

Photometric test report

Family
Licross® 11 Protected

Order number: 51TD1B7N48XG
EAN: 4058352928967

LP number
58522_255



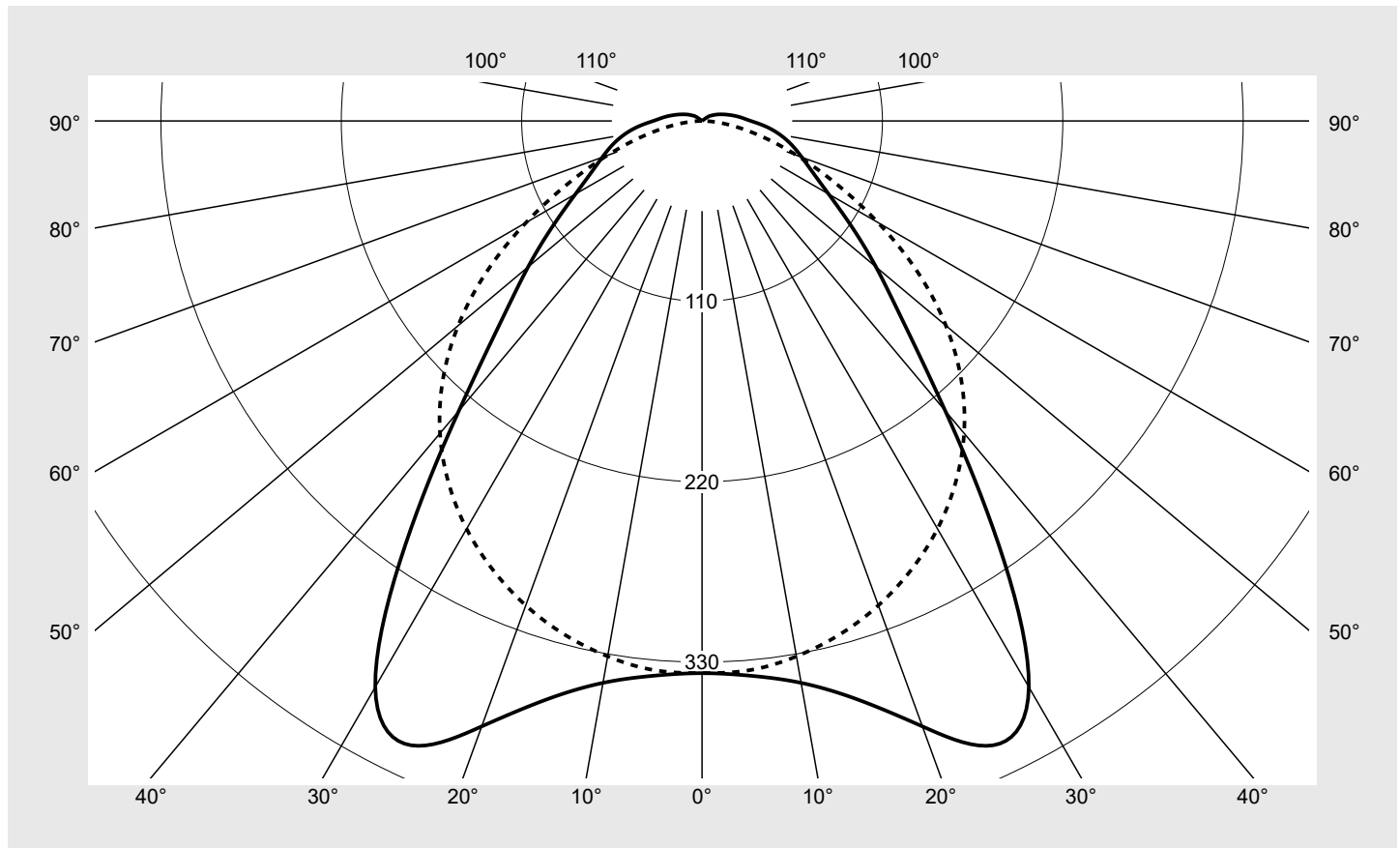
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG
Rated values Net luminous flux = 8190 lm
 Power consumption = 48.6 W
 Luminous efficacy = 168.5 lm/W

serial
documentation
11.10.2023

sitEco

Luminous intensity in cd/klm **C180-0** **C270-90**

Imax: 420 cd/klm



Classifications

DIN 5040 A 4 1
 CIE N1=54 N2=82 N3=95
 N4=97 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 96.8%
 ϕ_o 3.2%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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
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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	20.5	22.1	20.8	22.4	22.7	22.4	24.0	22.7	24.3	24.6
	3H	21.6	23.1	22.0	23.5	23.8	23.4	24.8	23.7	25.2	25.5
	4H	22.3	23.7	22.7	24.1	24.4	23.7	25.1	24.1	25.5	25.8
	6H	23.1	24.4	23.5	24.7	25.1	24.0	25.2	24.4	25.6	26.0
	8H	23.5	24.7	23.9	25.1	25.5	24.1	25.3	24.5	25.7	26.1
	12H	23.9	25.0	24.3	25.4	25.8	24.1	25.3	24.6	25.6	26.1
4H	2H	21.3	22.7	21.7	23.1	23.4	22.8	24.2	23.2	24.5	24.9
	3H	22.7	23.8	23.1	24.2	24.6	24.1	25.3	24.5	25.6	26.0
	4H	23.5	24.5	23.9	25.0	25.4	24.6	25.6	25.0	26.0	26.5
	6H	24.4	25.3	24.8	25.7	26.2	24.9	25.9	25.4	26.3	26.7
	8H	24.9	25.7	25.3	26.2	26.6	25.1	25.9	25.5	26.4	26.8
	12H	25.3	26.1	25.8	26.6	27.0	25.2	25.9	25.6	26.4	26.9
8H	4H	23.9	24.8	24.4	25.2	25.7	24.8	25.7	25.3	26.1	26.6
	6H	25.0	25.7	25.5	26.2	26.7	25.4	26.1	25.9	26.6	27.1
	8H	25.6	26.2	26.1	26.7	27.2	25.6	26.2	26.1	26.7	27.2
	12H	26.2	26.7	26.7	27.2	27.8	25.7	26.3	26.3	26.8	27.3
12H	4H	24.0	24.7	24.5	25.2	25.7	24.9	25.7	25.4	26.1	26.6
	6H	25.1	25.7	25.6	26.2	26.7	25.5	26.1	26.0	26.6	27.1
	8H	25.8	26.3	26.3	26.8	27.3	25.8	26.3	26.3	26.8	27.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

C-planes	γ	Luminance in cd/m ²							
		0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	14952.8	15738.1	18025.3	21522.8	23918.1	23082.0	22436.2	
	50°	12751.3	13378.4	15220.0	18225.1	20952.5	21482.6	21425.8	
	55°	11046.2	11614.4	13355.8	15913.0	18197.1	19096.2	19836.2	
	60°	9813.9	10253.1	11759.9	14243.2	15933.7	16488.1	17586.4	
	65°	9229.9	9525.1	10574.2	12789.2	14161.3	14110.6	15079.0	
	70°	9213.5	9369.1	9867.6	11504.9	12690.9	12058.9	12797.9	
	75°	9574.7	9614.5	9637.5	10519.3	11300.5	10242.2	10767.5	
	80°	10140.7	10088.0	9867.3	9935.8	10094.1	8801.9	8932.4	
	85°	10947.3	10887.9	10591.0	10201.2	9558.4	7828.5	7425.4	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

