

Photometric test report

Family
Licross® 21 Performance

Order number: 52TD16DN46XGD
EAN: 4069025478641

LP number
58520_311



Version cover frosted, direct-/ indirect distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting DC mode (central or group accumulator) initial emergency light level
Rated values Net luminous flux = 900 lm
 Power consumption = 5.8 W
 Luminous efficacy = 155.2 lm/W

serial
documentation
10.08.2023

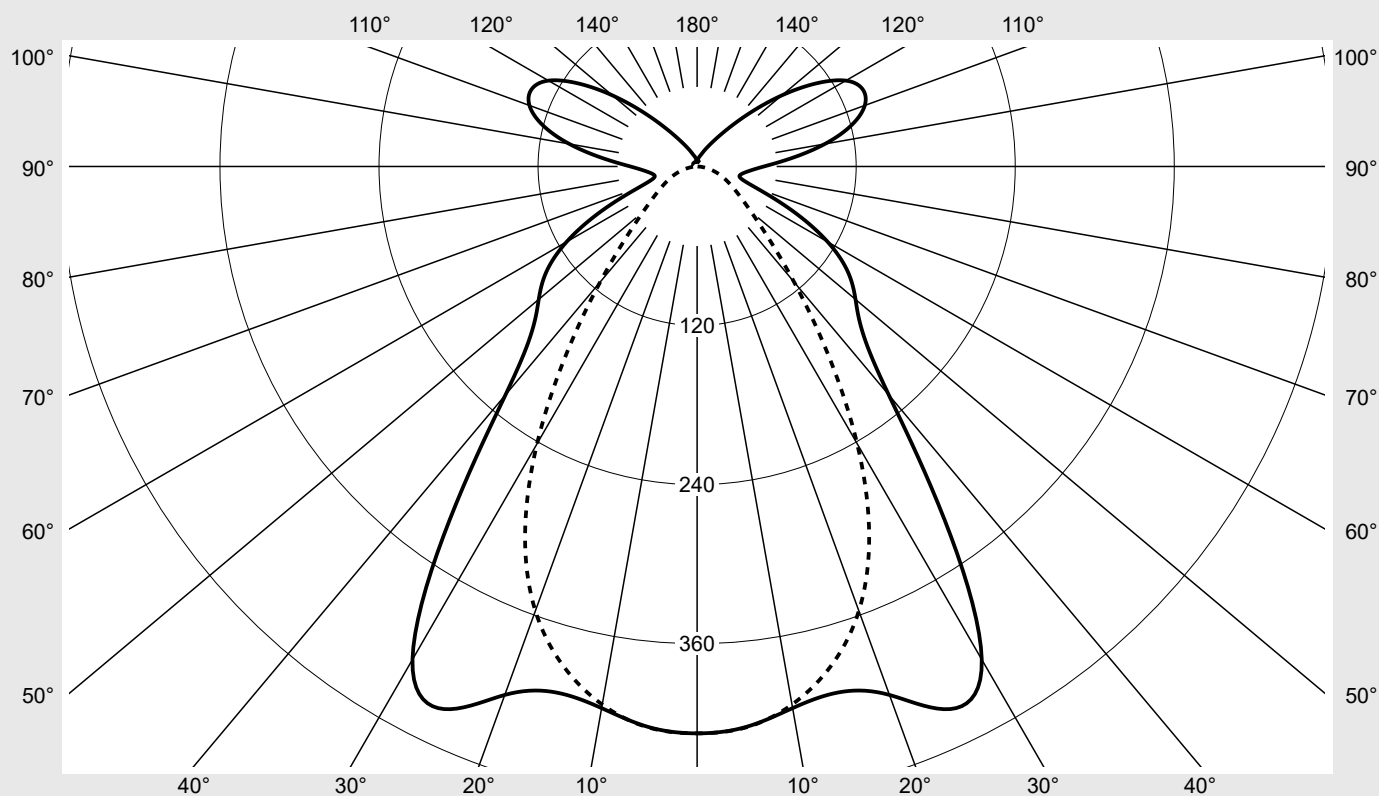
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 452 cd/klm



Classifications

DIN 5040 B 5 1
 CIE N1=65 N2=88 N3=96
 N4=79 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 79.3%
 ϕ_o 20.7%

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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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	10.7	12.0	11.3	12.5	13.2	6.9	8.2	7.5	8.7	9.4
	3H	11.3	12.4	11.9	13.0	13.7	7.3	8.4	7.9	9.0	9.7
	4H	11.5	12.5	12.1	13.1	13.8	7.5	8.6	8.1	9.2	9.9
	6H	11.7	12.6	12.4	13.3	14.1	7.7	8.6	8.3	9.3	10.0
	8H	12.0	12.8	12.7	13.5	14.2	7.6	8.5	8.3	9.2	9.9
	12H	12.3	13.0	13.0	13.7	14.5	7.7	8.5	8.3	9.2	9.9
4H	2H	10.7	11.8	11.3	12.4	13.1	7.4	8.4	8.0	9.0	9.7
	3H	11.4	12.3	12.0	12.9	13.7	7.9	8.8	8.6	9.5	10.2
	4H	11.6	12.4	12.3	13.1	13.9	8.2	9.0	8.9	9.7	10.5
	6H	12.1	12.7	12.8	13.4	14.3	8.5	9.1	9.2	9.8	10.6
	8H	12.4	13.0	13.2	13.7	14.6	8.5	9.1	9.2	9.8	10.7
	12H	12.9	13.4	13.7	14.2	15.1	8.5	9.1	9.3	9.8	10.7
8H	4H	11.6	12.2	12.3	12.9	13.8	8.4	9.0	9.1	9.7	10.6
	6H	12.2	12.7	12.9	13.4	14.3	8.8	9.3	9.5	10.0	10.9
	8H	12.7	13.1	13.4	13.9	14.8	8.9	9.4	9.7	10.1	11.0
	12H	13.4	13.8	14.2	14.6	15.5	9.0	9.4	9.8	10.2	11.1
12H	4H	11.6	12.1	12.3	12.8	13.7	8.4	8.9	9.2	9.7	10.5
	6H	12.1	12.6	12.9	13.3	14.2	8.9	9.3	9.6	10.1	11.0
	8H	12.7	13.1	13.5	13.8	14.8	9.1	9.5	9.9	10.2	11.2

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480 B = 115	H(C0) = 36 H(C90) = 0	H(C180) = 36 H(C270) = 0
C-planes	γ	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						
45°		1004.8	1003.7	1173.8	1375.8	828.0	583.3	565.8
50°		934.7	872.4	849.0	1003.8	625.6	442.1	437.4
55°		885.5	791.5	654.1	698.6	481.4	358.6	366.7
60°		779.6	688.0	519.4	494.7	385.6	306.5	325.7
65°		597.0	532.5	408.0	371.6	323.6	273.2	300.7
70°		396.3	366.4	315.5	299.4	282.8	249.0	281.9
75°		319.9	299.2	265.2	259.6	257.0	226.4	259.7
80°		370.1	344.7	284.4	245.4	244.0	207.0	228.6
85°		520.4	485.4	389.1	295.7	247.4	195.6	194.6

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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