

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TD1BDN5D5M**  
**EAN: 4069025589491**

**LP-Nummer**  
**58521\_189**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 5000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 13800 lm  
 Systemleistung = 83.9 W  
 Lichtausbeute = 164.5 lm/W

**Seriendokumentation**  
**30.10.2025**

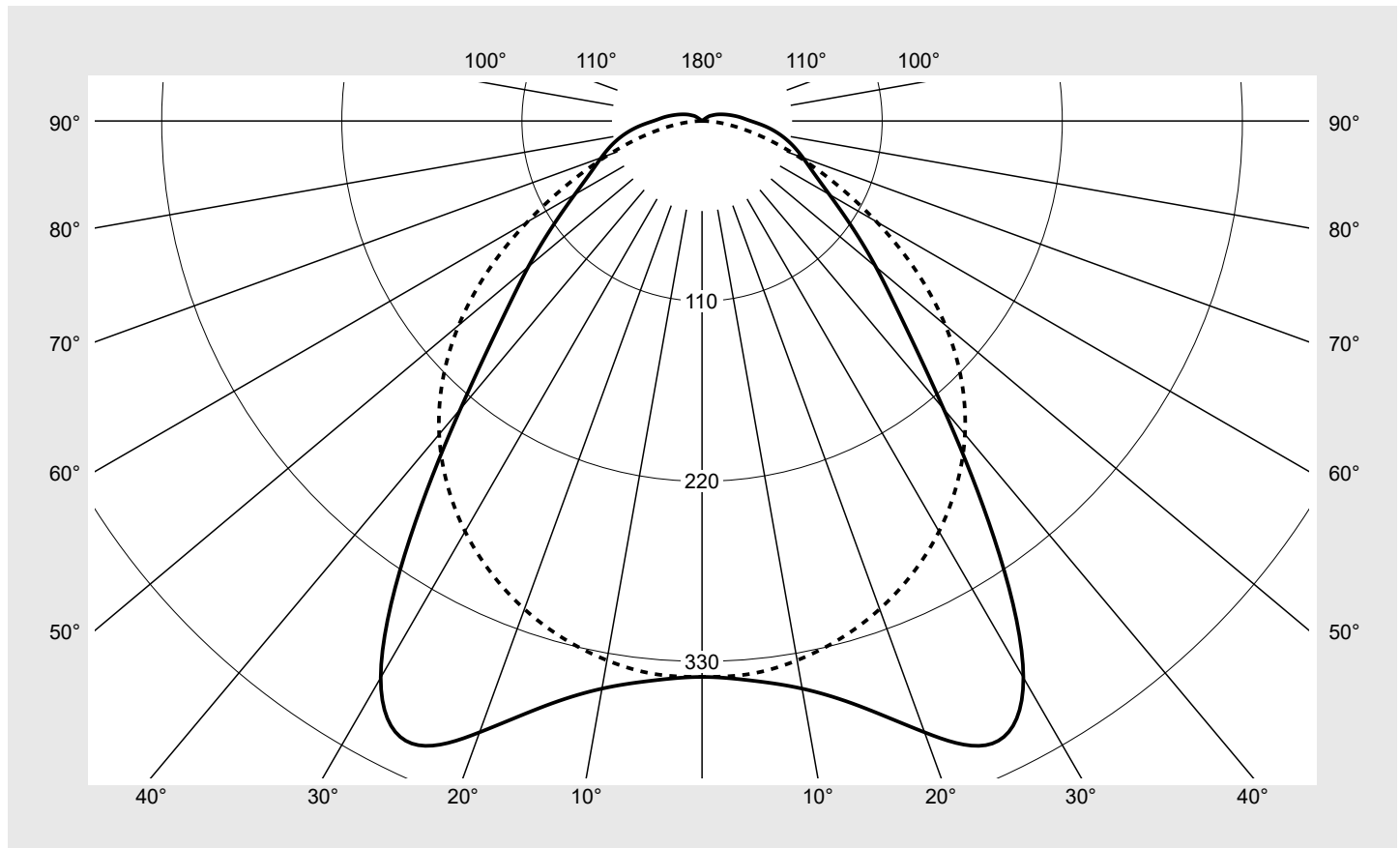
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 419 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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	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	22,3	23,9	22,6	24,2	24,5	24,1	25,8	24,5	26,1	26,4
	3H	23,5	24,9	23,8	25,3	25,6	25,1	26,6	25,5	27,0	27,3
	4H	24,2	25,6	24,6	25,9	26,3	25,5	26,9	25,9	27,2	27,6
	6H	24,9	26,2	25,3	26,6	27,0	25,8	27,0	26,2	27,4	27,8
	8H	25,4	26,5	25,8	26,9	27,3	25,9	27,1	26,3	27,4	27,8
	12H	25,7	26,9	26,2	27,3	27,7	25,9	27,0	26,4	27,4	27,8
4H	2H	23,1	24,5	23,5	24,8	25,2	24,6	26,0	25,0	26,3	26,7
	3H	24,5	25,7	24,9	26,1	26,5	25,8	27,0	26,3	27,4	27,8
	4H	25,3	26,4	25,8	26,8	27,2	26,3	27,4	26,8	27,8	28,2
	6H	26,2	27,2	26,7	27,6	28,0	26,7	27,6	27,2	28,1	28,5
	8H	26,7	27,6	27,2	28,0	28,5	26,8	27,7	27,3	28,1	28,6
	12H	27,2	27,9	27,7	28,4	28,9	26,9	27,7	27,4	28,2	28,6
8H	4H	25,7	26,6	26,2	27,0	27,5	26,6	27,5	27,1	27,9	28,4
	6H	26,8	27,5	27,3	28,0	28,5	27,2	27,9	27,6	28,3	28,8
	8H	27,4	28,0	27,9	28,5	29,0	27,4	28,0	27,9	28,5	29,0
	12H	28,0	28,6	28,6	29,1	29,6	27,5	28,1	28,0	28,6	29,1
12H	4H	25,8	26,6	26,3	27,0	27,5	26,7	27,4	27,2	27,9	28,4
	6H	26,9	27,6	27,4	28,0	28,6	27,3	27,9	27,8	28,4	28,9
	8H	27,6	28,1	28,1	28,6	29,2	27,5	28,1	28,1	28,6	29,1

<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°		25213.2	26495.9	30217.6	35904.4	40000.5	38877.0	37881.0	
50°		21495.8	22535.0	25584.8	30503.1	35021.2	36050.9	36060.4	
55°		18663.3	19587.1	22448.2	26665.8	30428.4	31986.3	33255.1	
60°		16654.7	17367.0	19799.3	23859.2	26640.7	27617.6	29423.0	
65°		15698.5	16180.8	17859.5	21420.4	23662.8	23632.4	25223.9	
70°		15715.2	15943.6	16717.3	19306.0	21187.5	20198.7	21442.0	
75°		16286.6	16339.0	16352.8	17729.9	18897.1	17185.9	18115.7	
80°		17183.1	17092.0	16698.9	16763.9	16943.0	14813.3	15105.3	
85°		18461.0	18378.8	17891.7	17188.2	16039.8	13227.7	12648.9	

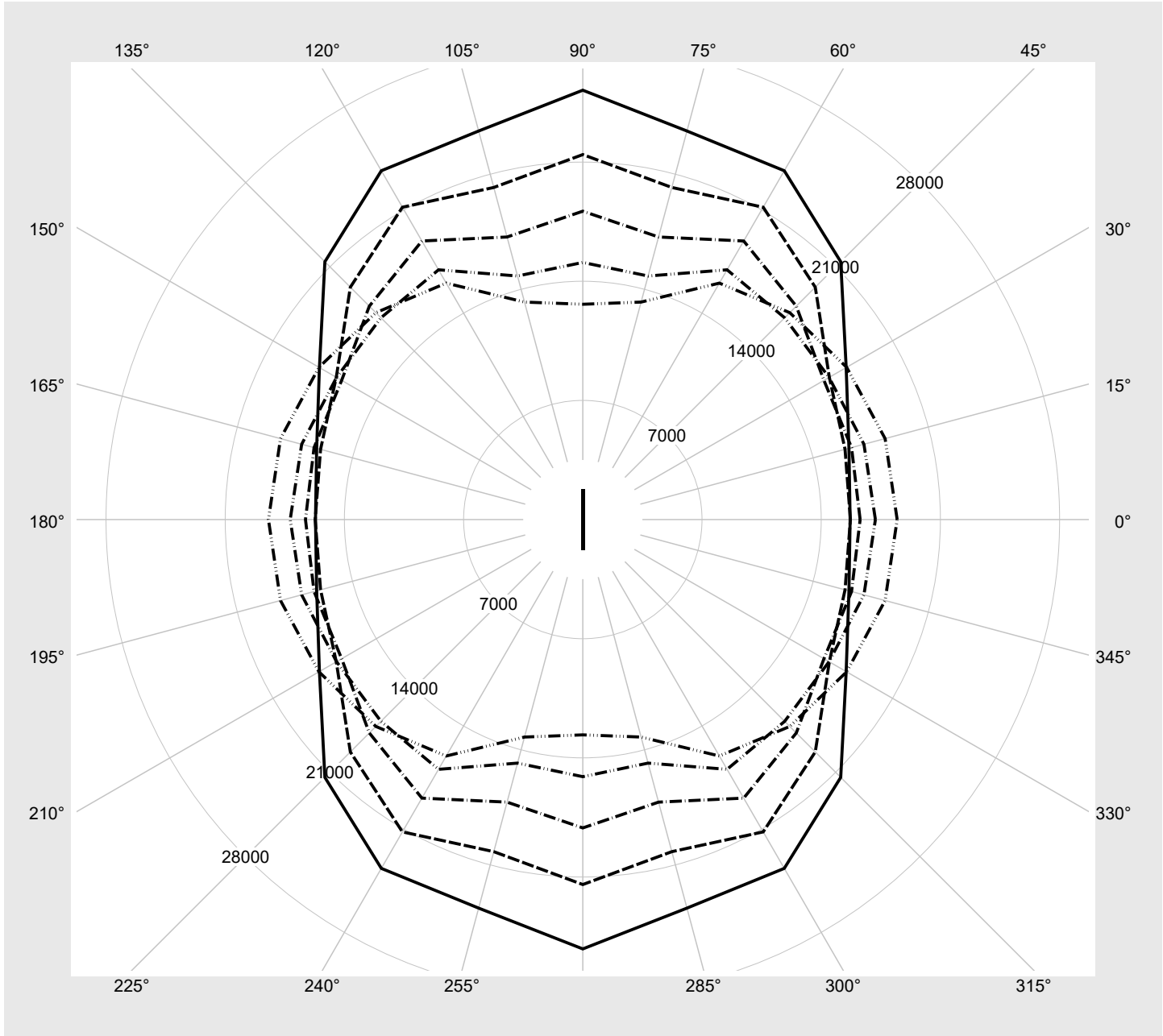
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**Leuchtdichten in cd/m<sup>2</sup>**

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	13800	83.9
95	240	252	13096	79.1
90	227	250	12436	74.8
85	213	248	11719	70.2
80	200	245	11048	65.8
75	187	243	10370	61.5
70	174	240	9685	57.3
65	160	237	8945	52.6
60	148	234	8304	48.8
55	135	231	7606	44.6
50	122	227	6902	40.5
45	109	223	6191	36.4
40	97	219	5530	32.6
35	84	213	4805	28.4
30	72	208	4132	24.8
25	60	201	3452	21.0
20	48	193	2769	17.3
15	36	182	2080	13.6
10	24	168	1386	9.9
5	12	142	688	6.3
2	4	102	218	4.0