

## Lichttechnischer Prüfbefund

## Familie

Licross® 11 Protected

Bestell-Nr.: 51TD1BDN4E5ME

EAN: 4058352988923

LP-Nummer

58521\_176

## Ausführung

Prismenabdeckung, satiniert, breit strahlend

## Bestückung

LED 4000 K | CRI ≥ 80

## Betriebsgerät

EVG-DALI

## Bemessungswerte

Nettolichtstrom = 14500 lm

Systemleistung = 87.3 W

Lichtausbeute = 166.1 lm/W

## Serien dokumentation

30.10.2023

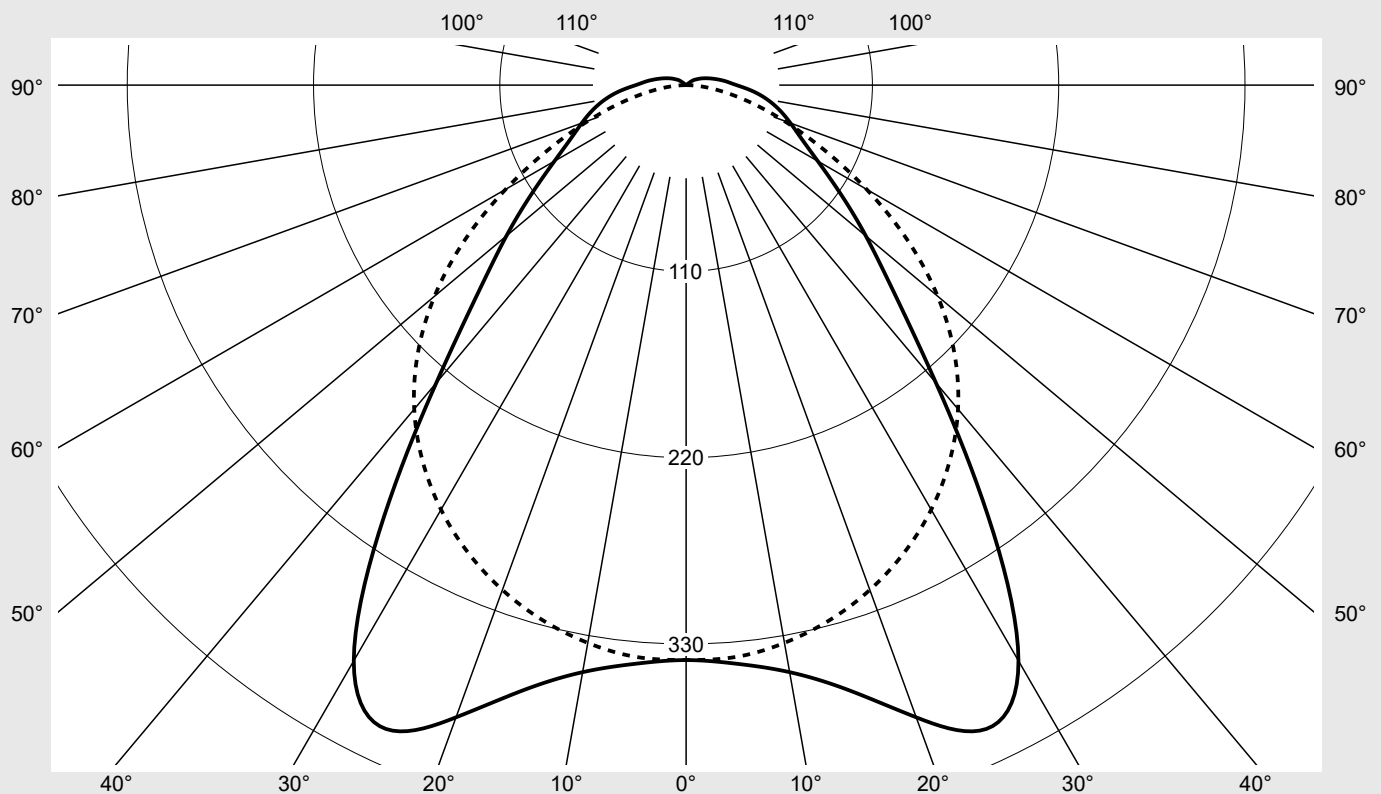
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Lichtstärke in cd/klm

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	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ										
Lichtstärke in cd/klm										
Lichtstrom in lm/klm										
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	22,4	24,1	22,8	24,4	24,7	24,3	25,9	24,7	26,2	26,6
	3H	23,6	25,1	24,0	25,5	25,8	25,3	26,8	25,7	27,1	27,5
	4H	24,3	25,7	24,7	26,1	26,5	25,7	27,1	26,1	27,4	27,8
	6H	25,1	26,4	25,5	26,8	27,1	25,9	27,2	26,3	27,6	28,0
	8H	25,5	26,7	25,9	27,1	27,5	26,0	27,2	26,5	27,6	28,0
	12H	25,9	27,0	26,3	27,4	27,8	26,1	27,2	26,5	27,6	28,0
4H	2H	23,3	24,7	23,7	25,0	25,4	24,7	26,1	25,1	26,5	26,9
	3H	24,7	25,8	25,1	26,2	26,6	26,0	27,2	26,4	27,6	28,0
	4H	25,5	26,6	25,9	27,0	27,4	26,5	27,6	27,0	28,0	28,4
	6H	26,4	27,3	26,9	27,8	28,2	26,9	27,8	27,3	28,2	28,7
	8H	26,9	27,7	27,3	28,2	28,6	27,0	27,9	27,5	28,3	28,8
	12H	27,4	28,1	27,8	28,6	29,1	27,1	27,9	27,6	28,3	28,8
8H	4H	25,9	26,8	26,4	27,2	27,7	26,8	27,7	27,3	28,1	28,6
	6H	27,0	27,7	27,5	28,2	28,7	27,3	28,0	27,8	28,5	29,0
	8H	27,6	28,2	28,1	28,7	29,2	27,5	28,2	28,0	28,7	29,2
	12H	28,2	28,8	28,7	29,3	29,8	27,7	28,2	28,2	28,7	29,3
12H	4H	26,0	26,7	26,5	27,2	27,7	26,9	27,6	27,3	28,1	28,6
	6H	27,1	27,7	27,6	28,2	28,7	27,5	28,1	28,0	28,6	29,1
	8H	27,8	28,3	28,3	28,8	29,3	27,7	28,3	28,2	28,8	29,3

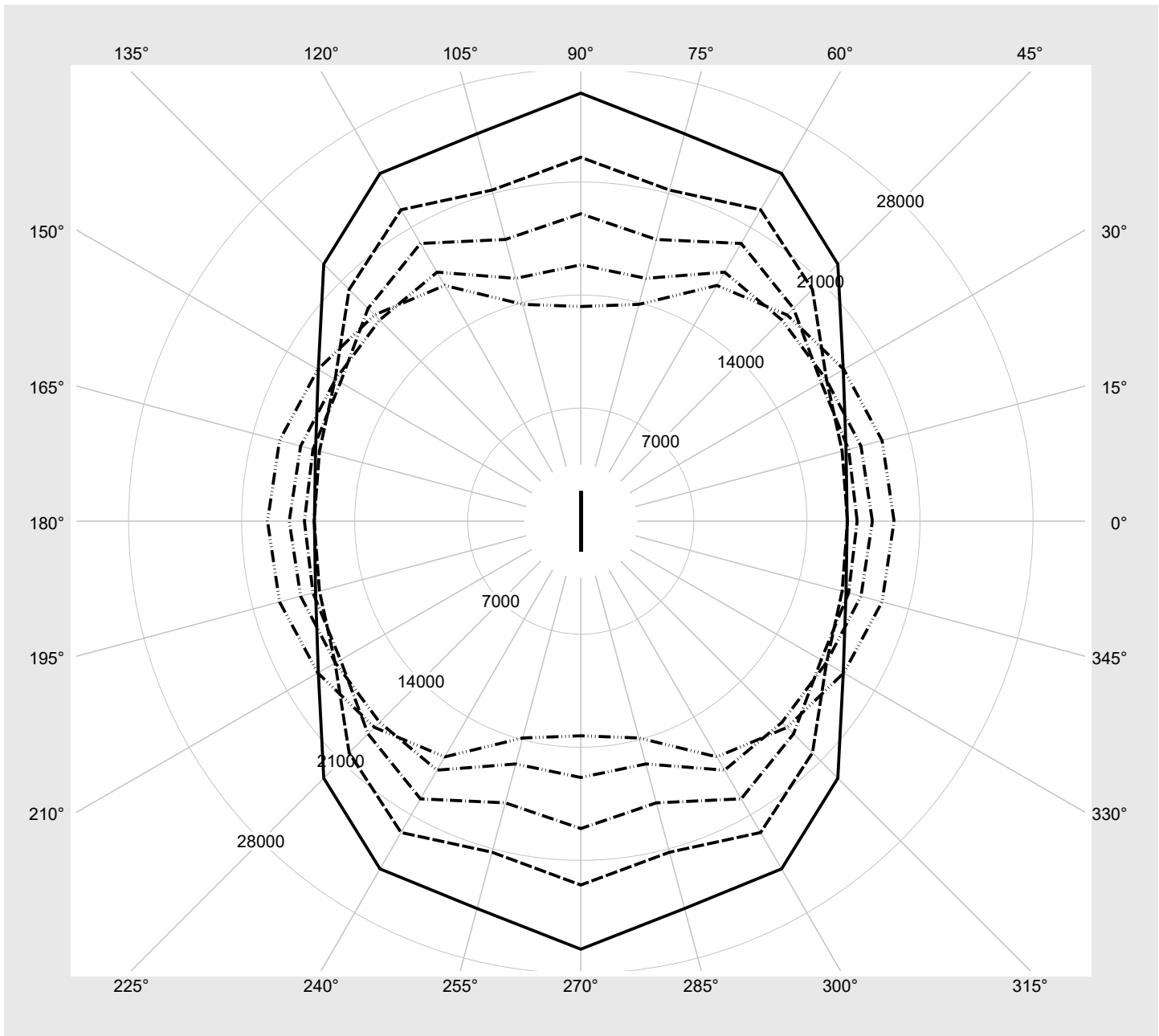
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		26492.1	27839.9	31750.4	37725.6	42029.5	40849.0	39802.5	
50°		22586.1	23678.1	26882.5	32050.4	36797.7	37879.5	37889.6	
55°		19610.0	20580.6	23586.9	28018.4	31971.9	33608.8	34941.9	
60°		17499.5	18247.9	20803.6	25069.4	27992.1	29018.5	30915.5	
65°		16494.8	17001.6	18765.4	22506.9	24863.1	24831.1	26503.4	
70°		16512.3	16752.3	17565.3	20285.3	22262.2	21223.3	22529.6	
75°		17112.8	17167.8	17182.3	18629.2	19855.6	18057.7	19034.7	
80°		18054.7	17959.0	17545.9	17614.3	17802.4	15564.7	15871.5	
85°		19397.5	19311.0	18799.3	18060.0	16853.4	13898.7	13290.5	

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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	14500	87.3
95	240	252	13769	82.4
90	226	250	13027	77.5
85	213	248	12330	72.9
80	200	245	11625	68.3
75	186	243	10860	63.6
70	173	240	10143	59.1
65	160	237	9422	54.7
60	147	234	8695	50.2
55	134	231	7958	45.9
50	122	227	7274	41.9
45	109	223	6528	37.7
40	96	218	5774	33.4
35	84	213	5071	29.4
30	72	208	4362	25.7
25	60	201	3647	21.8
20	48	193	2924	17.9
15	36	182	2198	14.0
10	24	168	1465	10.1
5	12	142	727	6.4
2	4	102	231	4.0