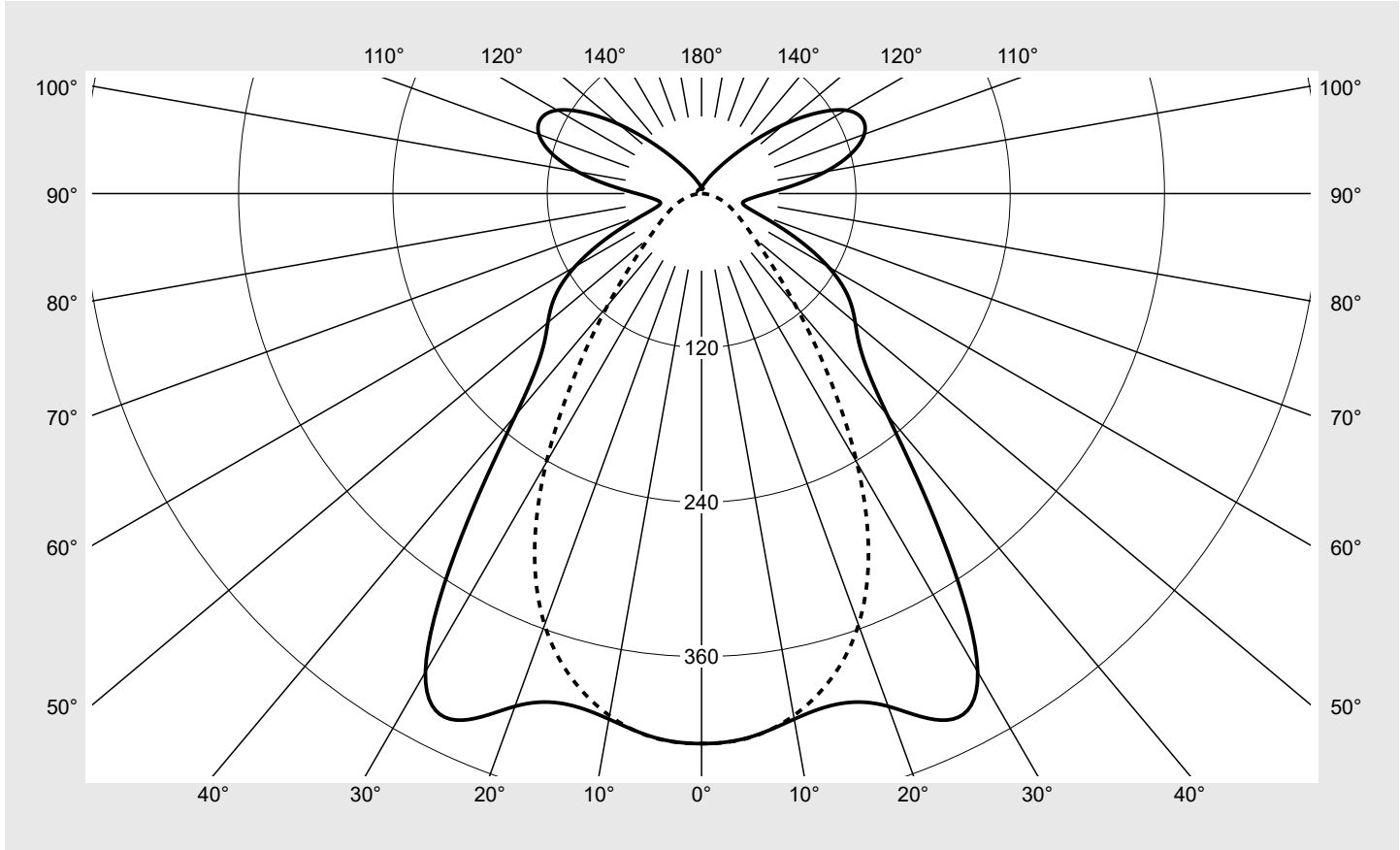


Photometric test report

Family Licross® 11 Performance	Order number: 51TD16VN465G EAN: 4058352971154	LP number 58520_353
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Rated values Net luminous flux = 6500 lm Power consumption = 34.9 W Luminous efficacy = 186.2 lm/W	serial documentation 05.10.2023
		

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: 51TD16VN465G EAN: 4058352971154	LP number 58520_353
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® 11 Performance	Order number: 51TD16VN465G EAN: 4058352971154	LP number 58520_353
--	--	-------------------------------

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	17.6	18.8	18.1	19.4	20.0	13.8	15.0	14.3	15.6	16.2
	3H	18.2	19.3	18.8	19.9	20.6	14.2	15.3	14.8	15.9	16.6
	4H	18.3	19.3	19.0	20.0	20.7	14.4	15.4	15.0	16.0	16.7
	6H	18.6	19.5	19.3	20.2	20.9	14.5	15.5	15.2	16.1	16.8
	8H	18.8	19.6	19.5	20.3	21.1	14.5	15.4	15.2	16.1	16.8
	12H	19.2	19.9	19.9	20.6	21.4	14.5	15.4	15.2	16.0	16.8
4H	2H	17.6	18.6	18.2	19.2	19.9	14.2	15.2	14.9	15.9	16.6
	3H	18.3	19.1	18.9	19.8	20.5	14.8	15.7	15.5	16.3	17.1
	4H	18.5	19.3	19.2	20.0	20.8	15.1	15.9	15.8	16.5	17.3
	6H	18.9	19.6	19.7	20.3	21.1	15.3	16.0	16.0	16.7	17.5
	8H	19.3	19.9	20.0	20.6	21.5	15.4	16.0	16.1	16.7	17.6
	12H	19.8	20.3	20.6	21.1	21.9	15.4	16.0	16.1	16.7	17.5
8H	4H	18.5	19.1	19.2	19.8	20.6	15.3	15.8	16.0	16.6	17.4
	6H	19.0	19.5	19.8	20.3	21.2	15.6	16.1	16.4	16.9	17.8
	8H	19.5	20.0	20.3	20.7	21.6	15.8	16.3	16.6	17.0	17.9
	12H	20.3	20.7	21.1	21.4	22.4	15.9	16.3	16.7	17.1	18.0
12H	4H	18.4	19.0	19.2	19.7	20.6	15.3	15.8	16.0	16.5	17.4
	6H	19.0	19.5	19.8	20.2	21.1	15.7	16.2	16.5	16.9	17.8
	8H	19.6	19.9	20.3	20.7	21.6	16.0	16.3	16.8	17.1	18.0

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°		7256.6	7248.8	8477.2	9936.6	5979.9	4212.4	4086.2	
50°		6750.3	6300.5	6131.9	7249.7	4517.9	3193.1	3159.0	
55°		6395.5	5716.4	4724.0	5045.1	3477.0	2589.8	2648.5	
60°		5630.7	4969.1	3751.1	3572.6	2784.9	2213.7	2352.3	
65°		4311.8	3845.5	2946.8	2684.0	2337.3	1973.0	2171.9	
70°		2862.4	2646.5	2278.3	2162.4	2042.1	1798.0	2035.9	
75°		2310.2	2161.2	1915.1	1874.7	1856.2	1635.3	1875.6	
80°		2673.0	2489.3	2054.0	1772.5	1762.2	1494.7	1651.0	
85°		3758.8	3505.3	2810.5	2135.5	1786.6	1413.0	1405.7	

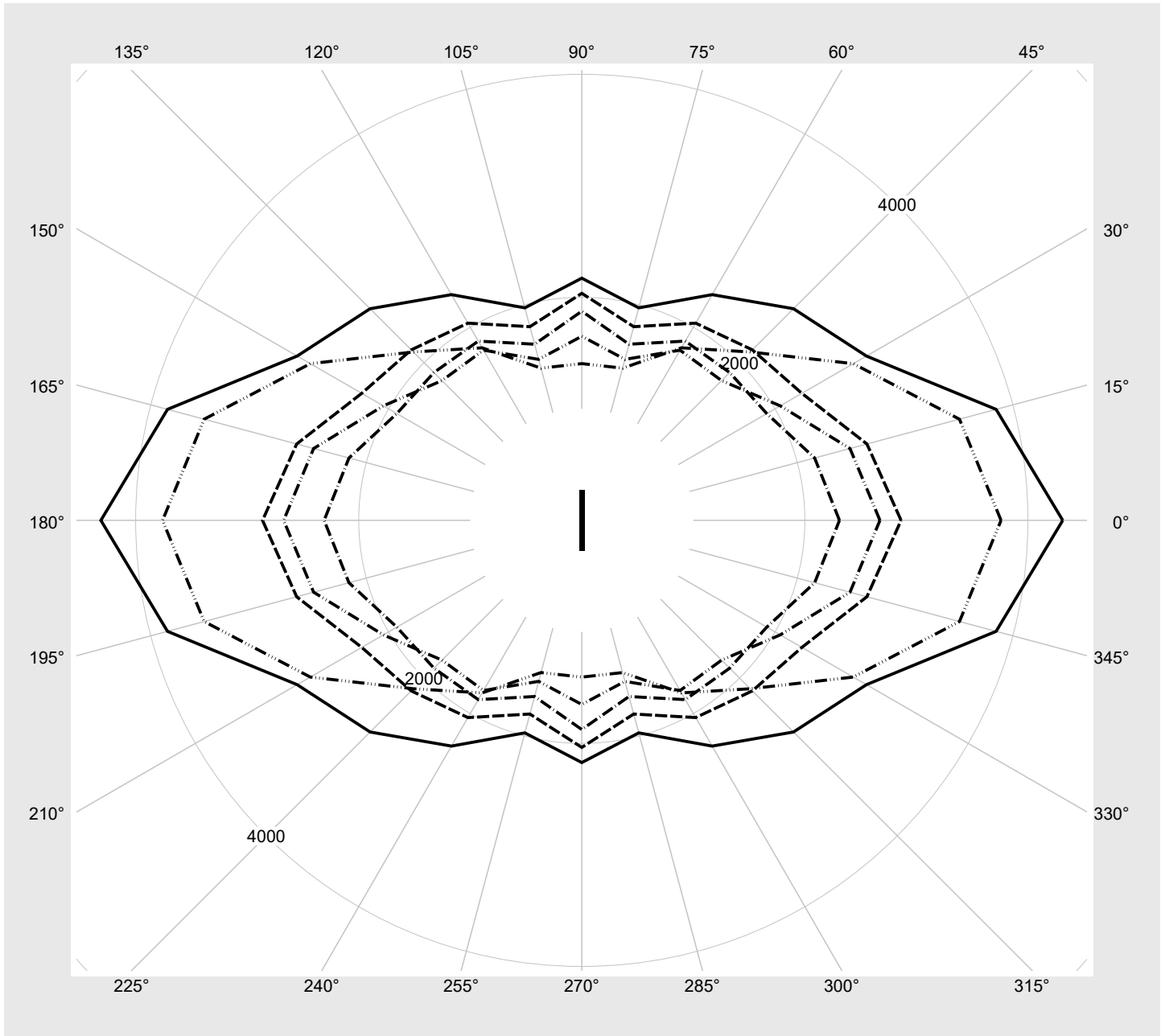
Photometric test report

Family Licross® 11 Performance	Order number: 51TD16VN465G EAN: 4058352971154	LP number 58520_353
---	--	--------------------------------------

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: 51TD16VN465G EAN: 4058352971154	LP number 58520_353
--	--	--------------------------------------

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	6500	34.9	38.4	36.6
95	241	252	6185	33.1	36.5	34.8
90	227	250	5843	31.2	34.3	32.8
85	214	248	5524	29.4	32.4	30.9
80	201	245	5202	27.8	30.3	29.0
75	188	243	4877	26.2	28.5	27.4
70	175	240	4552	24.5	26.7	25.6
65	162	238	4226	22.8	24.9	23.8
60	149	234	3897	21.1	23.1	22.1
55	136	231	3567	19.4	21.2	20.3
50	124	228	3260	17.7	19.4	18.5
45	111	224	2924	16.0	17.5	16.8
40	98	219	2588	14.2	15.5	14.8
35	86	214	2276	12.5	13.8	13.2
30	74	209	1963	10.9	11.9	11.4
25	61	202	1622	9.2	10.0	9.6
20	49	194	1305	7.6	8.3	8.0
15	37	183	985	6.0	6.5	6.2
10	25	169	663	4.3	4.6	4.4
7	18	157	475	3.2	3.5	3.4