
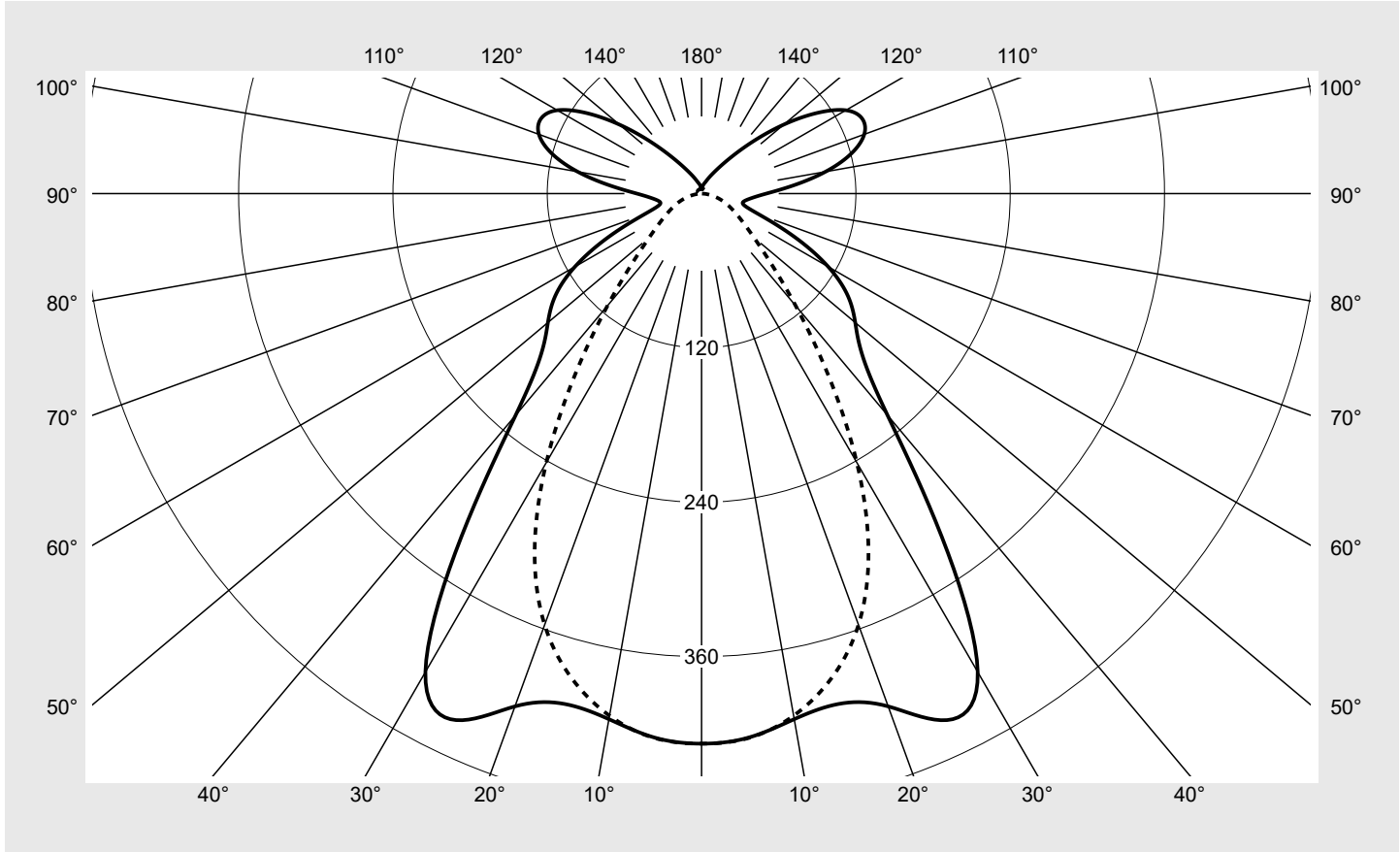


# Photometric test report

<b>Family</b> <b>Licross® 11 Performance</b>	<b>Order number: 51TM16DN695G</b> <b>EAN: 4069025718013</b>	<b>LP number</b> <b>58520_417</b>
	<b>Version</b> cover frosted, direct-/ indirect distribution <b>Lamps</b> LED 6500 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 9780 lm Power consumption = 56.5 W Luminous efficacy = 173.1 lm/W	<b>serial documentation</b> <b>11.03.2026</b>
		

**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	
$\eta_{LB}$	100.0%
$\phi_u$	79.3%
$\phi_o$	20.7%

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 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

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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	19.0	20.3	19.6	20.8	21.5	15.2	16.5	15.8	17.0	17.7
	3H	19.6	20.7	20.2	21.3	22.0	15.6	16.7	16.2	17.3	18.0
	4H	19.8	20.8	20.4	21.4	22.1	15.8	16.9	16.4	17.5	18.2
	6H	20.0	20.9	20.7	21.6	22.3	15.9	16.9	16.6	17.5	18.3
	8H	20.3	21.1	21.0	21.7	22.5	15.9	16.8	16.6	17.5	18.2
	12H	20.6	21.3	21.3	22.0	22.8	15.9	16.8	16.6	17.5	18.2
4H	2H	19.0	20.0	19.6	20.7	21.3	15.7	16.7	16.3	17.3	18.0
	3H	19.7	20.5	20.3	21.2	22.0	16.2	17.1	16.9	17.7	18.5
	4H	19.9	20.7	20.6	21.4	22.2	16.5	17.3	17.2	18.0	18.8
	6H	20.4	21.0	21.1	21.7	22.6	16.7	17.4	17.4	18.1	18.9
	8H	20.7	21.3	21.4	22.0	22.9	16.8	17.4	17.5	18.1	19.0
	12H	21.2	21.7	22.0	22.5	23.4	16.8	17.4	17.6	18.1	19.0
8H	4H	19.9	20.5	20.6	21.2	22.1	16.7	17.3	17.4	18.0	18.8
	6H	20.5	21.0	21.2	21.7	22.6	17.1	17.5	17.8	18.3	19.2
	8H	20.9	21.4	21.7	22.1	23.0	17.2	17.7	18.0	18.4	19.3
	12H	21.7	22.1	22.5	22.9	23.8	17.3	17.7	18.1	18.5	19.4
12H	4H	19.8	20.4	20.6	21.1	22.0	16.7	17.2	17.5	17.9	18.8
	6H	20.4	20.9	21.2	21.6	22.5	17.2	17.6	17.9	18.3	19.3
	8H	21.0	21.4	21.8	22.1	23.1	17.4	17.8	18.2	18.5	19.5

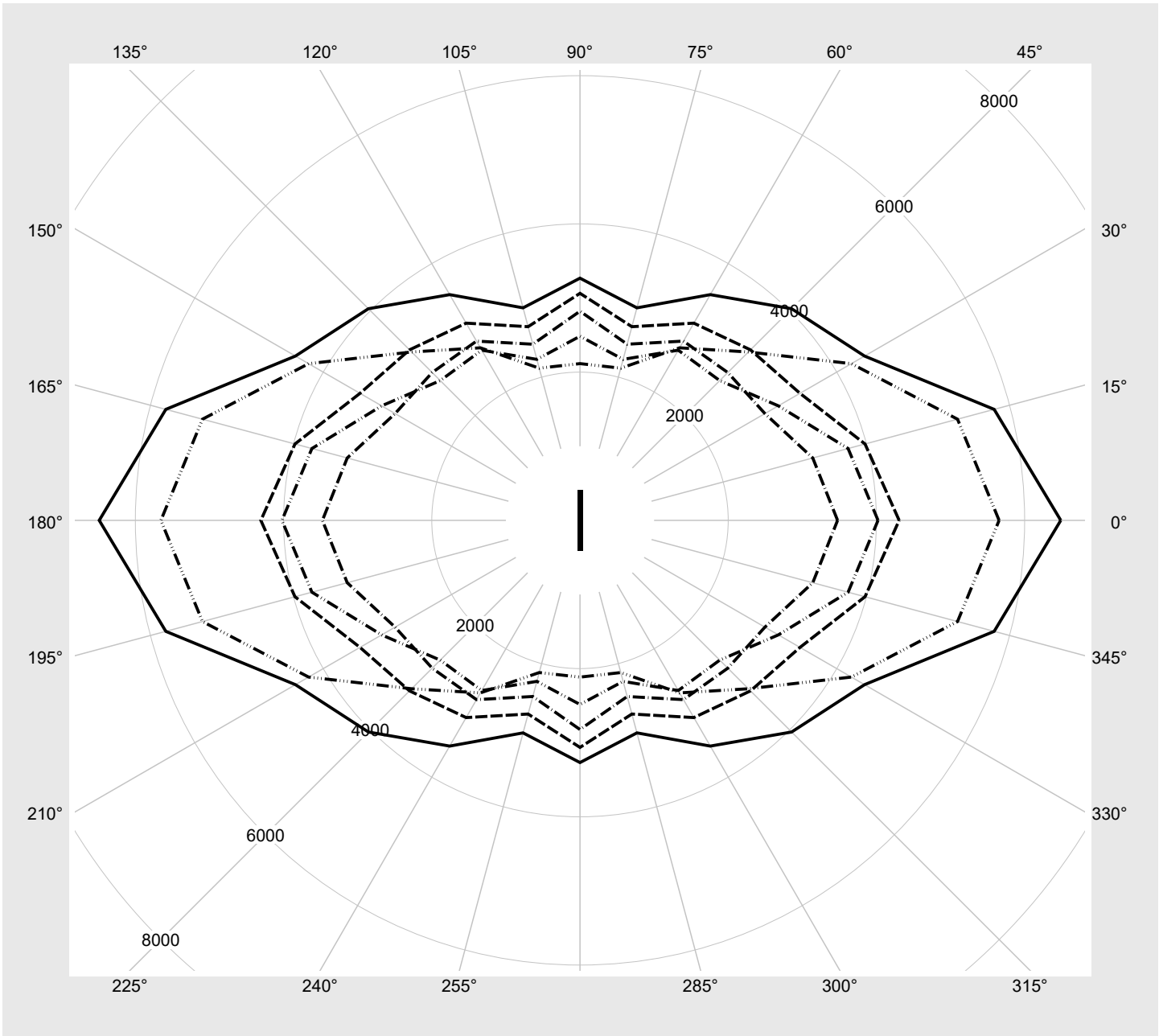
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 36</b>	<b>H(C180) = 36</b>
			<b>B = 115</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

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°	10918.4	10906.7	12754.9	14950.8	8997.4	6338.1	6148.2	
	50°	10156.6	9479.8	9226.2	10908.1	6797.7	4804.3	4753.1	
	55°	9622.8	8601.1	7107.7	7591.0	5231.6	3896.7	3984.9	
	60°	8472.0	7476.6	5644.0	5375.4	4190.3	3330.7	3539.3	
	65°	6487.6	5786.1	4433.9	4038.4	3516.8	2968.6	3267.8	
	70°	4306.8	3981.9	3428.0	3253.6	3072.6	2705.3	3063.3	
	75°	3475.9	3251.8	2881.5	2820.7	2792.9	2460.6	2822.0	
	80°	4021.8	3745.4	3090.5	2666.9	2651.4	2248.9	2484.1	
	85°	5655.5	5274.2	4228.7	3213.1	2688.2	2126.0	2115.0	

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 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	9780	56.5
95	240	252	9282	53.3
90	227	250	8816	50.4
85	213	248	8307	47.3
80	200	245	7833	44.4
75	186	243	7318	41.3
70	173	240	6832	38.4
65	160	237	6346	35.6
60	147	234	5855	32.7
55	135	231	5398	30.1
50	122	227	4896	27.3
45	109	223	4392	24.6
40	97	219	3924	22.0
35	84	213	3413	19.3
30	72	208	2933	16.8
25	60	201	2453	14.4
20	48	193	1970	11.8
15	36	182	1481	9.3
10	24	168	988	6.9
5	12	142	491	4.5
2	4	102	158	3.0