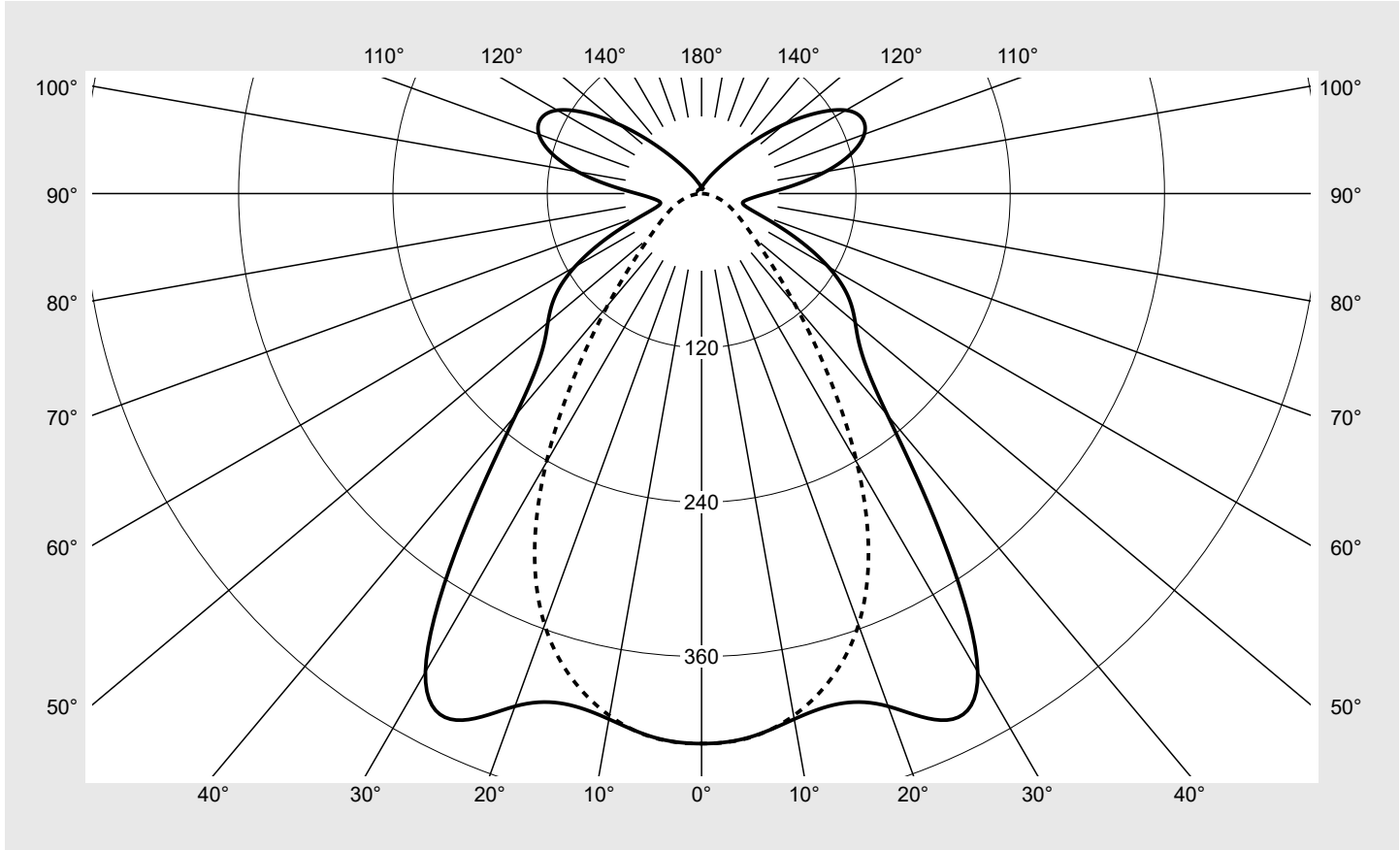


Photometric test report

Family Licross® 11 Performance	Order number: 51TD16VND45G EAN: 4058352971208	LP number 58520_389
	Version cover frosted, direct-/ indirect distribution, UGR≤19 (L65≤3000cd/m²) Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI CLO Rated values Net luminous flux = 4500 lm Power consumption = 26.3 W Luminous efficacy = 171.1 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® 11 Performance	Order number: 51TD16VND45G EAN: 4058352971208	LP number 58520_389
Table of values for luminous intensities		Maximum luminous intensity



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® 11 Performance	Order number: 51TD16VND45G EAN: 4058352971208	LP number 58520_389
--	--	-------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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

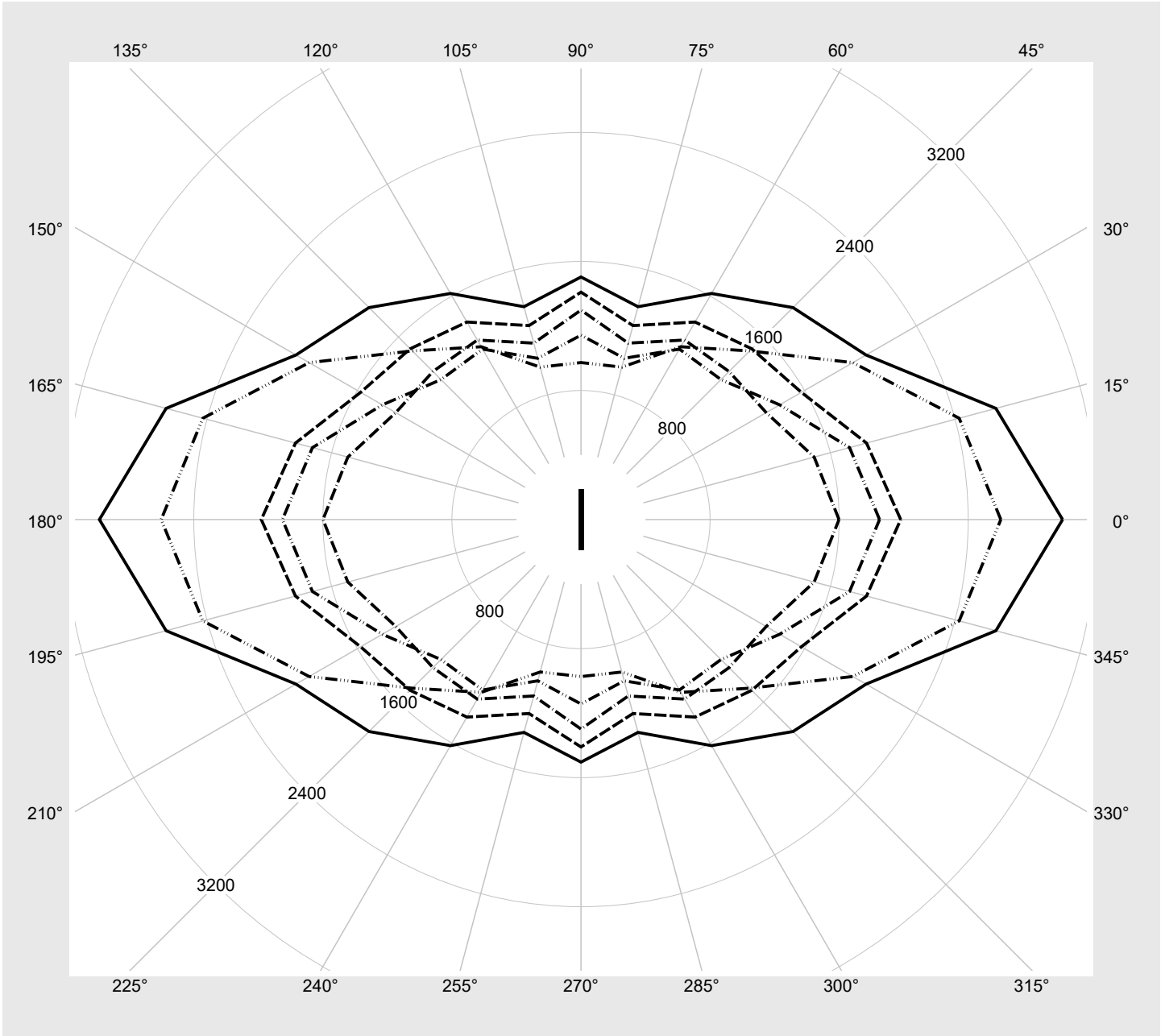
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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® 11 Performance	Order number: 51TD16VND45G EAN: 4058352971208	LP number 58520_389
--	--	--------------------------------------

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



Photometric test report

Family Licross® 11 Performance	Order number: 51TD16VND45G EAN: 4058352971208	LP number 58520_389
--	--	--------------------------------------

Dimming levels table	environmental temperature: 25°C	siteco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	4500	26.3	28.7	27.5
95	241	252	4281	25.1	27.4	26.2
90	227	250	4043	23.8	25.9	24.8
85	214	248	3822	22.6	24.6	23.6
80	201	245	3600	21.3	23.2	22.2
75	188	243	3375	20.0	21.9	21.0
70	175	240	3150	18.7	20.5	19.6
65	162	238	2924	17.5	19.0	18.2
60	149	234	2694	16.1	17.7	16.9
55	137	231	2484	14.9	16.3	15.6
50	124	228	2254	13.6	14.8	14.2
45	111	224	2024	12.2	13.4	12.8
40	98	219	1792	10.9	11.9	11.4
35	86	214	1576	9.7	10.6	10.1
30	73	208	1342	8.5	9.2	8.8
25	61	202	1125	7.3	7.9	7.6
20	49	194	904	6.0	6.6	6.3
15	36	182	666	4.7	5.1	4.9
10	24	168	446	3.3	3.5	3.4