

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 11 Protected**

**Bestell-Nr.: 51TD1BDN49XG**  
**EAN: 4058352918333**

**LP-Nummer**  
**58522\_245**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 9370 lm  
 Systemleistung = 57.1 W  
 Lichtausbeute = 164.1 lm/W

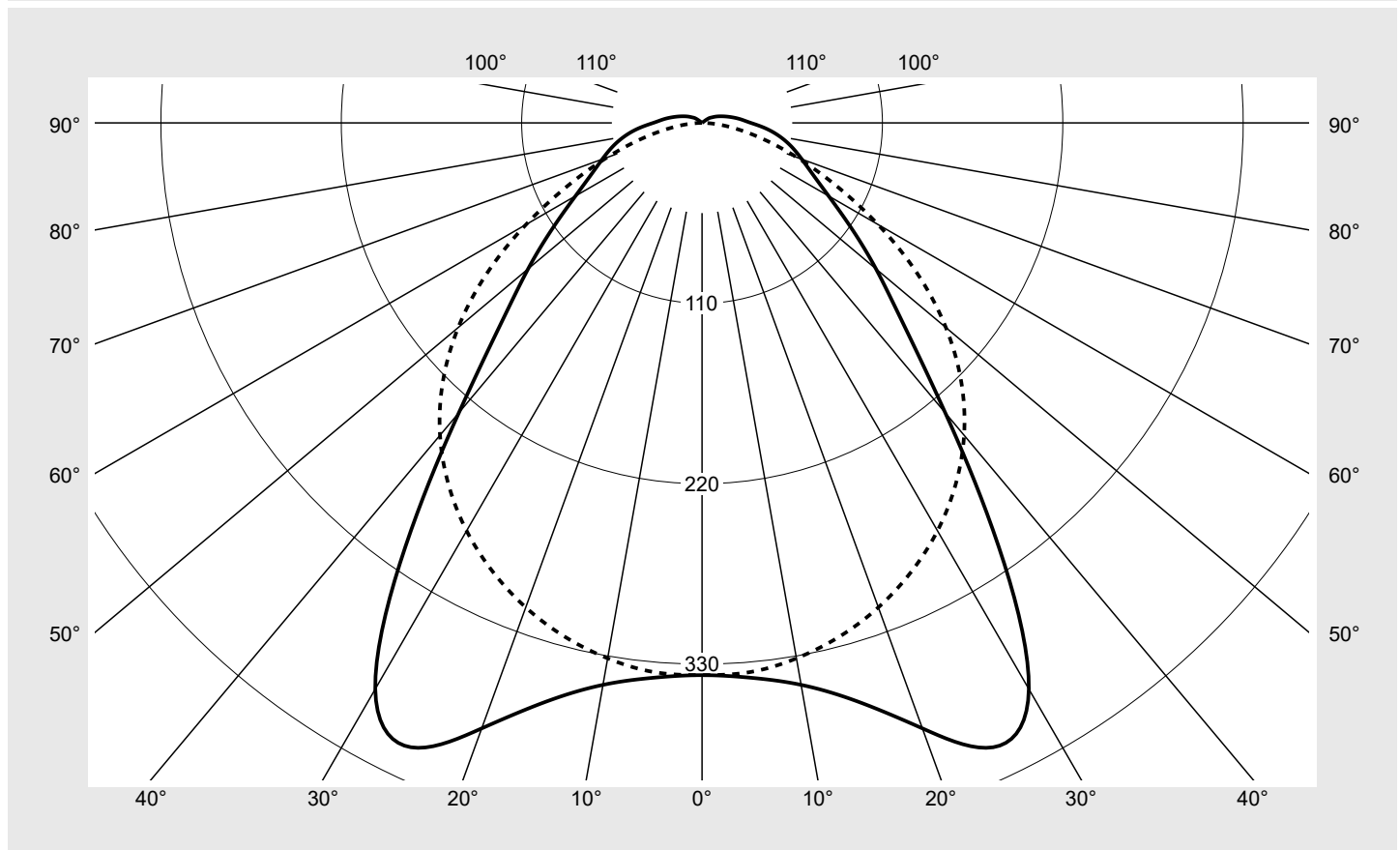
**Seriendokumentation**  
**14.09.2023**

**siteco**

**Lichtstärke in cd/klm**

**C180-0** **C270-90**

**Imax: 420 cd/klm**



**Klassifizierungen**

DIN 5040 A 4 1  
 CIE N1=54 N2=82 N3=95  
 N4=97 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  96,8%  
 $\phi_o$  3,2%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	20,9	22,6	21,3	22,9	23,2	22,8	24,5	23,2	24,8	25,1
	3H	22,1	23,6	22,5	23,9	24,3	23,8	25,3	24,2	25,6	26,0
	4H	22,8	24,2	23,2	24,5	24,9	24,2	25,6	24,6	25,9	26,3
	6H	23,6	24,8	24,0	25,2	25,6	24,4	25,7	24,9	26,1	26,5
	8H	24,0	25,2	24,4	25,6	26,0	24,6	25,7	25,0	26,1	26,5
	12H	24,4	25,5	24,8	25,9	26,3	24,6	25,7	25,0	26,1	26,5
4H	2H	21,8	23,2	22,2	23,5	23,9	23,3	24,7	23,7	25,0	25,4
	3H	23,1	24,3	23,6	24,7	25,1	24,5	25,7	25,0	26,1	26,5
	4H	23,9	25,0	24,4	25,4	25,9	25,0	26,1	25,5	26,5	26,9
	6H	24,9	25,8	25,3	26,2	26,7	25,4	26,3	25,9	26,8	27,2
	8H	25,3	26,2	25,8	26,6	27,1	25,5	26,4	26,0	26,8	27,3
	12H	25,8	26,6	26,3	27,0	27,5	25,6	26,4	26,1	26,8	27,3
8H	4H	24,4	25,2	24,8	25,7	26,1	25,3	26,2	25,8	26,6	27,1
	6H	25,4	26,2	25,9	26,6	27,1	25,8	26,6	26,3	27,0	27,5
	8H	26,0	26,7	26,5	27,2	27,7	26,0	26,7	26,5	27,2	27,7
	12H	26,7	27,2	27,2	27,7	28,2	26,2	26,8	26,7	27,3	27,8
12H	4H	24,4	25,2	24,9	25,7	26,1	25,4	26,1	25,9	26,6	27,1
	6H	25,6	26,2	26,1	26,7	27,2	26,0	26,6	26,5	27,1	27,6
	8H	26,2	26,8	26,7	27,3	27,8	26,2	26,8	26,7	27,3	27,8

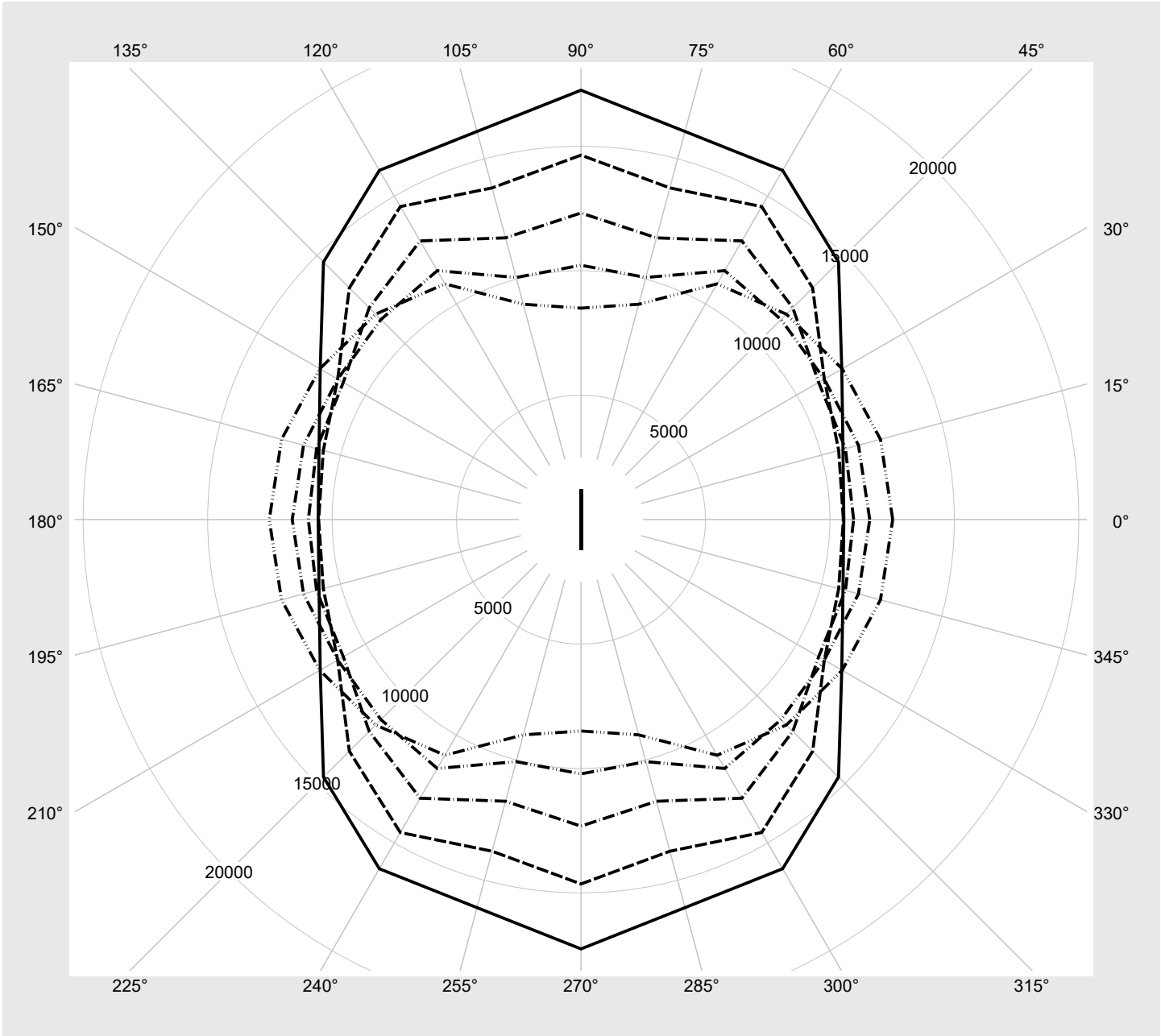
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		17107.2	18005.7	20622.3	24623.8	27364.1	26407.6	25668.8	
50°		14588.5	15305.9	17412.8	20850.9	23971.3	24577.8	24512.8	
55°		12637.7	13287.8	15280.1	18205.7	20818.9	21847.5	22694.2	
60°		11227.9	11730.4	13454.2	16295.4	18229.4	18863.7	20120.2	
65°		10559.7	10897.5	12097.7	14631.8	16201.6	16143.6	17251.5	
70°		10541.0	10719.0	11289.3	13162.5	14519.4	13796.3	14641.8	
75°		10954.2	10999.7	11026.1	12034.8	12928.7	11717.9	12318.8	
80°		11601.7	11541.5	11288.9	11367.3	11548.5	10070.0	10219.3	
85°		12524.5	12456.6	12117.0	11670.9	10935.6	8956.5	8495.3	

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**Leuchtdichten in cd/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	9370	57.1
95	240	252	8895	53.8
90	226	250	8416	50.7
85	213	248	7965	47.7
80	200	245	7511	44.8
75	186	243	7018	41.7
70	173	240	6555	38.7
65	160	237	6089	35.9
60	147	234	5619	33.0
55	134	231	5145	30.1
50	122	227	4701	27.5
45	109	223	4218	24.7
40	96	218	3732	22.0
35	84	213	3279	19.5
30	72	208	2819	17.0
25	60	201	2358	14.5
20	47	192	1855	11.7
15	36	182	1425	9.4
10	24	168	951	6.9
5	12	142	472	4.5
2	4	102	152	3.0