

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD1BDN4E5M
EAN: 4058352918357

LP-Nummer
58521_177

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

Seriendokumentation
02.11.2023

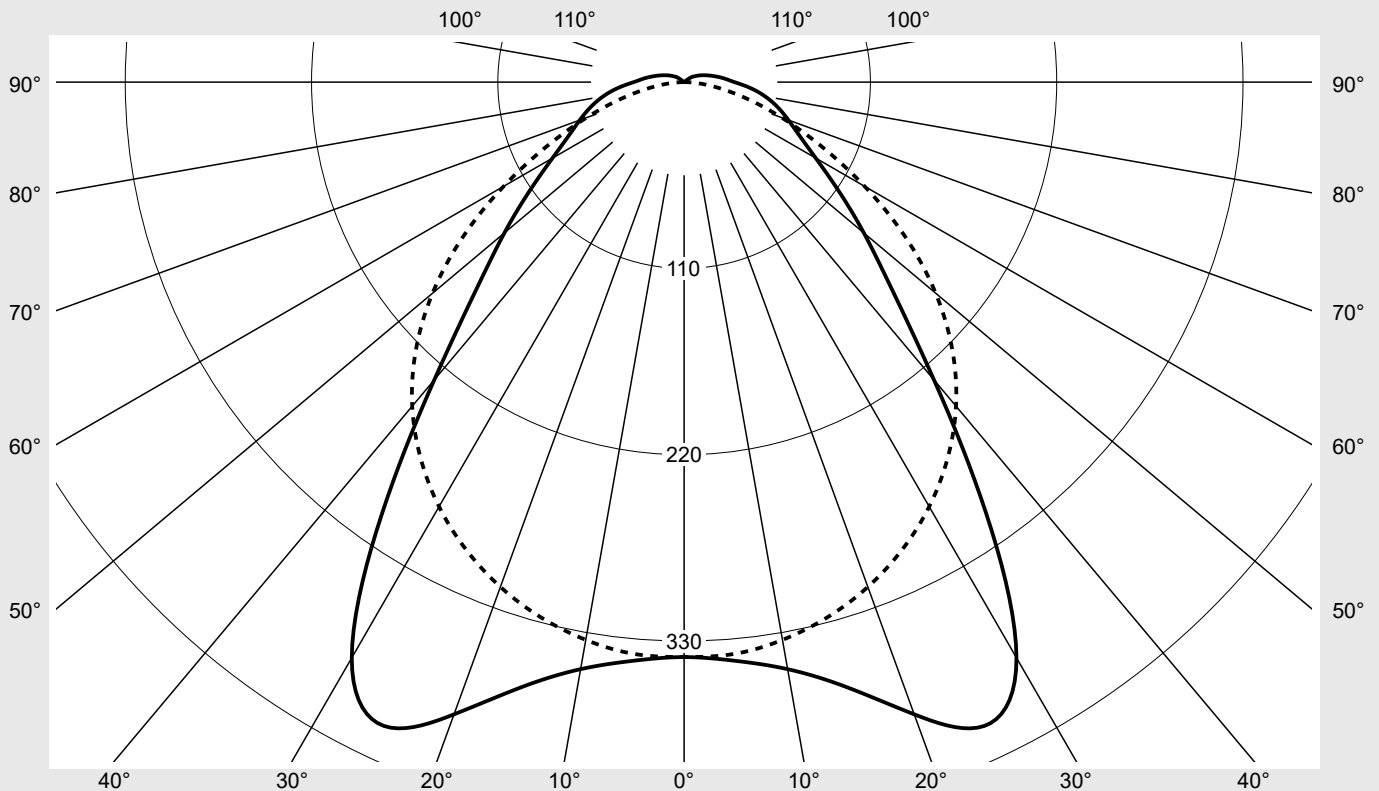
sitEco

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

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

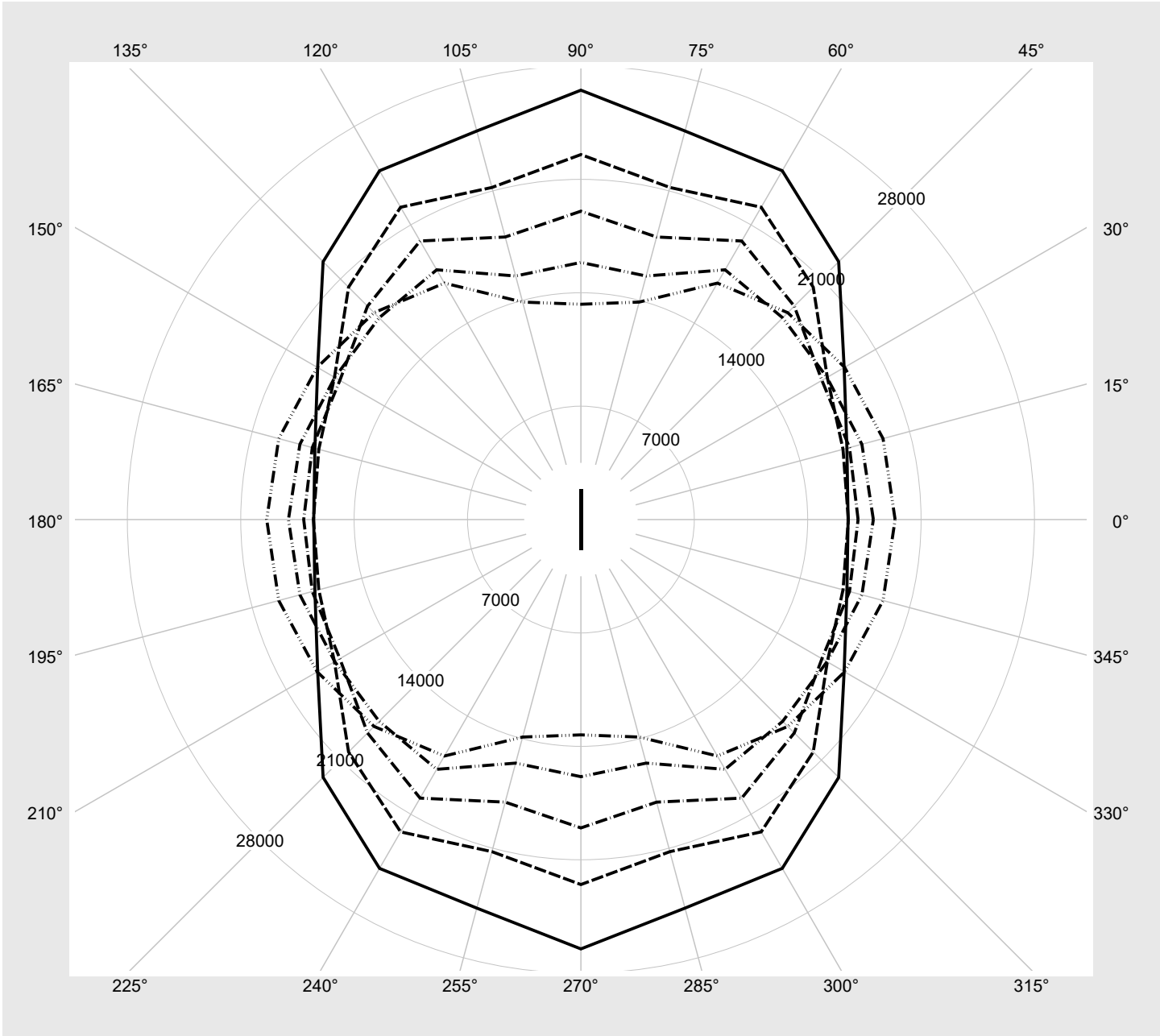
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 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	87.3
95	240	252	13767	82.4
90	226	250	13025	77.5
85	213	248	12327	72.9
80	200	245	11622	68.3
75	186	243	10859	63.6
70	173	240	10142	59.1
65	160	237	9419	54.7
60	147	234	8691	50.2
55	134	231	7957	45.9
50	122	227	7273	41.9
45	109	223	6527	37.7
40	96	218	5773	33.4
35	84	213	5070	29.4
30	72	208	4360	25.7
25	60	201	3646	21.8
20	48	193	2925	17.9
15	36	182	2198	14.0
10	24	168	1467	10.1
5	12	142	727	6.4
2	4	102	230	4.0