

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD12MN4F5M
EAN: 4058352928745

LP-Nummer
58523_221



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen
Bemessungswerte Nettolichtstrom = 15820 lm
 Systemleistung = 87.4 W
 Lichtausbeute = 181 lm/W

Seriendokumentation
11.10.2023

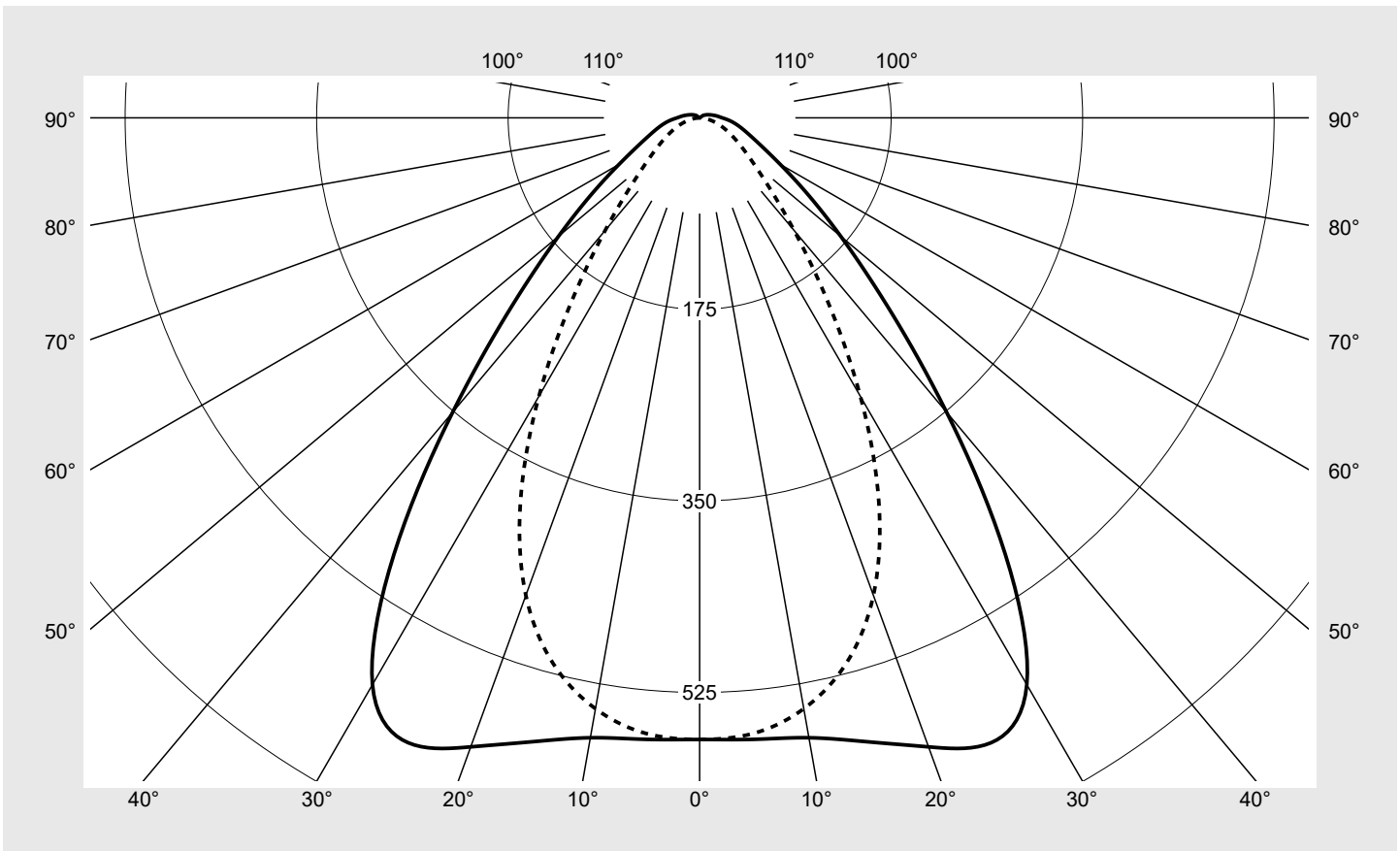
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Lichtstärke in cd/klm

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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	23,6	25,0	23,9	25,3	25,7	19,4	20,9	19,8	21,2	21,5
	3H	24,2	25,4	24,5	25,8	26,1	19,8	21,1	20,2	21,5	21,8
	4H	24,5	25,7	24,9	26,0	26,4	20,0	21,2	20,4	21,6	22,0
	6H	24,9	26,0	25,3	26,3	26,7	20,2	21,3	20,6	21,7	22,1
	8H	25,2	26,1	25,6	26,5	26,9	20,2	21,3	20,7	21,7	22,1
	12H	25,4	26,3	25,9	26,7	27,1	20,3	21,3	20,7	21,7	22,1
4H	2H	23,6	24,8	24,0	25,2	25,6	20,1	21,3	20,5	21,6	22,0
	3H	24,3	25,4	24,8	25,8	26,2	20,6	21,6	21,1	22,0	22,4
	4H	24,8	25,7	25,2	26,1	26,5	20,9	21,8	21,3	22,2	22,6
	6H	25,4	26,1	25,8	26,6	27,0	21,1	21,9	21,6	22,3	22,8
	8H	25,7	26,4	26,2	26,8	27,3	21,2	21,9	21,7	22,4	22,8
	12H	26,1	26,6	26,5	27,1	27,6	21,3	21,9	21,7	22,4	22,9
8H	4H	24,8	25,5	25,3	26,0	26,5	21,2	21,9	21,7	22,3	22,8
	6H	25,5	26,1	26,0	26,5	27,0	21,5	22,1	22,0	22,6	23,1
	8H	25,9	26,4	26,4	26,9	27,4	21,7	22,2	22,2	22,7	23,2
	12H	26,4	26,8	26,9	27,3	27,8	21,8	22,2	22,3	22,7	23,3
12H	4H	24,8	25,4	25,3	25,9	26,4	21,3	21,9	21,8	22,3	22,8
	6H	25,5	26,0	26,0	26,5	27,0	21,7	22,1	22,2	22,6	23,2
	8H	25,9	26,3	26,4	26,8	27,4	21,8	22,3	22,4	22,8	23,3

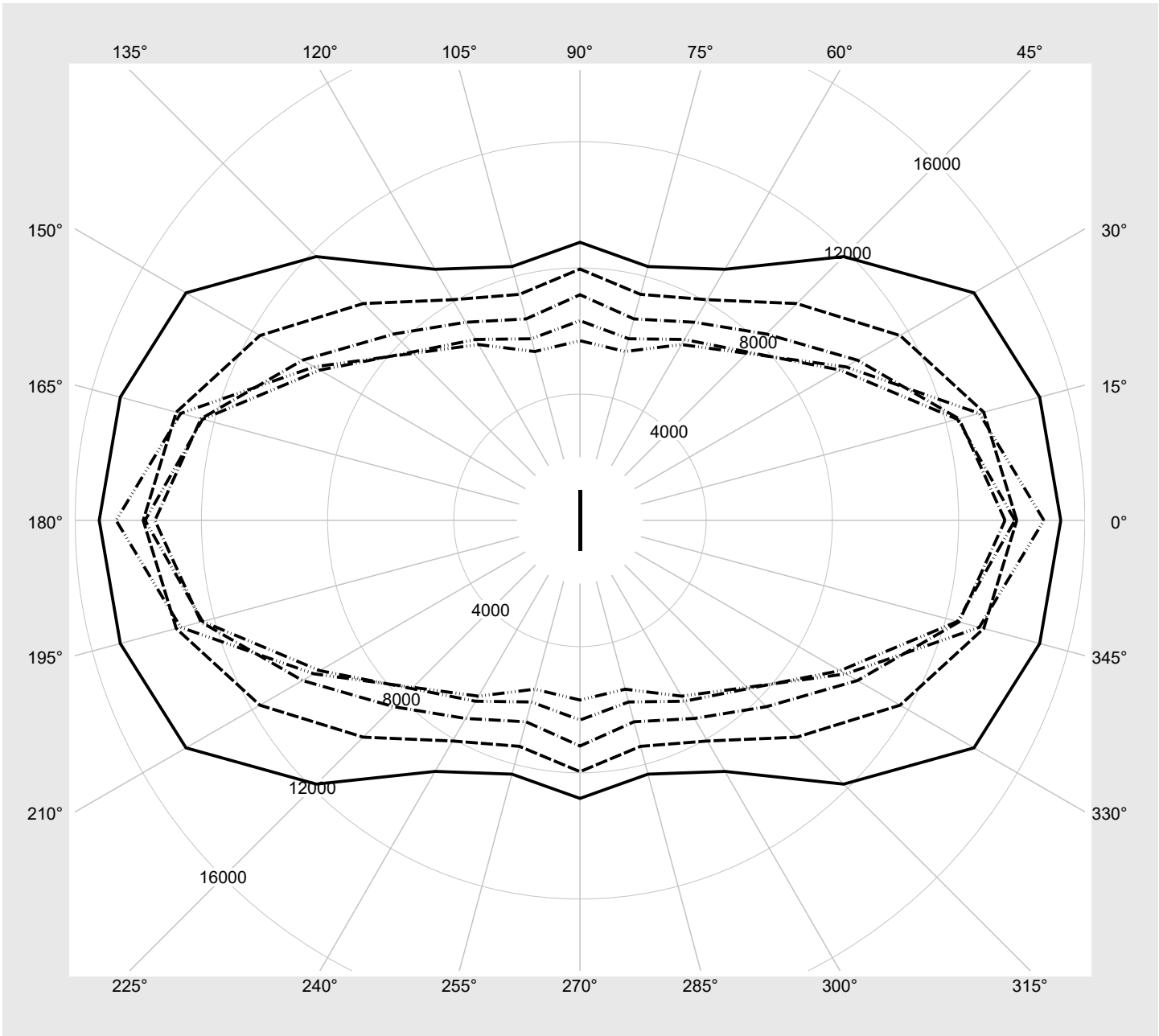
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		40152.5	41842.8	43548.7	36731.3	25115.3	18691.5	17429.7	
50°		29937.2	31128.6	32551.9	27012.7	18304.4	14143.9	13584.3	
55°		22942.0	23669.5	24433.2	19915.2	13790.2	11336.4	11354.6	
60°		18098.0	18397.9	18501.0	15050.4	10942.3	9532.9	9883.9	
65°		15237.5	15083.5	14418.7	11821.3	9187.3	8326.1	8811.9	
70°		13843.5	13246.8	11714.3	9716.5	8073.9	7414.2	7963.5	
75°		13471.4	12436.9	10153.2	8351.4	7248.8	6608.8	7150.2	
80°		13784.3	12382.7	9524.1	7540.1	6619.0	5958.3	6327.7	
85°		14702.8	13100.6	9729.3	7484.5	6432.8	5539.4	5693.5	

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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

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	15820	87.4
2	A	C	F	15042	82.6
3	A	D	E	14030	76.2
4	A	D	F	13008	70.1
5	B	C	E	12038	64.3
6	B	C	F	10983	58.3
7	B	D	E	9993	52.6
8	B	D	F	8991	47.0