


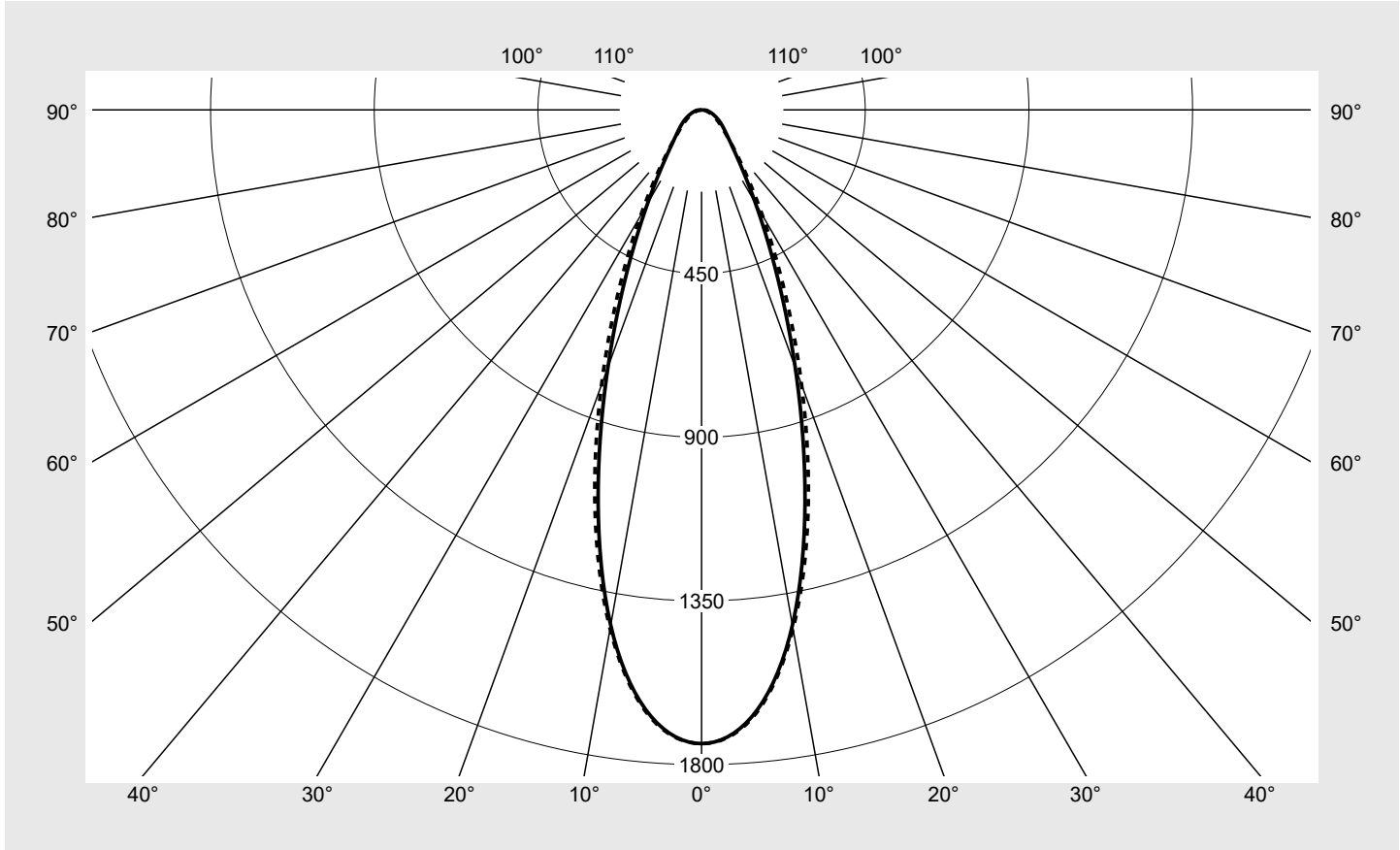
# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP11DN695G</b> <b>EAN: 4058352070246</b>	<b>LP number</b> <b>58526_242</b>
	<b>Version</b> prismatic cover, frosted, narrow distribution <b>Lamps</b> LED 6500 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 9680 lm Power consumption = 57.1 W Luminous efficacy = 169.5 lm/W	<b>serial documentation</b> <b>21.02.2024</b>





**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 1742 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=83 N2=94 N3=98 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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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°	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	10.4	10.4
5°	1666.1	1675.3	1660.6	1665.8	1671.6	1669.6	1670.7	79.7	90.1
10°	1438.7	1454.0	1443.6	1449.9	1452.8	1449.1	1448.5	137.9	228.0
15°	1099.0	1113.1	1114.3	1128.7	1137.3	1134.2	1132.4	159.4	387.5
20°	752.6	761.9	768.4	788.3	803.8	805.8	803.7	147.1	534.5
25°	477.8	482.8	489.1	506.4	523.2	529.8	529.1	117.2	651.7
30°	296.4	297.2	300.0	310.9	324.6	332.2	333.5	85.9	737.6
35°	189.3	187.5	185.3	189.4	198.7	205.9	208.7	61.1	798.7
40°	131.6	127.9	121.5	120.2	125.3	132.4	136.6	44.7	843.4
45°	99.4	94.4	85.5	81.0	83.2	90.3	95.8	34.4	877.7
50°	79.8	74.4	64.7	58.7	59.3	65.8	72.1	27.9	905.7
55°	65.2	60.1	51.3	45.2	44.8	50.3	56.0	23.4	929.0
60°	52.4	48.1	41.3	36.1	35.0	38.9	43.4	19.6	948.6
65°	41.2	37.9	33.1	29.2	27.7	29.8	32.8	16.1	964.7
70°	31.9	29.5	26.2	23.4	21.7	22.1	23.6	12.9	977.6
75°	24.4	22.6	20.2	18.2	16.5	15.4	15.7	10.0	987.6
80°	18.3	17.0	15.2	13.6	11.8	9.9	9.2	7.3	994.9
85°	13.3	12.5	11.1	9.7	7.7	5.4	4.2	5.0	1000.0
90°	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	16.5	17.7	16.8	18.0	18.3	16.3	17.6	16.7	17.9	18.2
	3H	17.6	18.7	18.0	19.0	19.4	17.2	18.3	17.6	18.6	19.0
	4H	18.1	19.1	18.5	19.5	19.8	17.6	18.6	18.0	19.0	19.3
	6H	18.6	19.5	19.0	19.9	20.3	17.9	18.8	18.3	19.2	19.6
	8H	18.9	19.7	19.4	20.1	20.5	18.1	18.8	18.5	19.2	19.6
	12H	19.2	19.9	19.6	20.3	20.7	18.1	18.9	18.6	19.2	19.7
4H	2H	16.7	17.7	17.1	18.1	18.4	16.6	17.6	17.0	17.9	18.3
	3H	18.0	18.8	18.4	19.2	19.7	17.6	18.5	18.0	18.9	19.3
	4H	18.7	19.4	19.1	19.8	20.3	18.1	18.9	18.5	19.3	19.7
	6H	19.3	19.9	19.8	20.4	20.8	18.5	19.1	19.0	19.6	20.1
	8H	19.6	20.2	20.1	20.6	21.1	18.7	19.2	19.1	19.7	20.2
	12H	20.0	20.4	20.5	20.9	21.4	18.8	19.3	19.3	19.7	20.2
8H	4H	18.8	19.4	19.3	19.8	20.3	18.3	18.9	18.8	19.3	19.8
	6H	19.6	20.1	20.1	20.5	21.1	18.9	19.3	19.3	19.8	20.3
	8H	20.0	20.4	20.5	20.9	21.4	19.1	19.5	19.6	20.0	20.5
	12H	20.5	20.8	21.0	21.3	21.9	19.3	19.6	19.8	20.1	20.7
12H	4H	18.9	19.3	19.4	19.8	20.3	18.4	18.8	18.9	19.3	19.8
	6H	19.7	20.0	20.2	20.5	21.1	19.0	19.3	19.5	19.8	20.3
	8H	20.1	20.5	20.7	21.0	21.5	19.2	19.6	19.7	20.1	20.6

<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°	10106.2	9643.1	8857.5	8595.6	9112.0	10264.3	11356.3	
	50°	8685.0	8139.5	7203.3	6716.4	7035.4	8169.3	9403.6	
	55°	7695.8	7139.8	6221.4	5655.5	5856.2	6925.3	8192.7	
	60°	6817.2	6314.0	5543.2	5022.3	5123.5	6071.8	7276.1	
	65°	6026.1	5595.9	5020.4	4622.6	4658.9	5419.7	6513.3	
	70°	5369.3	5008.1	4599.1	4328.9	4338.0	4835.2	5778.7	
	75°	4874.7	4573.9	4263.4	4094.8	4081.0	4304.8	5101.4	
	80°	4533.5	4289.2	4031.8	3940.1	3860.5	3837.5	4436.8	
	85°	4394.9	4238.9	4033.2	3976.7	3816.9	3500.3	4004.3	

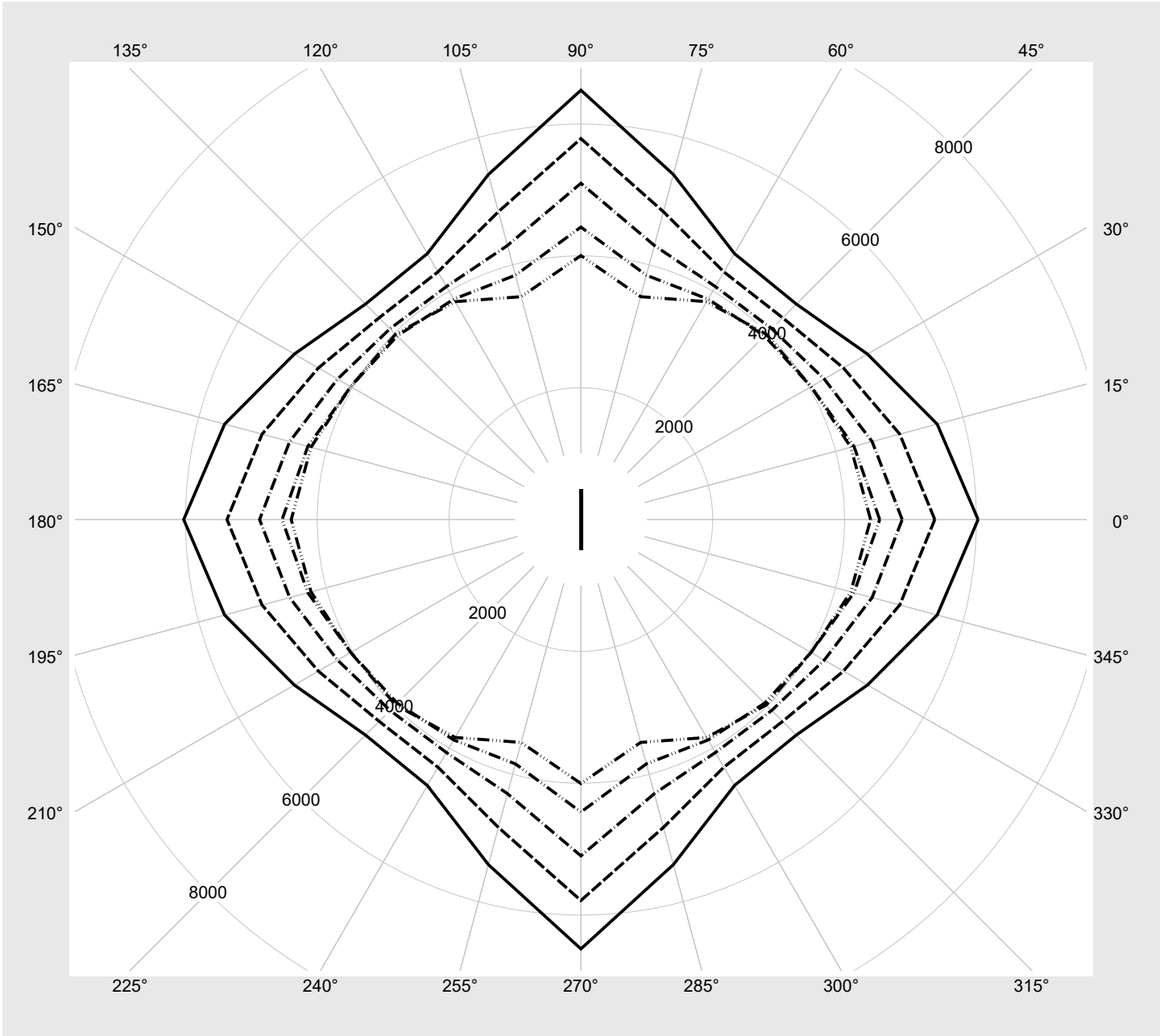
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**Luminance values in cd/m<sup>2</sup>**

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

**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	9680	57.1
95	240	252	9188	53.8
90	227	250	8728	50.9
85	213	248	8224	47.7
80	200	245	7754	44.8
75	186	243	7245	41.7
70	173	240	6766	38.7
65	160	237	6283	35.9
60	147	234	5797	33.0
55	134	231	5307	30.1
50	122	227	4849	27.5
45	109	223	4350	24.7
40	97	219	3886	22.2
35	84	213	3380	19.5
30	72	208	2905	17.0
25	60	201	2430	14.5
20	48	193	1951	11.9
15	36	182	1467	9.4
10	24	168	979	6.9
5	12	142	486	4.5
2	4	102	157	3.0