

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD1BCN485G
EAN: 4058352918296

LP-Nummer
58522_256

Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Bemessungswerte Nettolichtstrom = 8520 lm
Systemleistung = 49.4 W
Lichtausbeute = 172.5 lm/W

Seriendokumentation
12.10.2023

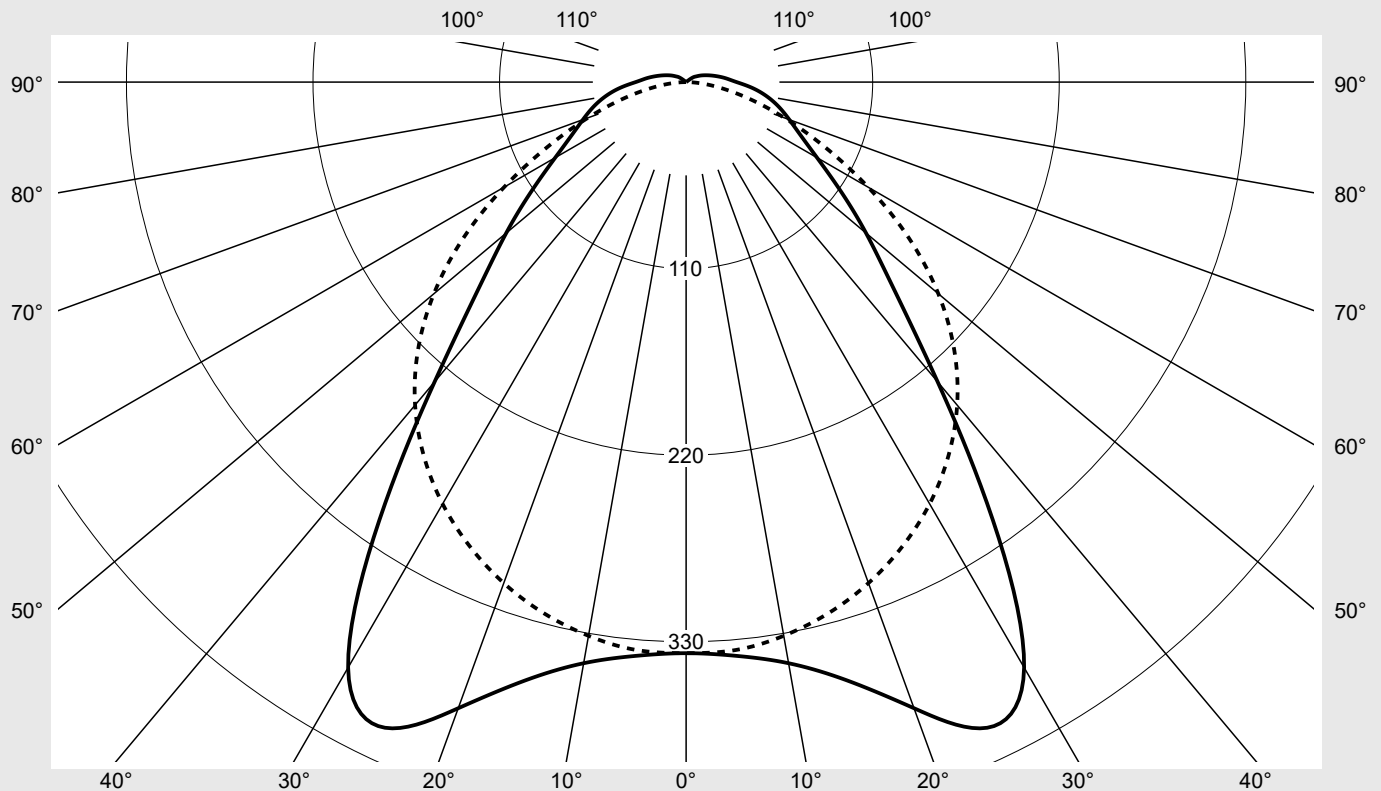
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Lichtstärke in cd/klm

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

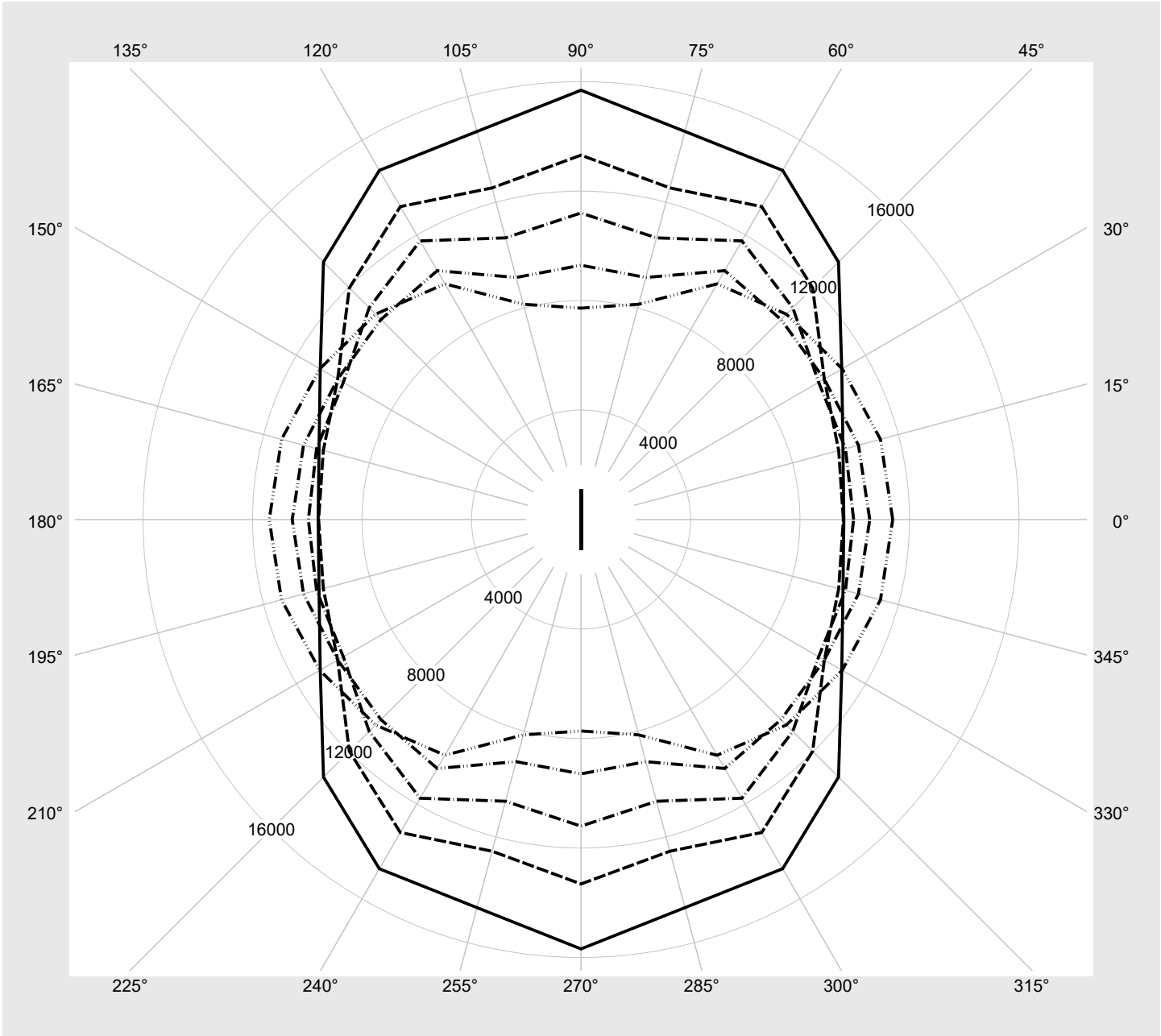
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		15555.3	16372.3	18751.6	22390.0	24881.8	24012.0	23340.2	
50°		13265.1	13917.5	15833.2	18959.4	21796.8	22348.2	22289.1	
55°		11491.3	12082.4	13894.0	16554.2	18930.3	19865.6	20635.5	
60°		10209.4	10666.2	12233.7	14817.1	16575.7	17152.5	18295.0	
65°		9601.8	9908.9	11000.3	13304.5	14731.9	14679.1	15686.5	
70°		9584.7	9746.6	10265.2	11968.4	13202.3	12544.8	13313.6	
75°		9960.5	10001.9	10025.9	10943.1	11755.9	10654.9	11201.3	
80°		10549.3	10494.5	10264.9	10336.1	10500.9	9156.5	9292.3	
85°		11388.4	11326.6	11017.8	10612.2	9943.6	8144.0	7724.6	

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



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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	8520	49.4	55.3	52.4
2	A	C	F	8030	46.3	51.7	49.0
3	A	D	E	7530	43.1	48.1	45.6
4	A	D	F	7114	40.5	44.5	42.5
5	B	C	E	6603	37.4	41.8	39.6
6	B	C	F	6166	34.7	38.3	36.5
7	B	D	E	5655	31.8	35.2	33.5
8	B	D	F	5208	29.2	32.2	30.7