

Photometric test report

Family
Licross® 11 Protected

Order number: 51TP12DN49XF3S4
EAN: 4058352676776

LP number
58524_207



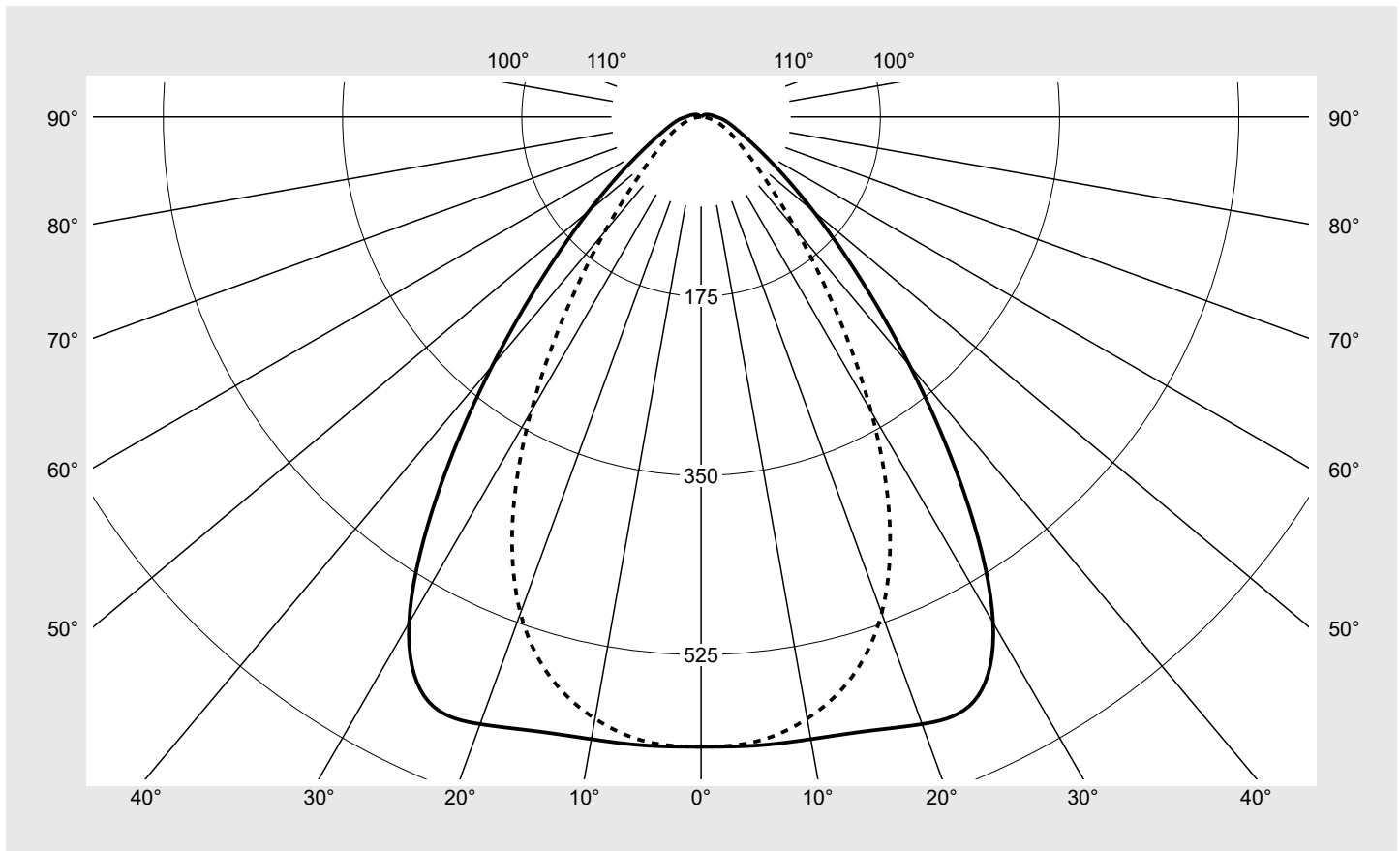
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting emergency light operation: 3 h
Rated values Net luminous flux = 870 lm
 Power consumption = 5.0 W
 Luminous efficacy = 174 lm/W

serial
documentation
21.07.2022

sitEco

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

Imax: 631 cd/klm



Classifications

DIN 5040 A 5 1
 CIE N1=73 N2=92 N3=98
 N4=99 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 98.6%
 ϕ_o 1.4%

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 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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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	12.8	14.2	13.1	14.5	14.8	9.5	11.0	9.9	11.3	11.6
	3H	13.2	14.5	13.6	14.8	15.2	9.9	11.2	10.3	11.5	11.8
	4H	13.4	14.6	13.8	15.0	15.3	10.0	11.2	10.4	11.6	12.0
	6H	13.7	14.8	14.1	15.1	15.5	10.2	11.3	10.6	11.6	12.0
	8H	14.0	14.9	14.4	15.3	15.7	10.2	11.3	10.7	11.6	12.0
	12H	14.1	15.0	14.6	15.4	15.8	10.3	11.2	10.7	11.6	12.0
4H	2H	12.8	14.0	13.2	14.4	14.8	10.1	11.2	10.5	11.6	11.9
	3H	13.4	14.4	13.8	14.8	15.2	10.5	11.5	11.0	11.9	12.3
	4H	13.7	14.6	14.2	15.0	15.5	10.8	11.6	11.2	12.0	12.5
	6H	14.1	14.9	14.6	15.3	15.8	10.9	11.7	11.4	12.1	12.6
	8H	14.4	15.0	14.9	15.5	16.0	11.0	11.7	11.5	12.2	12.6
	12H	14.7	15.2	15.2	15.7	16.2	11.1	11.7	11.6	12.2	12.6
8H	4H	13.7	14.4	14.2	14.9	15.4	11.0	11.7	11.5	12.1	12.6
	6H	14.2	14.8	14.7	15.3	15.8	11.3	11.8	11.8	12.3	12.8
	8H	14.5	15.1	15.1	15.5	16.1	11.4	11.9	11.9	12.4	12.9
	12H	14.9	15.4	15.5	15.9	16.4	11.5	11.9	12.0	12.4	13.0
12H	4H	13.7	14.3	14.2	14.8	15.3	11.1	11.6	11.5	12.1	12.6
	6H	14.3	14.7	14.8	15.2	15.7	11.4	11.8	11.9	12.3	12.8
	8H	14.6	15.0	15.1	15.5	16.1	11.5	11.9	12.0	12.4	13.0

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° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	1954.4	2077.1	2273.4	2046.8	1452.9	1079.1	1002.2	
	50°	1399.4	1495.3	1670.1	1489.0	1042.1	789.2	751.1	
	55°	1024.8	1090.4	1218.7	1069.5	760.9	614.7	608.4	
	60°	784.1	820.2	895.0	793.4	589.5	505.4	519.4	
	65°	644.3	656.6	680.2	608.6	483.7	434.9	458.3	
	70°	572.9	565.8	543.5	489.8	417.0	384.8	413.4	
	75°	547.7	522.5	464.7	412.9	368.2	341.3	371.2	
	80°	553.7	515.4	432.5	366.9	331.3	306.1	330.0	
	85°	585.4	540.9	438.7	359.8	316.5	279.8	298.0	

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

