

Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TS12DNE7XF
EAN: 4058352455111

LP-Nummer
58522_48



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 5000 K | CRI ≥ 90
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 7250 lm
 Systemleistung = 60.9 W
 Lichtausbeute = 119 lm/W

Seriendokumentation
08.12.2020

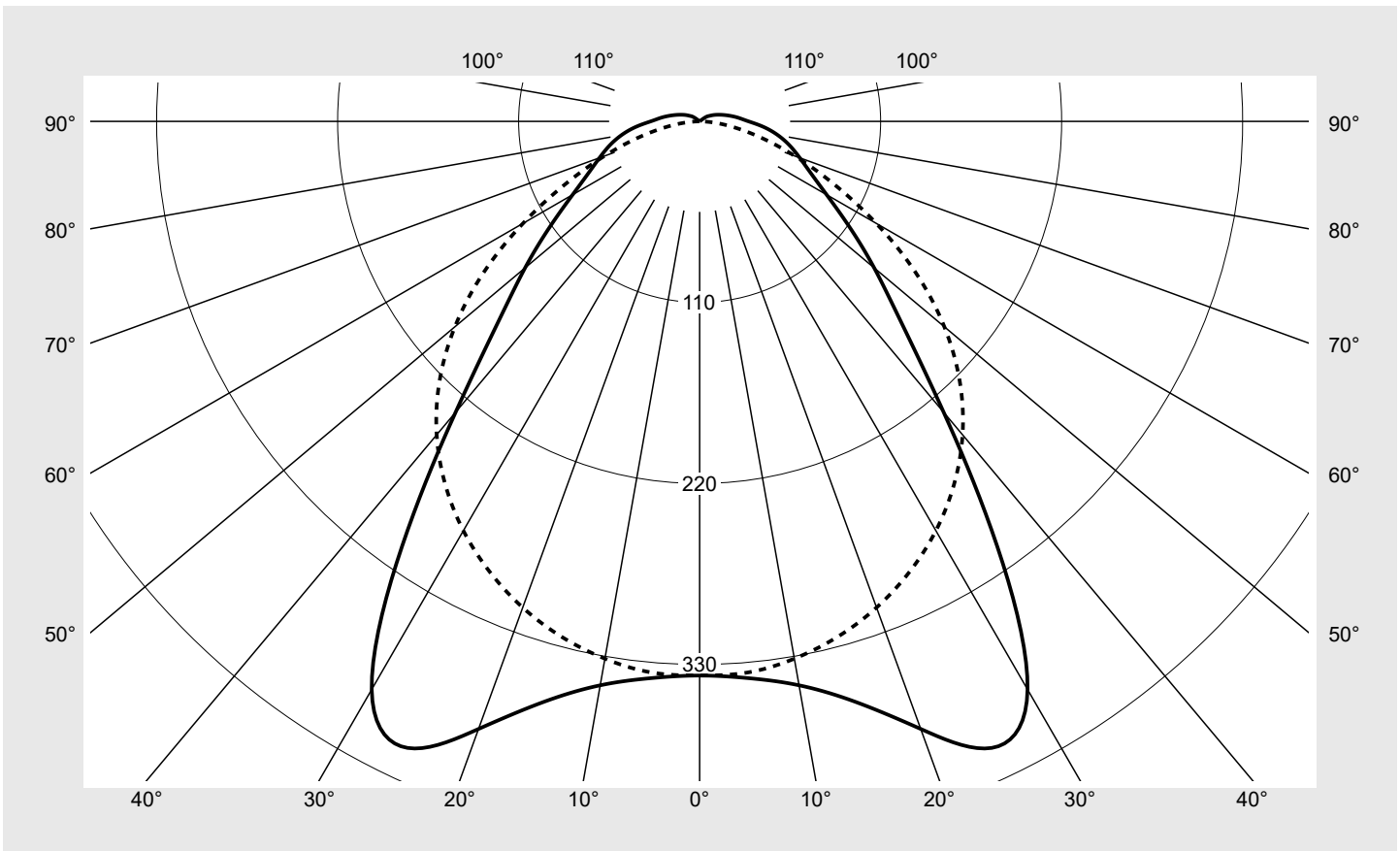
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Lichtstärke in cd/klm

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

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	20,1	21,7	20,4	22,0	22,3	21,9	23,6	22,3	23,9	24,2
	3H	21,2	22,7	21,6	23,0	23,4	22,9	24,4	23,3	24,8	25,1
	4H	21,9	23,3	22,3	23,7	24,0	23,3	24,7	23,7	25,0	25,4
	6H	22,7	24,0	23,1	24,3	24,7	23,6	24,8	24,0	25,2	25,6
	8H	23,1	24,3	23,5	24,7	25,1	23,7	24,8	24,1	25,2	25,6
	12H	23,5	24,6	23,9	25,0	25,4	23,7	24,8	24,1	25,2	25,6
4H	2H	20,9	22,3	21,3	22,6	23,0	22,4	23,8	22,8	24,1	24,5
	3H	22,2	23,4	22,7	23,8	24,2	23,6	24,8	24,1	25,2	25,6
	4H	23,1	24,1	23,5	24,5	25,0	24,1	25,2	24,6	25,6	26,0
	6H	24,0	24,9	24,4	25,3	25,8	24,5	25,4	25,0	25,9	26,3
	8H	24,4	25,3	24,9	25,7	26,2	24,6	25,5	25,1	25,9	26,4
	12H	24,9	25,7	25,4	26,1	26,6	24,7	25,5	25,2	25,9	26,4
8H	4H	23,5	24,3	23,9	24,8	25,2	24,4	25,3	24,9	25,7	26,2
	6H	24,6	25,3	25,0	25,7	26,2	25,0	25,7	25,4	26,1	26,6
	8H	25,1	25,8	25,6	26,3	26,8	25,2	25,8	25,7	26,3	26,8
	12H	25,8	26,3	26,3	26,8	27,4	25,3	25,9	25,8	26,4	26,9
12H	4H	23,5	24,3	24,0	24,8	25,2	24,5	25,2	25,0	25,7	26,2
	6H	24,7	25,3	25,2	25,8	26,3	25,1	25,7	25,6	26,2	26,7
	8H	25,3	25,9	25,8	26,4	26,9	25,3	25,9	25,8	26,4	26,9

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°		13236.6	13931.8	15956.4	19052.5	21172.9	20432.8	19861.1	
50°		11287.8	11842.9	13473.1	16133.3	18547.7	19017.0	18966.7	
55°		9778.4	10281.4	11822.9	14086.6	16108.6	16904.4	17559.6	
60°		8687.5	9076.3	10410.2	12608.5	14104.9	14595.7	15567.9	
65°		8170.5	8431.9	9360.6	11321.3	12536.0	12491.0	13348.3	
70°		8156.0	8293.8	8735.1	10184.4	11234.3	10674.8	11329.1	
75°		8475.8	8511.0	8531.4	9311.9	10003.5	9066.7	9531.6	
80°		8976.8	8930.2	8734.8	8795.4	8935.6	7791.7	7907.2	
85°		9690.8	9638.3	9375.4	9030.3	8461.4	6930.0	6573.2	

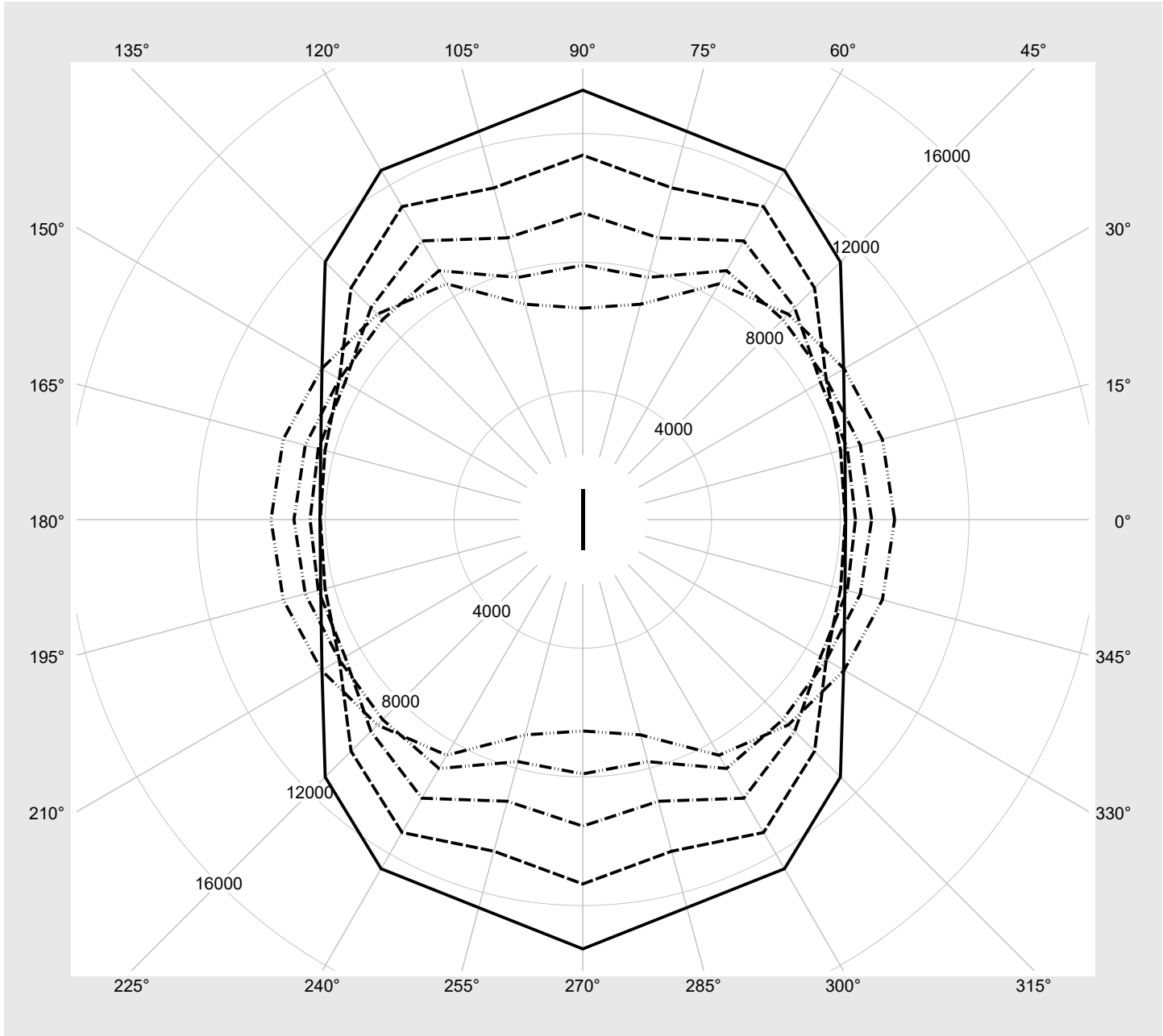
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	7250	60.9
95	239	252	6875	57.3
90	225	250	6518	53.8
85	211	247	6155	50.4
80	198	245	5811	47.2
75	184	242	5436	43.8
70	171	240	5080	40.7
65	158	237	4721	37.5
60	145	233	4354	34.4
55	132	230	3984	31.5
50	120	227	3638	28.6
45	107	222	3260	25.6
40	95	218	2906	22.8
35	83	213	2549	20.2
30	71	207	2187	17.4
25	59	201	1821	14.8
20	47	192	1454	12.1
15	35	181	1082	9.4
10	24	168	737	6.9
5	12	142	358	4.4
1	4	102	103	2.6