
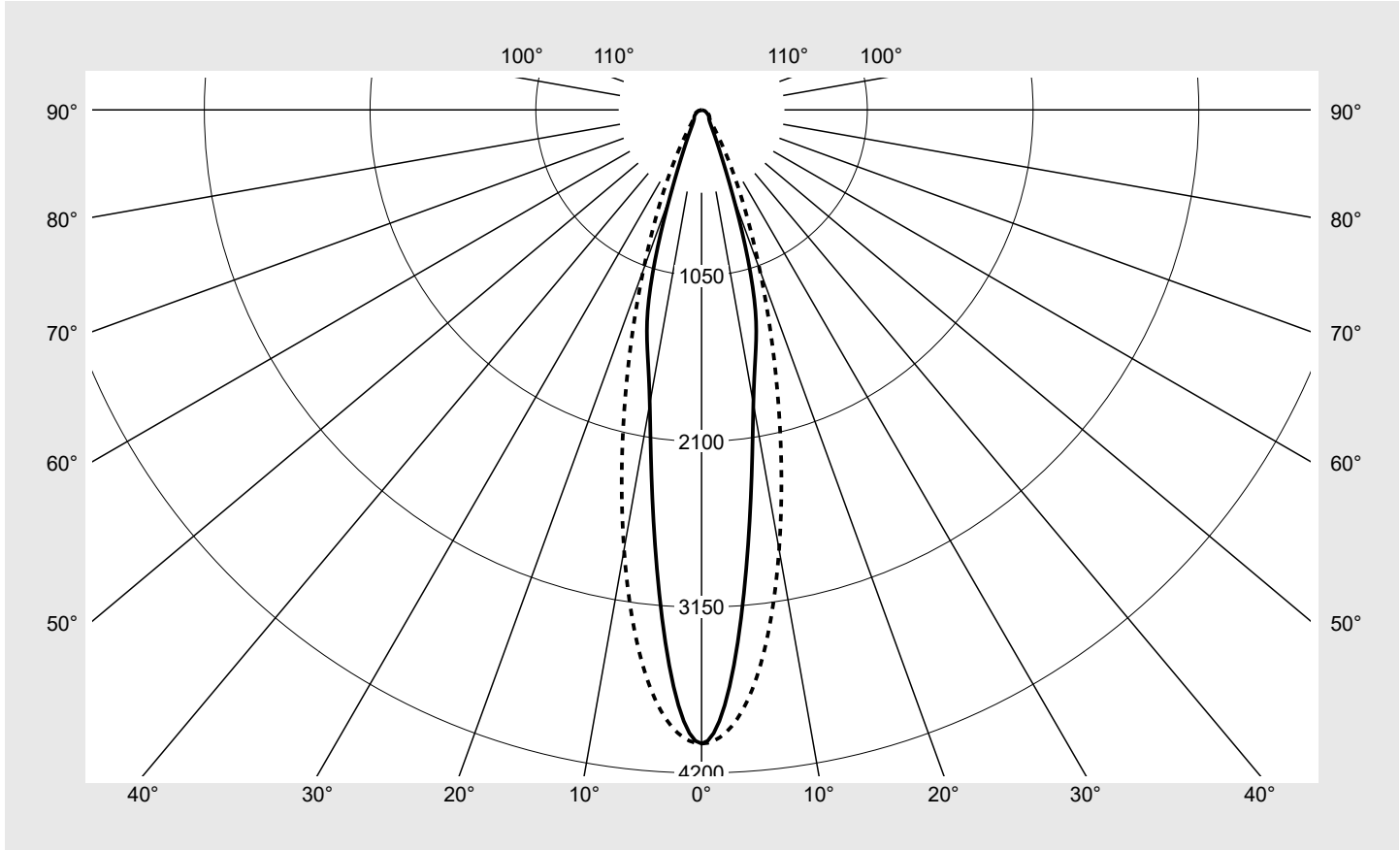


Photometric test report

Family Licross® Protected	Order number: 51TP13CN4DXRD EAN: 4058352418536	LP number 58527_18
	Version prismatic cover, frosted, extremely narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Setting DC mode (central or group accumulator) initial emergency light level Rated values Net luminous flux = 3370 lm Power consumption = 21.6 W Luminous efficacy = 156 lm/W	serial documentation 26.08.2020



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 4014 cd/klm**



Classifications	
DIN 5040	A 8 1
CIE	N1=89 N2=96 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.7%
ϕ_o	0.3%

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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	9.7	10.8	10.1	11.1	11.4	10.3	11.3	10.6	11.7	12.0
	3H	11.3	12.1	11.7	12.4	12.8	11.8	12.5	12.2	12.8	13.2
	4H	11.7	12.6	12.1	13.0	13.4	11.9	12.8	12.3	13.2	13.6
	6H	12.2	13.2	12.6	13.5	13.9	12.0	13.0	12.4	13.3	13.7
	8H	12.8	13.5	13.2	13.8	14.2	12.1	13.0	12.6	13.4	13.8
	12H	12.8	13.6	13.2	14.0	14.4	12.1	13.0	12.6	13.4	13.8
4H	2H	9.9	10.8	10.3	11.2	11.6	10.4	11.3	10.8	11.7	12.0
	3H	11.4	12.2	11.9	12.6	13.0	11.7	12.5	12.2	12.9	13.3
	4H	12.2	12.9	12.7	13.3	13.8	12.2	12.9	12.7	13.3	13.8
	6H	12.8	13.6	13.2	14.0	14.5	12.3	13.1	12.8	13.6	14.0
	8H	13.4	13.9	13.9	14.4	14.9	12.7	13.2	13.2	13.7	14.1
	12H	13.5	14.2	14.0	14.7	15.2	12.5	13.2	13.0	13.6	14.1
8H	4H	12.4	12.9	12.9	13.3	13.8	12.4	12.9	12.9	13.4	13.8
	6H	13.6	13.7	14.1	14.2	14.8	12.9	13.3	13.4	13.8	14.3
	8H	13.8	14.1	14.3	14.6	15.1	13.0	13.4	13.5	13.9	14.4
	12H	14.0	14.5	14.5	15.0	15.5	12.8	13.4	13.3	13.9	14.4
12H	4H	12.1	12.8	12.6	13.2	13.7	12.2	12.8	12.6	13.3	13.8
	6H	13.1	13.6	13.6	14.1	14.6	12.6	13.2	13.1	13.7	14.2
	8H	13.5	14.1	14.1	14.6	15.1	12.8	13.4	13.3	13.9	14.4

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°		2323.1	2068.3	1620.7	1458.7	1629.0	2182.6	2956.7	
50°		2199.5	1926.7	1487.3	1289.9	1353.8	1918.5	2951.8	
55°		1938.3	1724.5	1396.9	1183.7	1195.6	1682.2	2909.7	
60°		1713.1	1504.8	1299.4	1110.2	1088.0	1470.7	2770.8	
65°		1527.6	1307.7	1191.8	1069.5	1016.5	1284.7	2461.3	
70°		1399.1	1173.7	1055.1	1040.2	964.8	1120.1	1995.6	
75°		1332.6	1103.3	943.4	1009.6	925.0	971.9	1513.3	
80°		1257.9	1066.2	898.0	964.3	903.6	835.4	1101.5	
85°		1214.2	1057.9	926.0	961.7	952.4	719.2	770.0	

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Family
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Order number: 51TP13CN4DXRD
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LP number
58527_18

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

