

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected



Bestell-Nr.: 51TP11CN4EXS
EAN: 4058352930120

LP-Nummer
58525_203

Ausführung Prismenabdeckung, satiniert, eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Bemessungswerte Nettolichtstrom = 14460 lm
 Systemleistung = 77.6 W
 Lichtausbeute = 186.3 lm/W

Seriendokumentation
12.10.2023

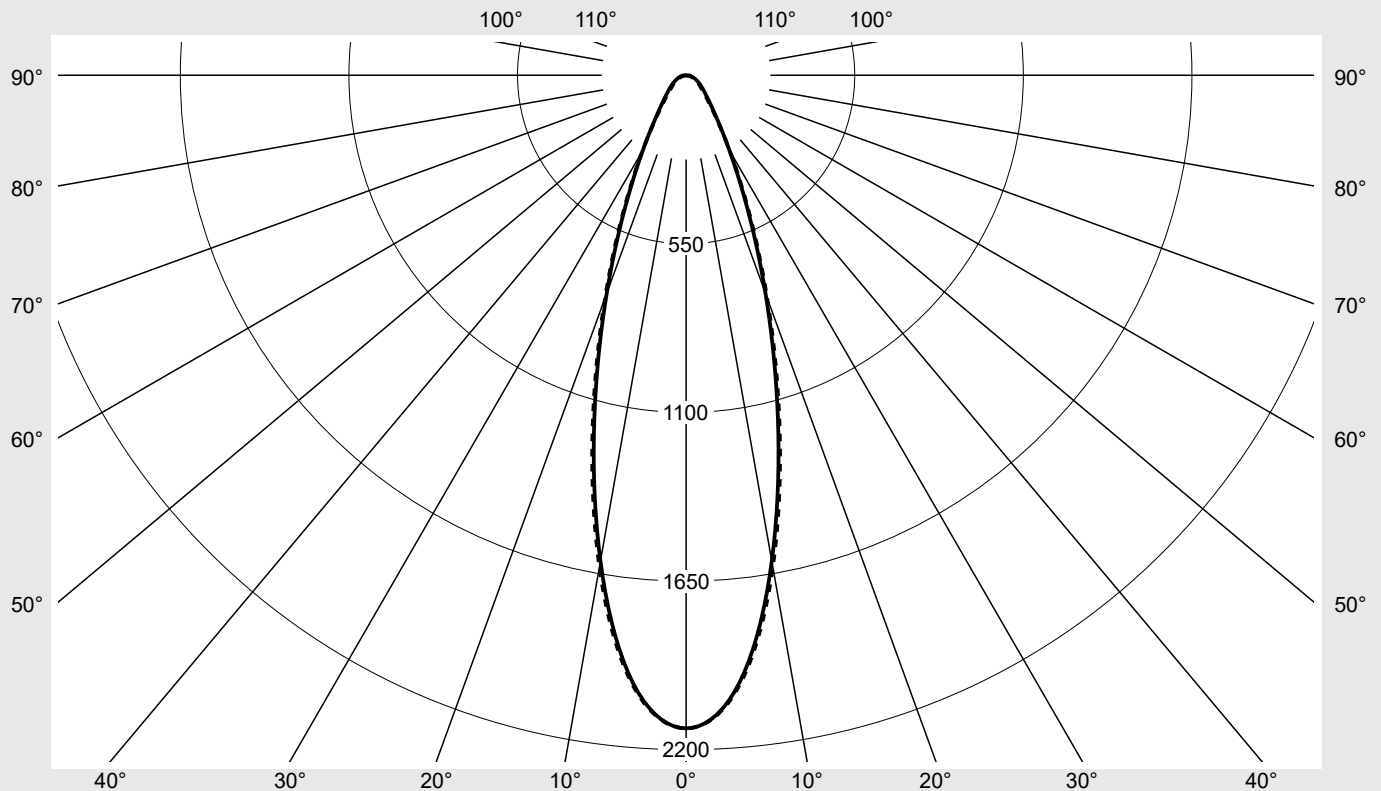
sITeco

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	17,3	18,6	17,7	18,9	19,2	17,0	18,2	17,3	18,5	18,8
	3H	18,4	19,5	18,8	19,8	20,2	17,9	19,0	18,3	19,3	19,7
	4H	18,9	19,9	19,3	20,3	20,6	18,3	19,3	18,7	19,6	20,0
	6H	19,4	20,3	19,8	20,7	21,0	18,6	19,4	19,0	19,8	20,2
	8H	19,7	20,4	20,1	20,8	21,2	18,7	19,5	19,2	19,9	20,3
	12H	19,9	20,6	20,3	21,0	21,4	18,8	19,5	19,2	19,9	20,3
4H	2H	17,6	18,6	18,0	18,9	19,3	17,3	18,3	17,7	18,6	19,0
	3H	18,9	19,7	19,3	20,1	20,5	18,4	19,2	18,8	19,6	20,0
	4H	19,5	20,2	20,0	20,7	21,1	18,8	19,6	19,3	20,0	20,4
	6H	20,1	20,8	20,6	21,2	21,7	19,2	19,9	19,7	20,3	20,8
	8H	20,4	21,0	20,9	21,4	21,9	19,4	19,9	19,9	20,4	20,9
	12H	20,7	21,2	21,2	21,7	22,2	19,5	20,0	20,0	20,4	20,9
8H	4H	19,7	20,2	20,2	20,7	21,2	19,1	19,6	19,6	20,1	20,6
	6H	20,5	20,9	21,0	21,4	21,9	19,6	20,1	20,1	20,5	21,1
	8H	20,8	21,2	21,3	21,7	22,3	19,8	20,2	20,3	20,7	21,2
	12H	21,2	21,6	21,8	22,1	22,6	20,0	20,3	20,5	20,8	21,4
12H	4H	19,7	20,2	20,2	20,6	21,1	19,2	19,6	19,6	20,1	20,6
	6H	20,5	20,9	21,0	21,4	21,9	19,7	20,1	20,2	20,6	21,1
	8H	20,9	21,3	21,5	21,8	22,3	20,0	20,3	20,5	20,8	21,3

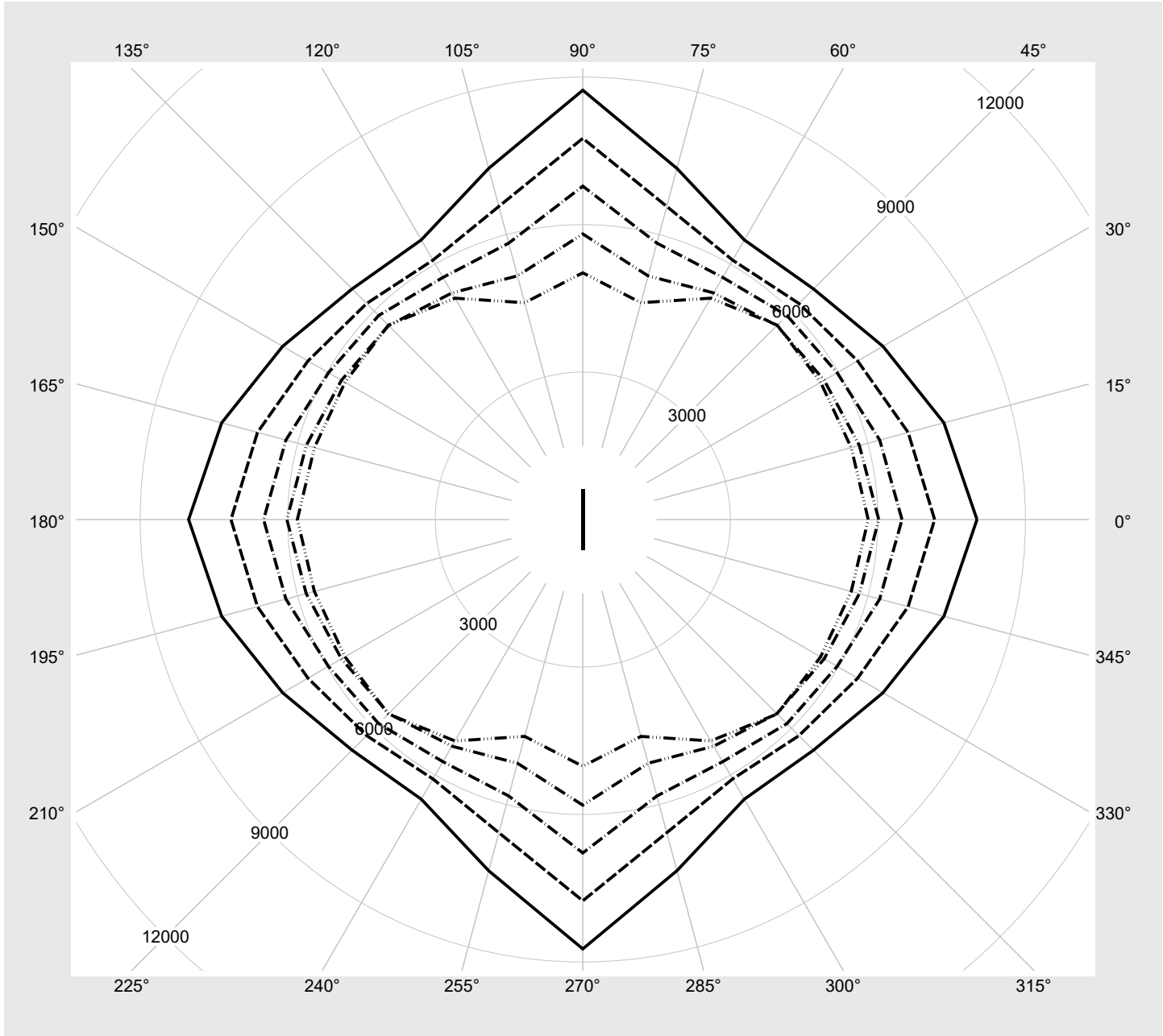
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		14049.4	13405.0	12232.0	11744.6	12186.3	13385.1	14658.9
50°		11853.1	11169.6	9999.3	9387.0	9688.4	10959.6	12404.8
55°		10325.8	9683.3	8653.4	8022.2	8191.2	9428.6	10964.8
60°		9068.4	8529.5	7735.8	7189.0	7212.1	8304.1	9795.3
65°		8015.1	7602.1	7047.5	6634.1	6568.5	7394.9	8733.7
70°		7154.1	6848.6	6452.9	6215.6	6093.3	6594.8	7755.0
75°		6490.6	6250.0	5972.1	5870.2	5687.6	5821.4	6781.8
80°		6017.1	5822.0	5667.0	5582.3	5323.1	5132.0	5809.7
85°		5803.7	5650.4	5583.8	5591.9	5199.7	4566.5	5018.7

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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
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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
	1	2	3				
1	A	C	E	14460	77.6	87.4	82.5
2	A	C	F	13204	70.1	79.0	74.6
3	A	D	E	12224	64.3	74.9	69.6
4	A	D	F	11148	58.3	65.2	61.8
5	B	C	E	10148	52.6	58.7	55.6
6	B	C	F	9136	47.0	52.2	49.6
7	B	D	E	8114	41.5	46.2	43.8
8	B	D	F	7070	36.0	39.9	38.0