

Lichttechnischer Prüfbefund

Familie
Licross® 11 Recessed

Bestell-Nr.: 51TL1DMN495G
EAN: 4058352055236

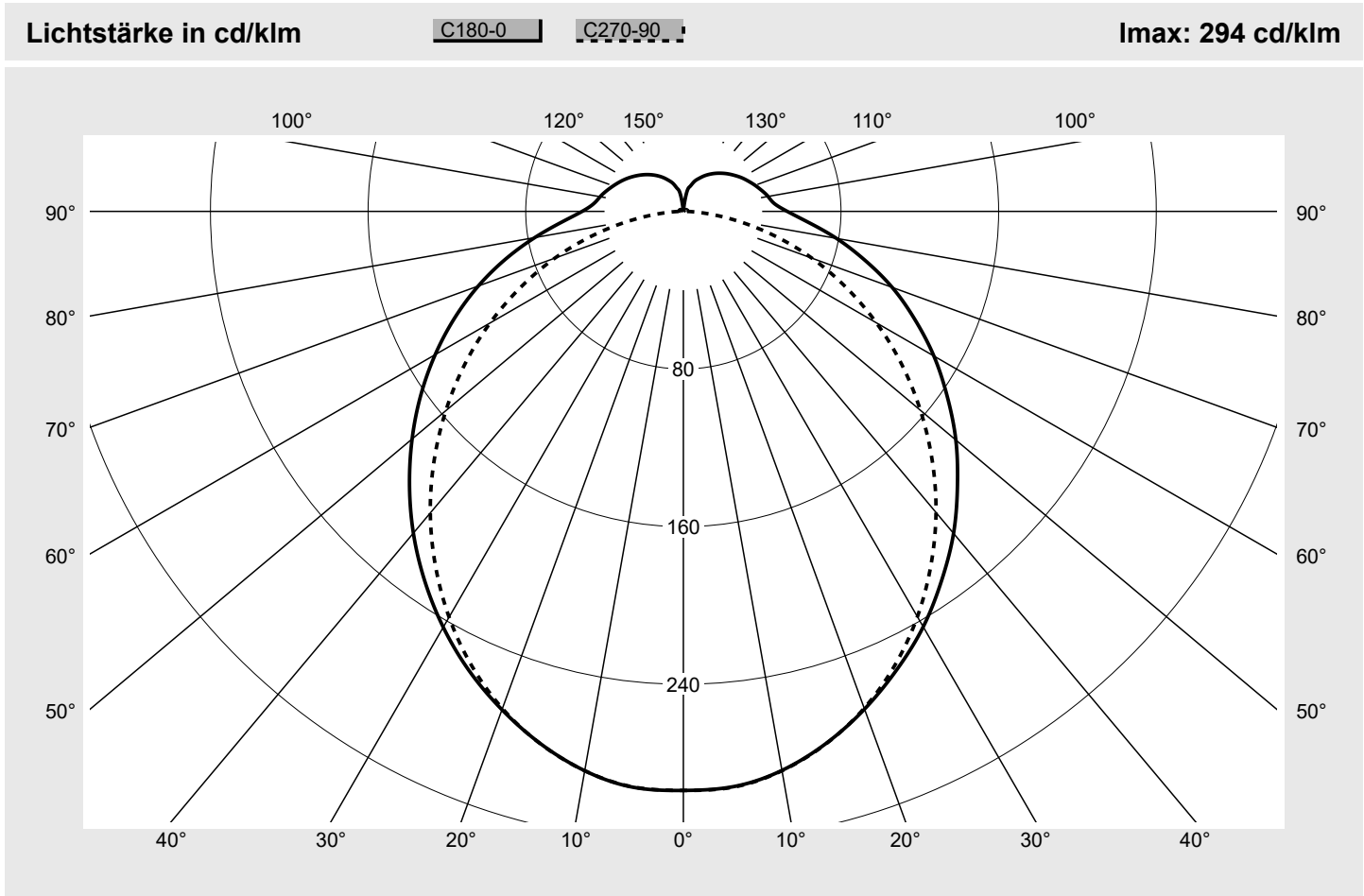
LP-Nummer
59520_246



Ausführung Abdeckung, opal, direkt-/ indirekt strahlend, diffus
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen
Bemessungswerte Nettolichtstrom = 9750 lm
Systemleistung = 55.2 W
Lichtausbeute = 176.6 lm/W

Seriendokumentation
19.01.2024





Klassifizierungen		Leuchtenbetriebswirkungsgrade	
DIN 5040	B 3 1	η_{LB}	100,0%
CIE	N1=44 N2=73 N3=91	ϕ_u	87,4%
	N4=87 N5=100	ϕ_o	12,6%

Messbedingungen
DIN EN 13032 und DIN 5032

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Familie Licross® 11 Recessed				Bestell-Nr.: 51TL1DMN495G EAN: 4058352055236								LP-Nummer 59520_246	
Wertetabelle Lichtstärkemessung												siteco	
Maximale Lichtstärke													
C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°		
γ	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 Licross® 11 Recessed				Bestell-Nr.: 51TL1DMN495G EAN: 4058352055236								LP-Nummer 59520_246	
Wertetabelle Lichtstärkemessung												siteco	
C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
γ	Maximale Lichtstärke											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

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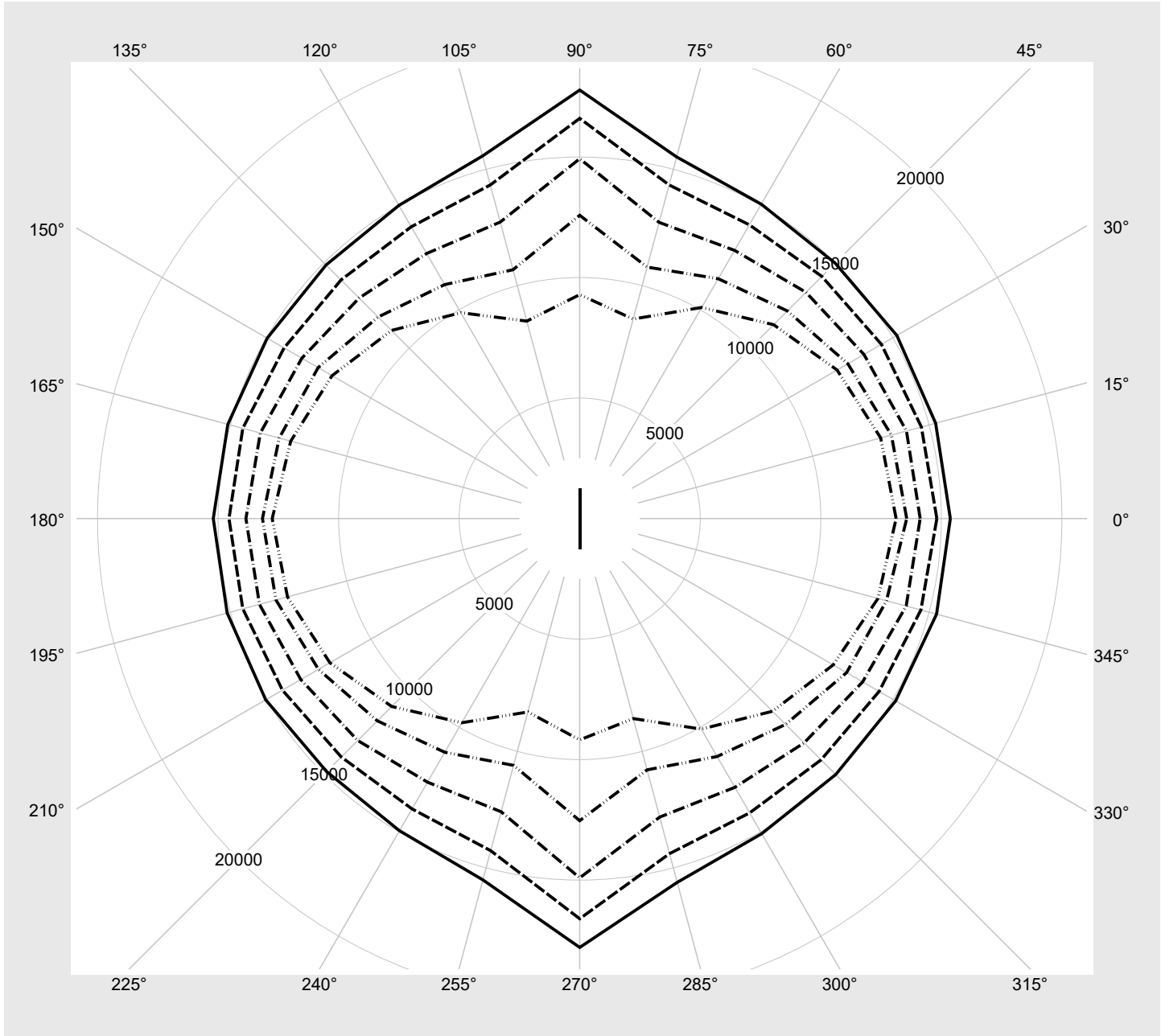
Familie Licross® 11 Recessed			Bestell-Nr.: 51TL1DMN495G EAN: 4058352055236							LP-Nummer 59520_246	
UGR-Tabelle			Standardraum							siteco	
Reflexionsgrad Decke		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Reflexionsgrad Wände		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Reflexionsgrad Boden		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,7	23,2	22,1	23,7	24,2	21,3	22,9	21,8	23,3	23,8
	3H	23,6	25,0	24,1	25,5	26,0	22,9	24,3	23,4	24,8	25,3
	4H	24,4	25,7	24,9	26,2	26,8	23,4	24,7	23,9	25,2	25,8
	6H	25,2	26,4	25,7	26,9	27,5	23,8	25,0	24,3	25,5	26,1
	8H	25,6	26,7	26,1	27,3	27,9	23,9	25,1	24,5	25,6	26,2
	12H	25,9	26,9	26,5	27,5	28,2	23,9	25,0	24,5	25,6	26,2
4H	2H	22,4	23,7	22,9	24,2	24,7	22,0	23,3	22,6	23,9	24,4
	3H	24,4	25,5	25,0	26,1	26,7	23,7	24,8	24,3	25,4	26,0
	4H	25,4	26,4	26,0	27,0	27,6	24,4	25,4	25,0	26,0	26,6
	6H	26,3	27,2	27,0	27,8	28,5	24,9	25,8	25,5	26,4	27,1
	8H	26,8	27,6	27,4	28,3	29,0	25,1	25,9	25,7	26,5	27,2
	12H	27,2	27,9	27,9	28,6	29,3	25,1	25,9	25,8	26,5	27,2
8H	4H	25,7	26,5	26,3	27,2	27,8	24,8	25,6	25,4	26,2	26,9
	6H	26,9	27,6	27,5	28,2	28,9	25,5	26,2	26,1	26,8	27,6
	8H	27,4	28,1	28,1	28,7	29,5	25,8	26,4	26,4	27,0	27,8
	12H	28,0	28,5	28,7	29,2	30,0	25,9	26,4	26,6	27,1	27,9
12H	4H	25,7	26,4	26,3	27,1	27,8	24,9	25,6	25,5	26,2	26,9
	6H	26,9	27,5	27,6	28,2	28,9	25,6	26,2	26,3	26,9	27,6
	8H	27,5	28,1	28,2	28,7	29,5	25,9	26,5	26,6	27,1	27,9

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$		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°	17904.4	17883.9	18553.9	21244.8	18628.7	17899.1	17889.7	17876.4	18570.5	21283.3	18637.0	17921.8
50°	17254.6	17192.0	17709.5	20485.6	17736.2	17144.1	17177.2	17152.1	17700.6	20527.9	17762.9	17184.1
55°	16579.3	16520.0	16830.0	19694.8	16839.6	16409.3	16505.3	16443.3	16810.8	19730.2	16887.7	16494.4
60°	15997.8	15855.0	15944.8	18804.4	15923.6	15689.5	15847.7	15735.4	15881.3	18831.3	15997.7	15799.7
65°	15373.5	15190.8	15061.5	17778.1	15002.3	14969.3	15200.3	15039.7	14954.9	17793.9	15097.0	15130.4
70°	14814.1	14452.8	14072.6	16603.0	13977.6	14161.0	14548.1	14239.5	13909.7	16603.0	14099.8	14340.6
75°	14122.1	13615.2	12848.3	14929.6	12699.1	13308.3	13845.7	13359.5	12628.3	14906.9	12875.6	13551.3
80°	13563.9	12842.9	11490.5	12582.2	11207.2	12528.3	13160.0	12513.3	11195.5	12534.5	11399.3	12783.0
85°	13124.0	12326.2	10113.0	9289.6	9862.3	11860.2	12755.0	11966.2	9781.4	9183.3	10086.9	12141.5

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

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Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DMN495G EAN: 4058352055236	LP-Nummer 59520_246
Multilumen-Tabelle Umgebungstemperatur: 25°C		sITeco

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	9750	55.2
2	A	C	F	9330	52.5
3	A	D	E	8820	49.3
4	A	D	F	8310	46.2
5	B	C	E	7590	41.7
6	B	C	F	7360	40.4
7	B	D	E	6840	37.4
8	B	D	F	6400	34.8