

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD1BCN4D5M
EAN: 4058352918319

LP-Nummer
58521_175

Ausführung Prismenabdeckung, satiniert, breit strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen CLOi

Bemessungswerte
Nettolichtstrom = 13520 lm
Systemleistung = 77.6 W
Lichtausbeute = 174.2 lm/W

Seriendokumentation
12.10.2023

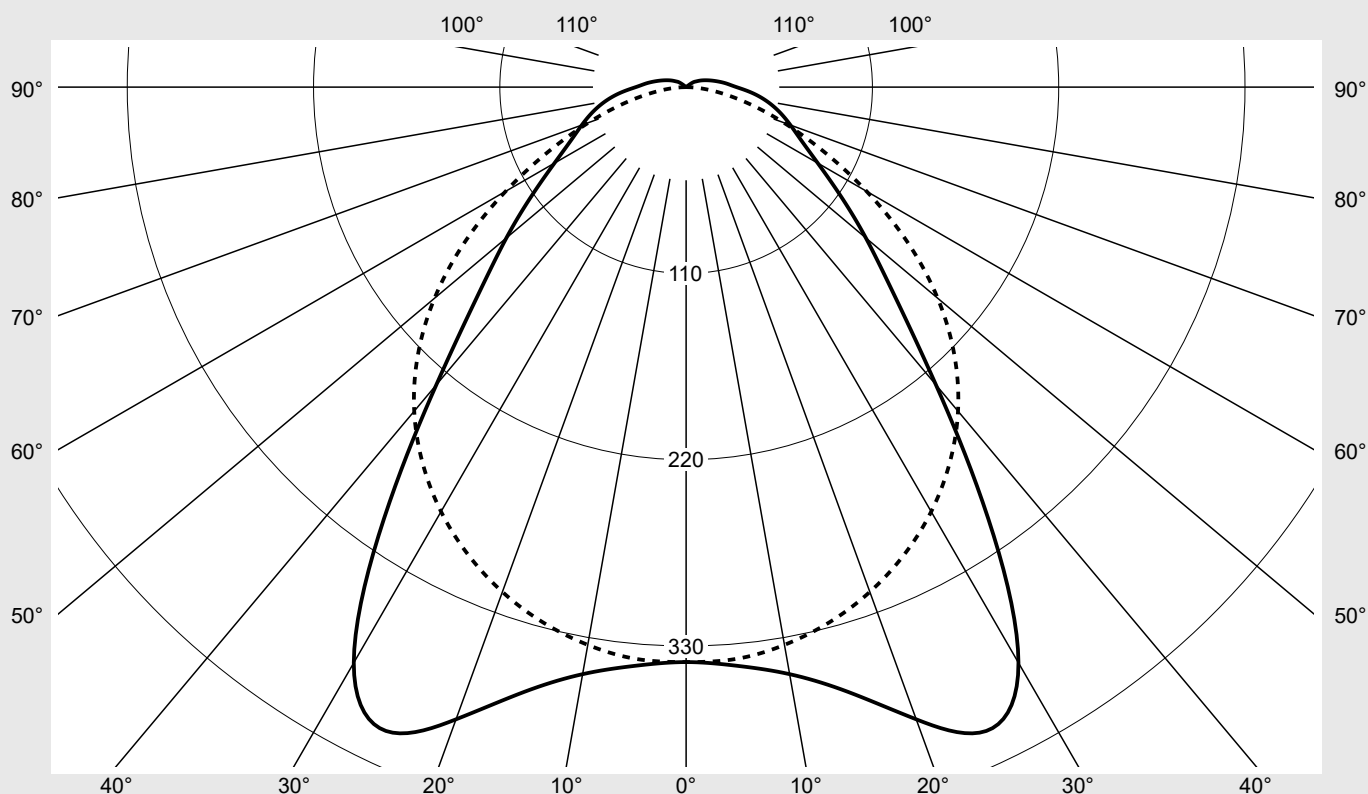
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 419 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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0	
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3	
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9	
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2	
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0	
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4	
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9	
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2	
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9	
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1	
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0	
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1	
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5	
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1	
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1	
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6	
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4	
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2	
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2	
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2	
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3	
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9	
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3	
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5	
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1	
125°	4.5	4.0	2.9	1.3	0.8	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	22,2	23,8	22,6	24,2	24,5	24,1	25,7	24,4	26,0	26,3
	3H	23,4	24,9	23,8	25,2	25,6	25,1	26,5	25,5	26,9	27,2
	4H	24,1	25,5	24,5	25,8	26,2	25,4	26,8	25,8	27,2	27,5
	6H	24,9	26,1	25,3	26,5	26,9	25,7	27,0	26,1	27,3	27,7
	8H	25,3	26,5	25,7	26,9	27,3	25,8	27,0	26,2	27,4	27,8
	12H	25,7	26,8	26,1	27,2	27,6	25,8	27,0	26,3	27,4	27,8
4H	2H	23,0	24,4	23,4	24,8	25,1	24,5	25,9	24,9	26,2	26,6
	3H	24,4	25,6	24,8	26,0	26,4	25,8	27,0	26,2	27,3	27,7
	4H	25,2	26,3	25,7	26,7	27,1	26,3	27,3	26,7	27,7	28,2
	6H	26,2	27,1	26,6	27,5	28,0	26,6	27,6	27,1	28,0	28,5
	8H	26,6	27,5	27,1	27,9	28,4	26,8	27,6	27,2	28,1	28,5
	12H	27,1	27,9	27,6	28,3	28,8	26,9	27,6	27,4	28,1	28,6
8H	4H	25,7	26,5	26,1	27,0	27,4	26,6	27,4	27,0	27,9	28,3
	6H	26,7	27,5	27,2	27,9	28,4	27,1	27,8	27,6	28,3	28,8
	8H	27,3	28,0	27,8	28,5	29,0	27,3	27,9	27,8	28,4	28,9
	12H	28,0	28,5	28,5	29,0	29,5	27,5	28,0	28,0	28,5	29,0
12H	4H	25,7	26,5	26,2	26,9	27,4	26,6	27,4	27,1	27,8	28,3
	6H	26,9	27,5	27,4	28,0	28,5	27,2	27,8	27,7	28,3	28,8
	8H	27,5	28,1	28,0	28,6	29,1	27,5	28,0	28,0	28,5	29,0

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°		24701.6	25958.3	29604.5	35175.9	39188.9	38088.2	37112.4	
50°		21059.6	22077.8	25065.7	29884.2	34310.7	35319.4	35328.8	
55°		18284.6	19189.6	21992.7	26124.7	29811.0	31337.3	32580.4	
60°		16316.7	17014.6	19397.6	23375.1	26100.2	27057.2	28826.0	
65°		15380.0	15852.5	17497.1	20985.7	23182.7	23152.9	24712.1	
70°		15396.3	15620.1	16378.1	18914.3	20757.6	19788.9	21006.9	
75°		15956.2	16007.4	16021.0	17370.1	18513.7	16837.2	17748.2	
80°		16834.4	16745.2	16360.0	16423.8	16599.2	14512.7	14798.8	
85°		18086.5	18005.9	17528.7	16839.4	15714.3	12959.3	12392.2	

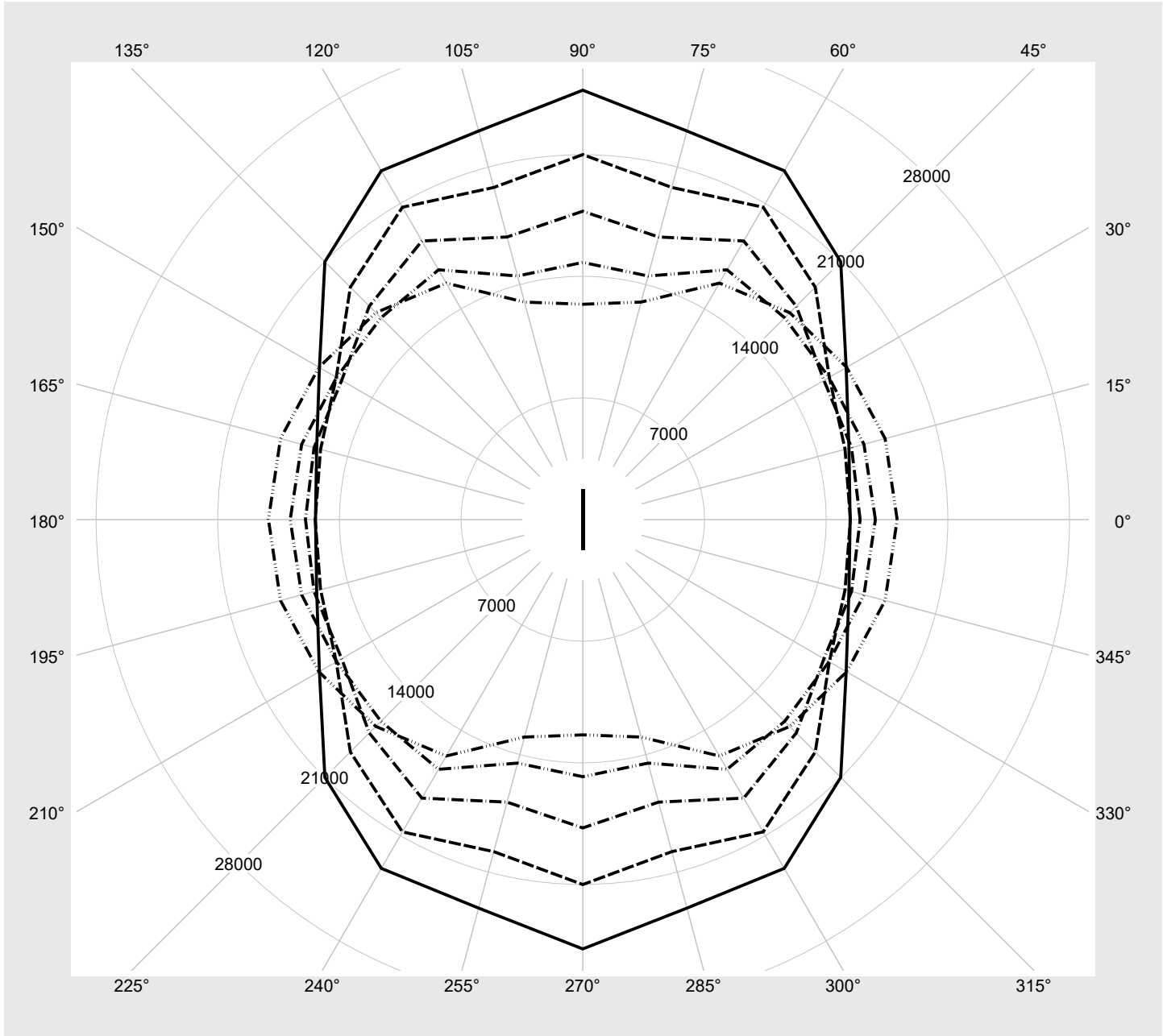
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Multilumen-Tabelle	Umgebungstemperatur: 25°C	siteco
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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
	1	2	3				
1	A	C	E	13520	77.6	87.4	82.5
2	A	C	F	12338	70.1	79.0	74.6
3	A	D	E	11423	64.3	74.9	69.6
4	A	D	F	10422	58.3	65.2	61.8
5	B	C	E	9485	52.6	58.7	55.6
6	B	C	F	8538	47.0	52.2	49.6
7	B	D	E	7580	41.5	46.2	43.8
8	B	D	F	6611	36.0	39.9	38.0