

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL147N48XG
EAN: 4058352964453

LP number
58683_345



Version cover frosted, asymmetric distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG
Rated values Net luminous flux = 8240 lm
 Power consumption = 48.5 W
 Luminous efficacy = 169.9 lm/W

serial
documentation
11.10.2023

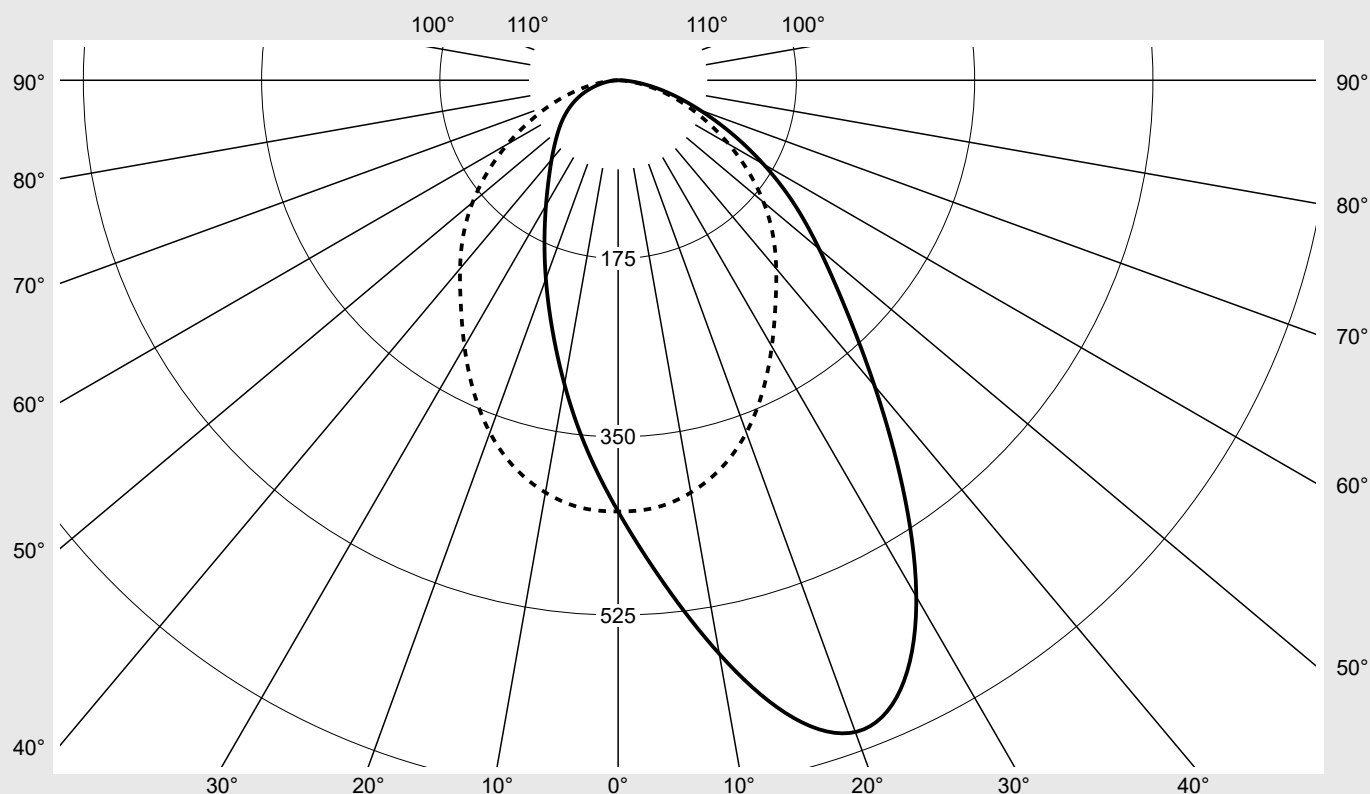
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 681 cd/klm



Classifications

DIN 5040 A 4 0
 CIE N1=56 N2=84 N3=97
 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	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity in cd/klm						
0°	423.3	423.3	423.3	423.3	423.3	423.3	423.3
5°	492.9	491.4	480.7	469.8	456.1	438.7	421.2
10°	571.7	566.6	544.9	518.0	484.6	447.0	411.0
15°	644.7	637.1	605.9	562.5	507.2	447.4	393.4
20°	680.9	674.8	644.8	594.0	519.7	438.2	368.1
25°	657.9	657.6	642.1	600.0	518.2	419.3	336.2
30°	585.4	591.2	594.0	574.0	501.7	394.4	301.7
35°	486.6	496.5	513.6	518.9	472.6	367.8	269.2
40°	391.6	400.9	423.7	447.6	435.3	342.4	241.4
45°	315.0	320.7	340.1	373.0	389.0	312.9	214.9
50°	257.7	259.4	273.6	305.9	334.9	275.1	186.5
55°	210.4	209.0	219.8	247.0	276.4	230.5	156.0
60°	164.7	163.2	172.4	194.6	218.3	183.7	125.4
65°	122.2	121.6	130.0	147.7	165.1	139.3	96.1
70°	85.2	85.7	92.4	106.6	118.3	100.1	70.2
75°	55.7	56.1	61.0	71.1	77.9	65.9	46.5
80°	31.6	31.9	35.4	40.3	43.4	36.3	25.7
85°	13.1	12.9	14.6	16.5	16.2	13.2	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C- planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	423.3	423.3	423.3	423.3	423.3	423.3	2.5	2.5
5°	404.2	389.5	375.7	365.6	362.1	361.8	20.2	22.8
10°	378.5	351.6	328.9	312.6	305.3	303.2	40.3	63.1
15°	347.6	311.7	283.3	263.5	254.2	251.1	59.8	123.0
20°	312.8	271.7	241.2	220.7	211.0	207.4	77.2	200.1
25°	275.0	232.7	202.9	183.7	174.4	171.0	89.9	290.0
30°	237.7	196.9	169.7	152.6	144.6	141.7	96.4	386.5
35°	204.1	165.0	141.0	127.0	121.0	118.9	96.9	483.4
40°	176.0	138.8	117.2	106.8	102.8	101.6	93.4	576.7
45°	151.3	116.9	98.0	90.5	88.3	87.8	87.1	663.9
50°	128.6	98.3	82.7	77.4	76.2	76.3	79.3	743.1
55°	107.1	82.4	69.7	65.9	65.5	66.0	69.9	813.0
60°	87.0	68.0	58.3	55.3	55.4	56.0	59.0	872.0
65°	68.6	55.0	47.7	45.3	45.4	45.9	47.4	919.5
70°	51.6	42.4	37.2	35.1	35.2	35.4	35.8	955.3
75°	35.3	29.8	26.5	24.5	24.4	24.5	24.7	980.0
80°	20.2	17.6	15.6	14.5	14.4	14.5	14.3	994.3
85°	7.8	7.1	6.7	6.2	6.2	6.3	5.7	1000.0
90°	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	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	25.7	27.3	26.1	27.6	27.9	24.3	25.9	24.7	26.2	26.6
	3H	26.7	28.1	27.1	28.5	28.8	25.4	26.9	25.8	27.2	27.6
	4H	27.0	28.4	27.4	28.8	29.1	25.9	27.2	26.3	27.6	27.9
	6H	27.3	28.5	27.7	28.9	29.3	26.1	27.4	26.5	27.7	28.1
	8H	27.4	28.6	27.8	29.0	29.4	26.2	27.4	26.6	27.8	28.2
	12H	27.5	28.6	27.9	29.0	29.4	26.3	27.4	26.7	27.7	28.2
4H	2H	26.5	27.8	26.9	28.2	28.5	24.9	26.3	25.3	26.6	27.0
	3H	27.6	28.7	28.0	29.1	29.5	26.3	27.5	26.8	27.9	28.3
	4H	28.0	29.1	28.5	29.5	29.9	26.9	27.9	27.3	28.3	28.7
	6H	28.4	29.3	28.8	29.7	30.1	27.3	28.1	27.7	28.6	29.0
	8H	28.5	29.3	29.0	29.7	30.2	27.4	28.2	27.8	28.6	29.1
	12H	28.6	29.3	29.1	29.7	30.2	27.5	28.2	27.9	28.6	29.1
8H	4H	28.4	29.2	28.8	29.6	30.1	27.1	27.9	27.6	28.4	28.9
	6H	28.8	29.5	29.3	29.9	30.4	27.6	28.3	28.1	28.8	29.3
	8H	29.0	29.5	29.5	30.0	30.5	27.8	28.4	28.3	28.9	29.4
	12H	29.1	29.6	29.6	30.1	30.6	27.9	28.4	28.4	28.9	29.4
12H	4H	28.4	29.1	28.9	29.6	30.1	27.2	27.9	27.6	28.3	28.8
	6H	28.9	29.5	29.4	29.9	30.5	27.7	28.3	28.2	28.8	29.3
	8H	29.1	29.6	29.6	30.1	30.6	27.9	28.4	28.4	28.9	29.4

Luminance table		Max. for $\gamma \geq 65^\circ$					Photometric dimensions in mm:		L = 1500 B = 58				
C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Luminance in cd/m²												
45°	42187.4	42949.8	45558.9	49964.0	52098.8	41916.3	28785.6	20271.9	15655.1	13120.5	12125.9	11830.2	11754.8
50°	37965.6	38217.3	40314.1	45066.7	49353.5	40528.5	27481.8	18954.8	14490.1	12180.0	11398.2	11233.1	11244.3
55°	34735.0	34515.7	36291.2	40781.9	45648.5	38056.2	25753.6	17691.3	13602.6	11508.8	10886.3	10817.4	10905.1
60°	31196.6	30921.2	32658.2	36863.3	41355.9	34790.8	23745.0	16474.1	12876.4	11036.3	10483.9	10487.5	10614.6
65°	27383.9	27242.3	29127.2	33096.0	36993.9	31211.0	21541.6	15371.7	12335.6	10684.2	10157.1	10172.5	10296.0
70°	23587.9	23743.8	25593.3	29528.7	32751.2	27724.8	19438.8	14284.4	11736.2	10310.6	9706.4	9744.9	9790.3
75°	20389.9	20529.0	22308.5	26011.9	28504.3	24123.2	17031.7	12921.4	10921.9	9681.3	8949.8	8929.0	8952.0
80°	17261.7	17413.3	19293.4	21998.2	23647.0	19793.6	14032.8	11024.7	9603.9	8500.0	7930.5	7875.4	7920.2
85°	14227.2	14068.5	15821.3	17890.4	17588.3	14316.3	9924.9	8488.3	7746.0	7229.9	6790.8	6756.0	6818.0

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

