

Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TD11MN4FXS
EAN: 4058352902684

LP-Nummer
58525_180



Ausführung Prismenabdeckung, satiniert, eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen

Bemessungswerte
Nettolichtstrom = 15020 lm
Systemleistung = 83.2 W
Lichtausbeute = 180.5 lm/W

Seriendokumentation
24.08.2023

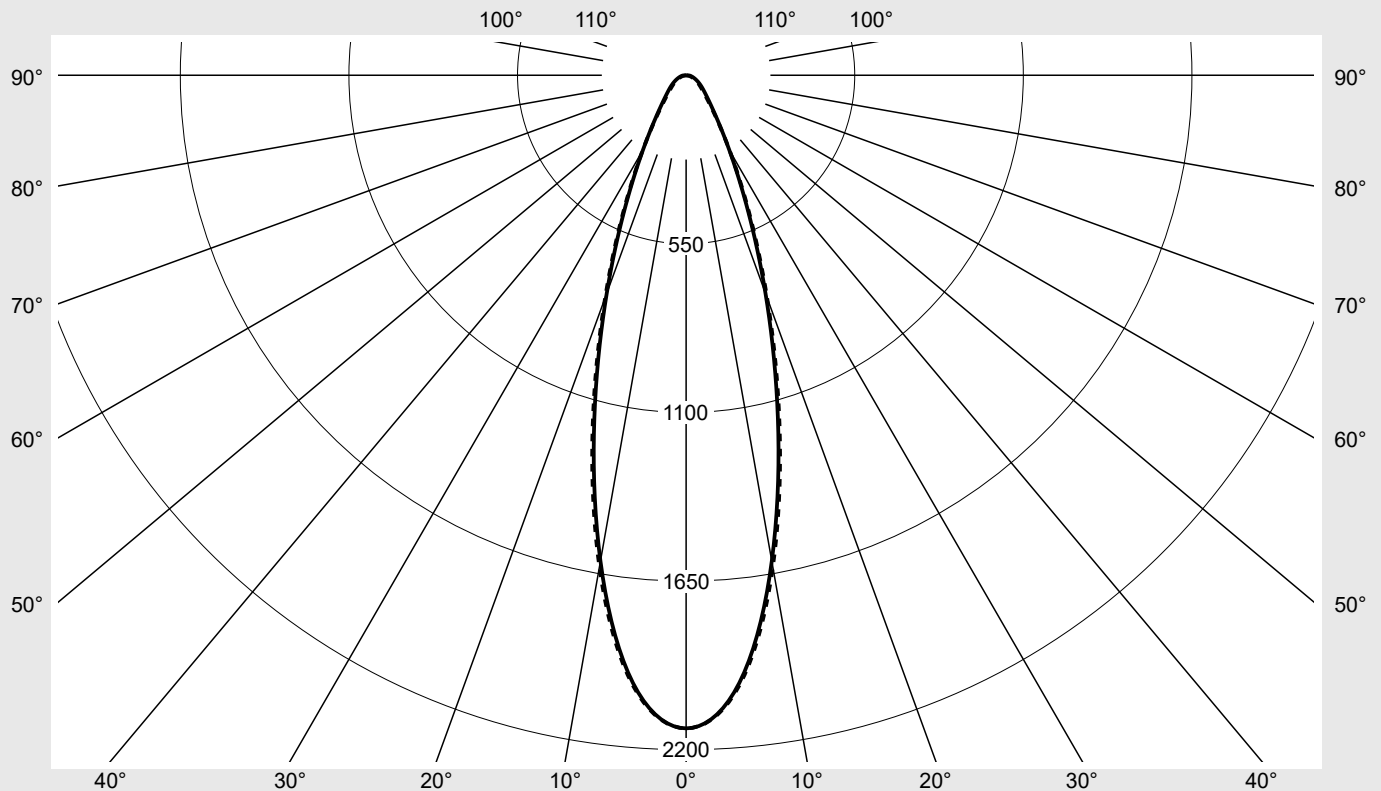
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 2130 cd/klm



Klassifizierungen

DIN 5040 A 7 1
CIE N1=84 N2=94 N3=98
N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,1%
 ϕ_o 0,9%

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	17,5	18,7	17,8	19,0	19,3	17,1	18,3	17,5	18,6	18,9
	3H	18,6	19,6	18,9	20,0	20,3	18,0	19,1	18,4	19,4	19,8
	4H	19,1	20,0	19,5	20,4	20,8	18,4	19,4	18,8	19,7	20,1
	6H	19,5	20,4	20,0	20,8	21,2	18,7	19,6	19,1	19,9	20,3
	8H	19,8	20,6	20,3	21,0	21,4	18,9	19,6	19,3	20,0	20,4
	12H	20,0	20,7	20,5	21,1	21,5	18,9	19,6	19,4	20,0	20,4
4H	2H	17,7	18,7	18,1	19,1	19,4	17,4	18,4	17,8	18,7	19,1
	3H	19,0	19,8	19,4	20,2	20,6	18,5	19,3	18,9	19,7	20,1
	4H	19,6	20,4	20,1	20,8	21,2	19,0	19,7	19,4	20,1	20,6
	6H	20,3	20,9	20,7	21,3	21,8	19,4	20,0	19,8	20,4	20,9
	8H	20,6	21,1	21,0	21,6	22,0	19,5	20,1	20,0	20,5	21,0
	12H	20,9	21,3	21,4	21,8	22,3	19,6	20,1	20,1	20,6	21,1
8H	4H	19,8	20,4	20,3	20,8	21,3	19,2	19,8	19,7	20,2	20,7
	6H	20,6	21,0	21,1	21,5	22,0	19,7	20,2	20,2	20,7	21,2
	8H	21,0	21,4	21,5	21,9	22,4	19,9	20,3	20,4	20,8	21,4
	12H	21,4	21,7	21,9	22,2	22,7	20,1	20,4	20,6	20,9	21,5
12H	4H	19,8	20,3	20,3	20,8	21,3	19,3	19,7	19,8	20,2	20,7
	6H	20,6	21,0	21,2	21,5	22,0	19,8	20,2	20,4	20,7	21,2
	8H	21,1	21,4	21,6	21,9	22,4	20,1	20,4	20,6	20,9	21,5

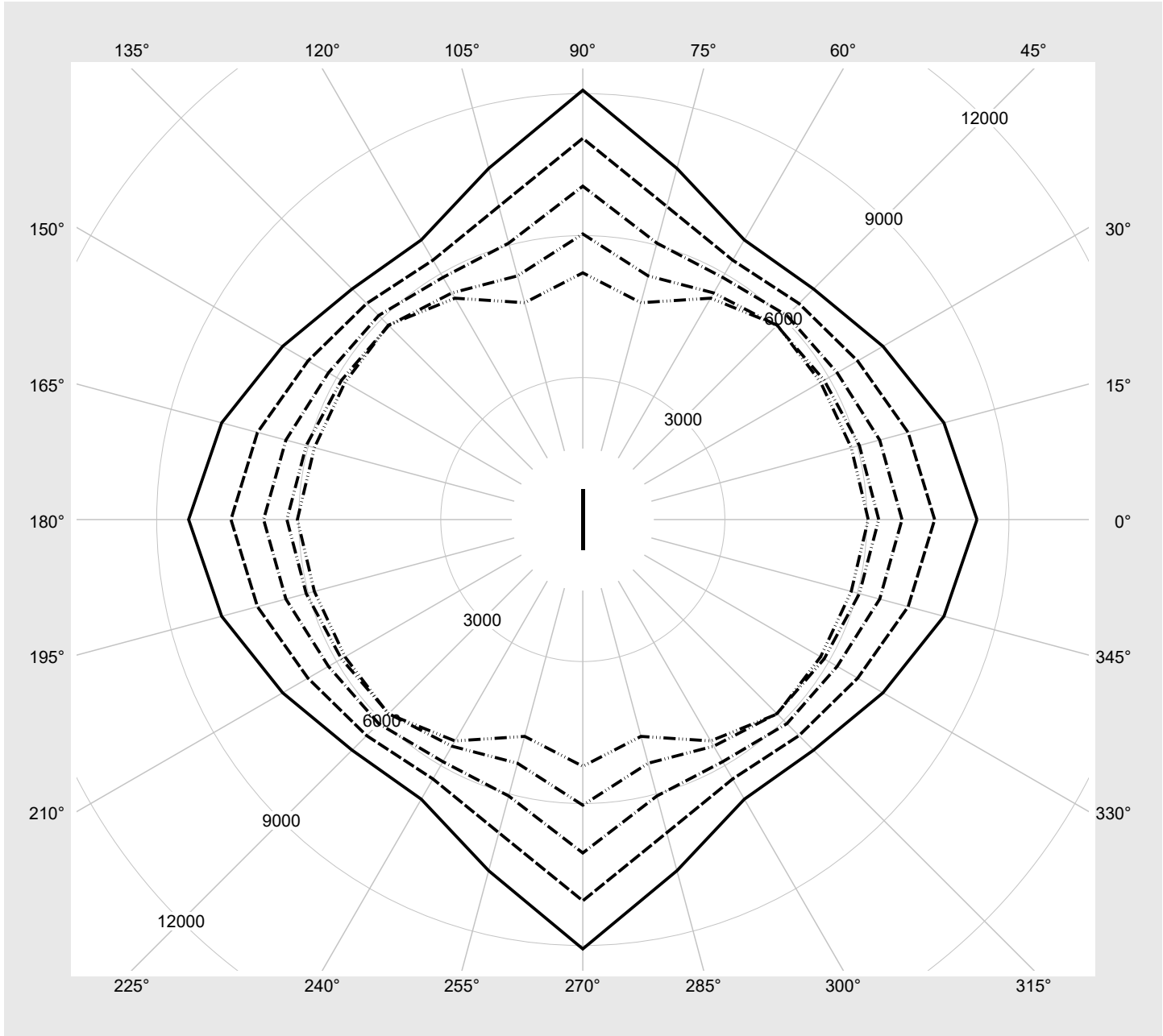
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		14593.5	13924.1	12705.8	12199.4	12658.3	13903.5	15226.6
50°		12312.1	11602.1	10386.5	9750.5	10063.6	11384.1	12885.2
55°		10725.6	10058.3	8988.6	8332.9	8508.4	9793.7	11389.5
60°		9419.6	8859.8	8035.4	7467.4	7491.4	8625.7	10174.7
65°		8325.5	7896.5	7320.5	6891.0	6822.8	7681.3	9072.0
70°		7431.1	7113.8	6702.9	6456.3	6329.3	6850.2	8055.4
75°		6741.9	6492.0	6203.4	6097.5	5907.9	6046.9	7044.5
80°		6250.1	6047.5	5886.4	5798.4	5529.3	5330.8	6034.7
85°		6028.4	5869.2	5800.1	5808.5	5401.0	4743.4	5213.0

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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

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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	15020	83.2
2	A	C	F	14106	78.5
3	A	D	E	13108	72.4
4	A	D	F	12100	66.3
5	B	C	E	11081	60.3
6	B	C	F	10041	54.3
7	B	D	E	9065	48.8
8	B	D	F	8077	43.3