

Lichttechnischer Prüfbefund

Familie
Licross® Protected



Bestell-Nr.: 51TP11CN4DXRD
EAN: 4058352418390

LP-Nummer
58525_16

Ausführung Prismenabdeckung, satiniert, eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 13240 lm
 Systemleistung = 76.4 W
 Lichtausbeute = 173.3 lm/W

Seriendokumentation
26.08.2020

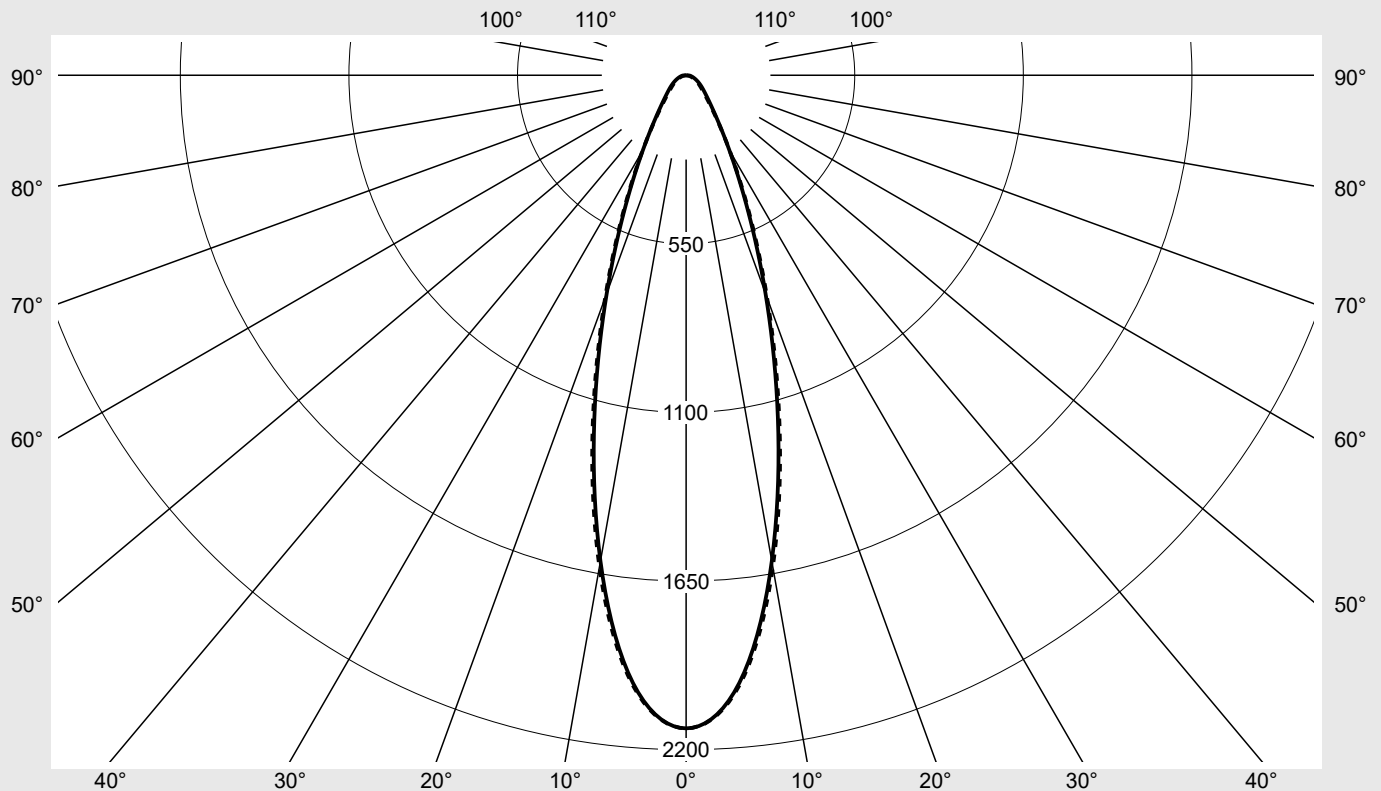
sITeco

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
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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°	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	17,0	18,2	17,4	18,6	18,9	16,7	17,9	17,0	18,2	18,5
	3H	18,1	19,2	18,5	19,5	19,9	17,6	18,7	18,0	19,0	19,3
	4H	18,6	19,6	19,0	20,0	20,3	18,0	19,0	18,4	19,3	19,7
	6H	19,1	20,0	19,5	20,3	20,7	18,3	19,1	18,7	19,5	19,9
	8H	19,4	20,1	19,8	20,5	20,9	18,4	19,2	18,9	19,6	20,0
	12H	19,6	20,3	20,0	20,7	21,1	18,5	19,2	18,9	19,6	20,0
4H	2H	17,3	18,3	17,7	18,6	19,0	17,0	18,0	17,4	18,3	18,7
	3H	18,6	19,4	19,0	19,8	20,2	18,1	18,9	18,5	19,3	19,7
	4H	19,2	19,9	19,6	20,4	20,8	18,5	19,3	19,0	19,7	20,1
	6H	19,8	20,4	20,3	20,9	21,4	18,9	19,6	19,4	20,0	20,5
	8H	20,1	20,7	20,6	21,1	21,6	19,1	19,6	19,6	20,1	20,6
	12H	20,4	20,9	20,9	21,3	21,8	19,2	19,7	19,7	20,1	20,6
8H	4H	19,4	19,9	19,9	20,4	20,9	18,8	19,3	19,3	19,8	20,3
	6H	20,2	20,6	20,6	21,1	21,6	19,3	19,8	19,8	20,2	20,7
	8H	20,5	20,9	21,0	21,4	21,9	19,5	19,9	20,0	20,4	20,9
	12H	20,9	21,3	21,5	21,8	22,3	19,7	20,0	20,2	20,5	21,0
12H	4H	19,4	19,9	19,9	20,3	20,8	18,8	19,3	19,3	19,8	20,3
	6H	20,2	20,6	20,7	21,1	21,6	19,4	19,8	19,9	20,3	20,8
	8H	20,6	21,0	21,2	21,5	22,0	19,7	20,0	20,2	20,5	21,0

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°		12864.1	12274.0	11200.0	10753.7	11158.2	12255.8	13422.1	
50°		10853.0	10227.2	9155.6	8595.0	8871.0	10035.0	11358.2	
55°		9454.6	8866.3	7923.3	7345.3	7500.1	8633.1	10039.7	
60°		8303.3	7809.9	7083.2	6582.5	6603.6	7603.5	8968.9	
65°		7338.9	6960.7	6452.9	6074.4	6014.3	6771.0	7996.9	
70°		6550.5	6270.7	5908.5	5691.2	5579.2	6038.4	7100.7	
75°		5942.9	5722.7	5468.2	5374.9	5207.7	5330.3	6209.6	
80°		5509.4	5330.8	5188.8	5111.3	4874.0	4699.0	5319.5	
85°		5314.0	5173.7	5112.7	5120.1	4761.0	4181.2	4595.3	

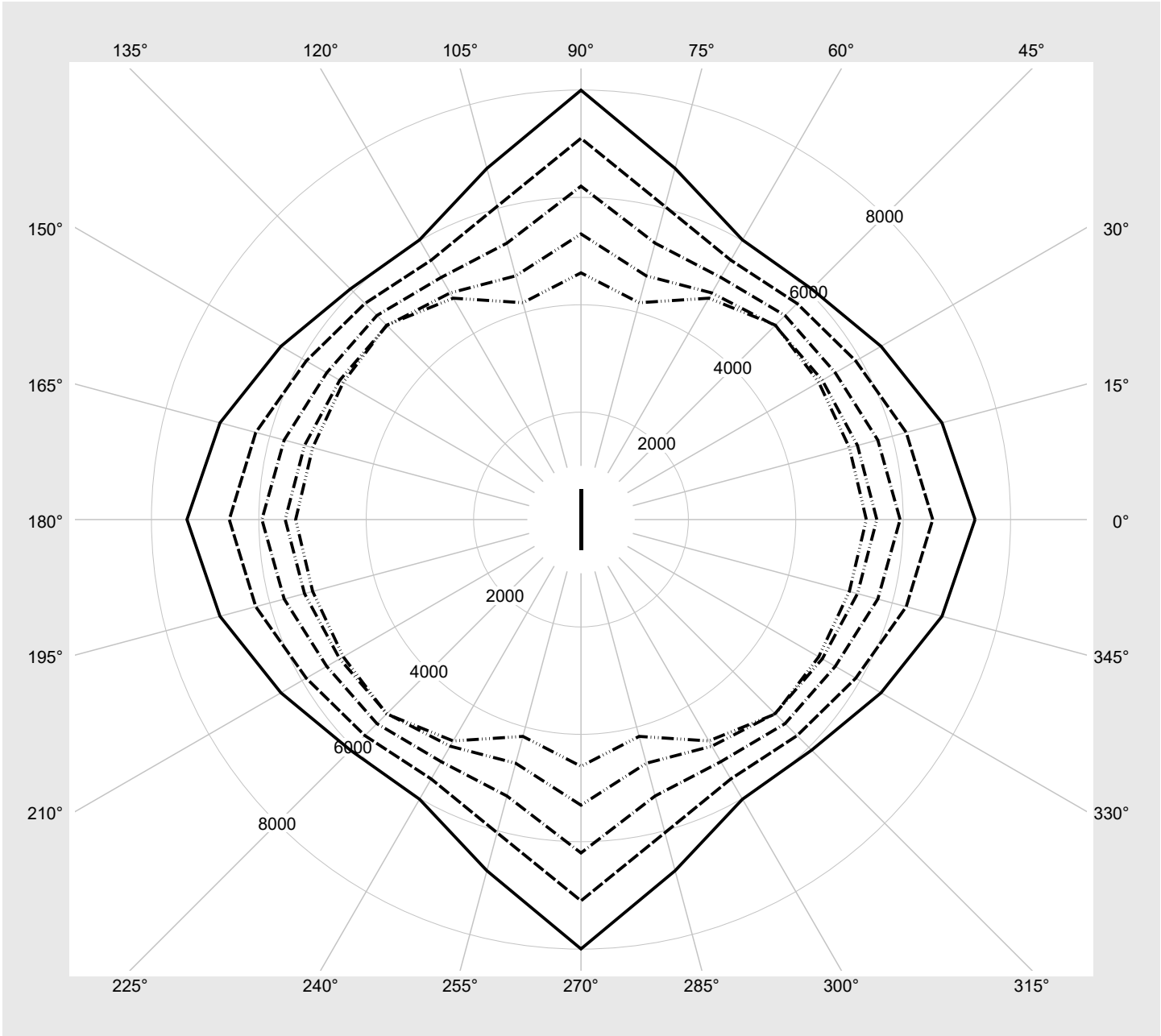
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Multilumen-Tabelle		Umgebungstemperatur: 25°C
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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
	1	2	3				
1	A	C	E	13240	76.4	85.6	81.0
2	A	C	F	12060	68.8	76.5	72.6
3	A	D	E	11060	62.6	69.3	66.0
4	A	D	F	10060	56.5	62.7	59.6
5	B	C	E	9030	50.4	55.7	53.0
6	B	C	F	8000	44.4	48.7	46.6
7	B	D	E	7030	38.8	42.7	40.8
8	B	D	F	6050	33.3	36.3	34.8