

Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TD1B7N48XG
EAN: 4058352903223

LP-Nummer
58522_231



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 8090 lm
Systemleistung = 47.9 W
Lichtausbeute = 168.9 lm/W

Seriendokumentation
04.08.2023

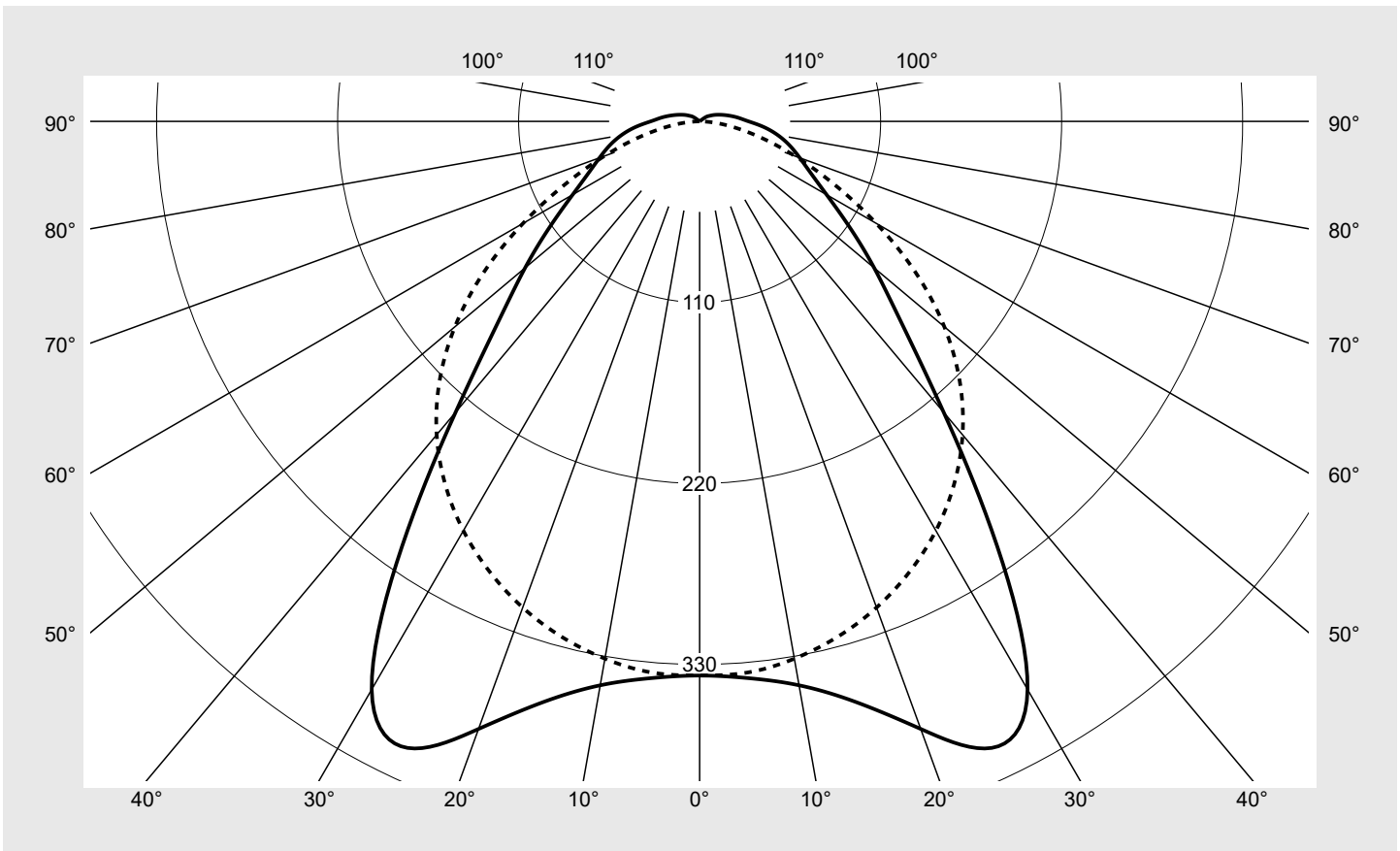
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Lichtstärke in cd/klm

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

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°	45°	14770.2	15546.0	17805.2	21260.0	23626.0	22800.1	22162.3	
50°	50°	12595.6	13215.1	15034.1	18002.5	20696.7	21220.3	21164.2	
55°	55°	10911.3	11472.6	13192.8	15718.7	17974.9	18863.0	19594.0	
60°	60°	9694.1	10127.9	11616.3	14069.3	15739.2	16286.8	17371.6	
65°	65°	9117.2	9408.8	10445.1	12633.0	13988.4	13938.3	14894.9	
70°	70°	9101.0	9254.7	9747.1	11364.4	12536.0	11911.6	12641.7	
75°	75°	9457.8	9497.1	9519.9	10390.8	11162.6	10117.1	10636.0	
80°	80°	10016.8	9964.8	9746.8	9814.5	9970.9	8694.4	8823.3	
85°	85°	10813.6	10755.0	10461.7	10076.6	9441.7	7733.0	7334.8	

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

