

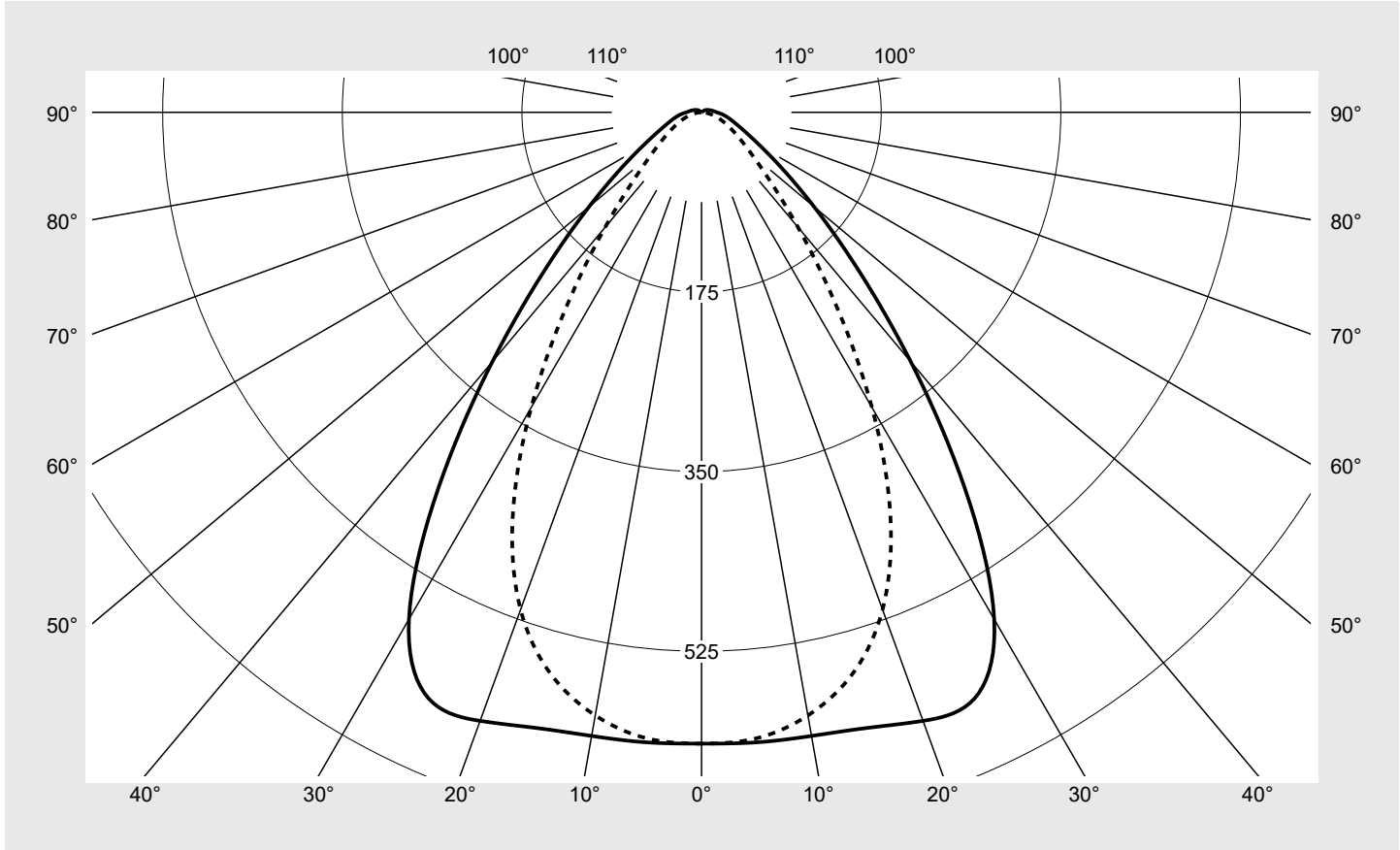


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12DN595G</b> <b>EAN: 4069025220691</b>	<b>LP number</b> <b>58524_296</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 5000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 9820 lm Power consumption = 57.1 W Luminous efficacy = 172 lm/W	<b>serial</b> <b>documentation</b> <b>26.08.2024</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

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

C-planes $\gamma$	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

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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	21.2	22.6	21.6	22.9	23.3	18.0	19.4	18.3	19.7	20.0
	3H	21.6	22.9	22.0	23.2	23.6	18.3	19.6	18.7	19.9	20.3
	4H	21.9	23.0	22.3	23.4	23.7	18.5	19.7	18.8	20.0	20.4
	6H	22.2	23.2	22.6	23.6	24.0	18.6	19.7	19.0	20.1	20.4
	8H	22.4	23.3	22.8	23.7	24.1	18.7	19.7	19.1	20.1	20.5
	12H	22.6	23.4	23.0	23.8	24.2	18.7	19.6	19.1	20.0	20.4
4H	2H	21.3	22.5	21.7	22.8	23.2	18.5	19.6	18.9	20.0	20.4
	3H	21.8	22.8	22.2	23.2	23.6	19.0	19.9	19.4	20.3	20.7
	4H	22.1	23.0	22.6	23.4	23.9	19.2	20.1	19.6	20.5	20.9
	6H	22.6	23.3	23.0	23.7	24.2	19.4	20.1	19.8	20.6	21.0
	8H	22.8	23.5	23.3	23.9	24.4	19.4	20.1	19.9	20.6	21.1
	12H	23.1	23.6	23.6	24.1	24.6	19.5	20.1	20.0	20.6	21.1
8H	4H	22.2	22.9	22.6	23.3	23.8	19.4	20.1	19.9	20.5	21.0
	6H	22.7	23.2	23.2	23.7	24.2	19.7	20.2	20.2	20.7	21.2
	8H	23.0	23.5	23.5	24.0	24.5	19.8	20.3	20.3	20.8	21.3
	12H	23.4	23.8	23.9	24.3	24.8	19.9	20.3	20.4	20.8	21.4
12H	4H	22.2	22.8	22.6	23.2	23.7	19.5	20.0	20.0	20.5	21.0
	6H	22.7	23.2	23.2	23.6	24.2	19.8	20.3	20.3	20.7	21.3
	8H	23.0	23.4	23.5	23.9	24.5	19.9	20.3	20.5	20.8	21.4

<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°	22059.8	23445.1	25661.0	23103.3	16399.1	12180.7	11312.6	
	50°	15795.3	16878.2	18850.5	16807.3	11762.2	8908.2	8477.5	
	55°	11567.2	12307.3	13755.5	12071.8	8588.9	6938.1	6867.7	
	60°	8850.8	9258.4	10102.1	8955.0	6653.5	5705.0	5862.9	
	65°	7272.1	7411.7	7678.2	6869.7	5459.7	4908.7	5172.8	
	70°	6466.8	6386.9	6134.7	5528.8	4706.7	4343.4	4666.2	
	75°	6182.3	5897.4	5245.7	4661.0	4155.9	3852.1	4189.5	
	80°	6249.8	5817.5	4881.6	4141.6	3739.4	3455.3	3724.5	
	85°	6607.7	6105.8	4951.6	4060.8	3572.7	3158.1	3363.4	

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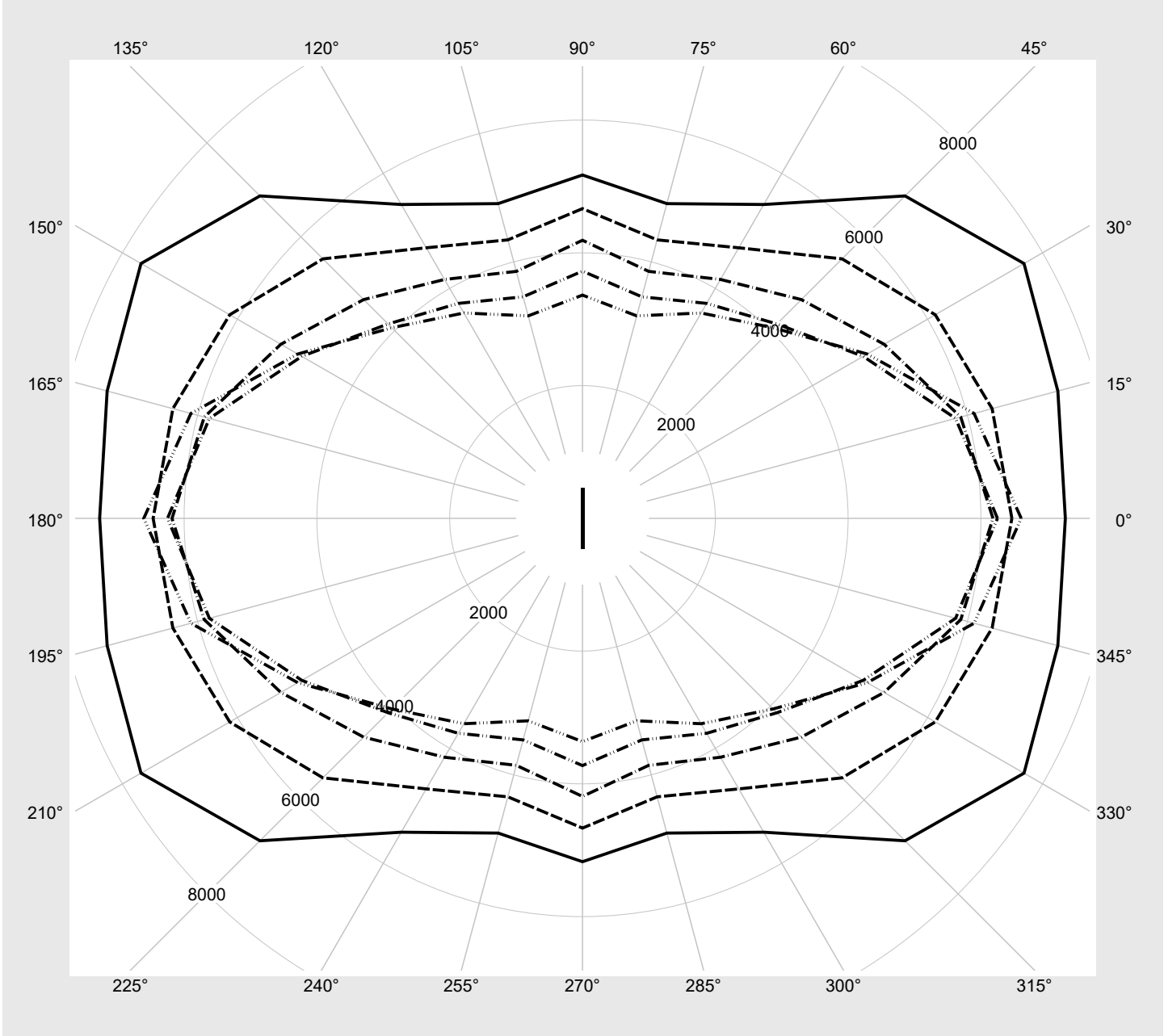
**Family**  
Licross® 11 Protected

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**EAN: 4069025220691**

**LP number**  
**58524\_296**

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

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



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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]
100	254	254	9820	57.1
95	240	252	9321	53.8
90	227	250	8855	50.9
85	213	248	8344	47.7
80	200	245	7869	44.8
75	186	243	7352	41.7
70	173	240	6866	38.7
65	160	237	6377	35.9
60	147	234	5884	33.0
55	134	231	5387	30.1
50	122	227	4922	27.5
45	109	223	4416	24.7
40	97	219	3946	22.2
35	84	213	3432	19.5
30	72	208	2950	17.0
25	60	201	2468	14.5
20	48	193	1981	11.9
15	36	182	1491	9.4
10	24	168	995	6.9
5	12	142	494	4.5
2	4	102	159	3.0