

Lichttechnischer Prüfbefund

Familie

Licross® 11 Protected



Bestell-Nr.: 51TP11DN4F5S

EAN: 4058352930175

LP-Nummer

58525_183

Ausführung Prismenabdeckung, satiniert, eng strahlend**Bestückung** LED 4000 K | CRI ≥ 80**Betriebsgerät** EVG-DALI**Bemessungswerte** Nettolichtstrom = 15510 lm

Systemleistung = 87.3 W

Lichtausbeute = 177.7 lm/W

Seriendokumentation

14.09.2023

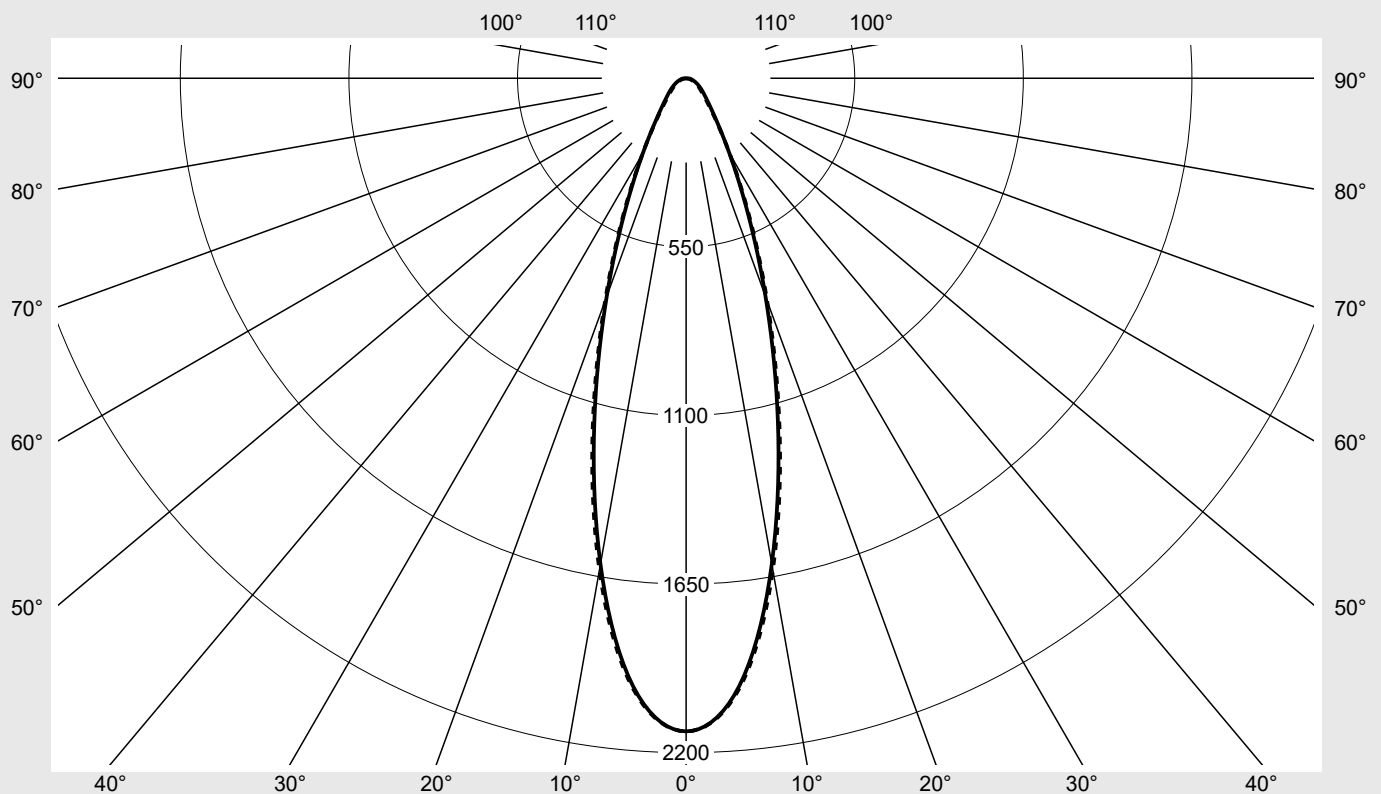
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 2130 cd/klm



Klassifizierungen

DIN 5040 A 7 1

CIE N1=84 N2=94 N3=98

N4=99 N5=100

Leuchtenbetriebswirkungsgrade

 η_{LB} 100,0% ϕ_u 99,1% ϕ_o 0,9%

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°			
γ		Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	17,6	18,8	17,9	19,1	19,4	17,2	18,4	17,6	18,7	19,1
	3H	18,7	19,7	19,0	20,1	20,4	18,1	19,2	18,5	19,5	19,9
	4H	19,2	20,2	19,6	20,5	20,9	18,5	19,5	18,9	19,9	20,2
	6H	19,6	20,5	20,1	20,9	21,3	18,8	19,7	19,2	20,1	20,5
	8H	20,0	20,7	20,4	21,1	21,5	19,0	19,7	19,4	20,1	20,5
	12H	20,1	20,8	20,6	21,2	21,6	19,0	19,7	19,5	20,1	20,5
4H	2H	17,8	18,8	18,2	19,2	19,6	17,5	18,5	17,9	18,9	19,2
	3H	19,1	19,9	19,5	20,3	20,7	18,6	19,4	19,0	19,8	20,2
	4H	19,7	20,5	20,2	20,9	21,3	19,1	19,8	19,5	20,2	20,7
	6H	20,4	21,0	20,8	21,4	21,9	19,5	20,1	19,9	20,5	21,0
	8H	20,7	21,2	21,2	21,7	22,2	19,6	20,2	20,1	20,6	21,1
	12H	21,0	21,4	21,5	21,9	22,4	19,7	20,2	20,2	20,7	21,2
8H	4H	19,9	20,5	20,4	20,9	21,4	19,3	19,9	19,8	20,3	20,8
	6H	20,7	21,1	21,2	21,6	22,1	19,9	20,3	20,4	20,8	21,3
	8H	21,1	21,5	21,6	22,0	22,5	20,0	20,5	20,6	20,9	21,5
	12H	21,5	21,8	22,0	22,3	22,9	20,2	20,5	20,7	21,1	21,6
12H	4H	20,0	20,4	20,5	20,9	21,4	19,4	19,8	19,9	20,3	20,8
	6H	20,8	21,1	21,3	21,6	22,1	20,0	20,3	20,5	20,8	21,3
	8H	21,2	21,5	21,7	22,0	22,6	20,2	20,5	20,7	21,0	21,6

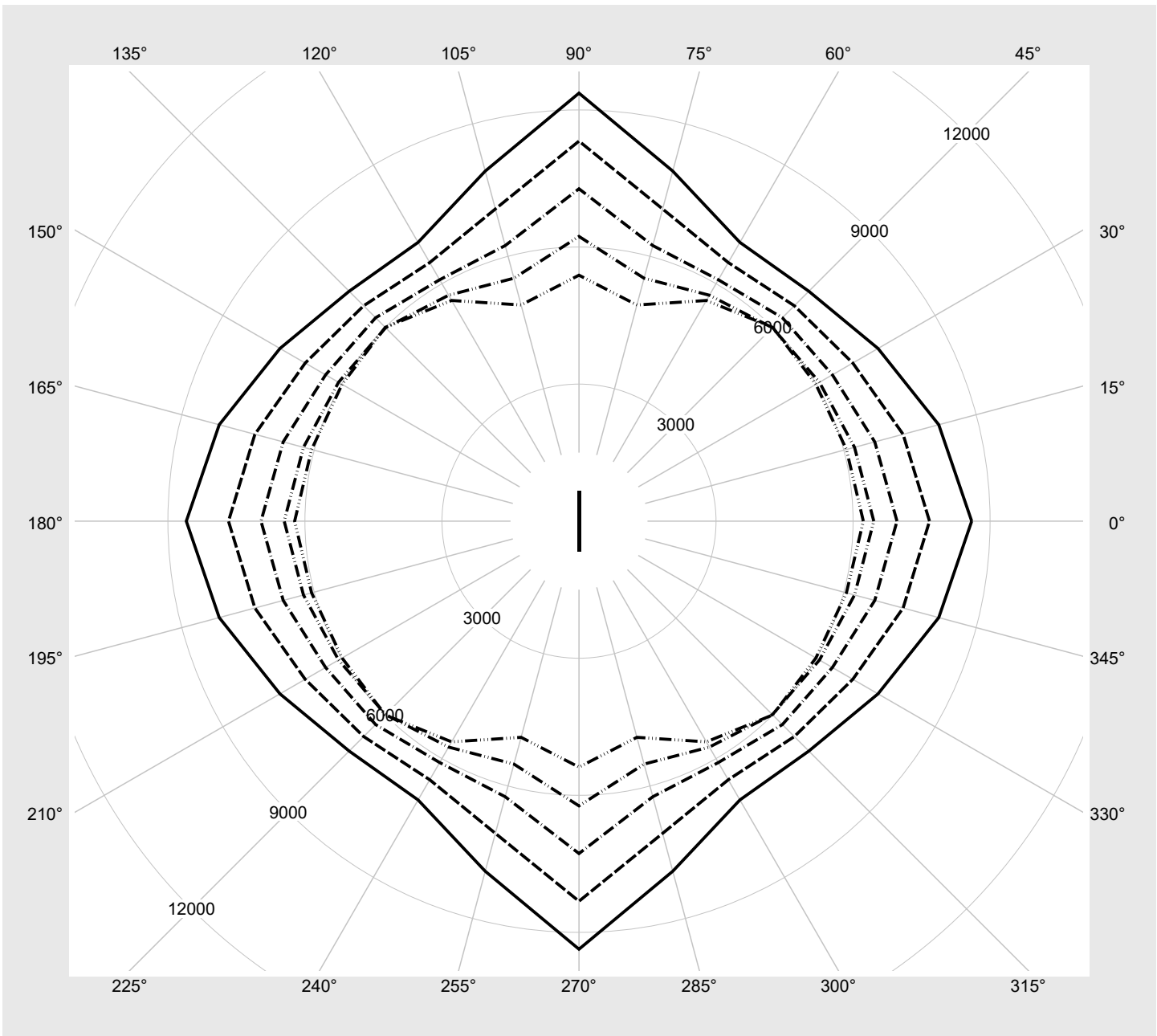
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		15069.6	14378.4	13120.3	12597.4	13071.2	14357.1	15723.3	
50°		12713.7	11980.6	10725.3	10068.6	10391.9	11755.4	13305.6	
55°		11075.6	10386.4	9281.8	8604.7	8786.0	10113.2	11761.0	
60°		9726.9	9148.9	8297.6	7711.0	7735.8	8907.1	10506.6	
65°		8597.1	8154.1	7559.3	7115.9	7045.4	7931.9	9367.9	
70°		7673.6	7345.9	6921.5	6667.0	6535.8	7073.6	8318.2	
75°		6961.9	6703.8	6405.7	6296.4	6100.6	6244.1	7274.3	
80°		6454.0	6244.8	6078.5	5987.6	5709.6	5504.7	6231.6	
85°		6225.1	6060.7	5989.3	5998.0	5577.2	4898.1	5383.1	

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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		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	15510	87.3
95	240	252	14728	82.4
90	226	250	13934	77.5
85	213	248	13189	72.9
80	200	245	12435	68.3
75	186	243	11617	63.6
70	173	240	10850	59.1
65	160	237	10079	54.7
60	147	234	9300	50.2
55	134	231	8512	45.9
50	122	227	7781	41.9
45	109	223	6983	37.7
40	96	218	6176	33.4
35	84	213	5425	29.4
30	72	208	4666	25.7
25	60	201	3901	21.8
20	48	193	3128	17.9
15	36	182	2351	14.0
10	24	168	1568	10.1
5	12	142	777	6.4
2	4	102	247	4.0