

Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TS12CN475F
EAN: 4058352265123

LP-Nummer
58522_22



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Bemessungswerte Nettolichtstrom = 7680 lm
 Systemleistung = 49.0 W
 Lichtausbeute = 156.7 lm/W

Seriendokumentation
12.12.2019

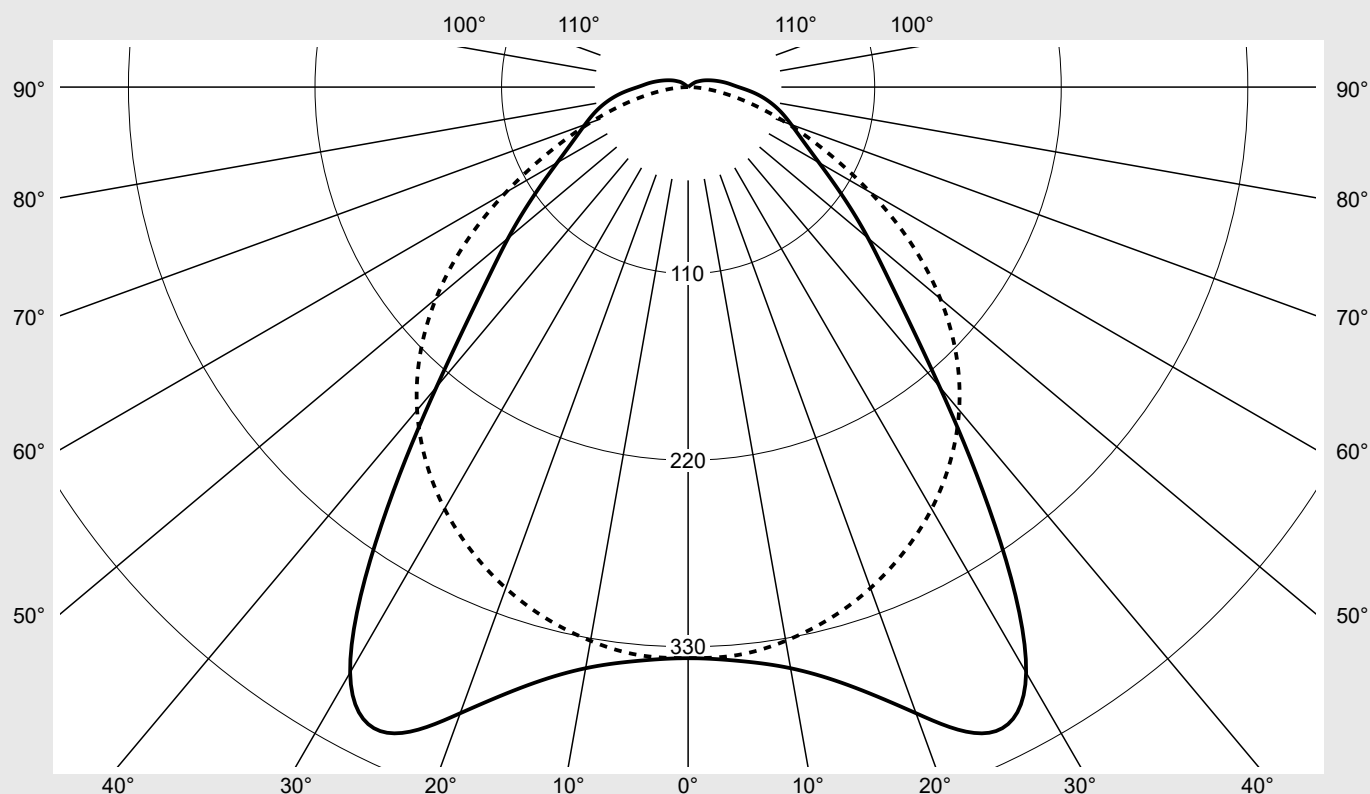
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Lichtstärke in cd/klm

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

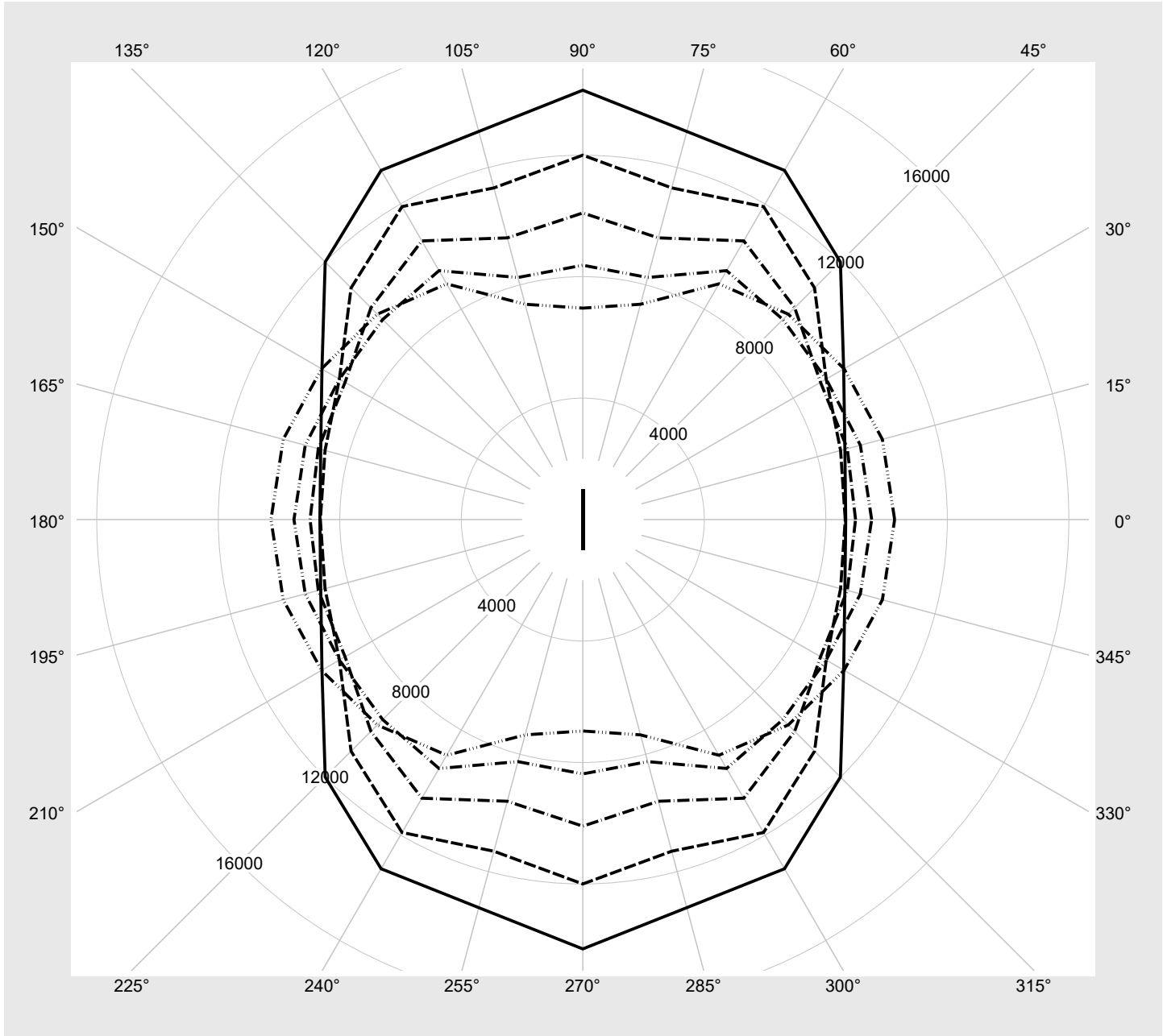
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13
		H(C90) = 0	H(C270) = 0

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°		14021.7	14758.1	16902.8	20182.6	22428.7	21644.6	21039.1	
50°		11957.3	12545.3	14272.2	17090.2	19647.8	20144.9	20091.6	
55°		10358.3	10891.2	12524.2	14922.1	17064.0	17907.1	18601.0	
60°		9202.8	9614.6	11027.6	13356.3	14941.5	15461.4	16491.2	
65°		8655.1	8932.0	9915.8	11992.8	13279.5	13231.9	14140.0	
70°		8639.8	8785.7	9253.1	10788.5	11900.7	11308.0	12001.0	
75°		8978.5	9015.8	9037.4	9864.2	10596.8	9604.4	10097.0	
80°		9509.2	9459.8	9252.8	9317.1	9465.6	8253.8	8376.1	
85°		10265.6	10209.9	9931.5	9565.9	8963.2	7341.0	6963.0	

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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	7680	49.0	54.4	51.7
2	A	C	F	7090	44.9	49.8	47.3
3	A	D	E	6640	41.8	46.2	44.0
4	A	D	F	6110	38.2	42.1	40.2
5	B	C	E	5550	34.7	38.2	36.4
6	B	C	F	5220	32.5	35.5	34.0
7	B	D	E	4740	29.5	32.0	30.8
8	B	D	F	4260	26.5	29.0	27.8