

Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TP13CN4DXRD
EAN: 4058352418536

LP-Nummer
58527_16



Ausführung Prismenabdeckung, satiniert, extrem eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 13280 lm
 Systemleistung = 76.4 W
 Lichtausbeute = 173.8 lm/W

Seriendokumentation
26.08.2020

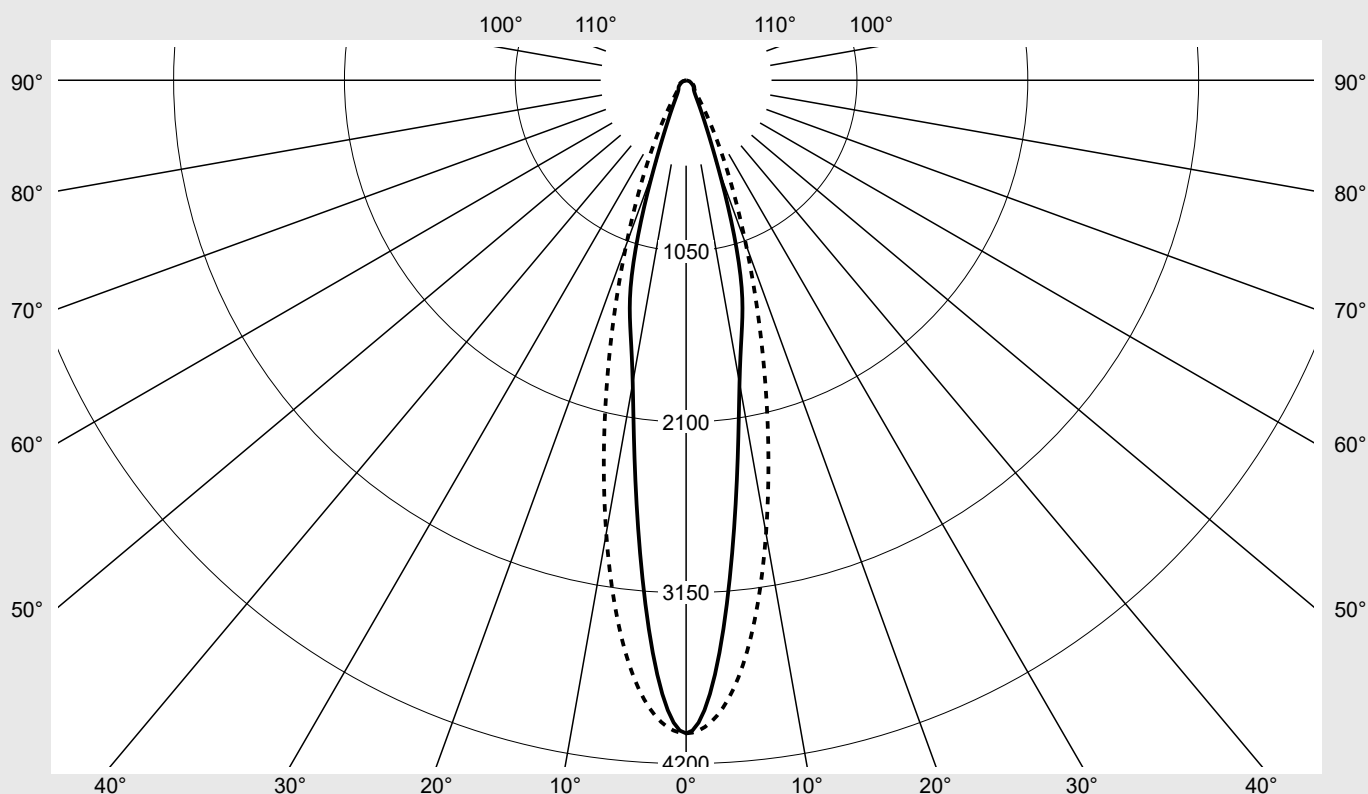
sITeco

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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	14,5	15,6	14,8	15,9	16,2	15,0	16,1	15,4	16,4	16,7
	3H	16,1	16,8	16,5	17,2	17,5	16,5	17,3	16,9	17,6	18,0
	4H	16,5	17,4	16,9	17,7	18,1	16,7	17,6	17,1	17,9	18,3
	6H	16,9	17,9	17,3	18,3	18,7	16,7	17,7	17,2	18,1	18,5
	8H	17,6	18,2	18,0	18,6	19,0	16,9	17,8	17,3	18,1	18,5
	12H	17,6	18,4	18,0	18,8	19,2	16,9	17,7	17,3	18,1	18,5
4H	2H	14,7	15,6	15,1	16,0	16,3	15,2	16,1	15,6	16,4	16,8
	3H	16,2	17,0	16,6	17,4	17,8	16,5	17,2	16,9	17,6	18,1
	4H	17,0	17,7	17,4	18,1	18,5	17,0	17,7	17,4	18,1	18,5
	6H	17,5	18,3	18,0	18,8	19,2	17,1	17,9	17,6	18,3	18,8
	8H	18,2	18,7	18,7	19,1	19,6	17,5	18,0	18,0	18,4	18,9
	12H	18,3	19,0	18,8	19,4	19,9	17,3	17,9	17,8	18,4	18,9
8H	4H	17,2	17,7	17,6	18,1	18,6	17,2	17,7	17,7	18,1	18,6
	6H	18,4	18,5	18,9	19,0	19,5	17,7	18,0	18,2	18,5	19,0
	8H	18,5	18,9	19,0	19,4	19,9	17,8	18,1	18,3	18,6	19,2
	12H	18,7	19,3	19,2	19,8	20,3	17,6	18,1	18,1	18,6	19,2
12H	4H	16,9	17,6	17,4	18,0	18,5	16,9	17,6	17,4	18,0	18,5
	6H	17,8	18,4	18,3	18,9	19,4	17,4	18,0	17,9	18,5	19,0
	8H	18,3	18,9	18,8	19,4	19,9	17,6	18,2	18,1	18,6	19,2

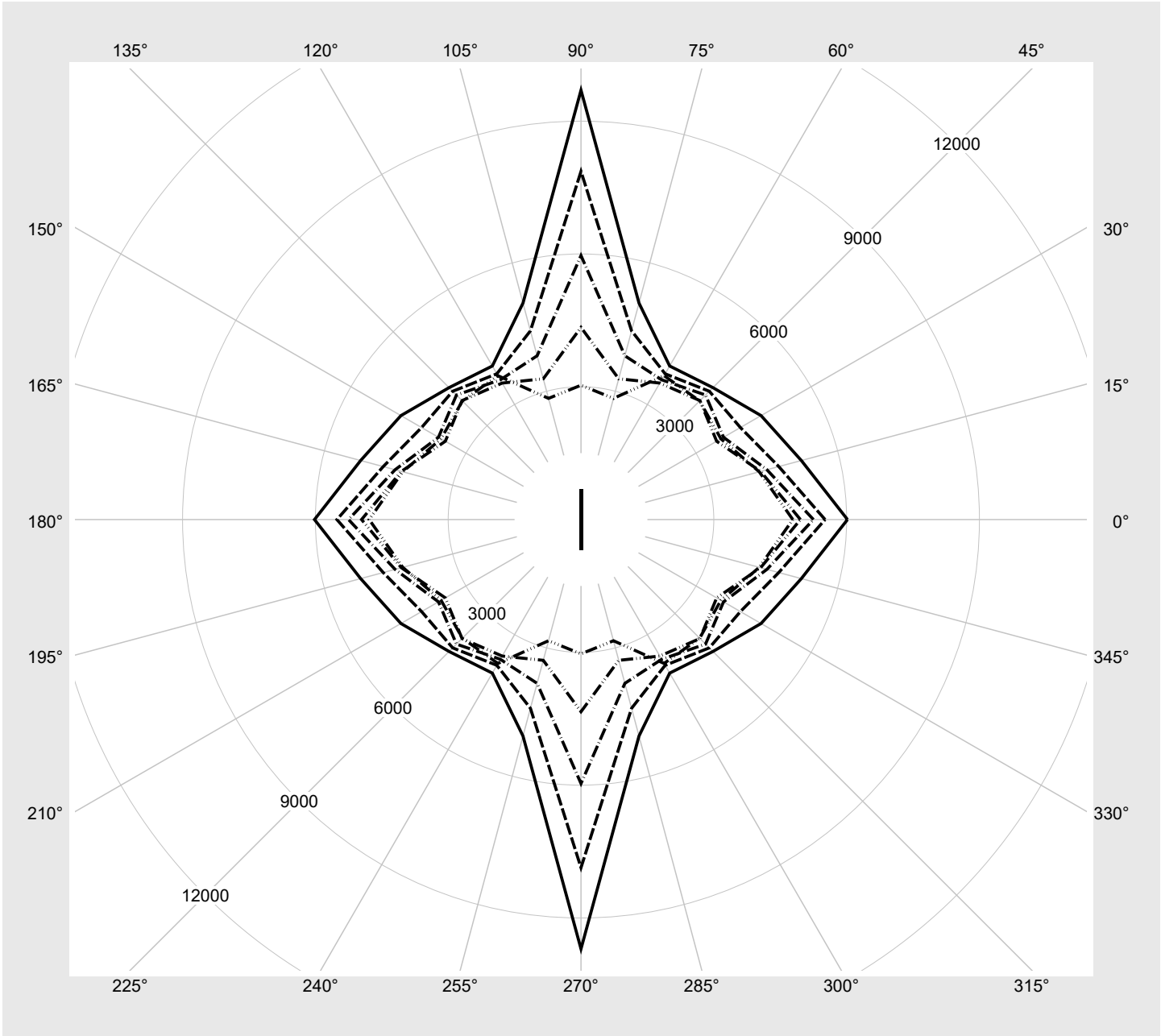
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9154.6	8150.5	6386.6	5748.4	6419.2	8600.8	11651.3	
50°		8667.5	7592.6	5861.1	5083.2	5334.8	7560.2	11632.2	
55°		7638.1	6795.5	5504.9	4664.4	4711.3	6629.2	11466.0	
60°		6750.7	5930.0	5120.6	4375.0	4287.3	5795.4	10918.7	
65°		6019.9	5153.1	4696.7	4214.5	4005.5	5062.6	9699.2	
70°		5513.4	4625.1	4157.6	4099.1	3801.8	4414.1	7863.8	
75°		5251.2	4347.8	3717.7	3978.5	3645.3	3829.9	5963.5	
80°		4957.0	4201.3	3538.6	3800.1	3560.7	3292.1	4340.6	
85°		4784.8	4168.7	3649.2	3789.8	3753.2	2834.2	3034.5	

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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	13280	76.4	85.6	81.0
2	A	C	F	12090	68.8	76.5	72.6
3	A	D	E	11090	62.6	69.3	66.0
4	A	D	F	10080	56.5	62.7	59.6
5	B	C	E	9060	50.4	55.7	53.0
6	B	C	F	8030	44.4	48.7	46.6
7	B	D	E	7050	38.8	42.7	40.8
8	B	D	F	6070	33.3	36.3	34.8