Lichttechnischer Prüfbefund

Familie
Licross® 21 Opal

Bestell-Nr.: 52TE1DCN485G
EAN: 4058352056707

Ausführung	Abdeckung, opal, direkt-/ indirekt strahlend, diffus
Bestückung	LED 4000 K | CRI ≥ 80
Betriebsgerät	EVG-Multilumen CLOi
Bemessungswerte	Nettolichtstrom = 8780 lm Systemleistung = 49.9 W Lichtausbeute = 176 lm/W

LP-Nummer
59520_105

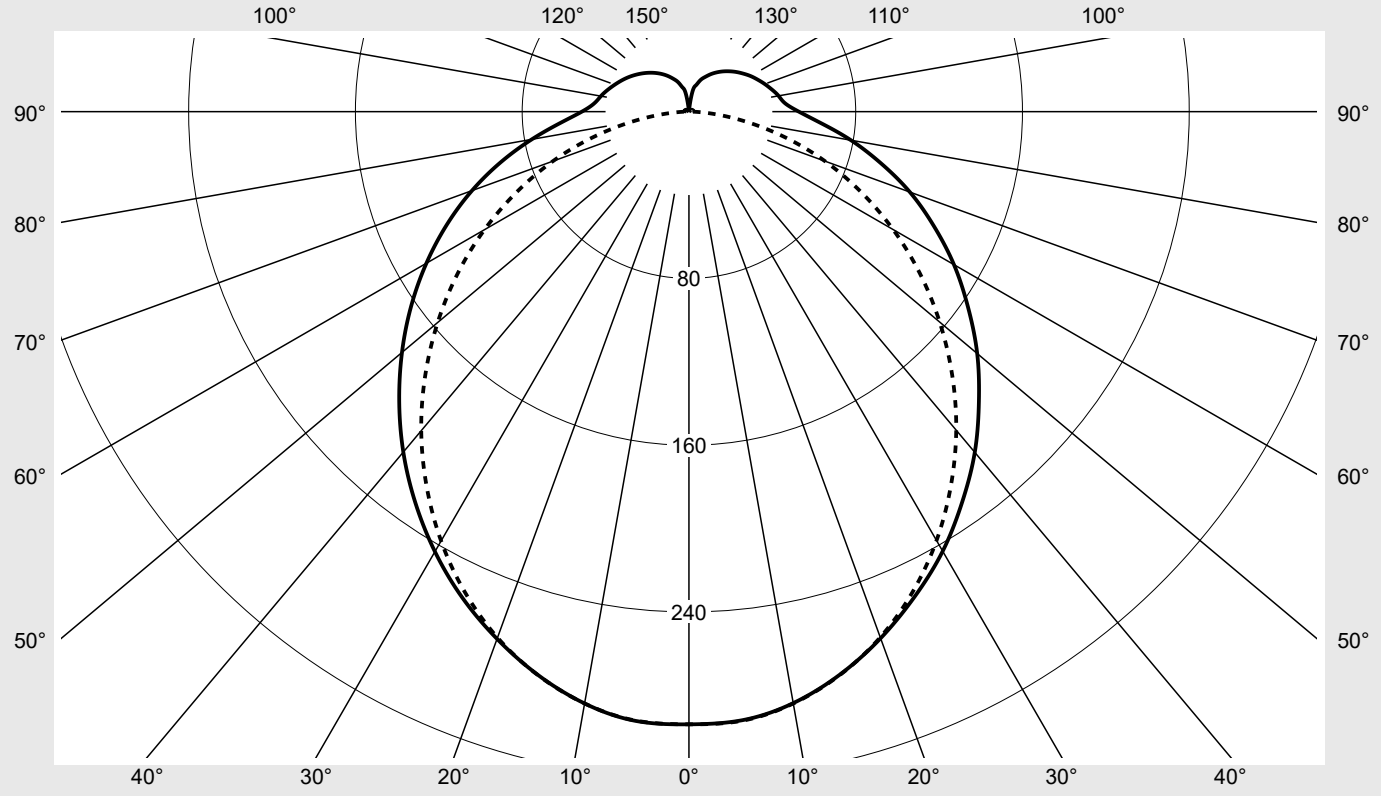
Seriendokumentation
29.01.2024

siteco

Lichtstärke in cd/klm

C180-0 C270-90

Imax: 294 cd/klm



Klassifizierungen

DIN 5040	B 3 1
CIE	N1=44 N2=73 N3=91 N4=87 N5=100

Leuchtenbetriebswirkungsgrade

ηLB	100,0%
ϕ_u	87,4%
ϕ_o	12,6%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 52TE1DCN485G	LP-Nummer
Licross® 21 Opal	**EAN: 4058352056707**	**59520_105**

siteco

Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

C-Ebenen γ	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
	Lichtstärke in cd/klm												
0°	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9
5°	293.1	292.7	289.9	291.0	293.1	293.0	293.3	293.1	293.1	292.5	291.2	291.6	293.4
10°	288.1	287.8	285.0	286.0	288.1	287.9	288.3	288.0	288.0	287.5	286.2	286.7	288.3
15°	279.6	279.4	276.6	277.6	279.6	279.4	279.8	279.5	279.5	279.0	277.7	278.4	279.8
20°	268.8	268.4	265.5	266.2	268.1	267.8	268.3	268.1	268.0	267.5	266.6	267.8	269.2
25°	256.5	256.4	252.9	252.4	253.9	253.4	254.1	253.8	253.8	253.6	254.0	255.9	257.2
30°	243.5	242.9	239.1	237.4	237.4	236.9	237.6	237.4	237.5	238.5	240.0	242.5	243.7
35°	228.6	228.2	223.9	221.1	219.2	218.5	219.1	218.9	219.7	221.9	224.6	227.5	228.9
40°	213.3	212.5	208.1	204.0	200.4	198.8	199.5	199.5	201.1	204.3	208.6	211.7	213.2
45°	196.7	195.9	191.2	185.9	180.8	177.8	178.6	178.3	181.6	186.0	191.4	194.8	196.6
50°	180.5	179.0	174.4	167.8	161.5	156.5	157.0	156.9	161.7	167.6	173.9	177.7	179.7
55°	163.4	162.0	157.2	149.2	141.7	135.1	135.2	135.5	141.8	149.1	156.1	160.5	162.7
60°	146.8	144.8	139.8	131.0	122.1	114.1	113.1	114.2	121.9	130.6	138.3	143.3	145.4
65°	129.6	127.7	122.3	112.9	103.0	93.4	91.0	93.7	102.6	112.1	120.5	126.2	128.1
70°	112.8	110.6	104.4	95.0	83.9	73.2	69.4	73.2	83.4	93.6	102.3	109.1	110.8
75°	95.2	93.5	86.3	76.8	64.8	53.0	48.0	53.1	64.1	74.9	84.3	91.4	93.3
80°	78.9	76.8	69.4	59.0	47.0	34.5	28.0	34.2	45.8	57.3	67.7	74.1	76.6
85°	63.7	61.7	54.7	44.0	31.4	18.8	11.3	18.6	30.6	42.7	52.6	59.2	61.9
90°	52.7	50.3	47.2	33.6	21.8	9.7	1.7	9.7	21.3	32.8	42.6	49.1	51.4
95°	46.3	44.0	38.4	29.9	19.4	8.9	1.8	8.9	19.3	29.6	38.3	43.8	45.6
100°	43.6	41.6	36.5	28.4	19.0	9.0	2.1	8.7	18.6	27.9	35.8	41.3	42.9
105°	41.1	39.4	34.3	27.0	18.2	9.1	2.1	8.8	17.9	26.7	33.7	38.6	40.4
110°	38.7	36.7	32.3	25.7	17.6	9.2	2.0	8.7	17.0	25.1	31.7	36.0	37.9
115°	36.4	34.4	30.4	24.3	17.0	9.3	1.9	8.8	16.4	23.6	29.8	33.7	35.5
120°	34.1	32.2	28.7	23.1	16.5	9.4	1.8	8.8	15.7	22.3	27.9	31.4	33.2
125°	31.8	30.1	26.8	21.8	15.8	9.4	1.6	8.8	15.0	21.0	26.0	29.2	30.9
130°	29.6	27.9	25.1	20.7	15.3	9.5	1.4	8.7	14.3	19.7	24.1	27.1	28.6
135°	27.4	25.8	23.3	19.5	14.6	8.1	1.3	7.6	13.7	18.5	22.3	24.9	26.4
140°	25.2	23.7	21.6	18.3	13.6	7.0	1.3	6.4	12.7	17.1	20.5	22.8	24.2
145°	23.0	21.6	19.8	16.6	12.1	6.4	1.2	5.9	11.1	15.6	18.8	20.7	21.9
150°	20.7	19.6	18.1	14.3	11.0	6.2	1.3	6.0	9.5	13.3	16.9	18.6	19.6
155°	18.4	17.4	15.6	12.5	8.2	5.5	1.3	5.2	7.5	11.1	14.5	16.4	17.3
160°	16.1	15.3	12.6	10.0	7.9	5.1	1.4	4.6	6.8	7.9	11.7	14.3	14.9
165°	13.1	12.1	8.6	7.8	8.1	5.4	1.4	4.8	6.9	7.0	6.9	11.2	12.1
170°	9.8	7.7	7.3	8.0	6.5	2.9	1.4	2.2	5.4	6.7	6.3	6.6	8.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 52TE1DCN485G	LP-Nummer
Licross® 21 Opal	**EAN: 4058352056707**	**59520_105**

siteco

Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

C-Ebenen γ	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0°	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	**1.8**	**1.8**
5°	292.9	289.8	290.9	292.8	292.8	293.2	292.8	292.9	292.3	291.2	292.0	**14.0**	**15.7**
10°	288.0	285.0	285.8	287.9	287.8	288.3	287.9	288.0	287.3	286.3	287.0	**27.3**	**43.1**
15°	279.5	276.7	277.5	279.4	279.4	279.9	279.5	279.5	278.9	277.9	279.0	**39.6**	**82.6**
20°	268.9	265.7	266.2	268.0	267.9	268.5	268.2	268.1	267.5	266.6	267.7	**50.2**	**132.8**
25°	256.9	253.4	252.5	253.8	253.6	254.3	254.0	254.0	253.5	253.8	256.1	**58.9**	**191.7**
30°	243.4	239.6	237.7	237.4	237.1	237.8	237.6	237.8	238.3	239.7	242.3	**65.6**	**257.3**
35°	228.5	224.4	221.4	219.4	218.7	219.4	219.3	219.8	221.8	224.6	228.0	**70.0**	**327.3**
40°	212.7	208.2	204.2	200.7	198.9	199.8	199.8	201.1	204.3	208.6	211.9	**72.3**	**399.6**
45°	195.8	191.1	185.9	181.0	177.8	178.9	178.7	181.7	186.2	191.6	195.6	**72.3**	**472.0**
50°	178.6	174.0	167.6	161.4	156.5	157.3	157.3	162.0	168.0	174.3	178.3	**70.5**	**542.5**
55°	161.2	156.5	148.8	141.5	135.3	135.5	135.8	142.2	149.7	156.9	161.8	**66.9**	**609.4**
60°	143.7	138.7	130.1	121.6	114.2	113.3	114.6	122.5	131.3	139.3	144.4	**61.7**	**671.1**
65°	126.5	121.0	111.8	102.3	93.3	91.1	94.0	103.2	113.1	121.8	128.0	**55.2**	**726.3**
70°	109.1	102.8	93.5	83.0	72.9	69.4	73.6	84.1	94.6	103.5	110.4	**47.6**	**773.9**
75°	91.6	84.7	75.4	63.7	52.5	47.9	53.5	65.0	76.2	85.9	93.4	**39.0**	**812.9**
80°	74.9	67.7	57.5	45.8	33.9	27.9	34.5	46.6	58.5	69.1	75.6	**30.2**	**843.1**
85°	59.9	53.1	42.6	30.4	18.3	11.1	18.9	31.3	43.7	53.8	61.1	**22.2**	**865.3**
90°	49.1	42.6	32.8	21.3	9.6	1.7	9.7	21.6	33.2	43.3	50.0	**16.9**	**882.1**
95°	43.4	38.0	29.6	19.2	8.8	1.8	8.9	19.4	29.7	38.6	44.5	**14.9**	**897.1**
100°	41.0	35.9	27.9	18.7	8.8	2.1	8.9	18.7	28.1	36.1	41.8	**14.0**	**911.1**
105°	38.7	33.7	26.5	17.8	8.7	2.1	9.0	18.1	27.0	34.2	39.3	**13.1**	**924.2**
110°	35.9	31.6	25.0	17.1	8.8	2.0	9.1	17.4	25.5	32.1	36.6	**12.0**	**936.2**
115°	33.6	29.7	23.6	16.4	8.7	1.9	9.3	16.9	24.2	30.4	34.4	**11.0**	**947.2**
120°	31.4	27.9	22.4	15.7	8.8	1.8	9.3	16.2	22.9	28.6	32.2	**9.9**	**957.1**
125°	29.2	26.0	21.1	15.0	8.7	1.6	9.4	15.7	21.7	26.8	30.1	**8.9**	**966.0**
130°	27.0	24.2	19.8	14.4	8.7	1.4	9.4	15.1	20.5	24.9	27.8	**7.8**	**973.7**
135°	24.9	22.4	18.6	13.7	7.3	1.3	8.2	14.6	19.3	23.2	25.8	**6.7**	**980.4**
140°	22.7	20.6	17.3	12.7	6.4	1.3	7.0	13.5	18.0	21.5	23.6	**5.6**	**986.0**
145°	20.6	18.9	15.7	11.3	5.8	1.2	6.5	12.0	15.8	19.8	21.6	**4.5**	**990.5**
150°	18.5	17.0	13.4	10.2	6.1	1.3	6.3	10.3	14.2	17.9	19.5	**3.5**	**994.0**
155°	16.4	14.6	11.8	7.5	4.9	1.3	5.8	8.1	12.0	15.5	17.4	**2.6**	**996.6**
160°	14.2	11.8	9.1	7.1	4.6	1.4	5.2	7.3	8.7	12.7	15.3	**1.8**	**998.3**
165°	11.1	8.0	7.1	7.6	4.8	1.4	5.5	7.3	7.6	7.6	12.0	**1.1**	**999.4**
170°	6.9	7.3	7.0	5.8	2.1	1.4	3.1	6.1	7.5	6.2	7.2	**0.6**	**1000.0**
175°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	**0.0**	**1000.0**

Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 52TE1DCN485G	LP-Nummer
Licross® 21 Opal	EAN: 4058352056707	59520_105

siteco

UGR-Tabelle

Standardraum

Reflexionsgrad Decke		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Reflexionsgrad Wände		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Reflexionsgrad Boden		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Raumabmessungen x	y	Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
2H	2H	21,3	22,9	21,8	23,3	23,8	21,0	22,5	21,4	23,0	23,5
	3H	23,3	24,7	23,7	25,1	25,7	22,5	24,0	23,0	24,4	24,9
	4H	24,1	25,4	24,6	25,9	26,4	23,0	24,4	23,6	24,9	25,4
	6H	24,8	26,0	25,4	26,6	27,2	23,4	24,6	23,9	25,2	25,8
	8H	25,2	26,4	25,8	26,9	27,5	23,6	24,7	24,1	25,3	25,9
	12H	25,5	26,6	26,1	27,2	27,8	23,6	24,7	24,1	25,2	25,9
4H	2H	22,0	23,3	22,5	23,8	24,4	21,7	23,0	22,2	23,5	24,1
	3H	24,0	25,2	24,6	25,7	26,3	23,4	24,5	23,9	25,0	25,6
	4H	25,1	26,1	25,6	26,6	27,3	24,1	25,1	24,6	25,6	26,3
	6H	26,0	26,9	26,6	27,5	28,2	24,5	25,4	25,1	26,0	26,7
	8H	26,5	27,3	27,1	27,9	28,6	24,7	25,6	25,3	26,2	26,8
	12H	26,9	27,6	27,5	28,2	28,9	24,8	25,5	25,4	26,2	26,9
8H	4H	25,4	26,2	26,0	26,8	27,5	24,5	25,3	25,1	25,9	26,6
	6H	26,5	27,2	27,1	27,8	28,6	25,1	25,8	25,8	26,5	27,2
	8H	27,1	27,7	27,7	28,3	29,1	25,4	26,0	26,0	26,7	27,4
	12H	27,6	28,2	28,3	28,8	29,6	25,5	26,1	26,2	26,7	27,5
12H	4H	25,3	26,1	26,0	26,7	27,4	24,5	25,2	25,1	25,8	26,6
	6H	26,5	27,1	27,2	27,8	28,6	25,3	25,8	25,9	26,5	27,3
	8H	27,2	27,7	27,9	28,4	29,2	25,6	26,1	26,2	26,8	27,5

Leuchtdichten-Tabelle

Max. für $\gamma >= 65°$

Lichttechnische Abmessungen in mm: L = 1500, B = 76, H(C0) = 25, H(C90) = 25, H(C180) = 25, H(C270) = 25

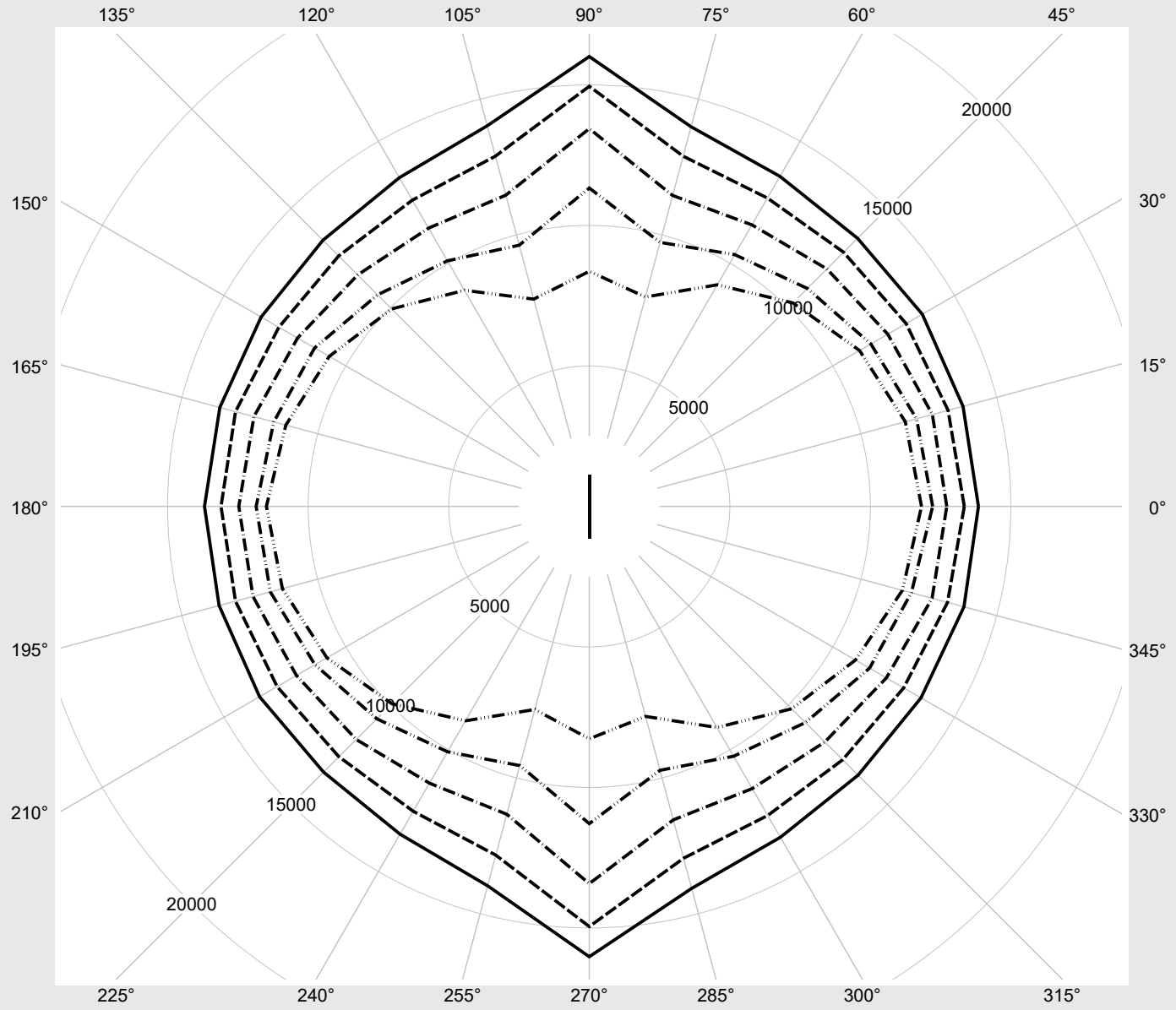
C-Ebenen	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Leuchtdichte in cd/m²											
45°	16123.1	16104.7	16708.0	19131.2	16775.3	16118.4	16109.9	16097.9	16723.0	19165.9	16782.8	16138.8
50°	15538.0	15481.7	15947.6	18447.5	15971.7	15438.5	15468.3	15445.7	15939.6	18485.6	15995.7	15474.5
55°	14929.8	14876.4	15155.6	17735.5	15164.3	14776.8	14863.2	14807.4	15138.3	17767.3	15207.6	14853.4
60°	14406.2	14277.6	14358.5	16933.6	14339.4	14128.6	14271.1	14169.9	14301.3	16957.9	14406.1	14227.9
65°	13844.0	13679.5	13563.1	16009.4	13509.7	13480.0	13688.1	13543.5	13467.1	16023.6	13595.1	13625.1
70°	13340.3	13014.9	12672.6	14951.3	12587.0	12752.1	13100.8	12822.8	12525.9	14951.3	12697.1	12913.9
75°	12717.1	12260.7	11570.0	13444.3	11435.7	11984.3	12468.2	12030.4	11372.0	13423.8	11594.6	12203.2
80°	12214.5	11565.2	10347.4	11330.5	10092.2	11281.9	11850.8	11268.4	10081.7	11287.5	10265.3	11511.2
85°	11818.4	11099.9	9106.9	8365.4	8881.1	10680.3	11486.0	10775.8	8808.3	8269.7	9083.4	10933.5

Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 52TE1DCN485G	LP-Nummer
Licross® 21 Opal	**EAN: 4058352056707**	**59520_105**

Leuchtdichten in cd/m²

γ 65° γ 70° γ 75° γ 80° γ 85°



Lichttechnischer Prüfbefund

Familie	Bestell-Nr.: 52TE1DCN485G	LP-Nummer
Licross® 21 Opal	**EAN: 4058352056707**	**59520_105**

siteco

Multilumen-Tabelle

Umgebungstemperatur: 25°C

DIP-Stufe	Schalterstellung 1	2	3	Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
1	A	C	E	8780	49.9	60.5	55.2
2	A	C	F	8360	47.3	56.9	52.1
3	A	D	E	7870	44.4	53.4	48.9
4	A	D	F	7370	41.4	49.5	45.4
5	B	C	E	6860	38.4	45.6	42.0
6	B	C	F	6350	35.3	42.2	38.8
7	B	D	E	5900	32.8	39.2	36.0
8	B	D	F	5380	29.9	35.3	32.6