

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD1BDN4E5M3S4
EAN: 4058352938560

LP-Nummer
58521_172

Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 14500 lm
Systemleistung = 91.1 W
Lichtausbeute = 159.2 lm/W

Seriendokumentation
29.09.2023

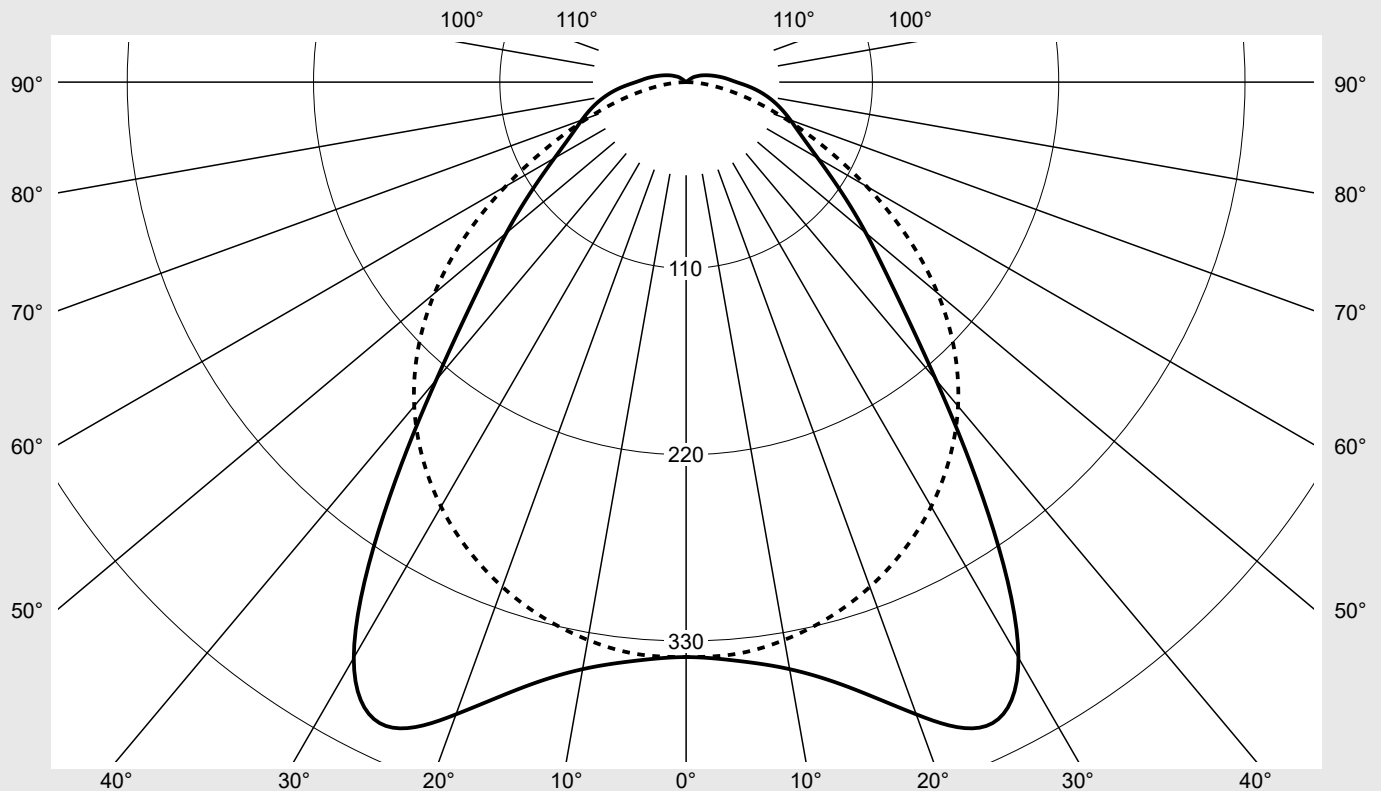
sitEco

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

η_{LB} 100,0%
 ϕ_u 96,8%
 ϕ_o 3,2%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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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°	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

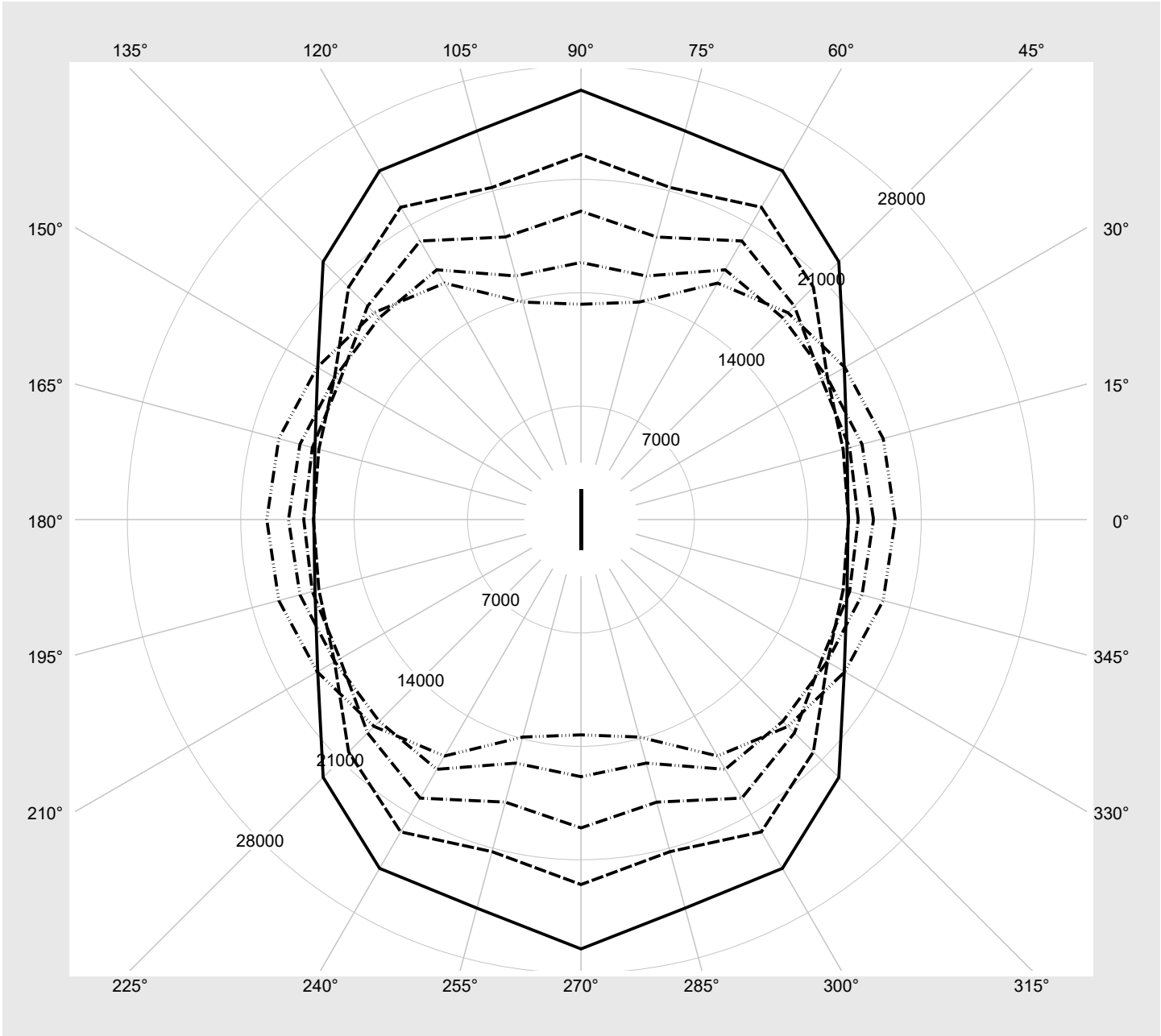
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 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/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14500	91.1
95	240	252	13769	86.2
90	226	250	13027	81.3
85	213	248	12330	76.7
80	200	245	11625	72.1
75	186	243	10860	67.4
70	173	240	10143	62.9
65	160	237	9422	58.5
60	147	234	8695	54.0
55	134	231	7958	49.7
50	122	227	7274	45.7
45	109	223	6528	41.5
40	96	218	5774	37.2
35	84	213	5071	33.2
30	72	208	4362	29.5
25	60	201	3647	25.6
20	48	193	2924	21.7
15	36	182	2198	17.8
10	24	168	1465	13.9
5	12	142	727	10.2
2	4	102	231	7.8