

Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TP12MN4A5G
EAN: 4058352904046

LP-Nummer
58524_263

Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen
Bemessungswerte Nettolichtstrom = 10750 lm
Systemleistung = 60.5 W
Lichtausbeute = 177.7 lm/W

Seriendokumentation
24.08.2023

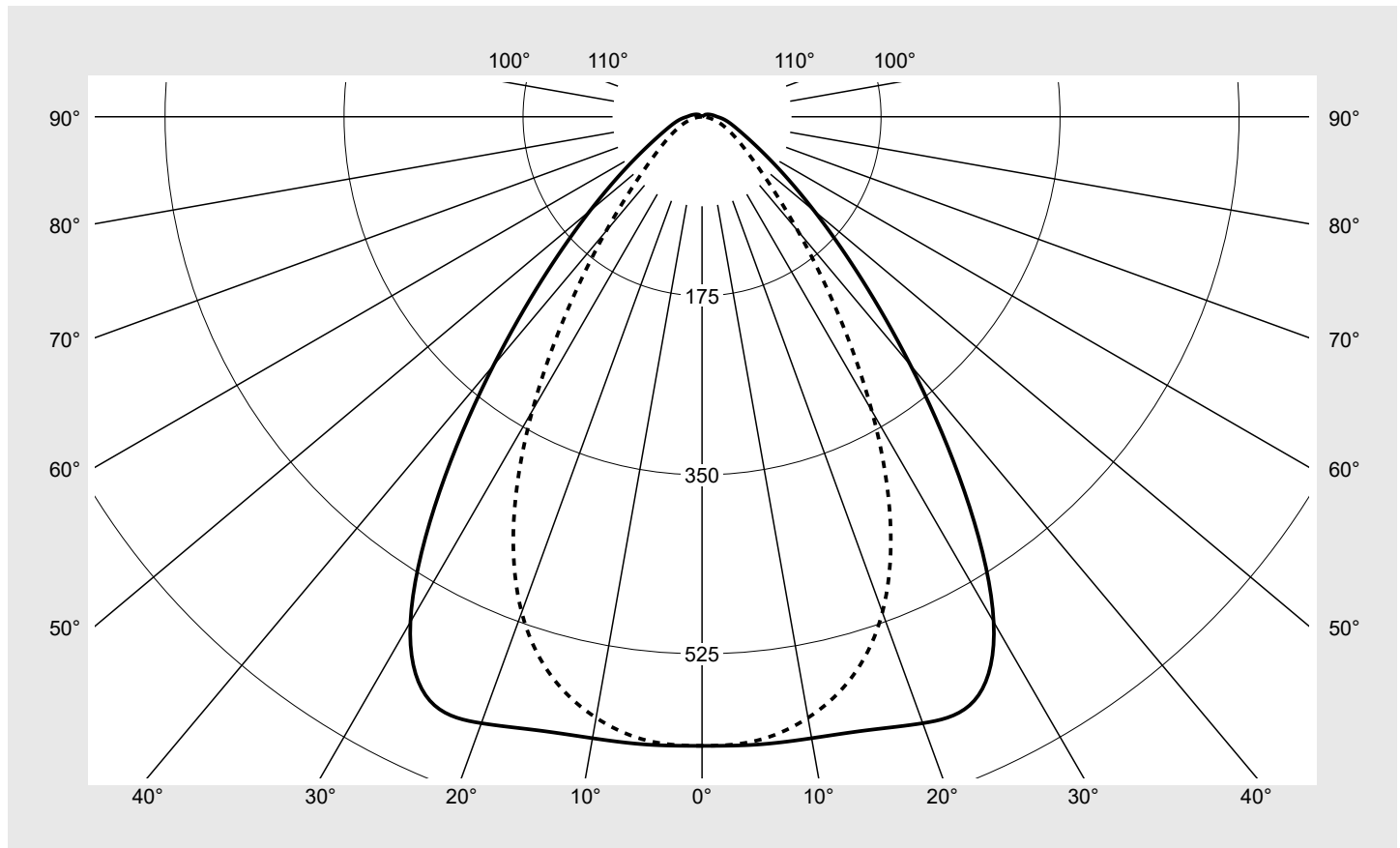
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 631 cd/klm



Klassifizierungen

DIN 5040 A 5 1
CIE N1=73 N2=92 N3=98
N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,6%
 ϕ_o 1,4%

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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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	21,5	23,0	21,9	23,3	23,6	18,3	19,7	18,6	20,0	20,3
	3H	21,9	23,2	22,3	23,5	23,9	18,6	19,9	19,0	20,2	20,6
	4H	22,2	23,3	22,6	23,7	24,1	18,8	20,0	19,2	20,3	20,7
	6H	22,5	23,5	22,9	23,9	24,3	18,9	20,0	19,3	20,4	20,8
	8H	22,7	23,6	23,1	24,0	24,4	19,0	20,0	19,4	20,4	20,8
	12H	22,9	23,7	23,3	24,1	24,5	19,0	20,0	19,4	20,3	20,8
4H	2H	21,6	22,8	22,0	23,1	23,5	18,8	20,0	19,2	20,3	20,7
	3H	22,1	23,1	22,6	23,5	23,9	19,3	20,2	19,7	20,6	21,0
	4H	22,5	23,3	22,9	23,8	24,2	19,5	20,4	19,9	20,8	21,2
	6H	22,9	23,6	23,3	24,1	24,5	19,7	20,4	20,1	20,9	21,3
	8H	23,1	23,8	23,6	24,2	24,7	19,7	20,5	20,2	20,9	21,4
	12H	23,4	24,0	23,9	24,4	24,9	19,8	20,4	20,3	20,9	21,4
8H	4H	22,5	23,2	22,9	23,6	24,1	19,7	20,4	20,2	20,8	21,3
	6H	23,0	23,5	23,5	24,0	24,5	20,0	20,6	20,5	21,0	21,5
	8H	23,3	23,8	23,8	24,3	24,8	20,1	20,6	20,6	21,1	21,6
	12H	23,7	24,1	24,2	24,6	25,1	20,2	20,6	20,7	21,1	21,7
12H	4H	22,5	23,1	23,0	23,5	24,0	19,8	20,4	20,3	20,8	21,3
	6H	23,0	23,5	23,5	24,0	24,5	20,1	20,6	20,6	21,1	21,6
	8H	23,3	23,7	23,8	24,2	24,8	20,3	20,7	20,8	21,2	21,7

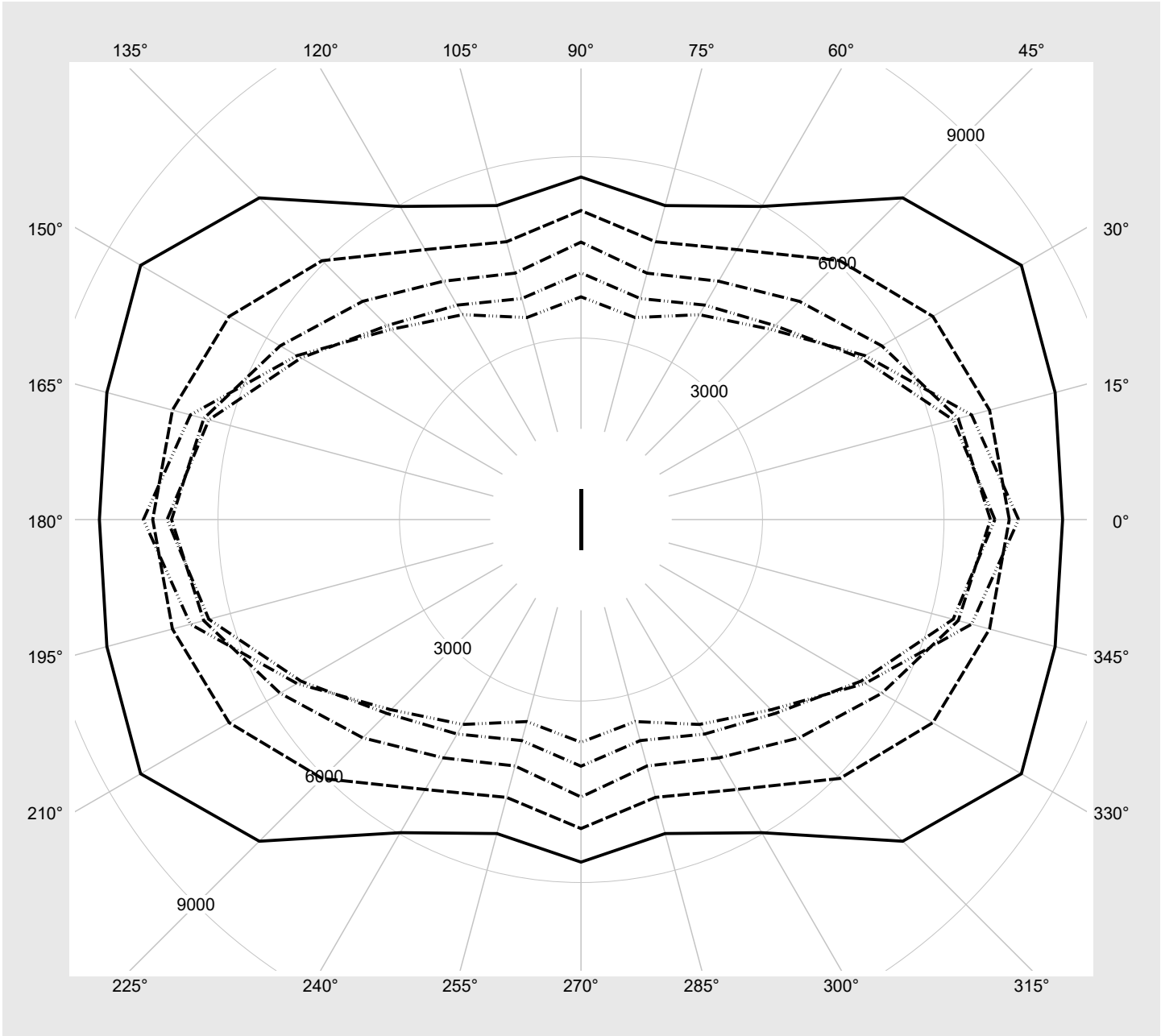
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		24148.9	25665.5	28091.2	25291.3	17952.2	13334.2	12384.0	
50°		17291.2	18476.7	20635.7	18399.0	12876.1	9751.9	9280.4	
55°		12662.6	13472.8	15058.3	13215.1	9402.3	7595.2	7518.1	
60°		9689.0	10135.2	11058.9	9803.1	7283.7	6245.2	6418.2	
65°		7960.8	8113.7	8405.4	7520.3	5976.8	5373.6	5662.7	
70°		7079.3	6991.8	6715.7	6052.4	5152.5	4754.7	5108.1	
75°		6767.8	6455.9	5742.5	5102.5	4549.4	4216.9	4586.3	
80°		6841.7	6368.5	5343.9	4533.8	4093.5	3782.5	4077.2	
85°		7233.5	6684.0	5420.5	4445.4	3911.0	3457.1	3681.9	

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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

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	10750	60.5
2	A	C	F	9868	56.1
3	A	D	E	9375	53.1
4	A	D	F	8881	50.0
5	B	C	E	8388	47.0
6	B	C	F	7874	43.9
7	B	D	E	7370	41.0
8	B	D	F	6929	38.4