

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD12CN4EXM
EAN: 4058352928660

LP-Nummer
58523_223



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Bemessungswerte Nettolichtstrom = 14240 lm
 Systemleistung = 77.6 W
 Lichtausbeute = 183.5 lm/W

Seriendokumentation
12.10.2023

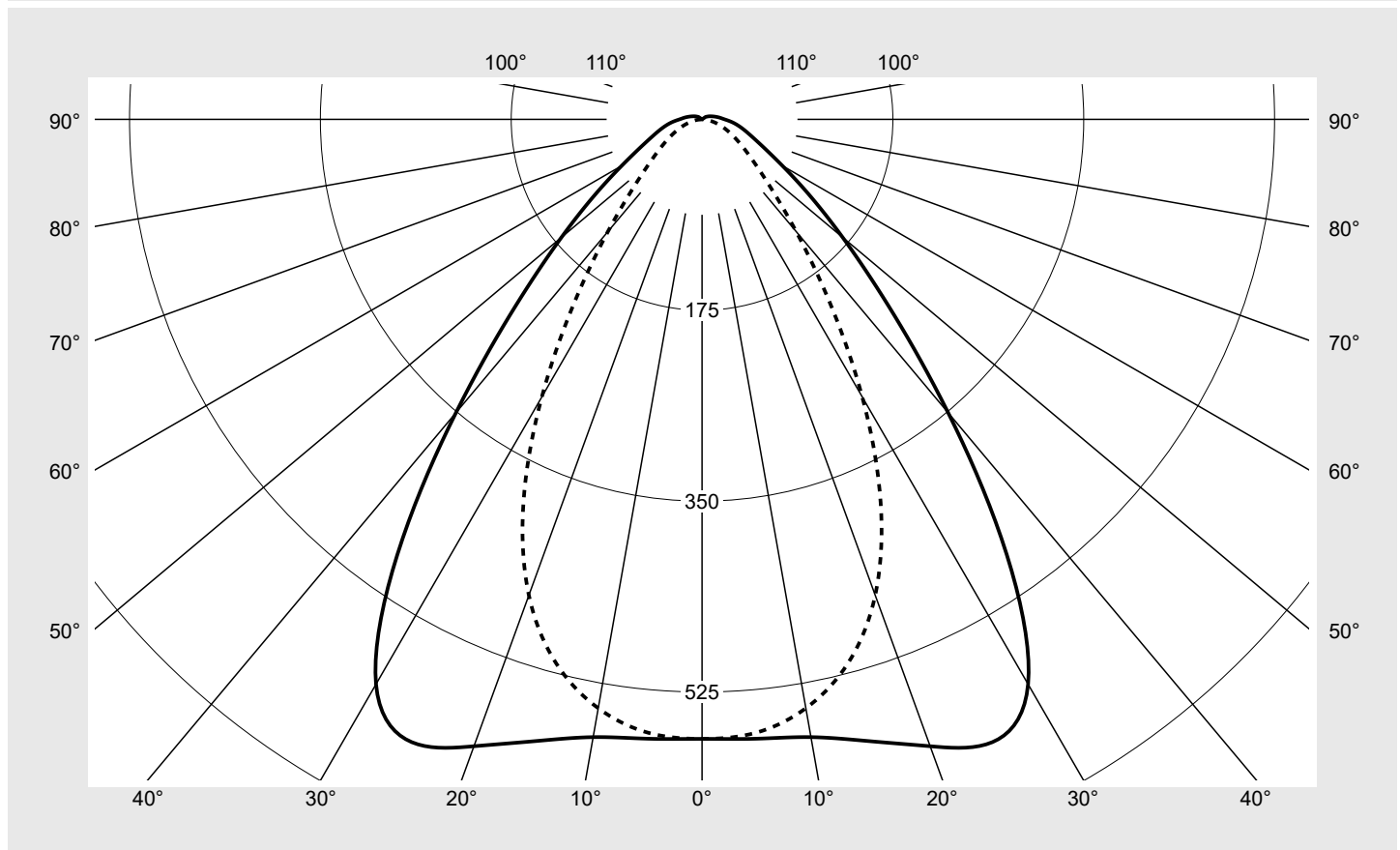
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 630 cd/klm



Klassifizierungen

DIN 5040 A 5 1
 CIE N1=70 N2=91 N3=97
 N4=98 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,3%
 ϕ_o 1,7%

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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	23,2	24,7	23,6	25,0	25,3	19,0	20,5	19,4	20,8	21,1
	3H	23,8	25,1	24,2	25,4	25,8	19,5	20,8	19,8	21,1	21,5
	4H	24,1	25,3	24,5	25,7	26,0	19,6	20,9	20,0	21,2	21,6
	6H	24,6	25,6	25,0	26,0	26,4	19,8	20,9	20,2	21,3	21,7
	8H	24,9	25,8	25,3	26,2	26,6	19,9	20,9	20,3	21,3	21,7
	12H	25,1	25,9	25,5	26,3	26,8	19,9	20,9	20,3	21,3	21,7
4H	2H	23,2	24,5	23,6	24,8	25,2	19,7	20,9	20,1	21,2	21,6
	3H	24,0	25,0	24,4	25,4	25,8	20,3	21,3	20,7	21,7	22,1
	4H	24,4	25,3	24,9	25,7	26,2	20,5	21,4	21,0	21,8	22,3
	6H	25,0	25,8	25,5	26,2	26,7	20,7	21,5	21,2	22,0	22,4
	8H	25,3	26,0	25,8	26,5	26,9	20,8	21,5	21,3	22,0	22,5
	12H	25,7	26,3	26,2	26,7	27,2	20,9	21,5	21,4	22,0	22,5
8H	4H	24,4	25,2	24,9	25,6	26,1	20,8	21,5	21,3	22,0	22,5
	6H	25,1	25,7	25,6	26,2	26,7	21,2	21,7	21,7	22,2	22,7
	8H	25,5	26,0	26,0	26,5	27,0	21,3	21,8	21,8	22,3	22,8
	12H	26,0	26,4	26,5	26,9	27,5	21,4	21,8	21,9	22,3	22,9
12H	4H	24,4	25,1	24,9	25,5	26,0	20,9	21,5	21,4	22,0	22,5
	6H	25,1	25,6	25,6	26,1	26,6	21,3	21,8	21,8	22,3	22,8
	8H	25,5	26,0	26,0	26,5	27,0	21,5	21,9	22,0	22,4	22,9

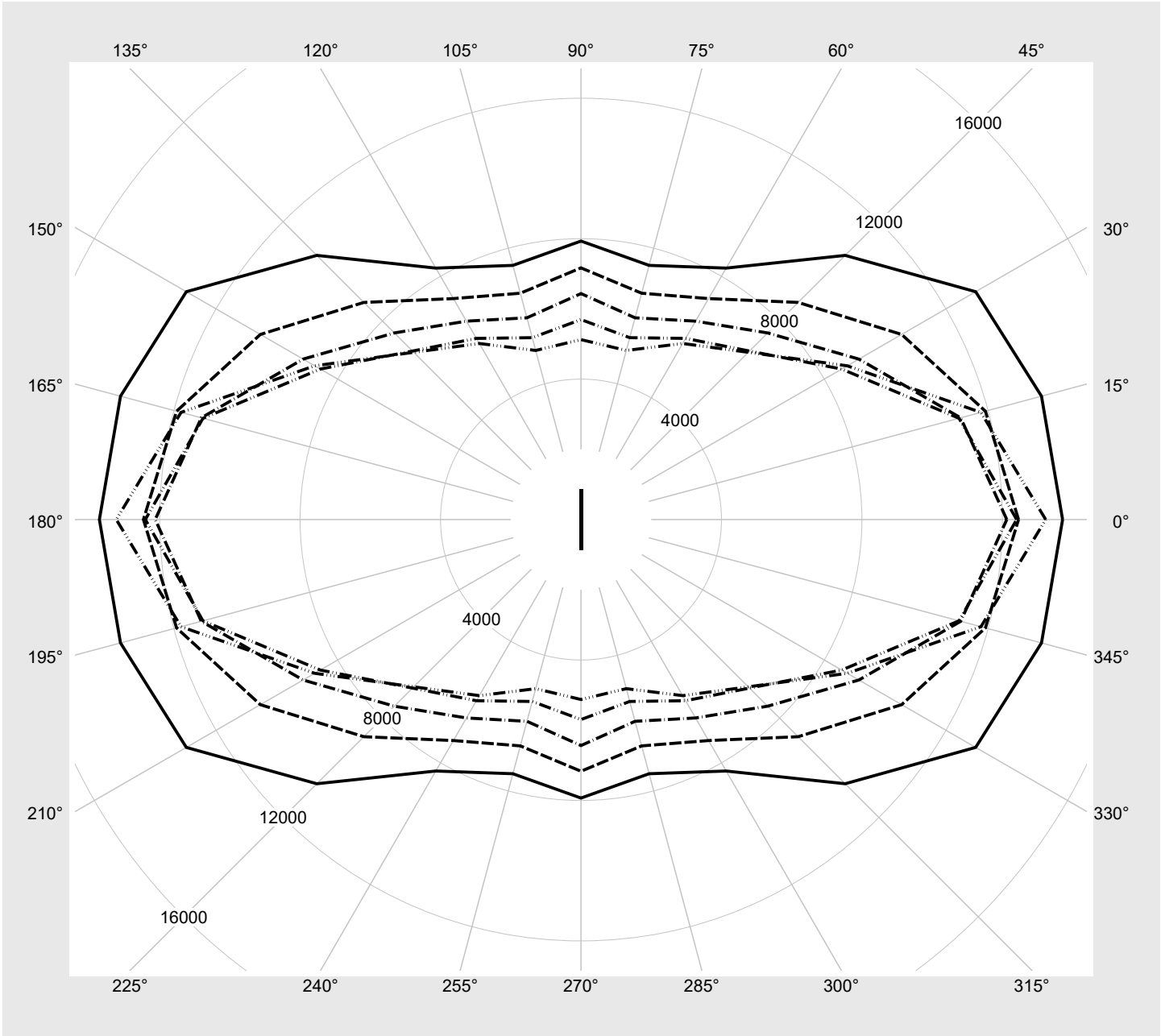
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		36142.4	37663.8	39199.4	33062.8	22607.0	16824.7	15688.9
50°		26947.3	28019.7	29300.8	24314.9	16476.3	12731.3	12227.6
55°		20650.7	21305.5	21993.0	17926.2	12412.9	10204.2	10220.6
60°		16290.5	16560.5	16653.2	13547.3	9849.5	8580.8	8896.8
65°		13715.7	13577.1	12978.6	10640.7	8269.8	7494.5	7931.9
70°		12460.9	11923.8	10544.4	8746.1	7267.5	6673.7	7168.2
75°		12126.0	11194.8	9139.2	7517.3	6524.8	5948.8	6436.1
80°		12407.6	11146.0	8572.9	6787.0	5958.0	5363.3	5695.7
85°		13234.4	11792.2	8757.6	6737.0	5790.3	4986.2	5124.9

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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	14240	77.6	87.4	82.5
2	A	C	F	13005	70.1	79.0	74.6
3	A	D	E	12035	64.3	74.9	69.6
4	A	D	F	10981	58.3	65.2	61.8
5	B	C	E	9990	52.6	58.7	55.6
6	B	C	F	8989	47.0	52.2	49.6
7	B	D	E	7988	41.5	46.2	43.8
8	B	D	F	6966	36.0	39.9	38.0