
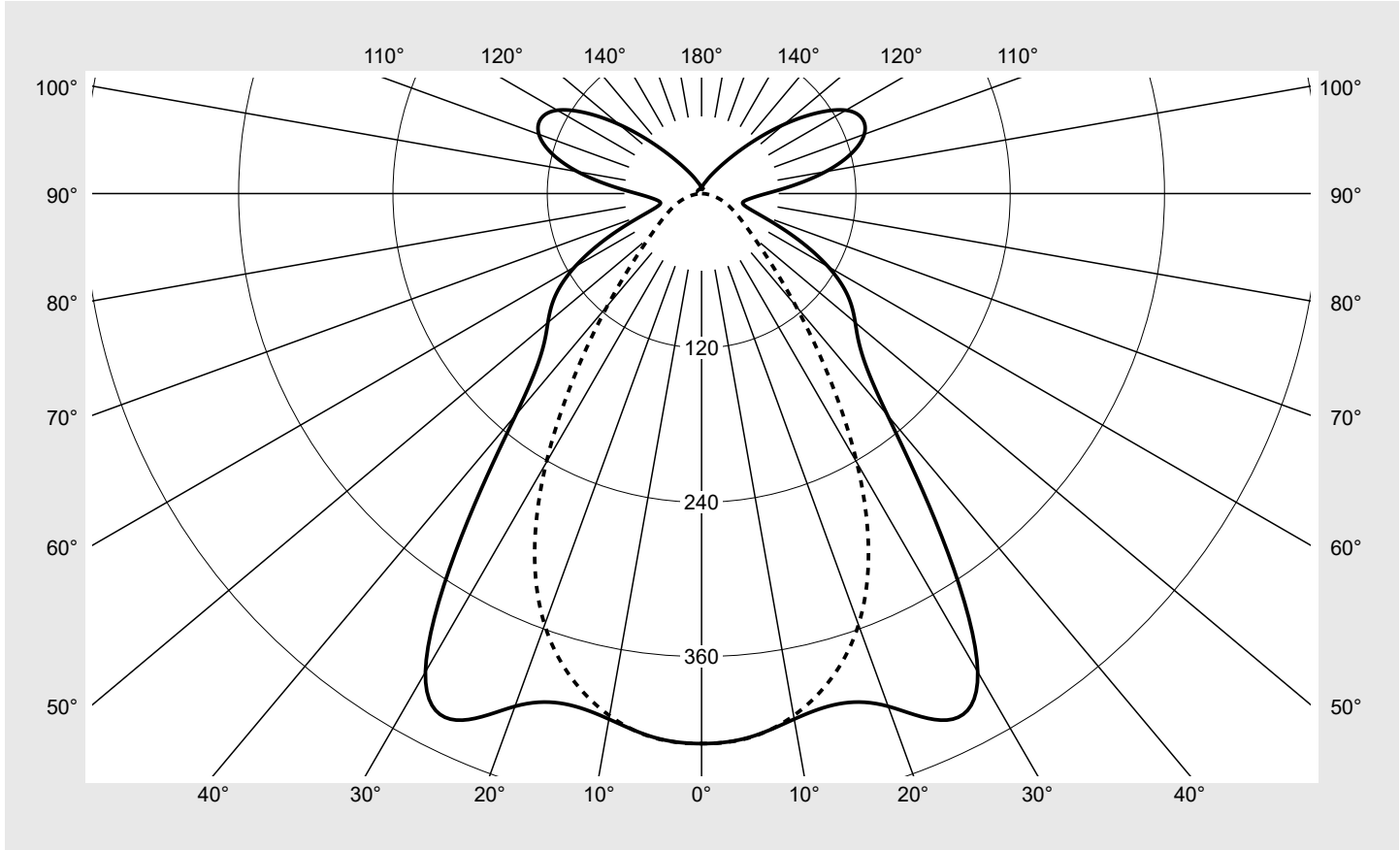


Photometric test report

Family Licross® 11 Performance	Order number: 51TD16DN445G EAN: 4058352965139	LP number 58520_382
	Version cover frosted, direct-/ indirect distribution, UGR≤19 (L65≤3000cd/m²) Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4520 lm Power consumption = 24.3 W Luminous efficacy = 186 lm/W	serial documentation 07.02.2024
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 452 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=65 N2=88 N3=96 N4=79 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	79.3%
ϕ_o	20.7%

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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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	16.3	17.6	16.9	18.1	18.8	12.5	13.8	13.1	14.3	15.0
	3H	16.9	18.0	17.5	18.6	19.3	12.9	14.0	13.5	14.6	15.3
	4H	17.1	18.1	17.7	18.7	19.4	13.1	14.2	13.7	14.8	15.5
	6H	17.3	18.2	18.0	18.9	19.7	13.3	14.2	13.9	14.9	15.6
	8H	17.6	18.4	18.3	19.1	19.9	13.3	14.2	13.9	14.8	15.5
	12H	17.9	18.6	18.6	19.3	20.2	13.3	14.1	13.9	14.8	15.5
4H	2H	16.3	17.4	16.9	18.0	18.7	13.0	14.0	13.6	14.6	15.3
	3H	17.0	17.9	17.7	18.5	19.3	13.6	14.4	14.2	15.1	15.8
	4H	17.3	18.0	17.9	18.7	19.5	13.8	14.6	14.5	15.3	16.1
	6H	17.7	18.3	18.4	19.0	19.9	14.1	14.7	14.8	15.4	16.3
	8H	18.0	18.6	18.8	19.3	20.2	14.1	14.7	14.8	15.5	16.3
	12H	18.6	19.1	19.3	19.8	20.7	14.1	14.7	14.9	15.4	16.3
8H	4H	17.2	17.8	17.9	18.5	19.4	14.0	14.6	14.7	15.3	16.2
	6H	17.8	18.3	18.5	19.0	19.9	14.4	14.9	15.1	15.6	16.5
	8H	18.3	18.7	19.0	19.5	20.4	14.5	15.0	15.3	15.8	16.6
	12H	19.0	19.4	19.8	20.2	21.1	14.7	15.0	15.4	15.8	16.7
12H	4H	17.2	17.7	17.9	18.4	19.3	14.0	14.5	14.8	15.3	16.1
	6H	17.8	18.2	18.5	18.9	19.8	14.5	14.9	15.3	15.7	16.6
	8H	18.3	18.7	19.1	19.5	20.4	14.7	15.1	15.5	15.9	16.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	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°		5046.1	5040.7	5894.9	6909.8	4158.3	2929.3	2841.5	
50°		4694.1	4381.2	4264.0	5041.4	3141.7	2220.4	2196.7	
55°		4447.4	3975.1	3285.0	3508.3	2417.9	1800.9	1841.7	
60°		3915.5	3455.4	2608.5	2484.4	1936.6	1539.3	1635.8	
65°		2998.4	2674.1	2049.2	1866.4	1625.3	1372.0	1510.3	
70°		1990.4	1840.3	1584.3	1503.7	1420.0	1250.3	1415.7	
75°		1606.4	1502.9	1331.7	1303.7	1290.8	1137.2	1304.3	
80°		1858.7	1731.0	1428.3	1232.6	1225.4	1039.4	1148.1	
85°		2613.8	2437.6	1954.4	1485.0	1242.4	982.6	977.5	

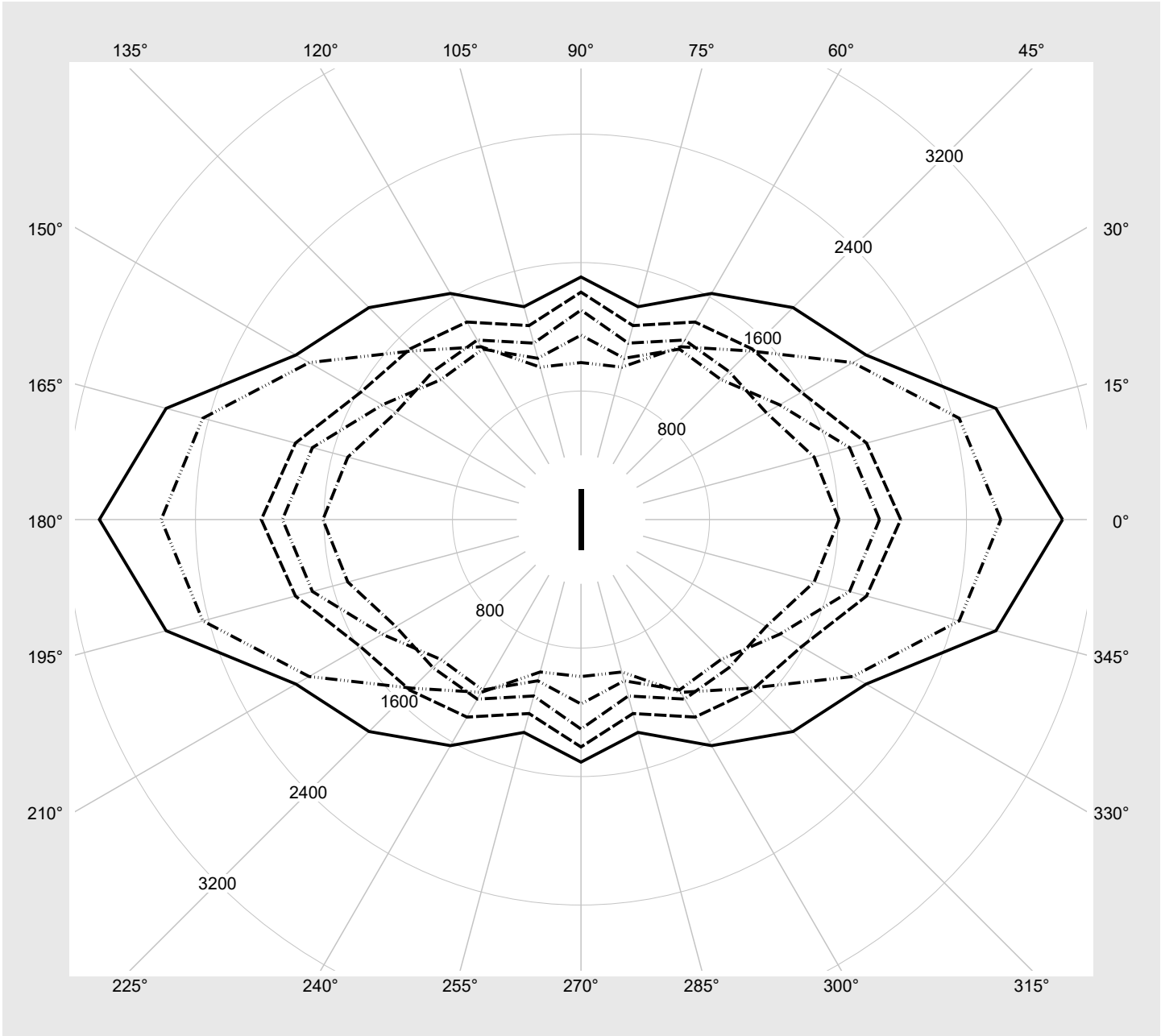
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4520	24.3
95	241	252	4296	23.1
90	228	250	4073	22.0
85	215	248	3847	20.8
80	202	246	3622	19.6
75	189	243	3395	18.4
70	176	241	3166	17.2
65	163	238	2936	16.0
60	150	235	2706	14.8
55	138	232	2494	13.7
50	125	228	2263	12.4
45	112	224	2031	11.2
40	100	220	1816	10.1
35	87	215	1582	9.0
30	74	209	1348	7.8
25	62	202	1130	6.7
20	50	194	909	5.6
15	37	183	671	4.3
10	25	169	451	3.1