

Lichttechnischer Prüfbefund

Familie
Licross® 11 Recessed

Bestell-Nr.: 51TL1DDN425G
EAN: 4058352049754

LP-Nummer
59520_130



Ausführung Abdeckung, opal, direkt-/ indirekt strahlend, diffus

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 2750 lm
Systemleistung = 15.7 W
Lichtausbeute = 175.2 lm/W

Seriendokumentation
18.01.2024

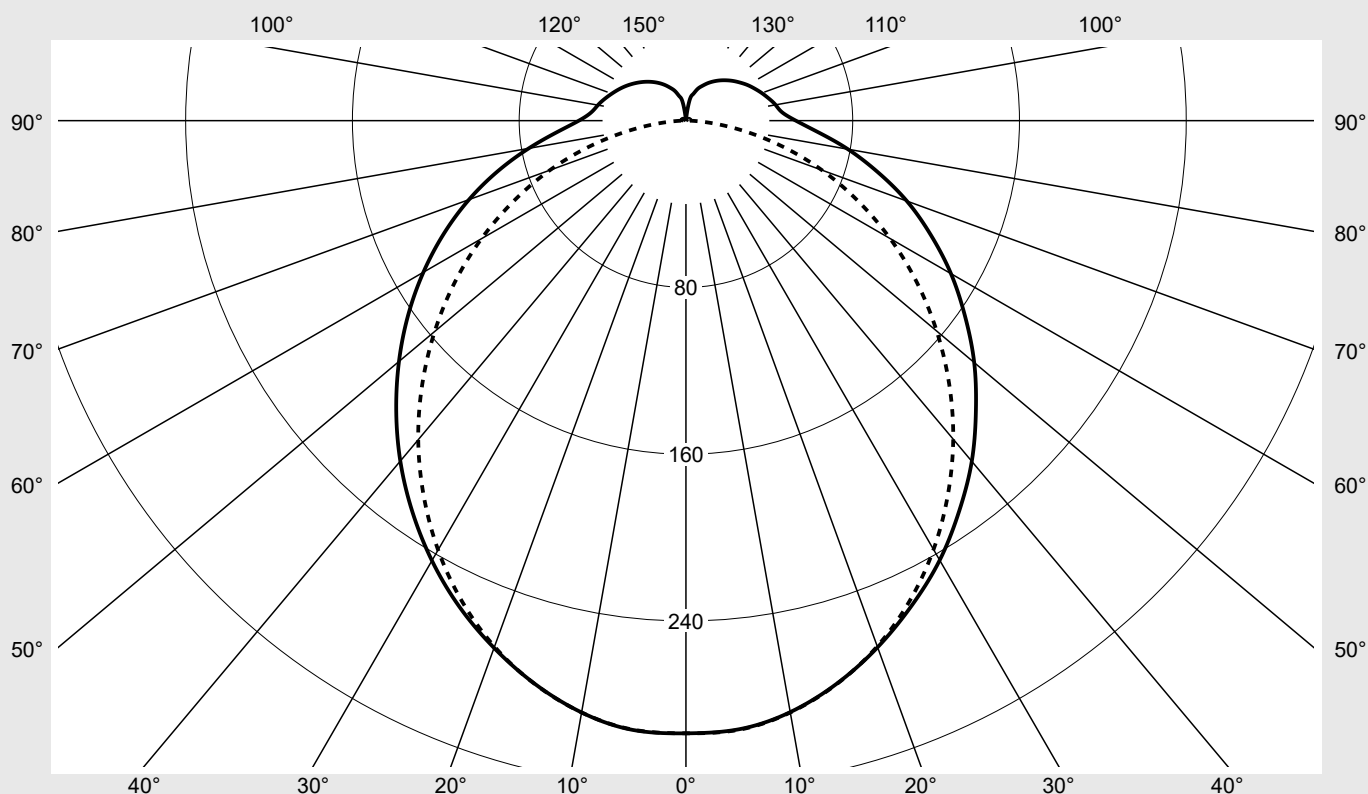
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 294 cd/klm



Klassifizierungen

DIN 5040 B 3 1
CIE N1=44 N2=73 N3=91
N4=87 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 87,4%
 ϕ_o 12,6%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN425G EAN: 4058352049754	LP-Nummer 59520_130
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Lichtstärke in cd/klm												
0°	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9
5°	293.1	292.7	289.9	291.0	293.1	293.0	293.3	293.1	293.1	292.5	291.2	291.6	293.4
10°	288.1	287.8	285.0	286.0	288.1	287.9	288.3	288.0	288.0	287.5	286.2	286.7	288.3
15°	279.6	279.4	276.6	277.6	279.6	279.4	279.8	279.5	279.5	279.0	277.7	278.4	279.8
20°	268.8	268.4	265.5	266.2	268.1	267.8	268.3	268.1	268.0	267.5	266.6	267.8	269.2
25°	256.5	256.4	252.9	252.4	253.9	253.4	254.1	253.8	253.8	253.6	254.0	255.9	257.2
30°	243.5	242.9	239.1	237.4	237.4	236.9	237.6	237.4	237.5	238.5	240.0	242.5	243.7
35°	228.6	228.2	223.9	221.1	219.2	218.5	219.1	218.9	219.7	221.9	224.6	227.5	228.9
40°	213.3	212.5	208.1	204.0	200.4	198.8	199.5	199.5	201.1	204.3	208.6	211.7	213.2
45°	196.7	195.9	191.2	185.9	180.8	177.8	178.6	178.3	181.6	186.0	191.4	194.8	196.6
50°	180.5	179.0	174.4	167.8	161.5	156.5	157.0	156.9	161.7	167.6	173.9	177.7	179.7
55°	163.4	162.0	157.2	149.2	141.7	135.1	135.2	135.5	141.8	149.1	156.1	160.5	162.7
60°	146.8	144.8	139.8	131.0	122.1	114.1	113.1	114.2	121.9	130.6	138.3	143.3	145.4
65°	129.6	127.7	122.3	112.9	103.0	93.4	91.0	93.7	102.6	112.1	120.5	126.2	128.1
70°	112.8	110.6	104.4	95.0	83.9	73.2	69.4	73.2	83.4	93.6	102.3	109.1	110.8
75°	95.2	93.5	86.3	76.8	64.8	53.0	48.0	53.1	64.1	74.9	84.3	91.4	93.3
80°	78.9	76.8	69.4	59.0	47.0	34.5	28.0	34.2	45.8	57.3	67.7	74.1	76.6
85°	63.7	61.7	54.7	44.0	31.4	18.8	11.3	18.6	30.6	42.7	52.6	59.2	61.9
90°	52.7	50.3	47.2	33.6	21.8	9.7	1.7	9.7	21.3	32.8	42.6	49.1	51.4
95°	46.3	44.0	38.4	29.9	19.4	8.9	1.8	8.9	19.3	29.6	38.3	43.8	45.6
100°	43.6	41.6	36.5	28.4	19.0	9.0	2.1	8.7	18.6	27.9	35.8	41.3	42.9
105°	41.1	39.4	34.3	27.0	18.2	9.1	2.1	8.8	17.9	26.7	33.7	38.6	40.4
110°	38.7	36.7	32.3	25.7	17.6	9.2	2.0	8.7	17.0	25.1	31.7	36.0	37.9
115°	36.4	34.4	30.4	24.3	17.0	9.3	1.9	8.8	16.4	23.6	29.8	33.7	35.5
120°	34.1	32.2	28.7	23.1	16.5	9.4	1.8	8.8	15.7	22.3	27.9	31.4	33.2
125°	31.8	30.1	26.8	21.8	15.8	9.4	1.6	8.8	15.0	21.0	26.0	29.2	30.9
130°	29.6	27.9	25.1	20.7	15.3	9.5	1.4	8.7	14.3	19.7	24.1	27.1	28.6
135°	27.4	25.8	23.3	19.5	14.6	8.1	1.3	7.6	13.7	18.5	22.3	24.9	26.4
140°	25.2	23.7	21.6	18.3	13.6	7.0	1.3	6.4	12.7	17.1	20.5	22.8	24.2
145°	23.0	21.6	19.8	16.6	12.1	6.4	1.2	5.9	11.1	15.6	18.8	20.7	21.9
150°	20.7	19.6	18.1	14.3	11.0	6.2	1.3	6.0	9.5	13.3	16.9	18.6	19.6
155°	18.4	17.4	15.6	12.5	8.2	5.5	1.3	5.2	7.5	11.1	14.5	16.4	17.3
160°	16.1	15.3	12.6	10.0	7.9	5.1	1.4	4.6	6.8	7.9	11.7	14.3	14.9
165°	13.1	12.1	8.6	7.8	8.1	5.4	1.4	4.8	6.9	7.0	6.9	11.2	12.1
170°	9.8	7.7	7.3	8.0	6.5	2.9	1.4	2.2	5.4	6.7	6.3	6.6	8.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN425G EAN: 4058352049754	LP-Nummer 59520_130
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0°	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	1.8	1.8
5°	292.9	289.8	290.9	292.8	292.8	293.2	292.8	292.9	292.3	291.2	292.0	14.0	15.7
10°	288.0	285.0	285.8	287.9	287.8	288.3	287.9	288.0	287.3	286.3	287.0	27.3	43.1
15°	279.5	276.7	277.5	279.4	279.4	279.9	279.5	279.5	278.9	277.9	279.0	39.6	82.6
20°	268.9	265.7	266.2	268.0	267.9	268.5	268.2	268.1	267.5	266.6	267.7	50.2	132.8
25°	256.9	253.4	252.5	253.8	253.6	254.3	254.0	254.0	253.5	253.8	256.1	58.9	191.7
30°	243.4	239.6	237.7	237.4	237.1	237.8	237.6	237.8	238.3	239.7	242.3	65.6	257.3
35°	228.5	224.4	221.4	219.4	218.7	219.4	219.3	219.8	221.8	224.6	228.0	70.0	327.3
40°	212.7	208.2	204.2	200.7	198.9	199.8	199.8	201.1	204.3	208.6	211.9	72.3	399.6
45°	195.8	191.1	185.9	181.0	177.8	178.9	178.7	181.7	186.2	191.6	195.6	72.3	472.0
50°	178.6	174.0	167.6	161.4	156.5	157.3	157.3	162.0	168.0	174.3	178.3	70.5	542.5
55°	161.2	156.5	148.8	141.5	135.3	135.5	135.8	142.2	149.7	156.9	161.8	66.9	609.4
60°	143.7	138.7	130.1	121.6	114.2	113.3	114.6	122.5	131.3	139.3	144.4	61.7	671.1
65°	126.5	121.0	111.8	102.3	93.3	91.1	94.0	103.2	113.1	121.8	128.0	55.2	726.3
70°	109.1	102.8	93.5	83.0	72.9	69.4	73.6	84.1	94.6	103.5	110.4	47.6	773.9
75°	91.6	84.7	75.4	63.7	52.5	47.9	53.5	65.0	76.2	85.9	93.4	39.0	812.9
80°	74.9	67.7	57.5	45.8	33.9	27.9	34.5	46.6	58.5	69.1	75.6	30.2	843.1
85°	59.9	53.1	42.6	30.4	18.3	11.1	18.9	31.3	43.7	53.8	61.1	22.2	865.3
90°	49.1	42.6	32.8	21.3	9.6	1.7	9.7	21.6	33.2	43.3	50.0	16.9	882.1
95°	43.4	38.0	29.6	19.2	8.8	1.8	8.9	19.4	29.7	38.6	44.5	14.9	897.1
100°	41.0	35.9	27.9	18.7	8.8	2.1	8.9	18.7	28.1	36.1	41.8	14.0	911.1
105°	38.7	33.7	26.5	17.8	8.7	2.1	9.0	18.1	27.0	34.2	39.3	13.1	924.2
110°	35.9	31.6	25.0	17.1	8.8	2.0	9.1	17.4	25.5	32.1	36.6	12.0	936.2
115°	33.6	29.7	23.6	16.4	8.7	1.9	9.3	16.9	24.2	30.4	34.4	11.0	947.2
120°	31.4	27.9	22.4	15.7	8.8	1.8	9.3	16.2	22.9	28.6	32.2	9.9	957.1
125°	29.2	26.0	21.1	15.0	8.7	1.6	9.4	15.7	21.7	26.8	30.1	8.9	966.0
130°	27.0	24.2	19.8	14.4	8.7	1.4	9.4	15.1	20.5	24.9	27.8	7.8	973.7
135°	24.9	22.4	18.6	13.7	7.3	1.3	8.2	14.6	19.3	23.2	25.8	6.7	980.4
140°	22.7	20.6	17.3	12.7	6.4	1.3	7.0	13.5	18.0	21.5	23.6	5.6	986.0
145°	20.6	18.9	15.7	11.3	5.8	1.2	6.5	12.0	15.8	19.8	21.6	4.5	990.5
150°	18.5	17.0	13.4	10.2	6.1	1.3	6.3	10.3	14.2	17.9	19.5	3.5	994.0
155°	16.4	14.6	11.8	7.5	4.9	1.3	5.8	8.1	12.0	15.5	17.4	2.6	996.6
160°	14.2	11.8	9.1	7.1	4.6	1.4	5.2	7.3	8.7	12.7	15.3	1.8	998.3
165°	11.1	8.0	7.1	7.6	4.8	1.4	5.5	7.3	7.6	7.6	12.0	1.1	999.4
170°	6.9	7.3	7.0	5.8	2.1	1.4	3.1	6.1	7.5	6.2	7.2	0.6	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN425G EAN: 4058352049754	LP-Nummer 59520_130
----------------------------------------	---------------------------------------------------------------	-------------------------------

UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	17,3	18,8	17,7	19,3	19,8	16,9	18,5	17,4	18,9	19,4
	3H	19,2	20,6	19,7	21,1	21,6	18,5	19,9	19,0	20,4	20,9
	4H	20,0	21,3	20,5	21,8	22,4	19,0	20,3	19,5	20,8	21,4
	6H	20,8	22,0	21,3	22,5	23,1	19,4	20,6	19,9	21,1	21,7
	8H	21,2	22,3	21,7	22,9	23,5	19,5	20,7	20,1	21,2	21,8
	12H	21,5	22,5	22,1	23,1	23,8	19,5	20,6	20,1	21,2	21,8
4H	2H	18,0	19,3	18,5	19,8	20,3	17,6	18,9	18,2	19,5	20,0
	3H	20,0	21,1	20,6	21,7	22,3	19,3	20,4	19,9	21,0	21,6
	4H	21,0	22,0	21,6	22,6	23,3	20,0	21,0	20,6	21,6	22,3
	6H	21,9	22,8	22,6	23,4	24,1	20,5	21,4	21,1	22,0	22,7
	8H	22,4	23,2	23,0	23,9	24,6	20,7	21,5	21,3	22,1	22,8
	12H	22,8	23,5	23,5	24,2	24,9	20,7	21,5	21,4	22,1	22,8
8H	4H	21,3	22,2	21,9	22,8	23,4	20,4	21,2	21,0	21,9	22,5
	6H	22,5	23,2	23,1	23,8	24,5	21,1	21,8	21,7	22,4	23,2
	8H	23,1	23,7	23,7	24,3	25,1	21,4	22,0	22,0	22,6	23,4
	12H	23,6	24,1	24,3	24,8	25,6	21,5	22,0	22,2	22,7	23,5
12H	4H	21,3	22,0	21,9	22,7	23,4	20,5	21,2	21,1	21,8	22,5
	6H	22,5	23,1	23,2	23,8	24,5	21,2	21,8	21,9	22,5	23,2
	8H	23,1	23,7	23,8	24,3	25,1	21,5	22,1	22,2	22,7	23,5

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$											
		Lichttechnische Abmessungen in mm: L = 1500 B = 76 H(C0) = 25 H(C90) = 25 H(C180) = 25 H(C270) = 25											
C-Ebenen	γ	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
		Leuchtdichte in cd/m ²											
45°		5050.0	5044.2	5233.1	5992.1	5254.2	5048.5	5045.8	5042.1	5237.8	6003.0	5256.6	5054.9
50°		4866.7	4849.0	4995.0	5778.0	5002.5	4835.5	4844.9	4837.8	4992.5	5789.9	5010.0	4846.8
55°		4676.2	4659.5	4746.9	5555.0	4749.6	4628.3	4655.3	4637.9	4741.5	5564.9	4763.2	4652.3
60°		4512.2	4471.9	4497.2	5303.8	4491.3	4425.2	4469.9	4438.2	4479.3	5311.4	4512.2	4456.3
65°		4336.1	4284.6	4248.1	5014.3	4231.4	4222.1	4287.3	4242.0	4218.0	5018.8	4258.1	4267.6
70°		4178.3	4076.4	3969.2	4682.9	3942.4	3994.1	4103.3	4016.3	3923.2	4682.9	3976.9	4044.8
75°		3983.1	3840.2	3623.9	4210.9	3581.8	3753.6	3905.2	3768.1	3561.8	4204.5	3631.6	3822.2
80°		3825.7	3622.4	3240.9	3548.8	3161.0	3533.6	3711.8	3529.4	3157.7	3535.4	3215.2	3605.5
85°		3701.6	3476.6	2852.4	2620.1	2781.7	3345.2	3597.6	3375.1	2758.9	2590.2	2845.0	3424.5

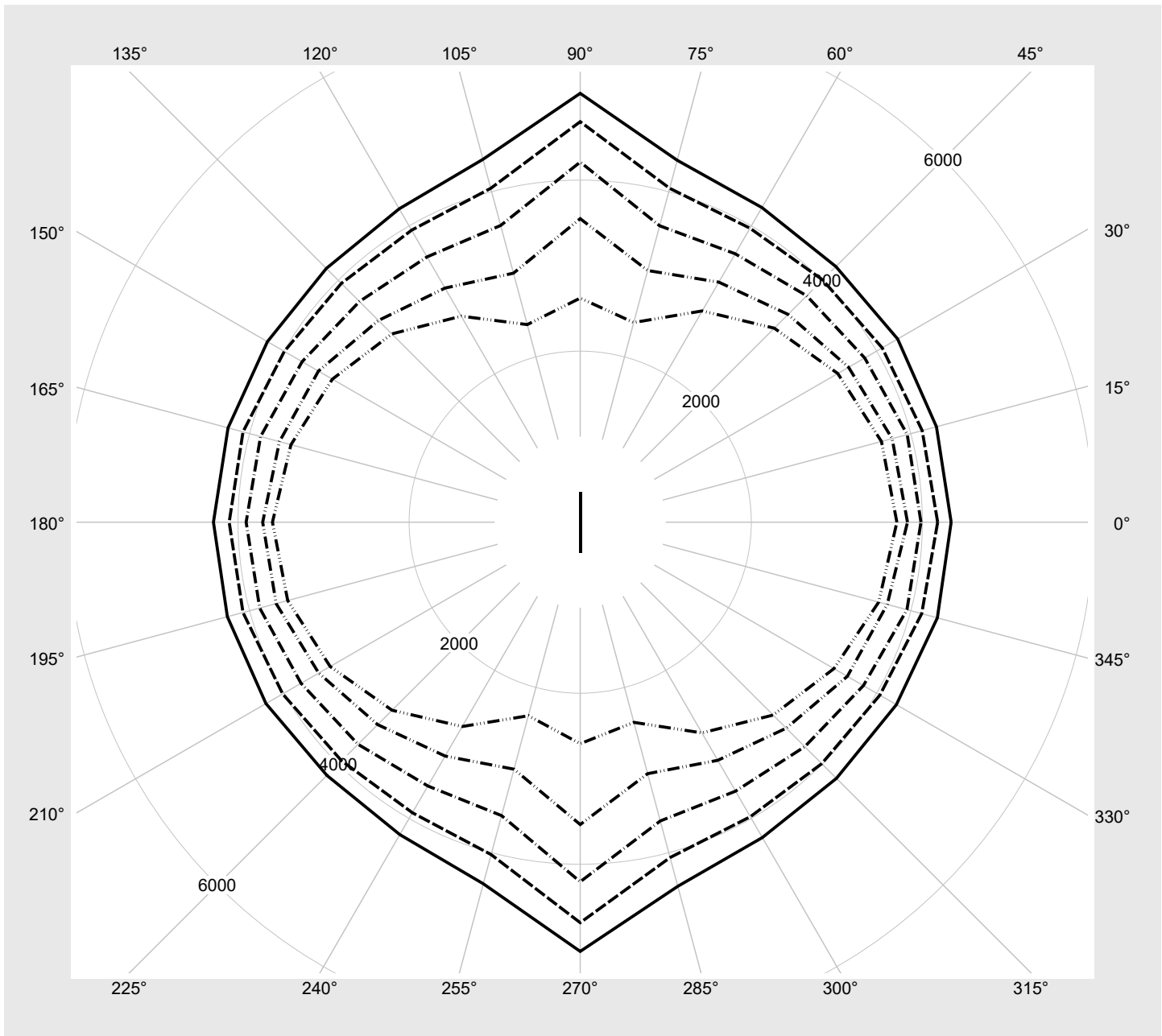
Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN425G EAN: 4058352049754	LP-Nummer 59520_130
----------------------------------------	---------------------------------------------------------------	--------------------------------------

Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

siteco



Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN425G EAN: 4058352049754	LP-Nummer 59520_130
----------------------------------------	---------------------------------------------------------------	--------------------------------------

Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	2750	15.7
95	241	252	2613	14.9
90	228	250	2472	14.1
85	215	248	2334	13.4
80	202	246	2195	12.6
75	190	243	2066	11.8
70	177	241	1927	11.1
65	164	238	1788	10.3
60	151	235	1647	9.7
55	139	232	1518	9.0
50	126	228	1377	8.2
45	113	224	1236	7.5
40	101	220	1105	6.8
35	88	215	963	6.1
30	76	210	830	5.4
25	63	203	687	4.5
20	51	195	555	3.8
19	49	194	533	3.6