

Photometric test report

Family
Licross® 11 Protected

Order number: 51TP12DN4FXMD
EAN: 4069025295699

LP number
58523_208



Version prismatic cover, frosted, wide 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 = 2290 lm
 Power consumption = 13.9 W
 Luminous efficacy = 164.8 lm/W

serial
documentation
04.10.2023

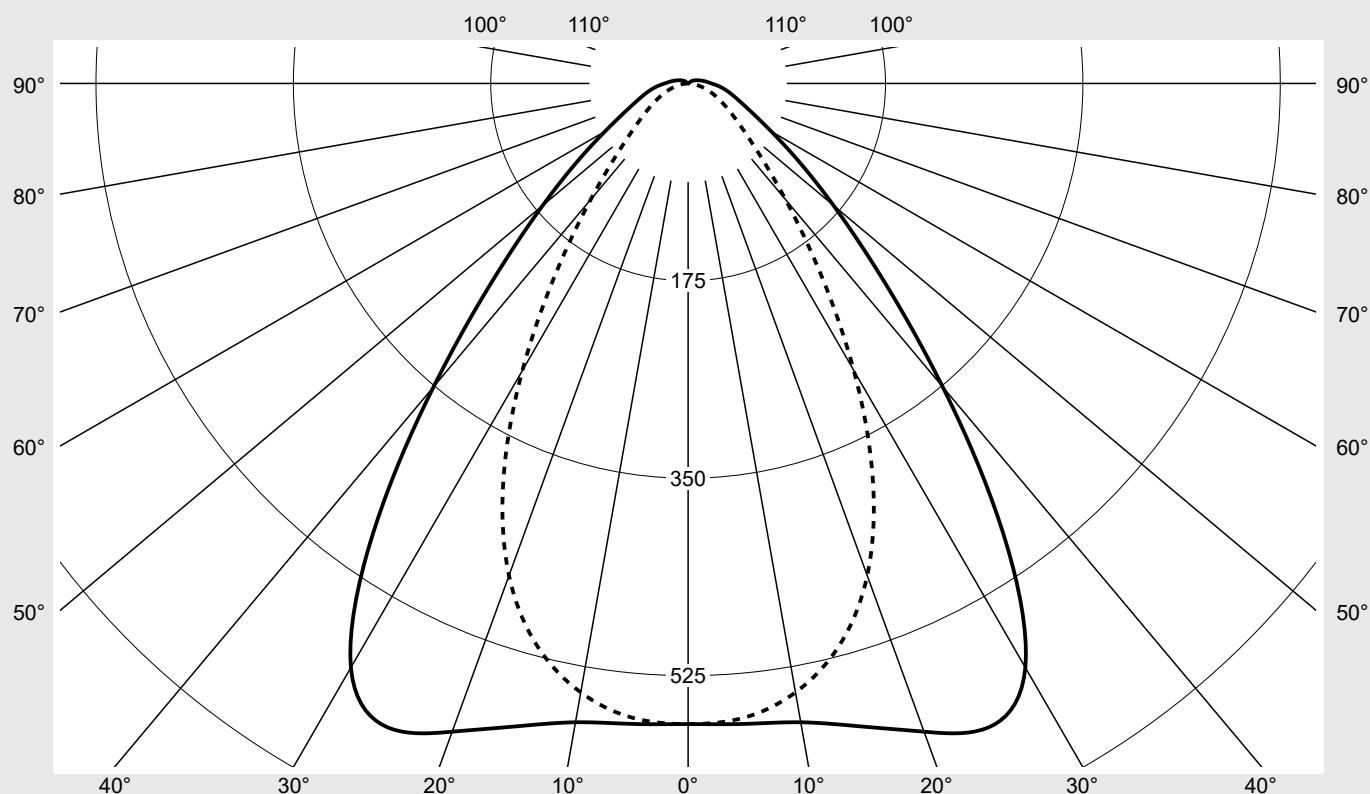
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Luminous intensity in cd/klm

C180-0

C270-90

I_{max}: 630 cd/klm



Classifications

DIN 5040 A 5 1
 CIE N1=70 N2=91 N3=97
 N4=98 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 98.3%
 ϕ_o 1.7%

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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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	16.9	18.3	17.2	18.6	18.9	12.7	14.1	13.0	14.4	14.8
	3H	17.4	18.7	17.8	19.1	19.4	13.1	14.4	13.5	14.8	15.1
	4H	17.8	19.0	18.2	19.3	19.7	13.3	14.5	13.7	14.9	15.3
	6H	18.2	19.3	18.6	19.6	20.0	13.4	14.6	13.9	15.0	15.3
	8H	18.5	19.4	18.9	19.8	20.2	13.5	14.6	14.0	15.0	15.4
	12H	18.7	19.6	19.2	20.0	20.4	13.6	14.6	14.0	15.0	15.4
4H	2H	16.9	18.1	17.3	18.5	18.8	13.4	14.5	13.8	14.9	15.3
	3H	17.6	18.6	18.1	19.0	19.4	13.9	14.9	14.3	15.3	15.7
	4H	18.1	19.0	18.5	19.4	19.8	14.2	15.1	14.6	15.5	15.9
	6H	18.6	19.4	19.1	19.8	20.3	14.4	15.2	14.8	15.6	16.1
	8H	19.0	19.7	19.4	20.1	20.6	14.5	15.2	14.9	15.6	16.1
	12H	19.3	19.9	19.8	20.4	20.9	14.5	15.2	15.0	15.6	16.1
8H	4H	18.1	18.8	18.6	19.3	19.7	14.5	15.2	15.0	15.6	16.1
	6H	18.7	19.3	19.2	19.8	20.3	14.8	15.4	15.3	15.9	16.4
	8H	19.1	19.7	19.7	20.2	20.7	14.9	15.5	15.4	15.9	16.5
	12H	19.7	20.1	20.2	20.6	21.1	15.1	15.5	15.6	16.0	16.5
12H	4H	18.1	18.7	18.6	19.2	19.7	14.6	15.2	15.1	15.6	16.1
	6H	18.8	19.3	19.3	19.7	20.3	15.0	15.4	15.5	15.9	16.4
	8H	19.2	19.6	19.7	20.1	20.7	15.1	15.5	15.6	16.0	16.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480 B = 78		H(C0) = 13 H(C90) = 0		H(C180) = 13 H(C270) = 0	
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°				
		Luminance in cd/m²									
γ											
45°	5812.2	6056.9	6303.8	5317.0	3635.5	2705.7	2523.0				
50°	4333.5	4506.0	4712.0	3910.2	2649.6	2047.4	1966.4				
55°	3320.9	3426.2	3536.8	2882.8	1996.2	1641.0	1643.6				
60°	2619.7	2663.2	2678.1	2178.6	1583.9	1379.9	1430.7				
65°	2205.7	2183.4	2087.2	1711.2	1329.9	1205.2	1275.6				
70°	2003.9	1917.5	1695.7	1406.5	1168.7	1073.2	1152.7				
75°	1950.0	1800.3	1469.7	1208.9	1049.3	956.7	1035.0				
80°	1995.3	1792.4	1378.6	1091.5	958.1	862.5	916.0				
85°	2128.3	1896.4	1408.3	1083.4	931.2	801.9	824.2				

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

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