

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD12VN455F
EAN: 4058352749975

LP-Nummer
58524_209



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI CLO
Bemessungswerte Nettolichtstrom = 5500 lm
 Systemleistung = 33.9 W
 Lichtausbeute = 162.2 lm/W

Seriendokumentation
08.11.2022

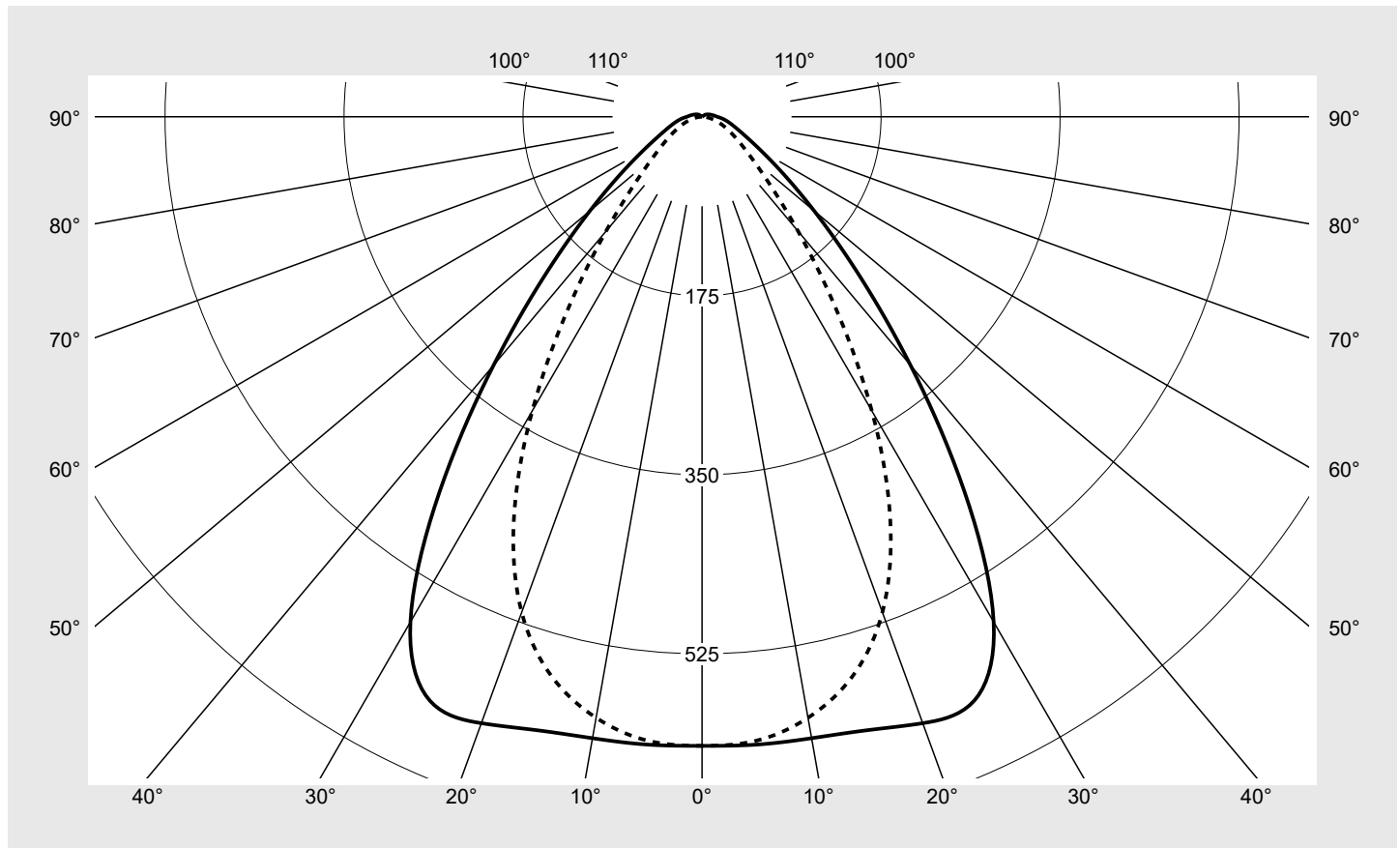
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 631 cd/klm



Klassifizierungen

DIN 5040 A 5 1
 CIE N1=73 N2=92 N3=98
 N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,6%
 ϕ_o 1,4%

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 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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7	
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9	
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5	
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3	
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7	
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3	
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9	
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8	
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3	
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9	
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4	
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4	
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2	
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9	
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7	
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8	
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0	
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8	
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8	
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0	
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6	
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6	
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2	
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4	
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3	
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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	19,2	20,6	19,6	20,9	21,3	15,9	17,4	16,3	17,7	18,0
	3H	19,6	20,9	20,0	21,2	21,6	16,3	17,6	16,7	17,9	18,3
	4H	19,9	21,0	20,3	21,4	21,7	16,4	17,6	16,8	18,0	18,4
	6H	20,1	21,2	20,6	21,6	21,9	16,6	17,7	17,0	18,0	18,4
	8H	20,4	21,3	20,8	21,7	22,1	16,7	17,7	17,1	18,0	18,4
	12H	20,5	21,4	21,0	21,8	22,2	16,7	17,6	17,1	18,0	18,4
4H	2H	19,2	20,4	19,6	20,8	21,2	16,5	17,6	16,9	18,0	18,3
	3H	19,8	20,8	20,2	21,2	21,6	16,9	17,9	17,4	18,3	18,7
	4H	20,1	21,0	20,6	21,4	21,9	17,2	18,0	17,6	18,5	18,9
	6H	20,5	21,3	21,0	21,7	22,2	17,4	18,1	17,8	18,6	19,0
	8H	20,8	21,5	21,3	21,9	22,4	17,4	18,1	17,9	18,6	19,0
	12H	21,1	21,6	21,6	22,1	22,6	17,5	18,1	18,0	18,6	19,1
8H	4H	20,1	20,8	20,6	21,3	21,8	17,4	18,1	17,9	18,5	19,0
	6H	20,6	21,2	21,1	21,7	22,2	17,7	18,2	18,2	18,7	19,2
	8H	21,0	21,5	21,5	21,9	22,5	17,8	18,3	18,3	18,8	19,3
	12H	21,4	21,8	21,9	22,3	22,8	17,9	18,3	18,4	18,8	19,4
12H	4H	20,1	20,8	20,6	21,2	21,7	17,5	18,0	18,0	18,5	19,0
	6H	20,7	21,1	21,2	21,6	22,2	17,8	18,2	18,3	18,7	19,3
	8H	21,0	21,4	21,5	21,9	22,5	17,9	18,3	18,4	18,8	19,4

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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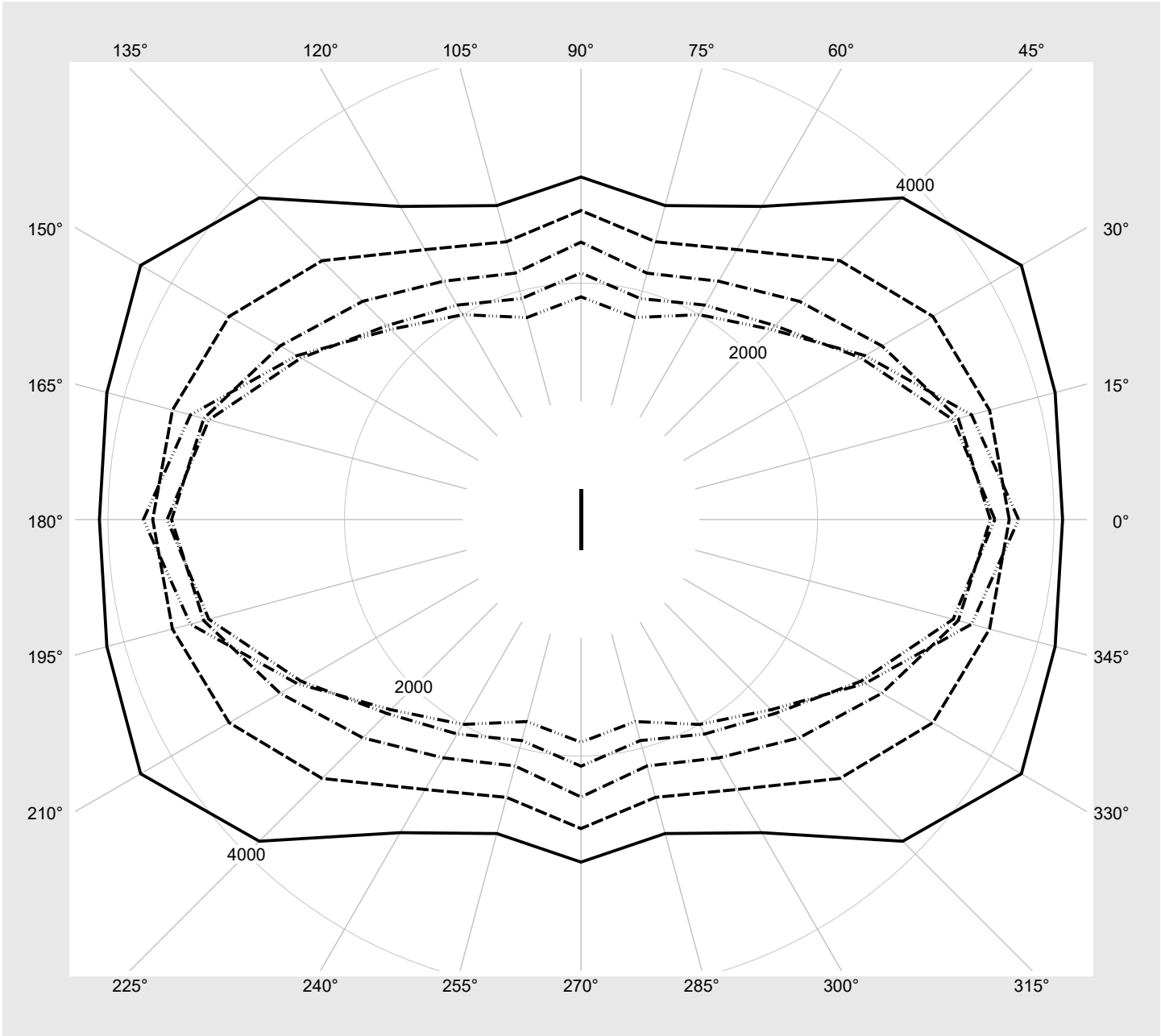
C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		12355.3	13131.2	14372.2	12939.7	9184.9	6822.2	6336.0	
50°		8846.7	9453.2	10557.8	9413.4	6587.8	4989.3	4748.1	
55°		6478.6	6893.1	7704.2	6761.2	4810.5	3885.9	3846.5	
60°		4957.2	5185.4	5658.0	5015.5	3726.5	3195.2	3283.7	
65°		4073.0	4151.2	4300.4	3847.6	3057.9	2749.3	2897.2	
70°		3622.0	3577.2	3435.9	3096.6	2636.2	2432.7	2613.4	
75°		3462.6	3303.0	2938.0	2610.6	2327.6	2157.5	2346.5	
80°		3500.4	3258.3	2734.1	2319.6	2094.4	1935.3	2086.0	
85°		3700.8	3419.7	2773.3	2274.4	2001.0	1768.8	1883.8	

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	5500	33.9	38.7	36.3
95	241	252	5228	32.2	36.8	34.5
90	228	250	4956	30.5	34.9	32.7
85	214	248	4665	28.7	32.8	30.8
80	201	245	4390	27.1	30.9	29.0
75	189	243	4135	25.6	29.2	27.4
70	176	241	3859	24.0	27.2	25.6
65	163	238	3583	22.4	25.4	23.9
60	150	235	3303	20.7	23.5	22.1
55	137	231	3024	19.1	21.6	20.4
50	124	228	2741	17.4	19.8	18.6
45	112	224	2478	15.9	18.0	17.0
40	99	219	2195	14.2	16.1	15.2
35	87	215	1928	12.8	14.4	13.6
30	74	209	1640	11.2	12.5	11.8
25	62	202	1372	9.8	10.9	10.4
20	50	194	1106	8.3	9.2	8.8
15	38	184	834	6.8	7.5	7.2
10	25	169	543	5.2	5.6	5.4
5	13	145	274	3.8	4.0	3.9
3	7	122	143	3.0	3.2	3.1