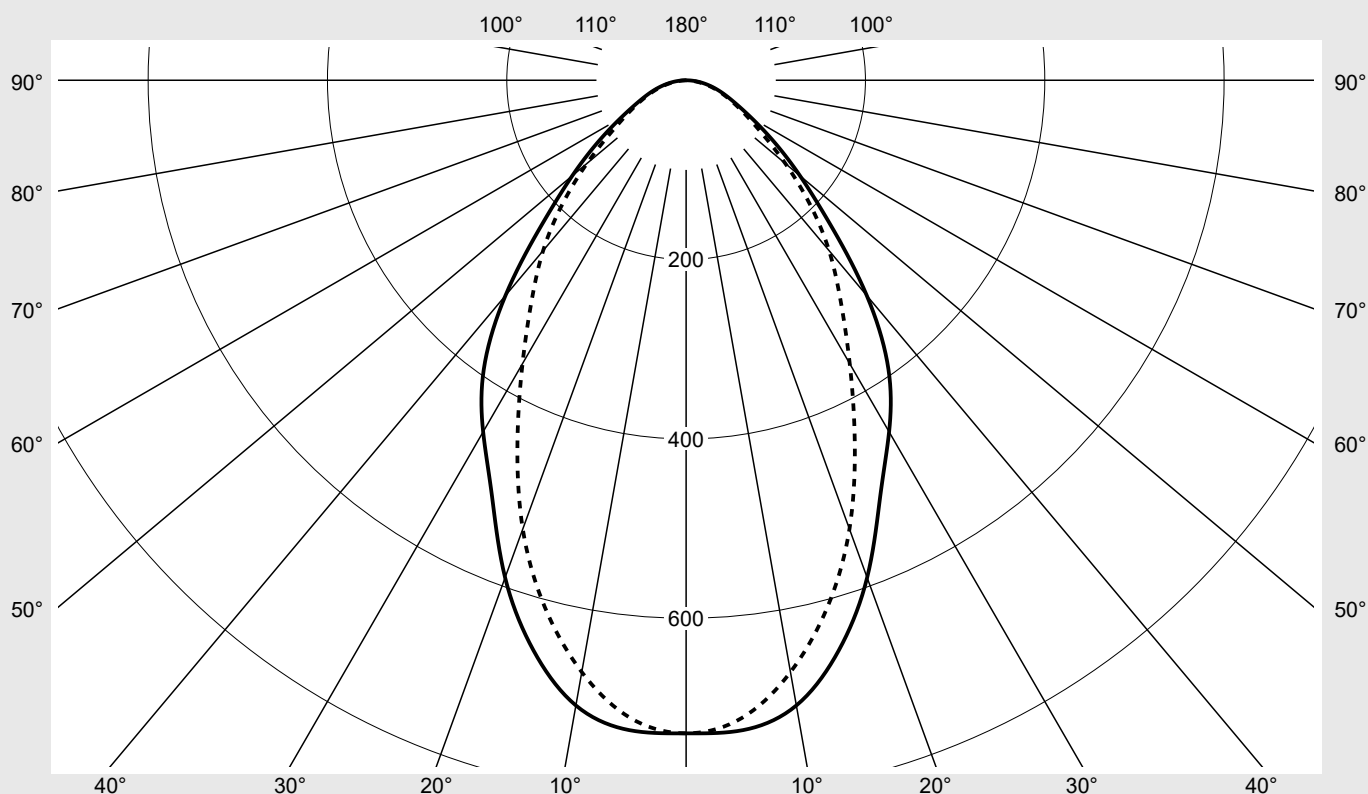
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Luminous intensity in cd/klm

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

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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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