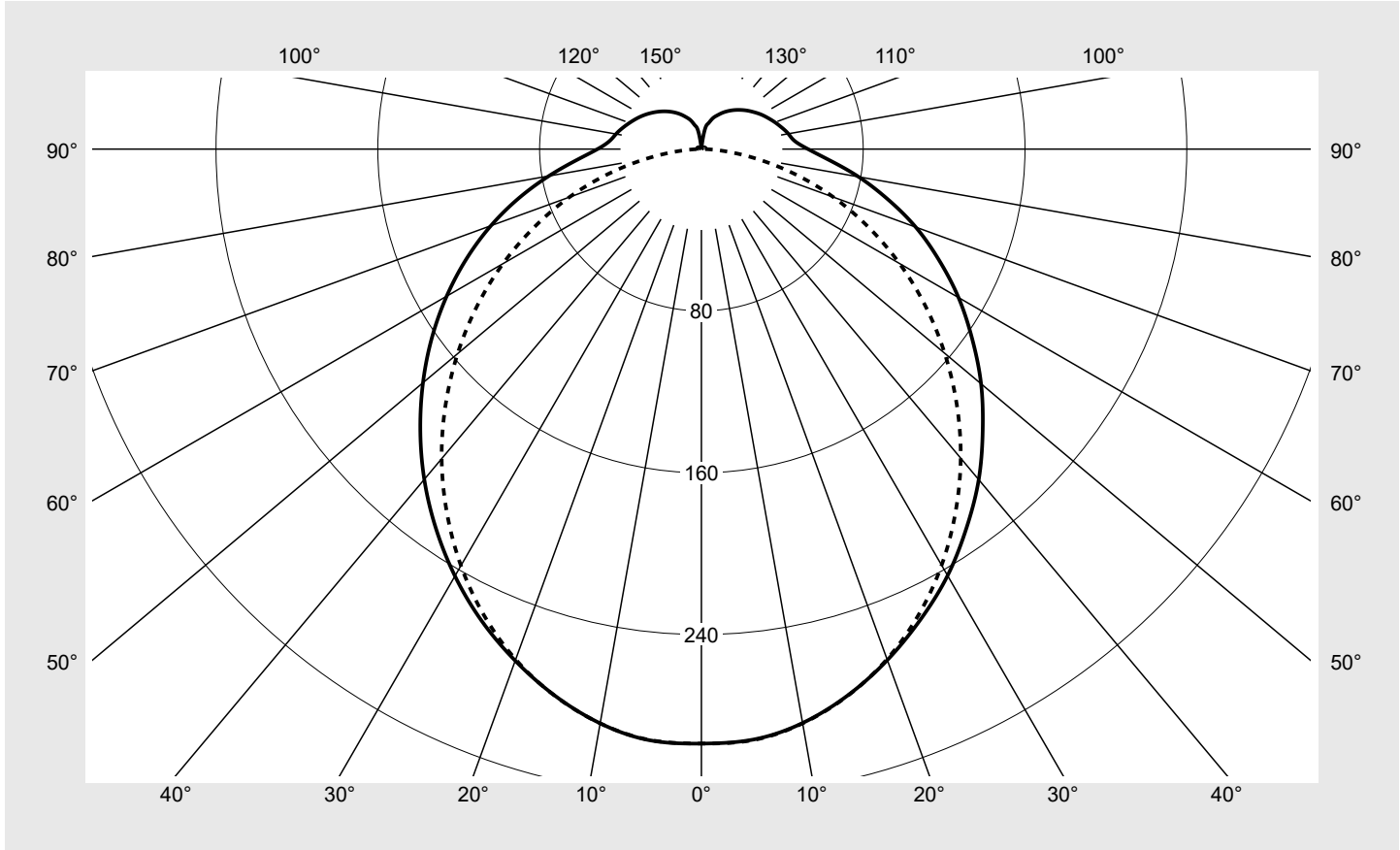


Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN495G EAN: 4058352049839	LP-Nummer 59520_133
	Ausführung Abdeckung, opal, direkt-/ indirekt strahlend, diffus Bestückung LED 4000 K CRI ≥ 80 Betriebsgerät EVG-DALI Bemessungswerte Nettolichtstrom = 9710 lm Systemleistung = 56.7 W Lichtausbeute = 171.3 lm/W	Seriendokumentation 18.01.2024
		

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	
η_{LB}	100,0%
ϕ_u	87,4%
ϕ_o	12,6%

Messbedingungen
DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN495G EAN: 4058352049839	LP-Nummer 59520_133
---	---	--------------------------------------

Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
--	-----------------------------	---------------

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
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.: 51TL1DDN495G EAN: 4058352049839	LP-Nummer 59520_133
---	---	--------------------------------------

Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
--	-----------------------------	---------------

C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
γ	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	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.: 51TL1DDN495G EAN: 4058352049839	LP-Nummer 59520_133
--	---	-------------------------------

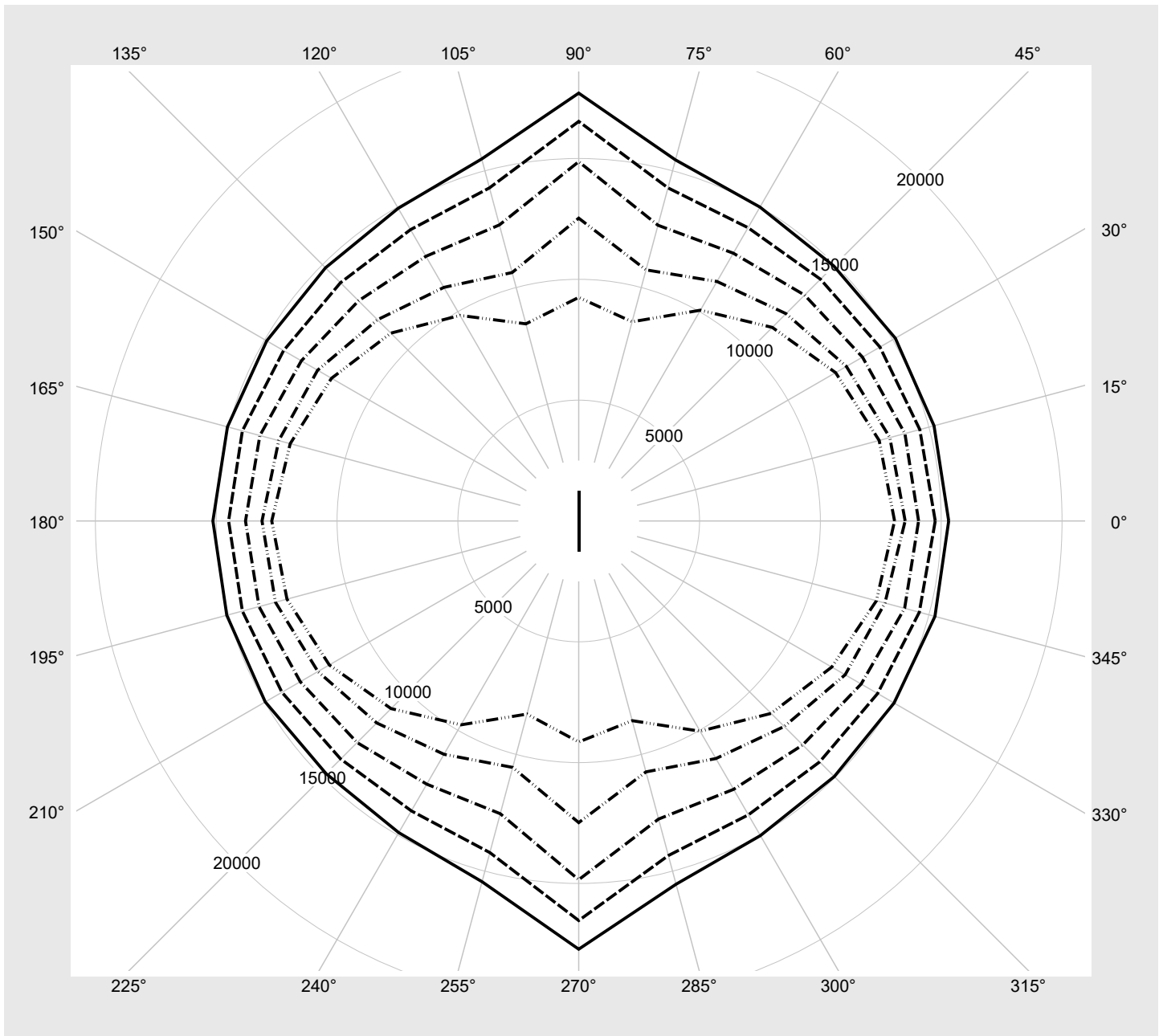
UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	21,7	23,2	22,1	23,7	24,2	21,3	22,9	21,8	23,3	23,8
	3H	23,6	25,0	24,1	25,5	26,0	22,9	24,3	23,4	24,8	25,3
	4H	24,4	25,7	24,9	26,2	26,8	23,4	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	24,4	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	22,3	23,7	22,8	24,2	24,7	22,0	23,3	22,5	23,8	24,4
	3H	24,4	25,5	24,9	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	26,9	27,8	28,5	24,9	25,8	25,5	26,4	27,1
	8H	26,8	27,6	27,4	28,2	28,9	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	27,1	27,8	24,8	25,6	25,4	26,2	26,9
	6H	26,9	27,5	27,5	28,2	28,9	25,5	26,2	26,1	26,8	27,5
	8H	27,4	28,0	28,1	28,7	29,4	25,7	26,4	26,4	27,0	27,7
	12H	28,0	28,5	28,7	29,2	29,9	25,9	26,4	26,5	27,1	27,8
12H	4H	25,7	26,4	26,3	27,1	27,8	24,8	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	26,4	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	γ	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
		Leuchtdichte in cd/m²											
45°		17831.0	17810.6	18477.7	21157.6	18552.2	17825.7	17816.3	17803.0	18494.3	21196.0	18560.5	17848.3
50°		17183.9	17121.5	17636.8	20401.5	17663.5	17073.8	17106.7	17081.7	17628.0	20443.6	17690.0	17113.6
55°		16511.2	16452.2	16760.9	19614.0	16770.5	16342.0	16437.6	16375.9	16741.8	19649.3	16818.4	16426.7
60°		15932.2	15789.9	15879.4	18727.3	15858.3	15625.1	15782.7	15670.9	15816.2	18754.1	15932.0	15734.9
65°		15310.4	15128.5	14999.7	17705.1	14940.7	14907.9	15138.0	14978.0	14893.5	17720.9	15035.1	15068.4
70°		14753.3	14393.5	14014.9	16534.9	13920.2	14102.9	14488.5	14181.1	13852.6	16534.9	14042.0	14281.8
75°		14064.1	13559.4	12795.5	14868.3	12647.0	13253.7	13788.9	13304.7	12576.5	14845.7	12822.8	13495.7
80°		13508.3	12790.2	11443.4	12530.6	11161.2	12476.9	13106.0	12462.0	11149.5	12483.1	11352.6	12730.5
85°		13070.2	12275.6	10071.5	9251.5	9821.8	11811.6	12702.7	11917.1	9741.3	9145.6	10045.5	12091.7

Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN495G EAN: 4058352049839	LP-Nummer 59520_133
--	---	--------------------------------------

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



Lichttechnischer Prüfbefund

Familie Licross® 11 Recessed	Bestell-Nr.: 51TL1DDN495G EAN: 4058352049839	LP-Nummer 59520_133
--	---	--------------------------------------

Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	9710	56.7
95	240	252	9220	53.6
90	226	250	8722	50.4
85	213	248	8257	47.5
80	199	245	7752	44.4
75	186	243	7277	41.5
70	173	240	6800	38.5
65	160	237	6319	35.7
60	147	234	5832	32.8
55	134	231	5338	29.9
50	121	227	4842	27.2
45	109	223	4380	24.6
40	96	218	3872	21.9
35	84	213	3402	19.3
30	72	208	2928	16.9
25	60	201	2447	14.4
20	47	192	1925	11.6
15	35	181	1438	9.1
10	24	168	988	6.8
5	12	142	491	4.4
2	4	102	158	2.8