

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL187N485G
EAN: 4058352940747

LP number
58691_184



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG
Rated values Net luminous flux = 8700 lm
Power consumption = 48.5 W
Luminous efficacy = 179.4 lm/W

serial
documentation
11.10.2023

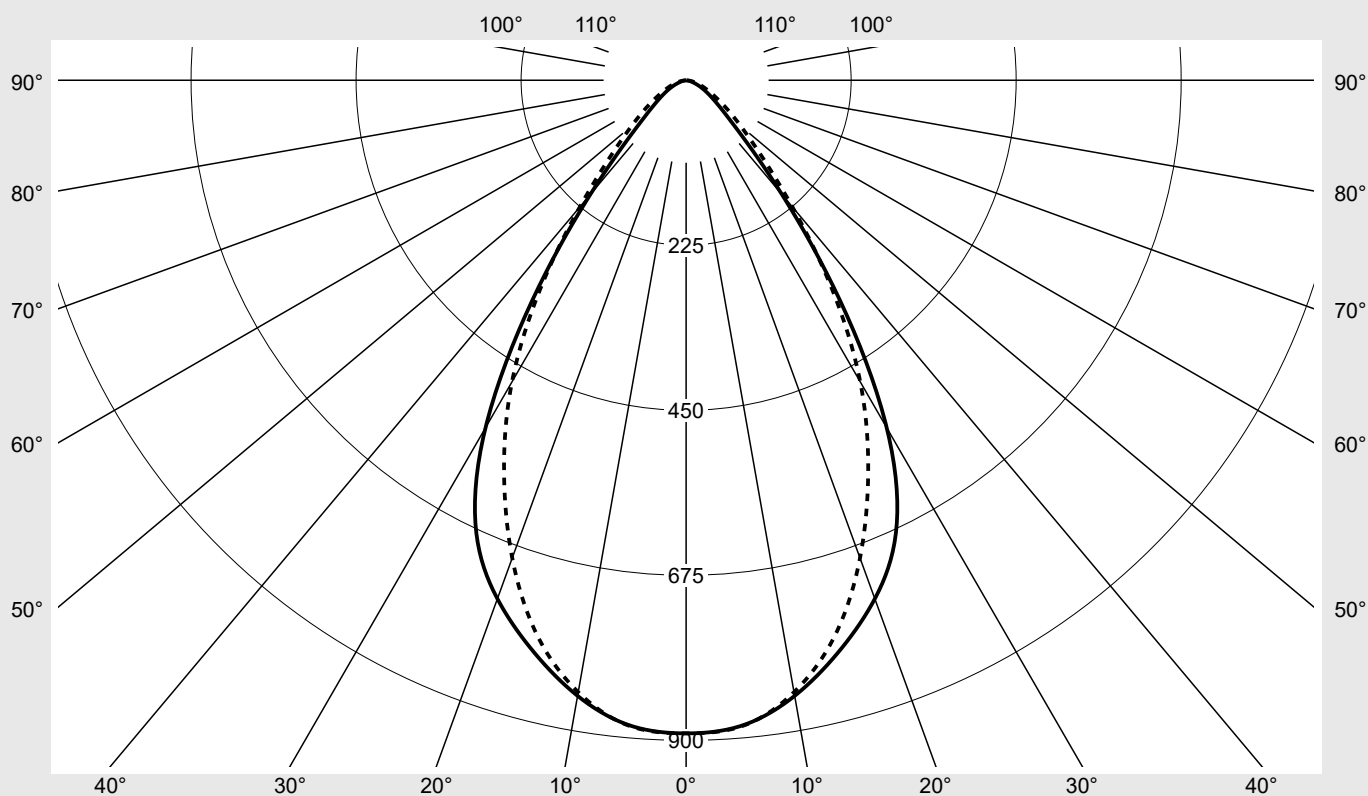
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 890 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=83 N2=96 N3=99
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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	1000.0
90°	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	18.5	19.8	18.8	20.1	20.4	19.4	20.7	19.8	21.0
	3H	18.7	19.8	19.0	20.1	20.5	19.9	21.0	20.3	21.4
	4H	18.7	19.7	19.1	20.1	20.5	20.1	21.1	20.5	21.5
	6H	18.7	19.6	19.1	20.0	20.4	20.2	21.2	20.6	21.5
	8H	18.8	19.6	19.2	20.0	20.4	20.3	21.2	20.8	21.5
	12H	18.8	19.5	19.2	19.9	20.3	20.3	21.1	20.8	21.5
4H	2H	18.6	19.7	19.0	20.1	20.4	19.5	20.5	19.9	20.9
	3H	18.9	19.8	19.4	20.2	20.6	20.1	21.0	20.6	21.4
	4H	19.0	19.8	19.4	20.2	20.6	20.4	21.2	20.9	21.6
	6H	19.0	19.7	19.5	20.1	20.6	20.6	21.3	21.1	21.8
	8H	19.0	19.6	19.5	20.1	20.5	20.7	21.3	21.2	21.8
	12H	19.0	19.5	19.5	20.0	20.5	20.8	21.3	21.3	21.7
8H	4H	19.1	19.7	19.6	20.1	20.6	20.5	21.1	20.9	21.5
	6H	19.1	19.6	19.6	20.1	20.6	20.8	21.2	21.2	21.7
	8H	19.1	19.6	19.6	20.0	20.6	20.8	21.3	21.4	21.8
	12H	19.2	19.5	19.7	20.0	20.5	20.9	21.3	21.5	21.8
12H	4H	19.1	19.6	19.6	20.1	20.6	20.5	21.0	21.0	21.4
	6H	19.2	19.6	19.7	20.0	20.6	20.8	21.1	21.3	21.6
	8H	19.2	19.5	19.7	20.0	20.6	20.9	21.2	21.4	21.7

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 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°	15390.0	15277.9	14517.6	14658.9	17525.8	19723.8	20384.5
50°	10383.8	10283.3	9764.0	10365.2	13057.8	14748.0	15129.3
55°	7947.9	7899.2	7903.6	8536.8	10609.9	11677.8	11819.2
60°	6386.0	6354.4	6829.8	7606.6	9032.8	9418.8	9410.0
65°	5115.3	5136.1	5869.6	6704.4	7945.5	7845.4	7776.5
70°	3908.5	4011.8	4745.3	5814.0	7160.1	6825.0	6661.0
75°	2897.0	2979.7	3520.2	4890.3	6227.5	6001.9	5719.1
80°	2304.1	2341.5	2658.2	3693.7	5145.5	5102.8	4689.9
85°	2137.6	2116.9	2289.0	3026.8	3913.7	4042.2	3431.8

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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