

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 11 Protected

**Bestell-Nr.:** 51TD1BDN49XG3S  
**EAN:** 4058352938485

**LP-Nummer**  
58522\_248

**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Einstellung** AC-Betrieb  
**Bemessungswerte** Nettolichtstrom = 9370 lm  
Systemleistung = 60.9 W  
Lichtausbeute = 153.9 lm/W

**Seriendokumentation**  
29.09.2023

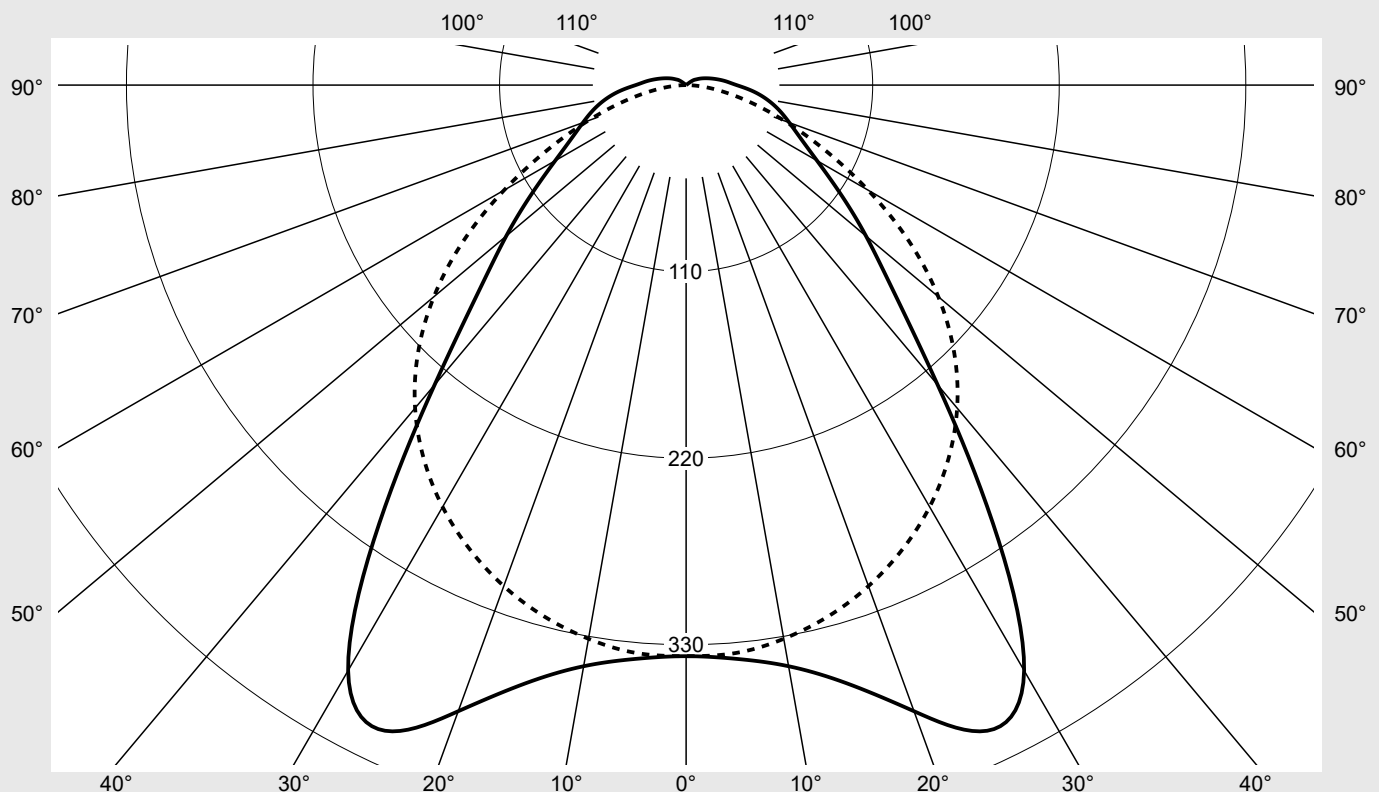
siteco

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
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

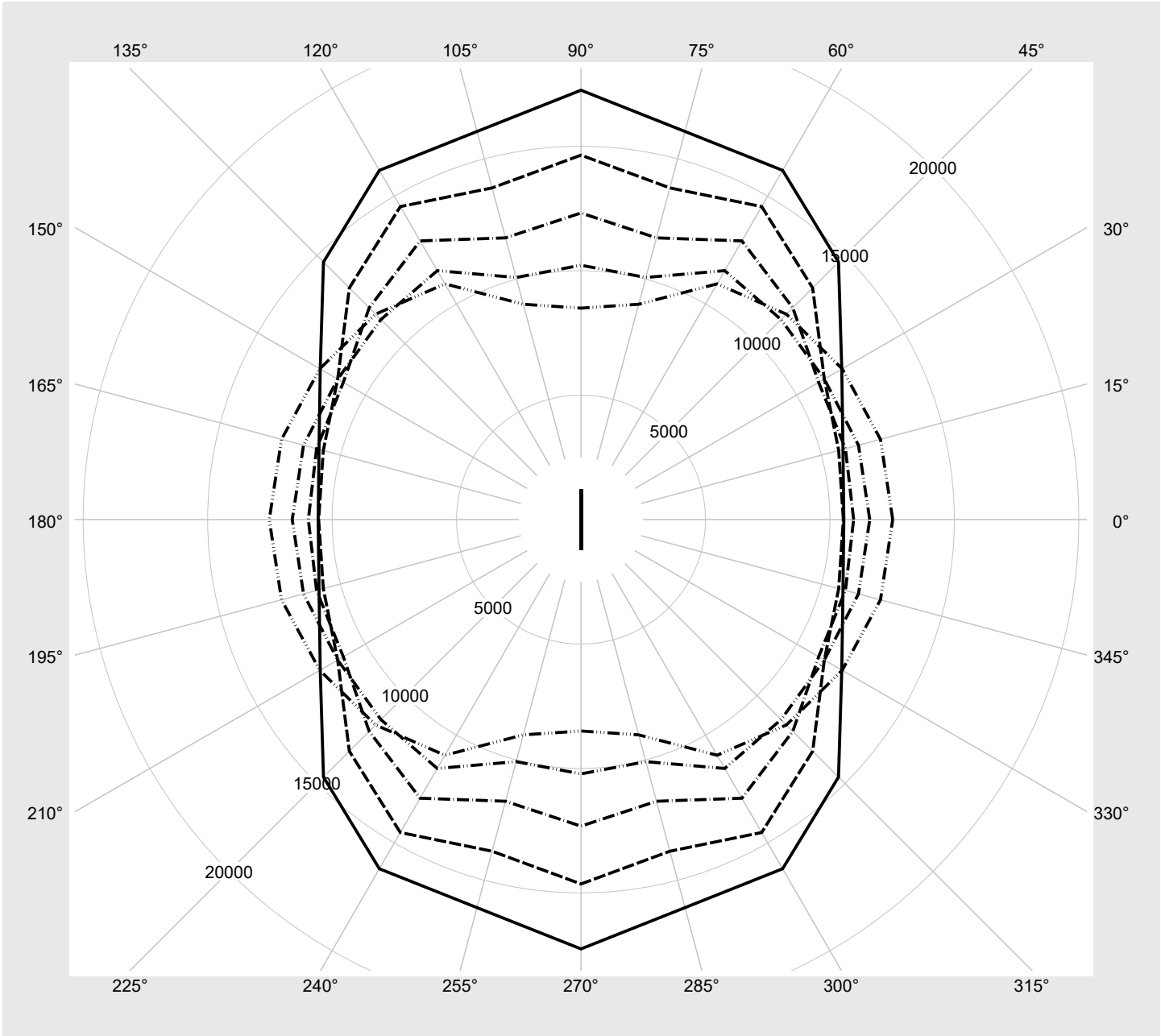
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	45°	17107.2	18005.7	20622.3	24623.8	27364.1	26407.6	25668.8	
50°	50°	14588.5	15305.9	17412.8	20850.9	23971.3	24577.8	24512.8	
55°	55°	12637.7	13287.8	15280.1	18205.7	20818.9	21847.5	22694.2	
60°	60°	11227.9	11730.4	13454.2	16295.4	18229.4	18863.7	20120.2	
65°	65°	10559.7	10897.5	12097.7	14631.8	16201.6	16143.6	17251.5	
70°	70°	10541.0	10719.0	11289.3	13162.5	14519.4	13796.3	14641.8	
75°	75°	10954.2	10999.7	11026.1	12034.8	12928.7	11717.9	12318.8	
80°	80°	11601.7	11541.5	11288.9	11367.3	11548.5	10070.0	10219.3	
85°	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	60.9
95	240	252	8895	57.6
90	226	250	8416	54.5
85	213	248	7965	51.5
80	200	245	7511	48.6
75	186	243	7018	45.5
70	173	240	6555	42.5
65	160	237	6089	39.7
60	147	234	5619	36.8
55	134	231	5145	33.9
50	122	227	4701	31.3
45	109	223	4218	28.5
40	96	218	3732	25.8
35	84	213	3279	23.3
30	72	208	2819	20.8
25	60	201	2358	18.3
20	47	192	1855	15.5
15	36	182	1425	13.2
10	24	168	951	10.7
5	12	142	472	8.3
2	4	102	152	6.8