

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD13MN4GXS
EAN: 4058352928806

LP-Nummer
58527_93

Ausführung Prismenabdeckung, satiniert, extrem eng strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 16110 lm
Systemleistung = 87.4 W
Lichtausbeute = 184.3 lm/W

Seriendokumentation
11.10.2023

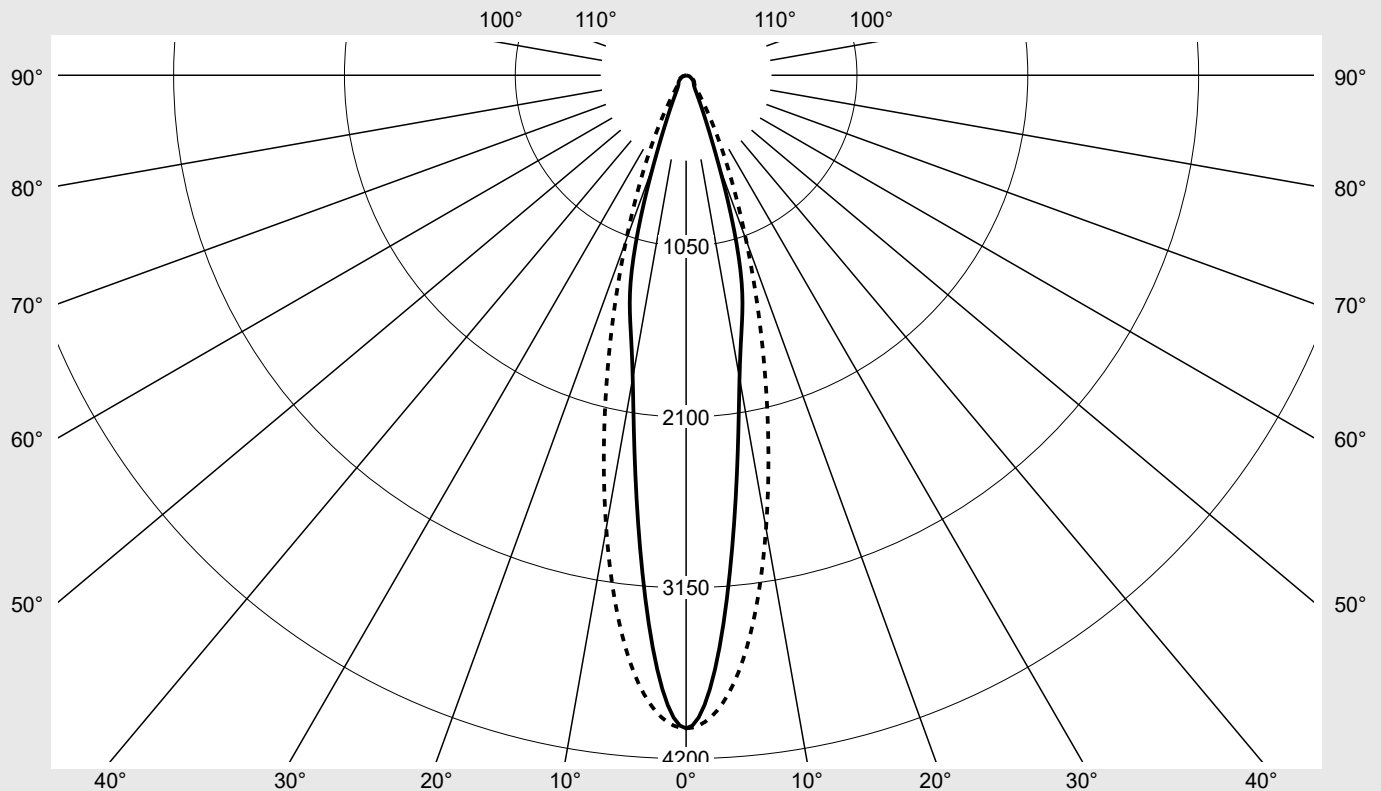
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 4014 cd/klm



Klassifizierungen

DIN 5040 A 8 1
CIE N1=89 N2=96 N3=99
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,7%
 ϕ_o 0,3%

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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	15,1	16,2	15,5	16,5	16,9	15,7	16,8	16,0	17,1	17,4
	3H	16,8	17,5	17,1	17,8	18,2	17,2	17,9	17,6	18,3	18,6
	4H	17,2	18,1	17,6	18,4	18,8	17,4	18,3	17,8	18,6	19,0
	6H	17,6	18,6	18,0	19,0	19,4	17,4	18,4	17,8	18,8	19,2
	8H	18,2	18,9	18,7	19,3	19,7	17,6	18,4	18,0	18,8	19,2
	12H	18,2	19,1	18,7	19,5	19,9	17,6	18,4	18,0	18,8	19,2
4H	2H	15,4	16,3	15,8	16,6	17,0	15,8	16,7	16,2	17,1	17,5
	3H	16,9	17,6	17,3	18,0	18,4	17,2	17,9	17,6	18,3	18,7
	4H	17,7	18,3	18,1	18,7	19,2	17,7	18,3	18,1	18,8	19,2
	6H	18,2	19,0	18,7	19,4	19,9	17,8	18,6	18,2	19,0	19,4
	8H	18,9	19,4	19,3	19,8	20,3	18,2	18,6	18,6	19,1	19,6
	12H	19,0	19,6	19,5	20,1	20,6	17,9	18,6	18,4	19,0	19,5
8H	4H	17,8	18,3	18,3	18,8	19,3	17,8	18,3	18,3	18,8	19,3
	6H	19,1	19,2	19,6	19,7	20,2	18,3	18,7	18,8	19,2	19,7
	8H	19,2	19,6	19,7	20,0	20,6	18,5	18,8	19,0	19,3	19,8
	12H	19,4	19,9	19,9	20,4	21,0	18,3	18,8	18,8	19,3	19,9
12H	4H	17,6	18,2	18,1	18,7	19,2	17,6	18,3	18,1	18,7	19,2
	6H	18,5	19,1	19,0	19,6	20,1	18,1	18,7	18,6	19,1	19,7
	8H	19,0	19,5	19,5	20,0	20,6	18,3	18,8	18,8	19,3	19,9

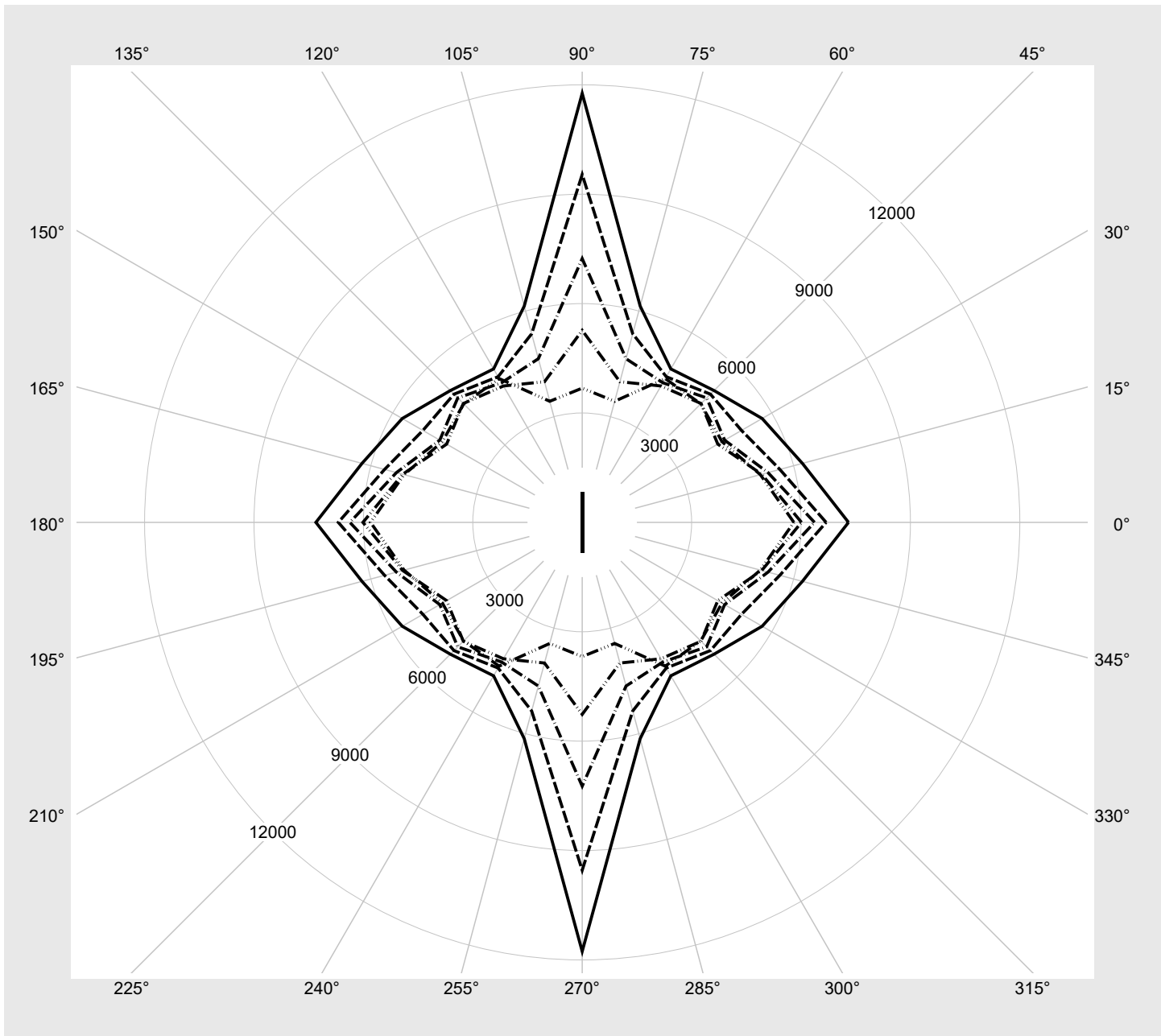
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		11105.4	9887.4	7747.6	6973.4	7787.1	10433.6	14134.2	
50°		10514.5	9210.6	7110.1	6166.4	6471.6	9171.3	14111.0	
55°		9265.8	8243.6	6678.0	5658.4	5715.3	8041.8	13909.4	
60°		8189.2	7193.7	6211.8	5307.3	5201.0	7030.4	13245.5	
65°		7302.8	6251.3	5697.5	5112.6	4859.1	6141.4	11766.1	
70°		6688.3	5610.7	5043.6	4972.6	4611.9	5354.8	9539.6	
75°		6370.2	5274.3	4510.0	4826.3	4422.1	4646.1	7234.3	
80°		6013.3	5096.7	4292.7	4609.9	4319.5	3993.6	5265.5	
85°		5804.5	5057.1	4426.9	4597.5	4553.0	3438.2	3681.1	

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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	16110	87.4
2	A	C	F	15311	82.6
3	A	D	E	14279	76.2
4	A	D	F	13235	70.1
5	B	C	E	12256	64.3
6	B	C	F	11180	58.3
7	B	D	E	10169	52.6
8	B	D	F	9157	47.0