

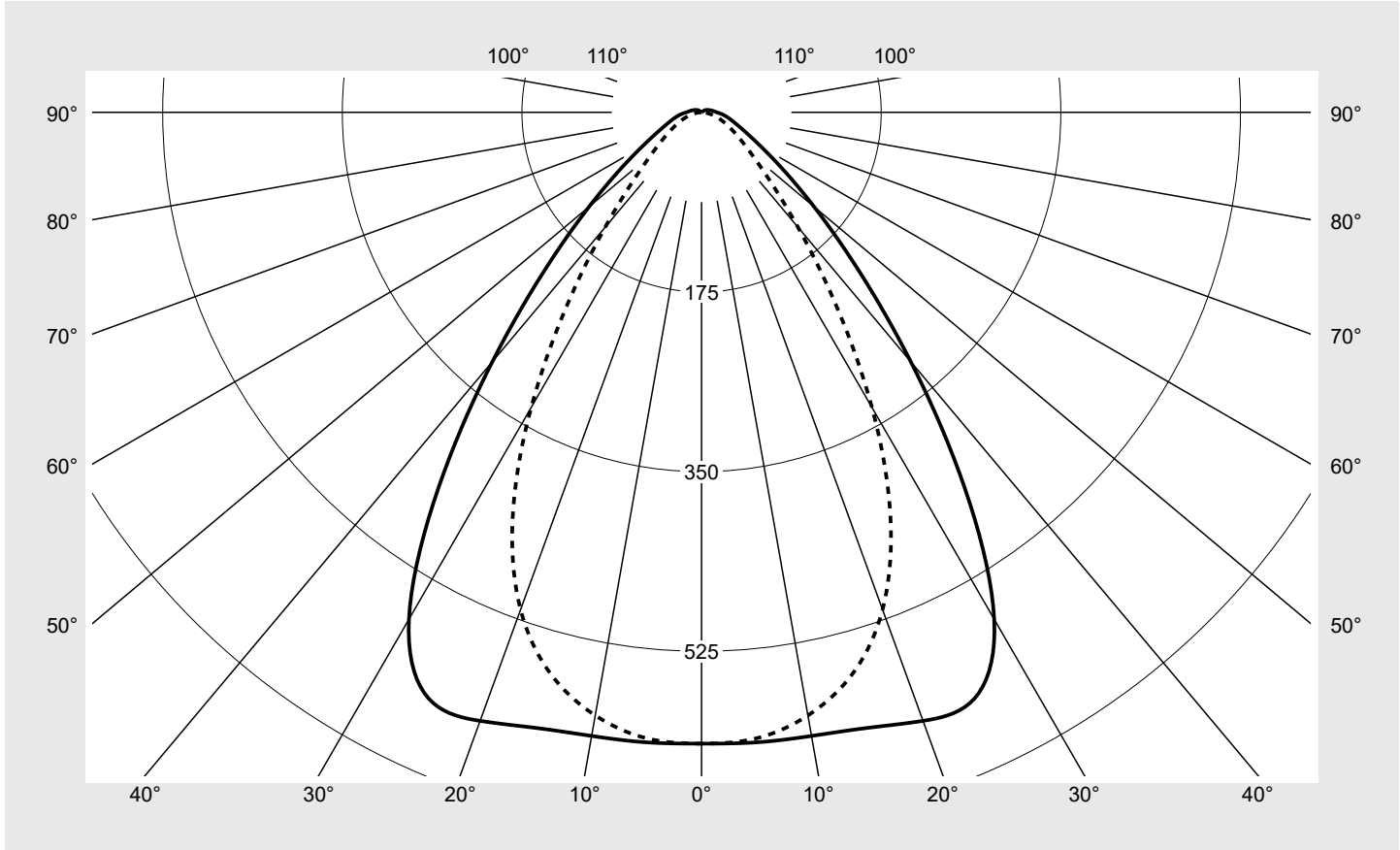


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12DN495G3S4</b> <b>EAN: 4058352935286</b>	<b>LP number</b> <b>58524_281</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Setting</b> AC-mode <b>Rated values</b> Net luminous flux = 9980 lm Power consumption = 60.9 W Luminous efficacy = 163.9 lm/W	<b>serial documentation</b> <b>29.09.2023</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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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<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	21.3	22.7	21.6	23.0	23.3	18.0	19.4	18.4	19.7	20.1
	3H	21.7	22.9	22.1	23.3	23.6	18.4	19.6	18.7	20.0	20.3
	4H	21.9	23.1	22.3	23.4	23.8	18.5	19.7	18.9	20.1	20.4
	6H	22.2	23.3	22.6	23.6	24.0	18.6	19.7	19.0	20.1	20.5
	8H	22.4	23.4	22.9	23.7	24.1	18.7	19.7	19.1	20.1	20.5
	12H	22.6	23.5	23.0	23.8	24.3	18.7	19.7	19.2	20.1	20.5
4H	2H	21.3	22.5	21.7	22.9	23.2	18.5	19.7	18.9	20.0	20.4
	3H	21.9	22.9	22.3	23.3	23.7	19.0	20.0	19.4	20.4	20.8
	4H	22.2	23.1	22.6	23.5	23.9	19.2	20.1	19.7	20.5	21.0
	6H	22.6	23.4	23.1	23.8	24.3	19.4	20.2	19.9	20.6	21.1
	8H	22.9	23.5	23.3	24.0	24.5	19.5	20.2	20.0	20.6	21.1
	12H	23.1	23.7	23.6	24.2	24.7	19.6	20.2	20.0	20.6	21.1
8H	4H	22.2	22.9	22.7	23.4	23.8	19.5	20.1	19.9	20.6	21.1
	6H	22.7	23.3	23.2	23.8	24.3	19.7	20.3	20.2	20.8	21.3
	8H	23.0	23.5	23.5	24.0	24.5	19.9	20.4	20.4	20.8	21.4
	12H	23.4	23.8	23.9	24.3	24.9	20.0	20.4	20.5	20.9	21.4
12H	4H	22.2	22.8	22.7	23.3	23.8	19.5	20.1	20.0	20.6	21.1
	6H	22.7	23.2	23.2	23.7	24.2	19.9	20.3	20.4	20.8	21.3
	8H	23.1	23.5	23.6	24.0	24.5	20.0	20.4	20.5	20.9	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°	22419.2	23827.1	26079.1	23479.7	16666.3	12379.1	11497.0	
	50°	16052.7	17153.2	19157.6	17081.1	11953.8	9053.3	8615.6	
	55°	11755.6	12507.8	13979.7	12268.5	8728.8	7051.2	6979.6	
	60°	8995.0	9409.2	10266.7	9100.9	6762.0	5797.9	5958.4	
	65°	7390.6	7532.5	7803.3	6981.6	5548.7	4988.7	5257.1	
	70°	6572.2	6491.0	6234.7	5618.9	4783.4	4414.2	4742.2	
	75°	6283.0	5993.5	5331.2	4737.0	4223.6	3914.8	4257.8	
	80°	6351.6	5912.3	4961.1	4209.1	3800.3	3511.6	3785.2	
	85°	6715.4	6205.2	5032.3	4126.9	3630.9	3209.5	3418.2	

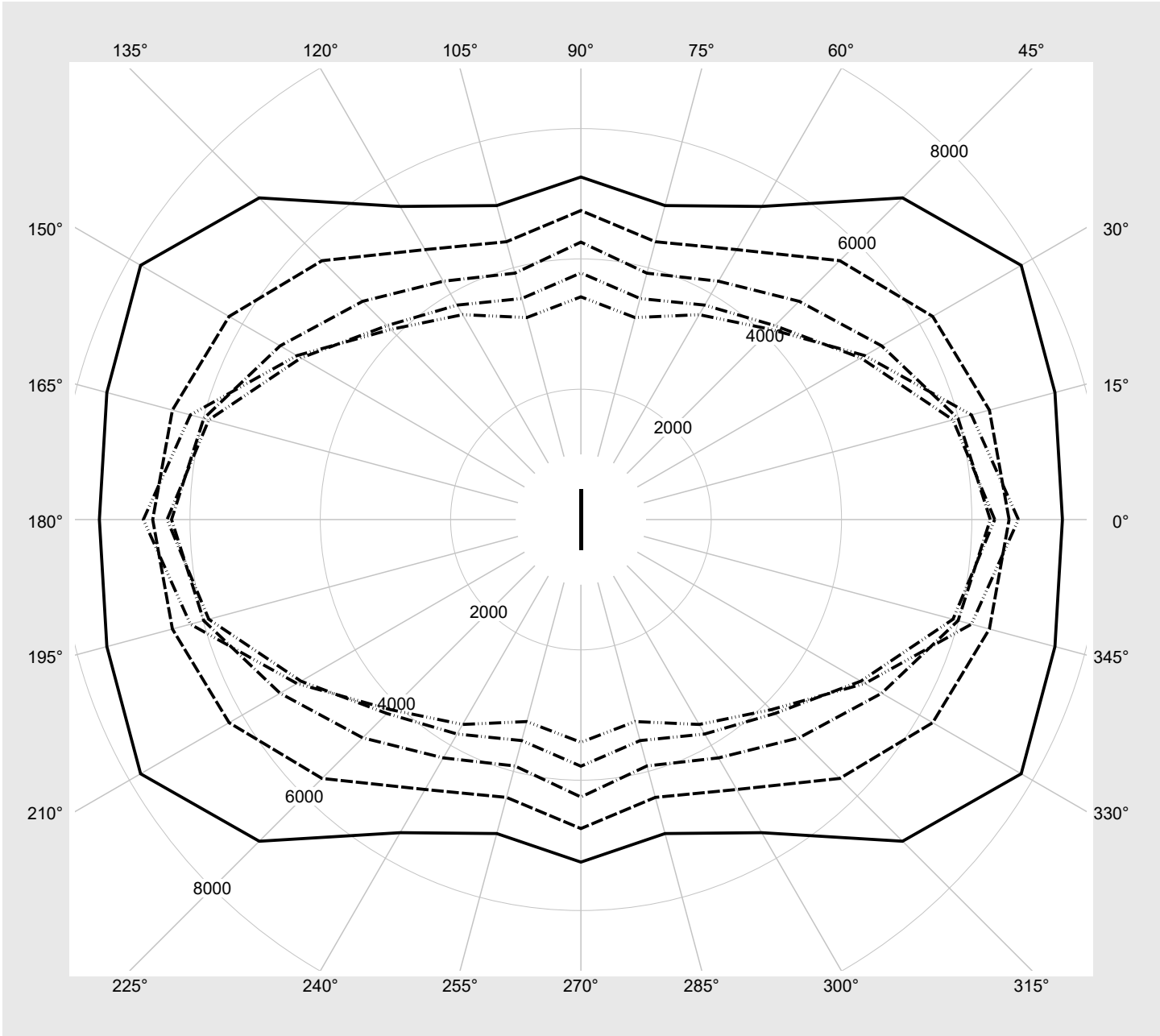
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**Luminance values in cd/m<sup>2</sup>**

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



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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	9980	60.9
95	240	252	9474	57.6
90	226	250	8964	54.5
85	213	248	8483	51.5
80	200	245	8000	48.6
75	186	243	7475	45.5
70	173	240	6982	42.5
65	160	237	6485	39.7
60	147	234	5984	36.8
55	134	231	5480	33.9
50	122	227	5007	31.3
45	109	223	4493	28.5
40	96	218	3975	25.8
35	84	213	3492	23.3
30	72	208	3002	20.8
25	60	201	2512	18.3
20	47	192	1975	15.5
15	36	182	1517	13.2
10	24	168	1013	10.7
5	12	142	503	8.3
2	4	102	162	6.8