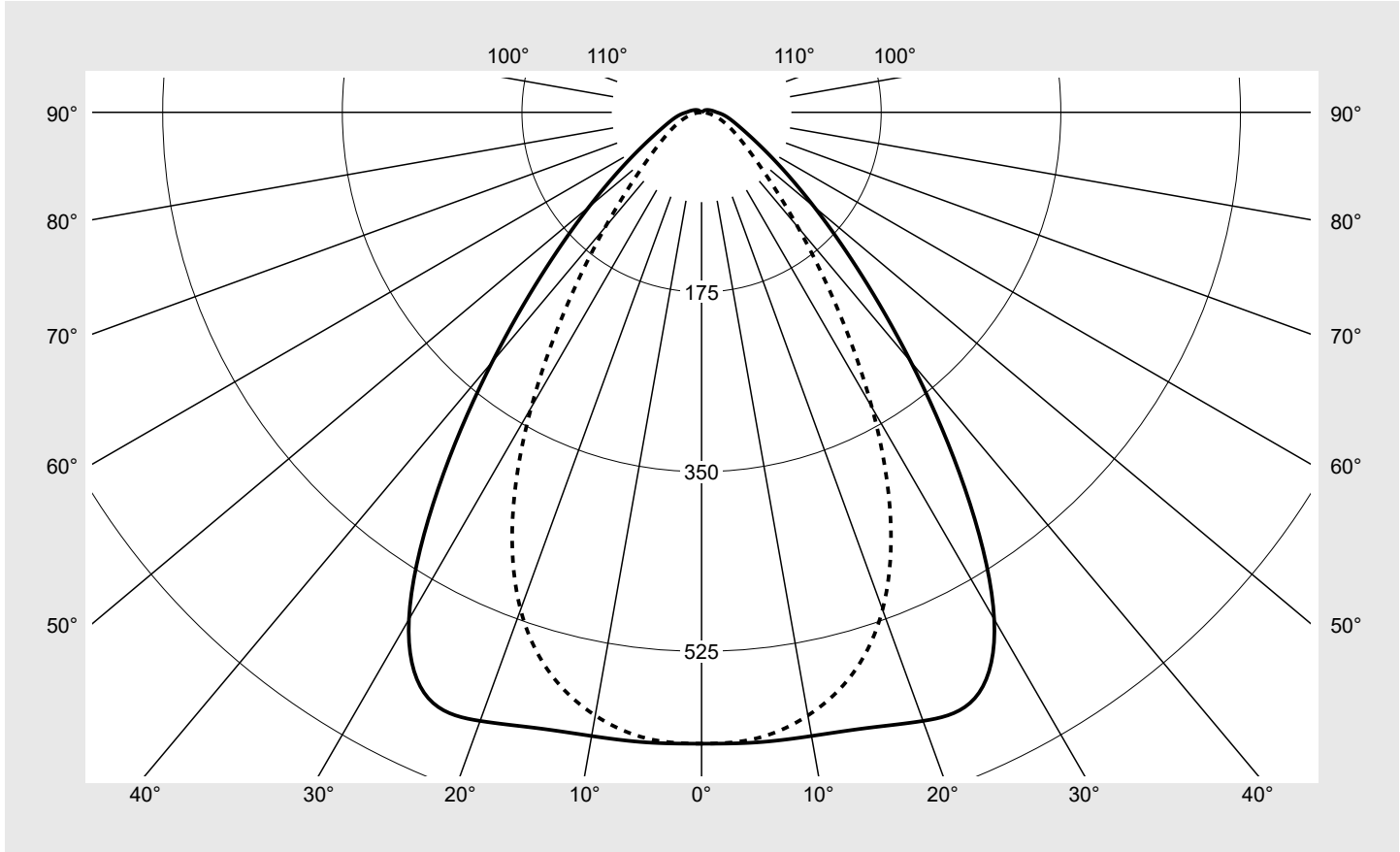


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TD12VN455F</b> <b>EAN: 4058352749975</b>	<b>LP number</b> <b>58524_209</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI CLO <b>Rated values</b> Net luminous flux = 5500 lm Power consumption = 33.9 W Luminous efficacy = 162.2 lm/W	<b>serial documentation</b> <b>08.11.2022</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	98.6%
$\phi_o$	1.4%

Measurement conditions
DIN EN 13032 and DIN 5032

## Photometric test report

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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

## Photometric test report

Family <b>Licross® 11 Protected</b>	Order number: <b>51TD12VN455F</b> EAN: <b>4058352749975</b>	LP number <b>58524_209</b>
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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	19.2	20.6	19.6	20.9	21.3	15.9	17.4	16.3	17.7	18.0
	3H	19.6	20.9	20.0	21.2	21.6	16.3	17.6	16.7	17.9	18.3
	4H	19.9	21.0	20.3	21.4	21.7	16.4	17.6	16.8	18.0	18.4
	6H	20.1	21.2	20.6	21.6	21.9	16.6	17.7	17.0	18.0	18.4
	8H	20.4	21.3	20.8	21.7	22.1	16.7	17.7	17.1	18.0	18.4
	12H	20.5	21.4	21.0	21.8	22.2	16.7	17.6	17.1	18.0	18.4
4H	2H	19.2	20.4	19.6	20.8	21.2	16.5	17.6	16.9	18.0	18.3
	3H	19.8	20.8	20.2	21.2	21.6	16.9	17.9	17.4	18.3	18.7
	4H	20.1	21.0	20.6	21.4	21.9	17.2	18.0	17.6	18.5	18.9
	6H	20.5	21.3	21.0	21.7	22.2	17.4	18.1	17.8	18.6	19.0
	8H	20.8	21.5	21.3	21.9	22.4	17.4	18.1	17.9	18.6	19.0
	12H	21.1	21.6	21.6	22.1	22.6	17.5	18.1	18.0	18.6	19.1
8H	4H	20.1	20.8	20.6	21.3	21.8	17.4	18.1	17.9	18.5	19.0
	6H	20.6	21.2	21.1	21.7	22.2	17.7	18.2	18.2	18.7	19.2
	8H	21.0	21.5	21.5	21.9	22.5	17.8	18.3	18.3	18.8	19.3
	12H	21.4	21.8	21.9	22.3	22.8	17.9	18.3	18.4	18.8	19.4
12H	4H	20.1	20.8	20.6	21.2	21.7	17.5	18.0	18.0	18.5	19.0
	6H	20.7	21.1	21.2	21.6	22.2	17.8	18.2	18.3	18.7	19.3
	8H	21.0	21.4	21.5	21.9	22.5	17.9	18.3	18.4	18.8	19.4

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		12355.3	13131.2	14372.2	12939.7	9184.9	6822.2	6336.0	
50°		8846.7	9453.2	10557.8	9413.4	6587.8	4989.3	4748.1	
55°		6478.6	6893.1	7704.2	6761.2	4810.5	3885.9	3846.5	
60°		4957.2	5185.4	5658.0	5015.5	3726.5	3195.2	3283.7	
65°		4073.0	4151.2	4300.4	3847.6	3057.9	2749.3	2897.2	
70°		3622.0	3577.2	3435.9	3096.6	2636.2	2432.7	2613.4	
75°		3462.6	3303.0	2938.0	2610.6	2327.6	2157.5	2346.5	
80°		3500.4	3258.3	2734.1	2319.6	2094.4	1935.3	2086.0	
85°		3700.8	3419.7	2773.3	2274.4	2001.0	1768.8	1883.8	

**Photometric test report**

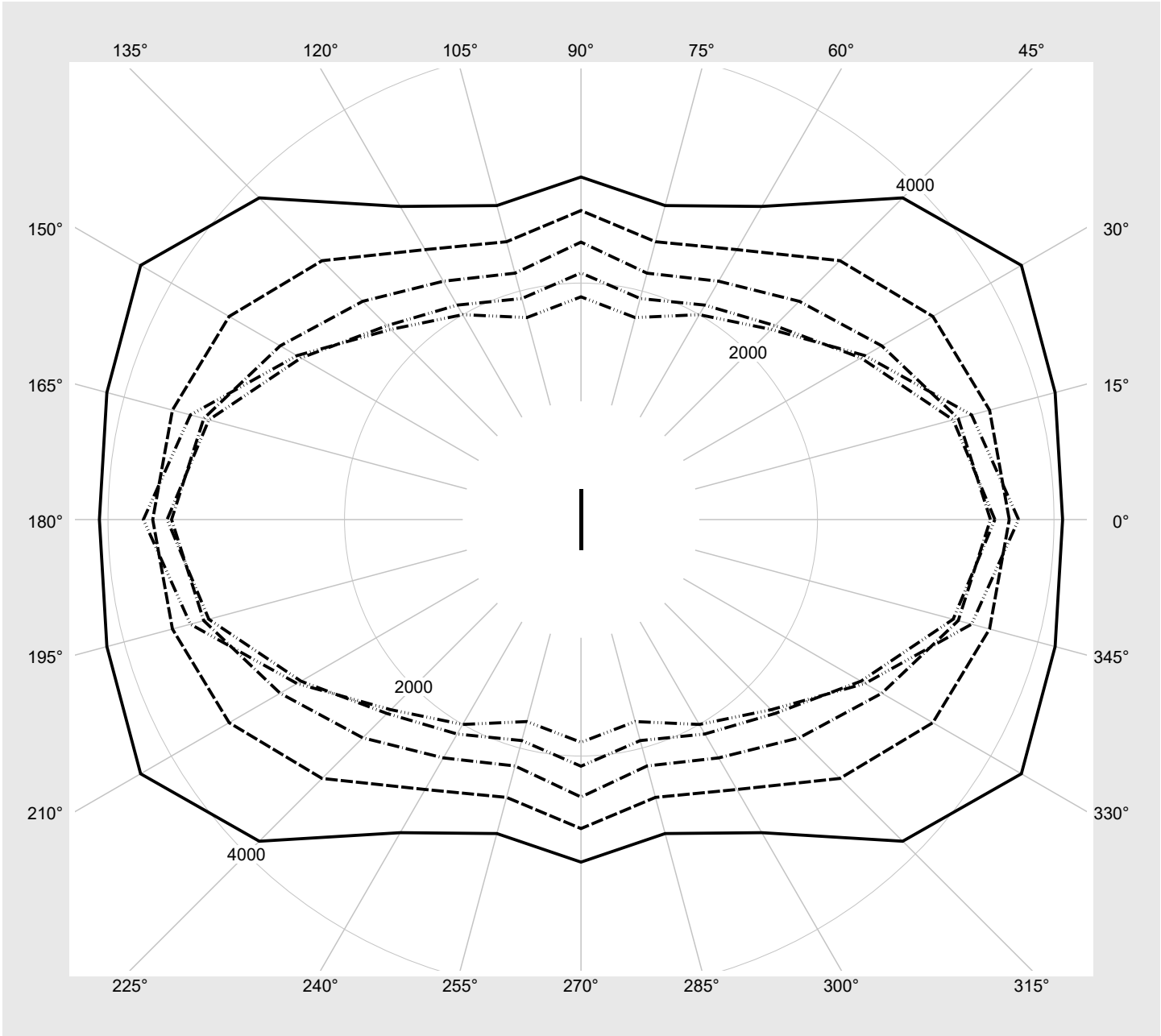
**Family**  
Licross® 11 Protected

**Order number: 51TD12VN455F**  
**EAN: 4058352749975**

**LP number**  
**58524\_209**

**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°



## Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TD12VN455F</b> <b>EAN: 4058352749975</b>	<b>LP number</b> <b>58524_209</b>
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
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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	5500	33.9	38.7	36.3
95	241	252	5228	32.2	36.8	34.5
90	228	250	4956	30.5	34.9	32.7
85	214	248	4665	28.7	32.8	30.8
80	201	245	4390	27.1	30.9	29.0
75	189	243	4135	25.6	29.2	27.4
70	176	241	3859	24.0	27.2	25.6
65	163	238	3583	22.4	25.4	23.9
60	150	235	3303	20.7	23.5	22.1
55	137	231	3024	19.1	21.6	20.4
50	124	228	2741	17.4	19.8	18.6
45	112	224	2478	15.9	18.0	17.0
40	99	219	2195	14.2	16.1	15.2
35	87	215	1928	12.8	14.4	13.6
30	74	209	1640	11.2	12.5	11.8
25	62	202	1372	9.8	10.9	10.4
20	50	194	1106	8.3	9.2	8.8
15	38	184	834	6.8	7.5	7.2
10	25	169	543	5.2	5.6	5.4
5	13	145	274	3.8	4.0	3.9
3	7	122	143	3.0	3.2	3.1