

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TS12VN455F
EAN: 4058352466520

LP-Nummer
58522_51



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI CLO
Bemessungswerte Nettolichtstrom = 5510 lm
 Systemleistung = 35.8 W
 Lichtausbeute = 153.9 lm/W

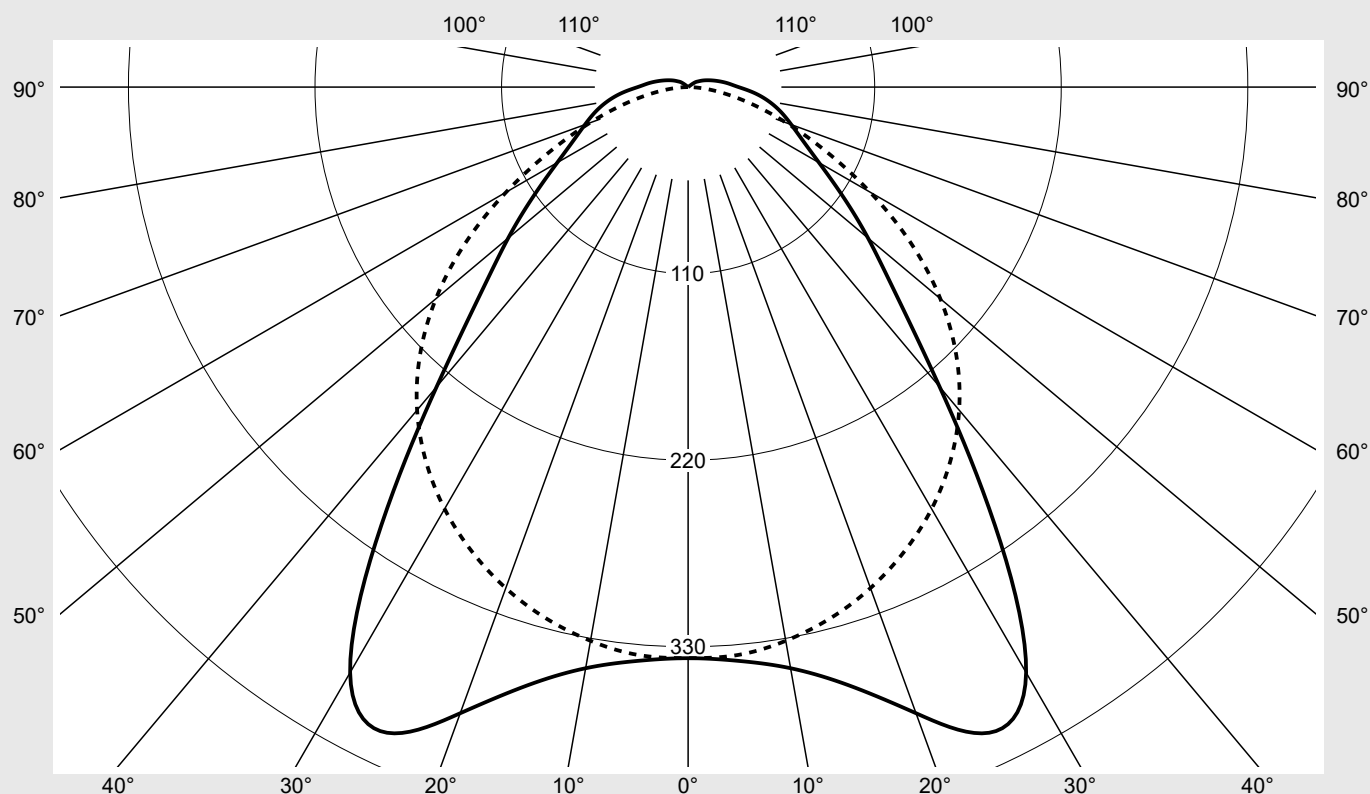
Seriendokumentation
04.12.2020

siteco

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									
γ								Lichtstrom in lm/klm	
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	19,1	20,7	19,5	21,0	21,4	21,0	22,6	21,3	22,9	23,2
	3H	20,3	21,7	20,6	22,1	22,4	22,0	23,5	22,4	23,8	24,2
	4H	21,0	22,3	21,4	22,7	23,1	22,4	23,7	22,7	24,1	24,5
	6H	21,7	23,0	22,1	23,4	23,8	22,6	23,9	23,0	24,2	24,6
	8H	22,1	23,3	22,6	23,7	24,1	22,7	23,9	23,1	24,3	24,7
	12H	22,5	23,7	22,9	24,0	24,5	22,8	23,9	23,2	24,3	24,7
4H	2H	19,9	21,3	20,3	21,7	22,0	21,4	22,8	21,8	23,2	23,5
	3H	21,3	22,5	21,7	22,9	23,3	22,7	23,9	23,1	24,3	24,7
	4H	22,1	23,2	22,5	23,6	24,0	23,2	24,3	23,6	24,7	25,1
	6H	23,0	23,9	23,5	24,4	24,8	23,6	24,5	24,0	24,9	25,4
	8H	23,5	24,3	23,9	24,8	25,2	23,7	24,5	24,1	25,0	25,4
	12H	24,0	24,7	24,4	25,2	25,7	23,8	24,5	24,3	25,0	25,5
8H	4H	22,5	23,4	23,0	23,8	24,3	23,5	24,3	23,9	24,8	25,2
	6H	23,6	24,3	24,1	24,8	25,3	24,0	24,7	24,5	25,2	25,7
	8H	24,2	24,8	24,7	25,3	25,8	24,2	24,8	24,7	25,3	25,8
	12H	24,8	25,4	25,3	25,9	26,4	24,4	24,9	24,9	25,4	25,9
12H	4H	22,6	23,3	23,1	23,8	24,3	23,5	24,3	24,0	24,7	25,2
	6H	23,7	24,3	24,2	24,8	25,3	24,1	24,7	24,6	25,2	25,7
	8H	24,4	24,9	24,9	25,4	26,0	24,4	24,9	24,9	25,4	26,0

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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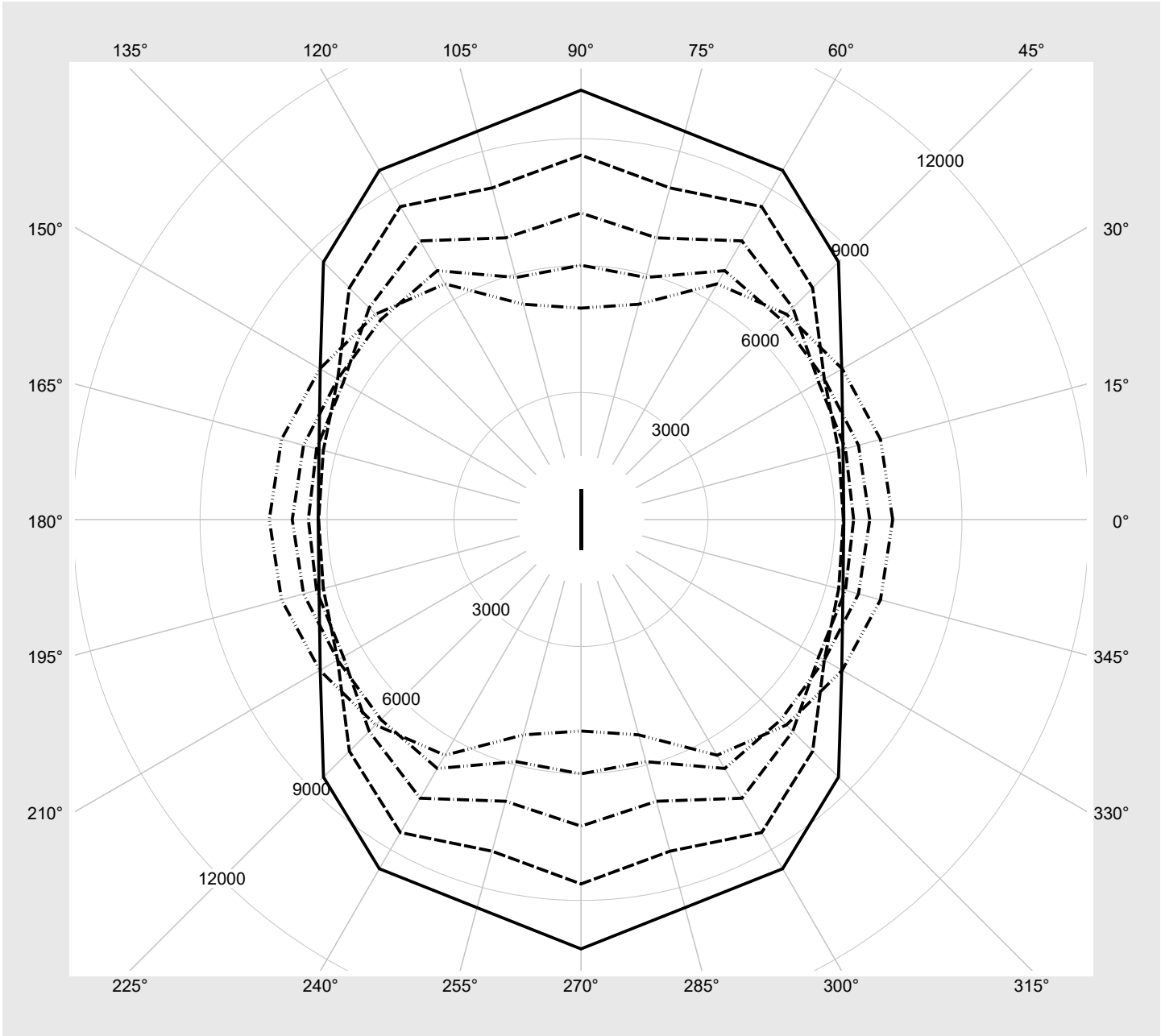
C- Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		10059.8	10588.2	12126.9	14479.9	16091.4	15528.9	15094.4	
50°		8578.7	9000.6	10239.6	12261.3	14096.3	14452.9	14414.7	
55°		7431.6	7813.9	8985.4	10705.8	12242.5	12847.4	13345.3	
60°		6602.5	6898.0	7911.7	9582.4	10719.7	11092.7	11831.6	
65°		6209.6	6408.2	7114.0	8604.2	9527.3	9493.2	10144.7	
70°		6198.6	6303.3	6638.6	7740.2	8538.1	8112.9	8610.1	
75°		6441.6	6468.3	6483.9	7077.1	7602.7	6890.7	7244.1	
80°		6822.4	6786.9	6638.4	6684.5	6791.0	5921.7	6009.5	
85°		7365.0	7325.1	7125.3	6863.1	6430.6	5266.8	4995.6	

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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	5510	35.8	41.3	38.6
95	241	252	5242	34.1	39.2	36.7
90	227	250	4949	32.1	36.9	34.5
85	214	248	4677	30.3	34.9	32.6
80	201	245	4404	28.6	32.9	30.8
75	188	243	4127	26.8	30.8	28.8
70	175	240	3850	25.2	28.8	27.0
65	162	238	3573	23.4	26.8	25.1
60	150	235	3312	21.8	24.9	23.4
55	137	231	3033	20.1	22.9	21.5
50	124	228	2752	18.4	20.9	19.6
45	112	224	2488	16.6	19.1	17.8
40	99	219	2203	15.0	17.0	16.0
35	87	215	1939	13.4	15.2	14.3
30	74	209	1648	11.7	13.3	12.5
25	62	202	1379	10.2	11.4	10.8
20	50	194	1112	8.7	9.7	9.2
15	37	183	817	6.9	7.7	7.3
10	25	169	546	5.4	5.9	5.6
5	13	145	276	3.9	4.2	4.0
3	7	122	144	3.1	3.2	3.2