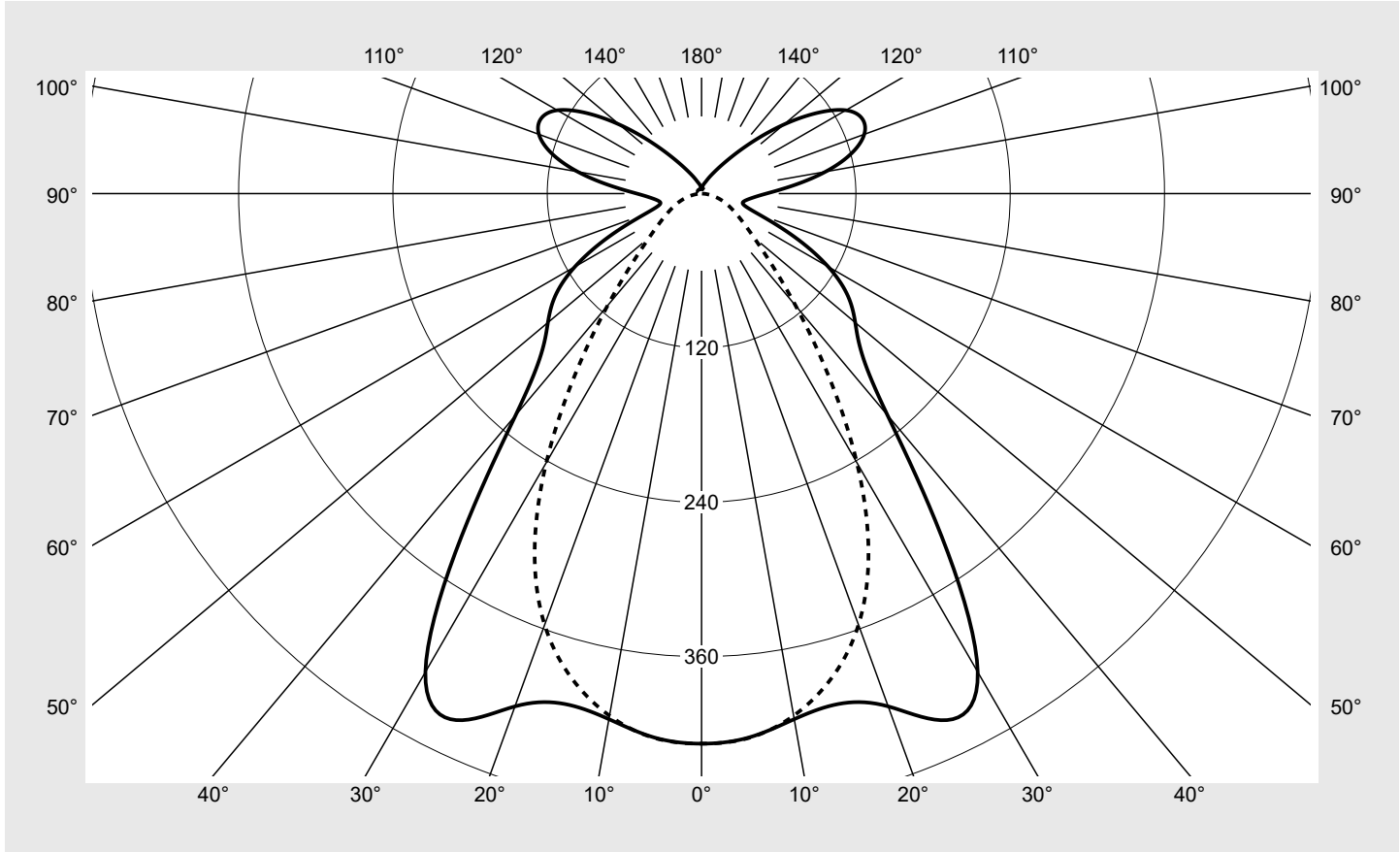


Photometric test report

Family Licross® 21 Performance	Order number: 52TM16DN445G EAN: 4058352903513	LP number 58520_392
	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 = 4500 lm Power consumption = 24.9 W Luminous efficacy = 180.7 lm/W	serial documentation 20.02.2024
		

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

Photometric test report

Family Licross® 21 Performance	Order number: 52TM16DN445G EAN: 4058352903513	LP number 58520_392
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

Photometric test report

Family Licross® 21 Performance	Order number: 52TM16DN445G EAN: 4058352903513	LP number 58520_392
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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	19.6	13.3	14.2	13.9	14.8	15.6
	8H	17.6	18.4	18.3	19.0	19.8	13.2	14.1	13.9	14.8	15.5
	12H	17.9	18.6	18.6	19.3	20.1	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	17.8	17.6	18.5	19.3	13.5	14.4	14.2	15.0	15.8
	4H	17.2	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	14.0	14.7	14.7	15.4	16.2
	8H	18.0	18.6	18.7	19.3	20.2	14.1	14.7	14.8	15.4	16.3
	12H	18.5	19.0	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	16.1
	6H	17.8	18.3	18.5	19.0	19.9	14.4	14.8	15.1	15.6	16.5
	8H	18.3	18.7	19.0	19.5	20.3	14.5	15.0	15.3	15.7	16.6
	12H	19.0	19.4	19.8	20.2	21.1	14.6	15.0	15.4	15.8	16.7
12H	4H	17.1	17.7	17.9	18.4	19.3	14.0	14.5	14.8	15.2	16.1
	6H	17.7	18.2	18.5	18.9	19.8	14.5	14.9	15.2	15.6	16.6
	8H	18.3	18.7	19.1	19.4	20.4	14.7	15.1	15.5	15.8	16.8

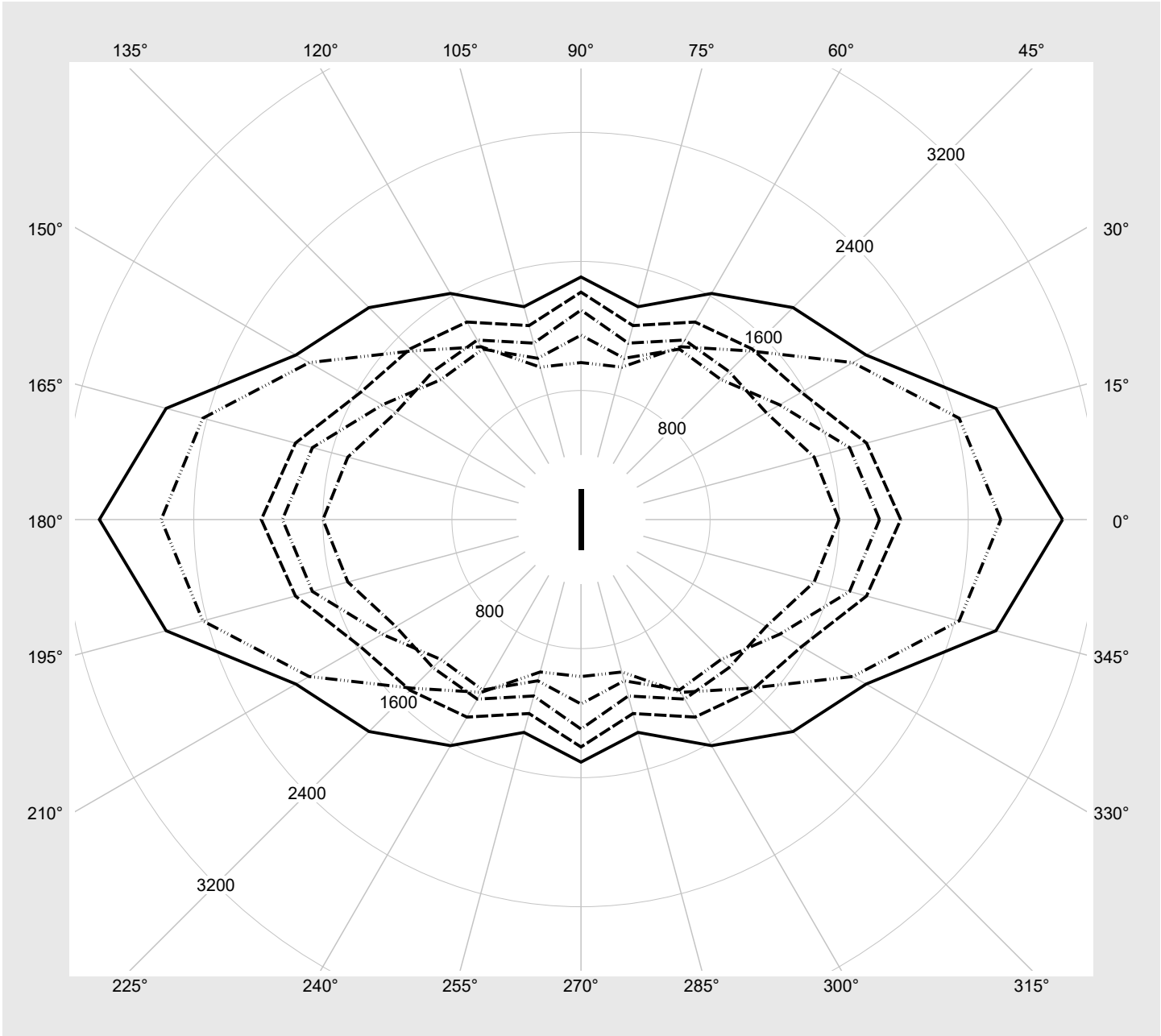
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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°	5023.8	5018.4	5868.8	6879.2	4139.9	2916.3	2828.9	
	50°	4673.3	4361.9	4245.2	5019.1	3127.8	2210.6	2187.0	
	55°	4427.7	3957.5	3270.4	3492.8	2407.2	1793.0	1833.6	
	60°	3898.2	3440.1	2596.9	2473.4	1928.0	1532.5	1628.5	
	65°	2985.1	2662.3	2040.1	1858.2	1618.1	1365.9	1503.6	
	70°	1981.6	1832.2	1577.3	1497.1	1413.8	1244.8	1409.5	
	75°	1599.3	1496.2	1325.8	1297.9	1285.1	1132.2	1298.5	
	80°	1850.5	1723.3	1422.0	1227.1	1220.0	1034.8	1143.0	
	85°	2602.2	2426.8	1945.7	1478.4	1236.9	978.2	973.2	

Photometric test report

Family Licross® 21 Performance	Order number: 52TM16DN445G EAN: 4058352903513	LP number 58520_392
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Licross® 21 Performance	Order number: 52TM16DN445G EAN: 4058352903513	LP number 58520_392
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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	4500	24.9
95	241	252	4276	23.7
90	228	250	4049	22.5
85	215	248	3824	21.4
80	202	246	3596	20.2
75	189	243	3369	19.0
70	176	241	3142	17.8
65	164	238	2928	16.6
60	151	235	2699	15.4
55	138	232	2470	14.2
50	126	228	2256	12.9
45	113	224	2024	11.7
40	100	220	1793	10.5
35	88	215	1577	9.4
30	75	209	1344	8.2
25	63	203	1128	7.0
20	50	194	891	5.8
18	46	191	819	5.4