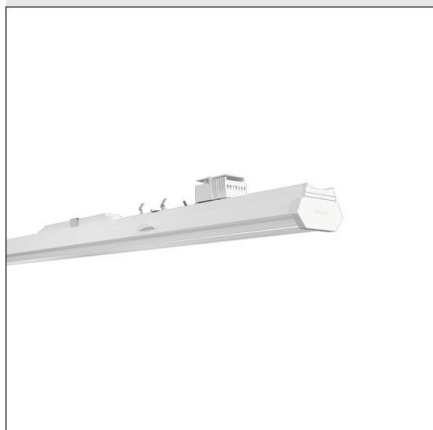


Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TD1BDN4AXG
EAN: 4058352903285

LP-Nummer
58522_229



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 10050 lm
 Systemleistung = 62.0 W
 Lichtausbeute = 162.1 lm/W

Seriendokumentation
03.08.2023

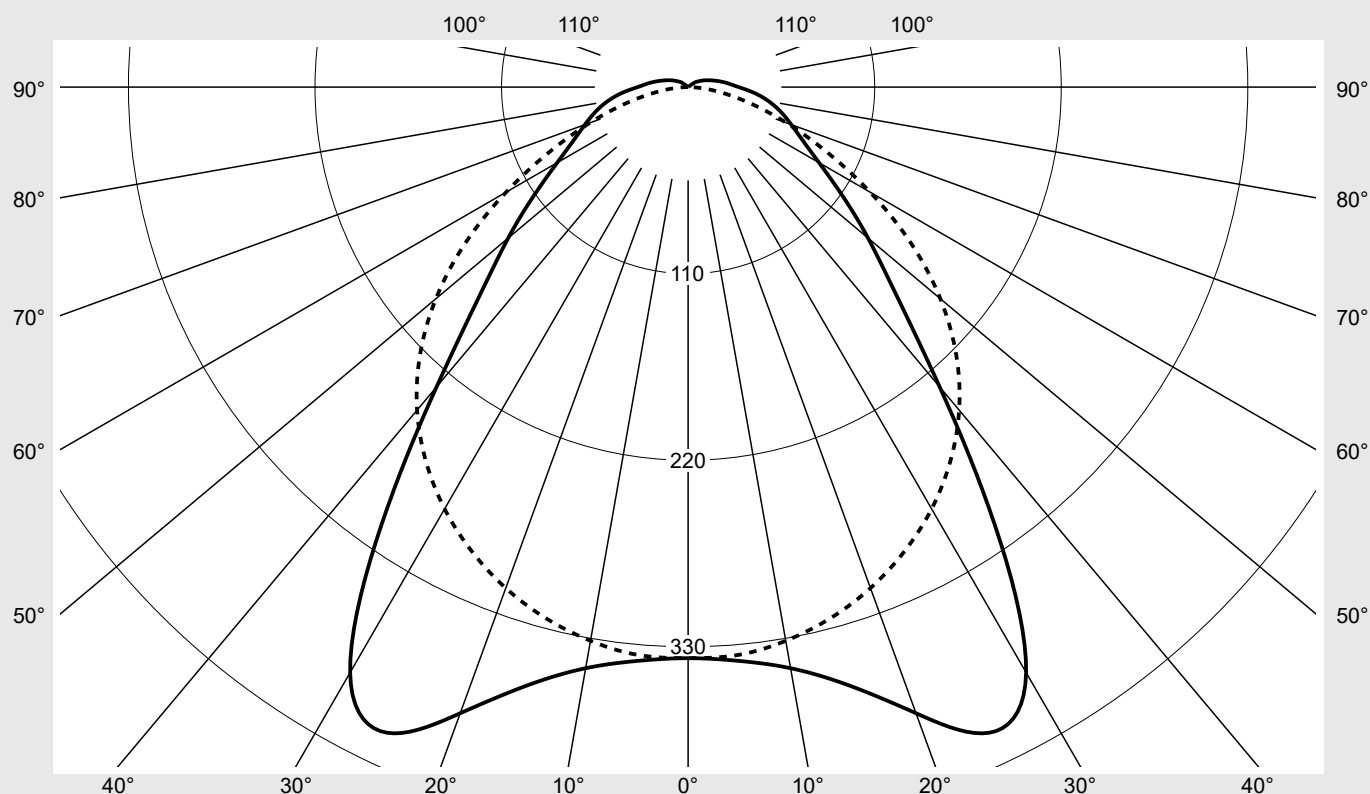
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 420 cd/klm



Klassifizierungen

DIN 5040 A 4 1
 CIE N1=54 N2=82 N3=95
 N4=97 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 96,8%
 ϕ_o 3,2%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TD1BDN4AXG EAN: 4058352903285	LP-Nummer 58522_229
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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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

Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TD1BDN4AXG EAN: 4058352903285	LP-Nummer 58522_229
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,2	22,8	21,5	23,1	23,5	23,1	24,7	23,4	25,0	25,3
	3H	22,4	23,8	22,7	24,2	24,5	24,1	25,6	24,5	25,9	26,2
	4H	23,0	24,4	23,4	24,8	25,2	24,4	25,8	24,8	26,2	26,5
	6H	23,8	25,1	24,2	25,5	25,8	24,7	26,0	25,1	26,3	26,7
	8H	24,2	25,4	24,6	25,8	26,2	24,8	26,0	25,2	26,4	26,8
	12H	24,6	25,7	25,0	26,1	26,5	24,8	26,0	25,3	26,4	26,8
4H	2H	22,0	23,4	22,4	23,8	24,1	23,5	24,9	23,9	25,2	25,6
	3H	23,4	24,6	23,8	24,9	25,4	24,8	26,0	25,2	26,3	26,8
	4H	24,2	25,3	24,6	25,7	26,1	25,3	26,3	25,7	26,8	27,2
	6H	25,1	26,0	25,6	26,5	26,9	25,6	26,6	26,1	27,0	27,5
	8H	25,6	26,4	26,0	26,9	27,3	25,8	26,6	26,2	27,1	27,5
	12H	26,1	26,8	26,5	27,3	27,8	25,9	26,6	26,3	27,1	27,6
8H	4H	24,6	25,5	25,1	25,9	26,4	25,6	26,4	26,0	26,9	27,3
	6H	25,7	26,4	26,2	26,9	27,4	26,1	26,8	26,6	27,3	27,8
	8H	26,3	26,9	26,8	27,4	27,9	26,3	26,9	26,8	27,4	27,9
	12H	26,9	27,5	27,4	28,0	28,5	26,5	27,0	27,0	27,5	28,0
12H	4H	24,7	25,4	25,2	25,9	26,4	25,6	26,4	26,1	26,8	27,3
	6H	25,8	26,4	26,3	26,9	27,4	26,2	26,8	26,7	27,3	27,8
	8H	26,5	27,0	27,0	27,5	28,0	26,5	27,0	27,0	27,5	28,0

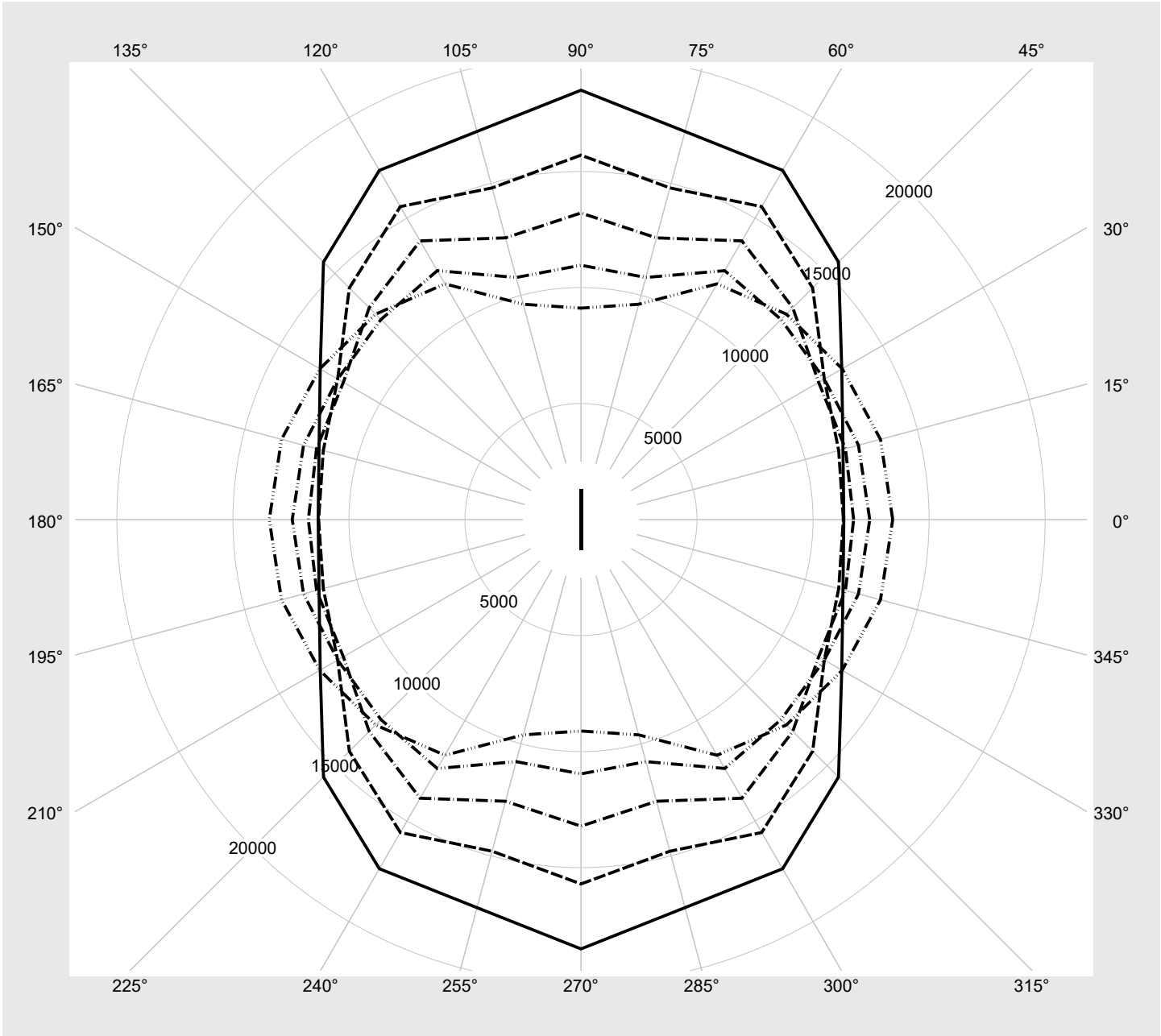
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		18348.7	19312.4	22118.9	26410.8	29350.0	28324.0	27531.6	
50°		15647.2	16416.7	18676.5	22364.1	25711.0	26361.5	26291.7	
55°		13554.9	14252.2	16389.0	19526.9	22329.8	23433.1	24341.2	
60°		12042.7	12581.7	14430.6	17478.0	19552.3	20232.7	21580.3	
65°		11326.1	11688.3	12975.7	15693.7	17377.4	17315.2	18503.5	
70°		11305.9	11496.9	12108.6	14117.7	15573.1	14797.5	15704.4	
75°		11749.1	11798.0	11826.3	12908.2	13867.0	12568.3	13212.8	
80°		12443.7	12379.0	12108.2	12192.3	12386.6	10800.8	10961.0	
85°		13433.4	13360.6	12996.3	12517.9	11729.2	9606.4	9111.8	

Lichttechnischer Prüfbefund

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	----	----	----	----
100	253	254	10014	61.8
95	240	252	9545	58.6
90	226	250	9034	55.1
85	213	248	8553	51.9
80	199	245	8029	48.5
75	186	243	7537	45.5
70	173	240	7040	42.3
65	160	237	6539	39.2
60	147	234	6033	36.1
55	134	231	5523	33.0
50	121	227	5007	29.9
45	109	223	4528	27.1
40	96	218	4003	24.1
35	84	213	3512	21.4
30	72	208	3019	18.6
25	60	201	2521	15.9
20	48	193	2020	13.0
15	36	182	1517	10.2
10	24	168	1010	7.5
5	12	142	499	4.9
2	4	102	156	3.1