

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TS12VN475F
EAN: 4058352466551

LP-Nummer
58522_49



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI CLO
Bemessungswerte Nettolichtstrom = 7700 lm
 Systemleistung = 50.6 W
 Lichtausbeute = 152.2 lm/W

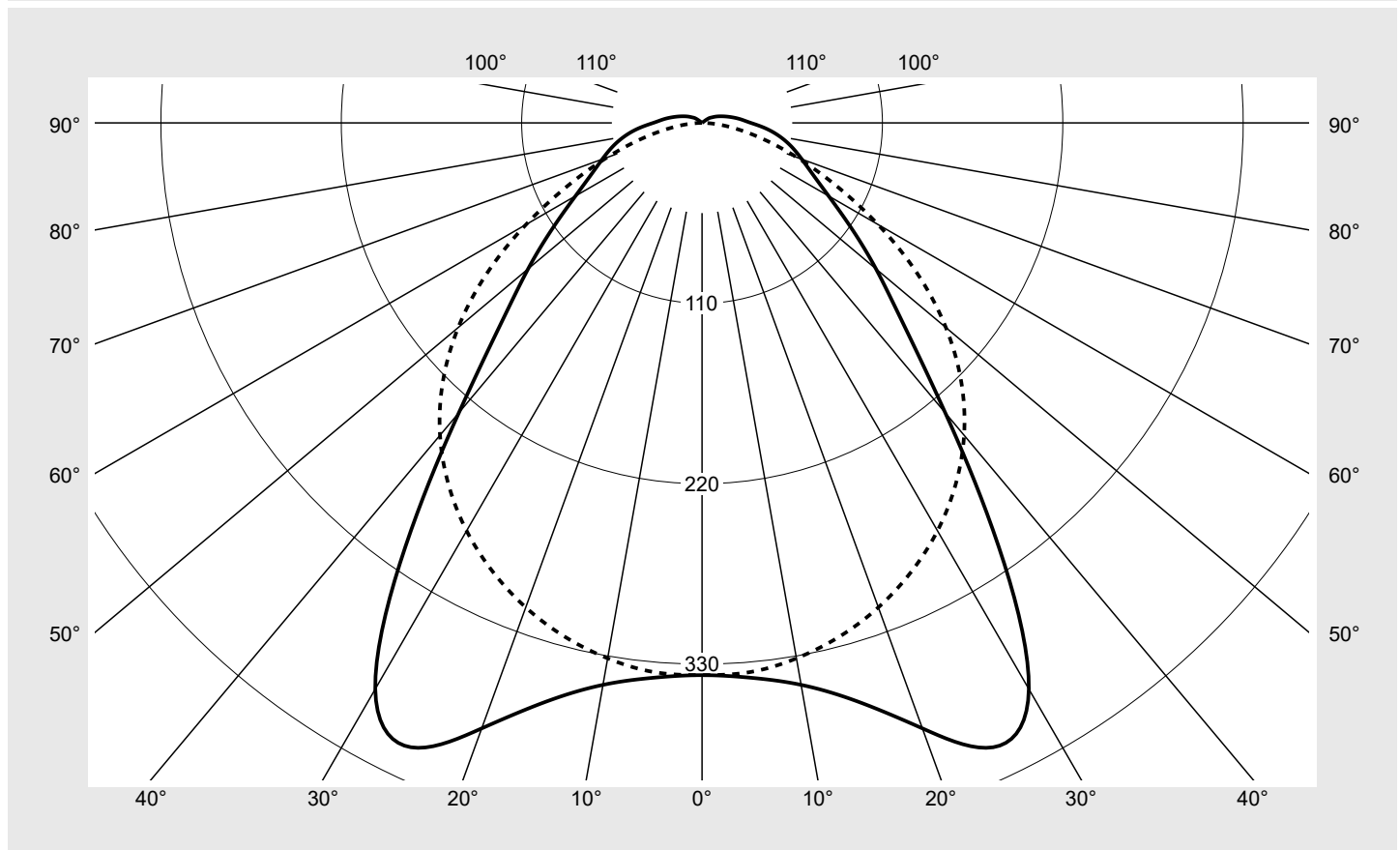
Seriendokumentation
04.12.2020

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Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 420 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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	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	20,3	21,9	20,6	22,2	22,5	22,1	23,8	22,5	24,1	24,4
	3H	21,4	22,9	21,8	23,2	23,6	23,2	24,6	23,5	25,0	25,3
	4H	22,1	23,5	22,5	23,9	24,2	23,5	24,9	23,9	25,2	25,6
	6H	22,9	24,2	23,3	24,5	24,9	23,8	25,0	24,2	25,4	25,8
	8H	23,3	24,5	23,7	24,9	25,3	23,9	25,1	24,3	25,4	25,8
	12H	23,7	24,8	24,1	25,2	25,6	23,9	25,0	24,3	25,4	25,8
4H	2H	21,1	22,5	21,5	22,8	23,2	22,6	24,0	23,0	24,3	24,7
	3H	22,5	23,6	22,9	24,0	24,4	23,9	25,0	24,3	25,4	25,8
	4H	23,3	24,3	23,7	24,7	25,2	24,4	25,4	24,8	25,8	26,3
	6H	24,2	25,1	24,6	25,5	26,0	24,7	25,6	25,2	26,1	26,5
	8H	24,6	25,5	25,1	25,9	26,4	24,8	25,7	25,3	26,1	26,6
	12H	25,1	25,9	25,6	26,3	26,8	24,9	25,7	25,4	26,2	26,6
8H	4H	23,7	24,5	24,1	25,0	25,5	24,6	25,5	25,1	25,9	26,4
	6H	24,8	25,5	25,2	25,9	26,4	25,2	25,9	25,6	26,3	26,8
	8H	25,4	26,0	25,8	26,5	27,0	25,4	26,0	25,9	26,5	27,0
	12H	26,0	26,5	26,5	27,0	27,6	25,5	26,1	26,0	26,6	27,1
12H	4H	23,8	24,5	24,2	25,0	25,5	24,7	25,5	25,2	25,9	26,4
	6H	24,9	25,5	25,4	26,0	26,5	25,3	25,9	25,8	26,4	26,9
	8H	25,5	26,1	26,1	26,6	27,1	25,5	26,1	26,1	26,6	27,1

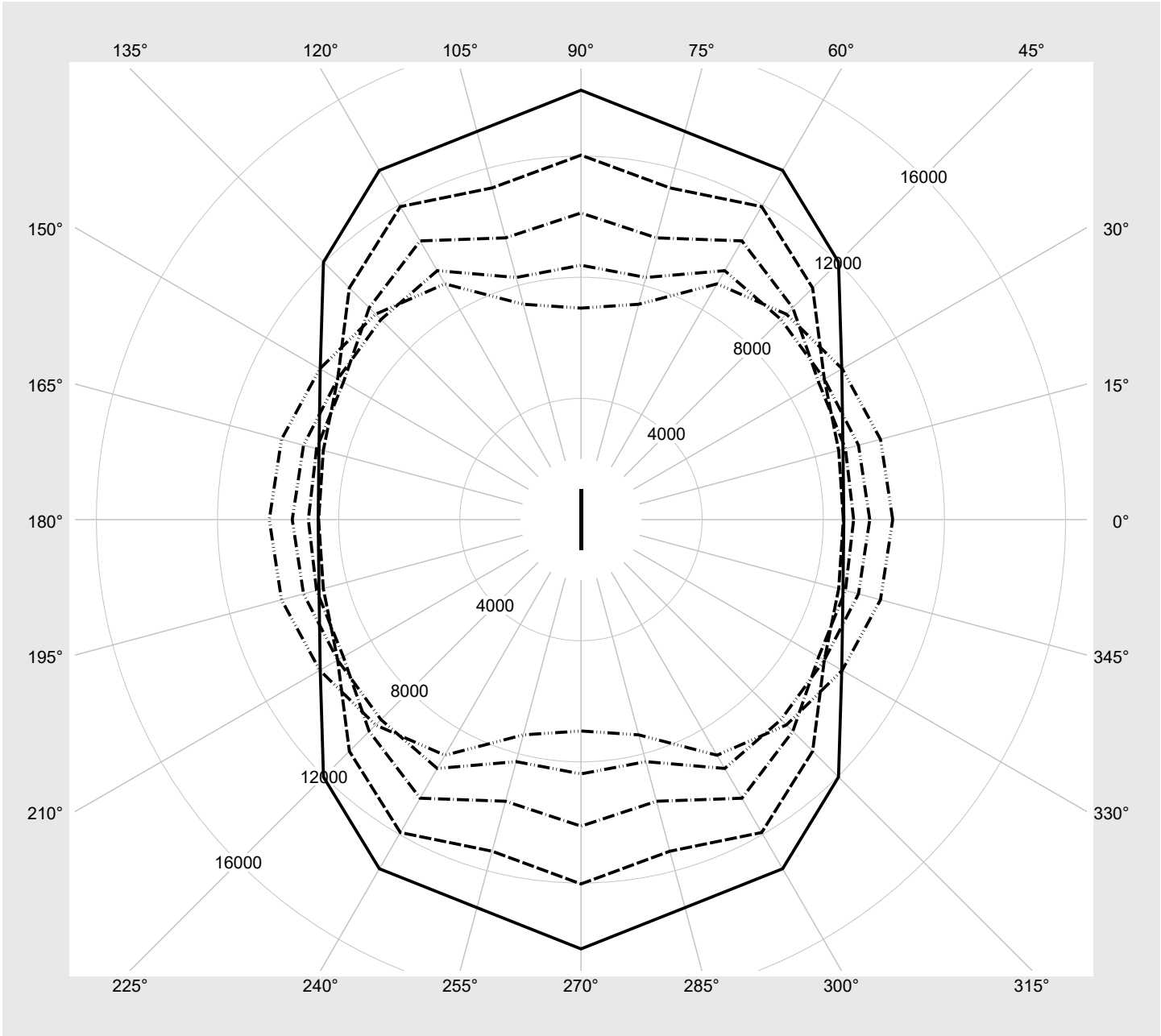
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		14058.2	14796.5	16946.8	20235.1	22487.1	21701.0	21093.9	
50°		11988.4	12578.0	14309.4	17134.7	19699.0	20197.4	20143.9	
55°		10385.3	10919.6	12556.8	14960.9	17108.4	17953.7	18649.5	
60°		9226.8	9639.7	11056.3	13391.1	14980.4	15501.7	16534.2	
65°		8677.7	8955.2	9941.6	12024.0	13314.0	13266.3	14176.8	
70°		8662.3	8808.6	9277.2	10816.5	11931.7	11337.4	12032.2	
75°		9001.8	9039.2	9060.9	9889.9	10624.4	9629.4	10123.3	
80°		9534.0	9484.4	9276.9	9341.4	9490.2	8275.3	8398.0	
85°		10292.3	10236.5	9957.4	9590.8	8986.6	7360.2	6981.2	

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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
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	7700	50.6	57.4	54.0
95	240	252	7304	47.9	54.2	51.0
90	227	250	6927	45.3	51.3	48.3
85	214	248	6554	42.8	48.3	45.6
80	200	245	6149	40.0	45.2	42.6
75	188	243	5776	37.5	42.5	40.0
70	175	240	5396	35.0	39.6	37.3
65	162	238	5010	32.5	36.7	34.6
60	149	234	4627	30.0	33.9	32.0
55	136	231	4233	27.5	31.0	29.2
50	123	227	3841	25.1	28.2	26.6
45	111	224	3478	22.8	25.6	24.2
40	98	219	3077	20.4	22.7	21.5
35	86	214	2709	18.1	20.3	19.2
30	73	208	2304	15.6	17.4	16.5
25	61	202	1930	13.4	14.9	14.2
20	49	194	1548	11.1	12.3	11.7
15	37	183	1169	9.0	9.9	9.4
10	25	169	782	6.8	7.3	7.0
5	13	145	398	4.6	4.9	4.8
2	5	110	146	3.1	3.2	3.2