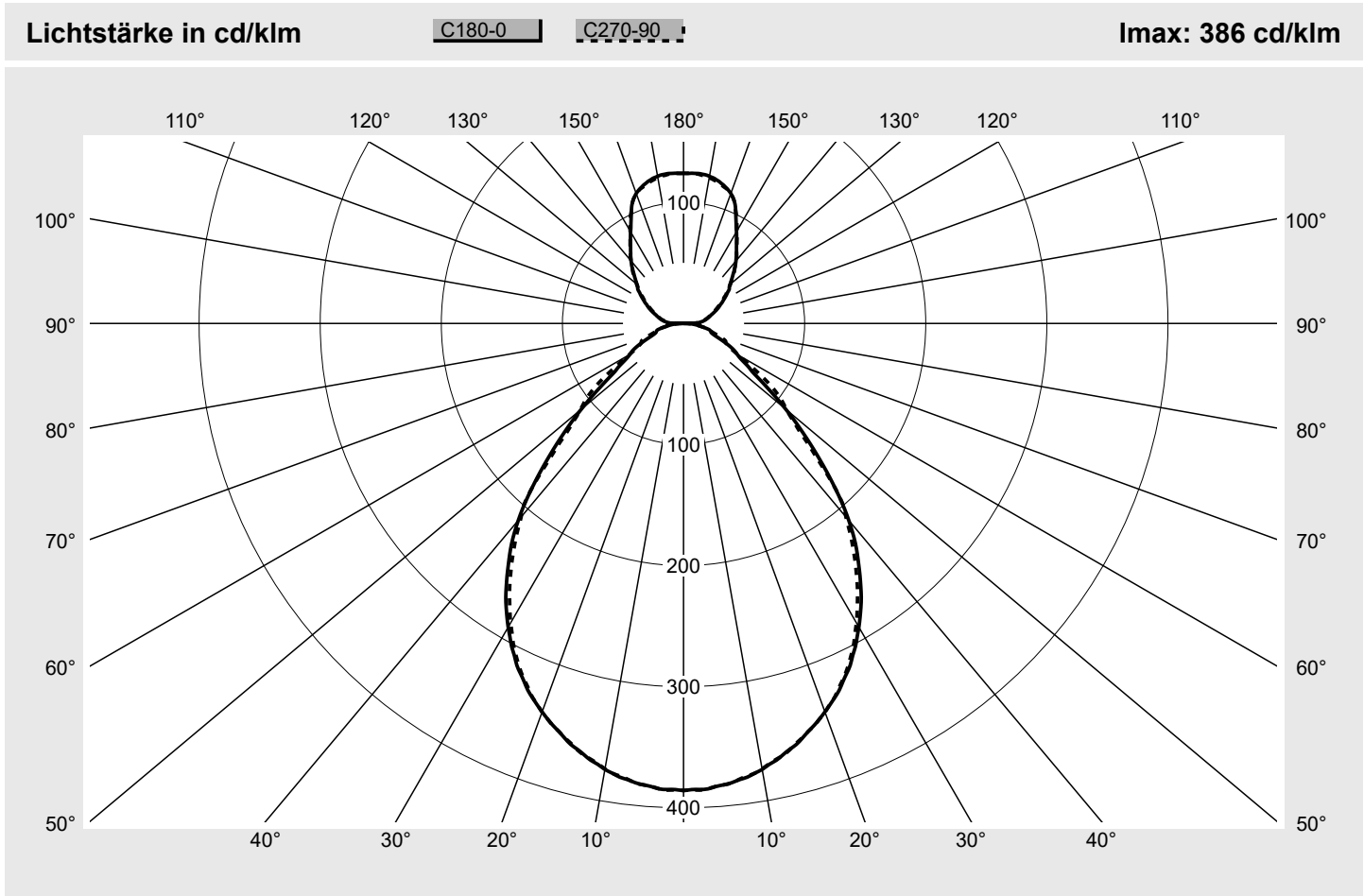


Lichttechnischer Prüfbefund

Familie Round 21 S	Bestell-Nr.: 51MR34ND0321B EAN: 4058352829790	LP-Nummer 59654_29
	Ausführung	Pendelleuchte, Mikroprismenabdeckung, PMMA, breit strahlend, direkt-/ indirekt strahlend, Gehäuse, Alu, schwarz, UGR≤19
	Bestückung	LED 3000 K CRI ≥ 80
	Betriebsgerät	EVG-DALI
	Bemessungswerte	Nettolichtstrom = 3660 lm Systemleistung = 28.3 W Lichtausbeute = 129.3 lm/W
		Seriendokumentation 23.01.2026
		



Klassifizierungen		Leuchtenbetriebswirkungsgrade	
DIN 5040	B 5 3	η _{LB}	100,0%
CIE	N1=66 N2=90 N3=98	φ _u	70,6%
	N4=71 N5=100	φ _o	29,4%

Messbedingungen
DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Round 21 S	Bestell-Nr.: 51MR34ND0321B EAN: 4058352829790	LP-Nummer 59654_29
Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco

C- Ebenen	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
0°	385.7	385.7	385.7	385.7	385.7	385.7	385.7	0.1	0.1
1°	385.0	385.3	384.9	385.7	385.2	385.8	385.3	0.7	0.8
2°	385.1	385.3	384.7	384.8	385.1	385.3	385.6	1.5	2.3
3°	384.9	384.4	384.2	384.6	384.4	384.5	384.8	2.2	4.5
4°	383.3	383.8	383.7	384.1	383.1	383.9	383.2	2.9	7.4
5°	382.4	382.7	382.8	382.6	382.2	382.5	382.5	3.7	11.1
6°	381.3	381.9	381.4	381.6	380.9	381.5	381.5	4.4	15.5
7°	379.5	380.2	379.8	379.8	379.7	379.9	379.2	5.1	20.5
8°	378.3	378.8	378.4	378.5	378.1	378.8	377.4	5.8	26.3
9°	376.0	376.7	376.0	376.5	375.3	376.7	376.1	6.5	32.8
10°	374.0	374.7	374.1	374.6	373.4	374.4	373.5	7.1	39.9
11°	370.9	372.5	371.7	371.8	370.7	372.2	370.5	7.8	47.7
12°	368.8	369.8	369.0	369.7	368.0	369.4	368.0	8.4	56.1
13°	365.5	367.3	366.0	367.1	365.3	366.8	365.9	9.0	65.1
14°	362.4	364.6	363.2	364.3	362.6	363.9	362.8	9.6	74.8
15°	359.9	361.6	359.9	361.1	359.0	361.0	359.0	10.2	85.0
16°	356.2	358.0	357.0	358.2	356.0	357.8	355.9	10.8	95.8
17°	352.3	355.1	353.8	354.9	352.3	354.3	352.2	11.3	107.1
18°	349.0	351.4	350.0	351.4	348.4	351.0	349.2	11.9	119.0
19°	345.3	348.0	346.4	347.3	344.6	347.0	345.3	12.4	131.4
20°	341.4	343.9	342.3	343.5	340.9	343.5	341.6	12.8	144.2
21°	337.3	340.1	338.4	339.6	336.3	339.0	336.9	13.3	157.5
22°	333.2	335.4	334.1	335.3	332.0	334.2	333.0	13.7	171.2
23°	329.0	331.3	329.5	330.6	327.6	329.9	327.5	14.1	185.4
24°	323.7	326.6	324.4	325.8	322.7	325.1	322.7	14.5	199.8
25°	318.8	321.6	318.9	320.4	317.7	320.1	317.5	14.8	214.7
26°	314.0	316.3	313.5	315.2	312.3	314.2	311.8	15.1	229.8
27°	307.7	310.6	307.6	309.1	306.4	309.0	305.7	15.3	245.1
28°	302.3	304.3	301.4	303.5	300.7	302.6	299.5	15.6	260.7
29°	295.7	298.2	294.8	297.4	294.6	296.4	292.2	15.7	276.4
30°	289.6	291.6	288.0	291.0	288.0	290.1	285.5	15.9	292.3
31°	283.0	285.0	280.5	284.0	282.5	282.8	278.3	16.0	308.2
32°	276.4	277.8	273.8	277.0	275.9	276.1	271.0	16.0	324.2
33°	269.5	270.8	266.2	269.7	269.4	268.6	263.9	16.0	340.3
34°	261.7	263.3	258.9	262.4	262.3	261.6	256.1	16.0	356.3
35°	254.0	256.0	251.6	254.8	255.0	253.9	248.4	16.0	372.3
36°	246.1	248.3	243.8	246.8	247.4	245.8	240.7	15.9	388.1
37°	238.4	240.3	235.8	238.8	239.8	237.6	232.6	15.7	403.8
38°	230.5	231.7	227.8	230.2	232.0	229.0	224.9	15.5	419.3
39°	221.7	222.5	219.5	221.2	223.7	219.6	216.5	15.2	434.6
40°	212.3	213.0	210.1	211.6	215.3	209.7	208.6	14.9	449.5
41°	202.4	202.4	199.7	201.7	206.4	199.2	202.2	14.5	464.0
42°	191.8	191.6	189.6	191.5	196.4	188.5	192.6	14.1	478.1
43°	180.9	180.6	181.0	181.0	186.6	177.8	180.0	13.6	491.6
44°	170.1	169.6	168.4	170.7	176.2	167.8	166.2	13.0	504.6

Lichttechnischer Prüfbefund

Familie Round 21 S	Bestell-Nr.: 51MR34ND0321B EAN: 4058352829790	LP-Nummer 59654_29
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
45°	159.3	159.0	156.5	160.3	165.7	157.7	153.3	12.3	516.9
46°	149.0	148.8	145.8	149.4	158.7	147.8	142.7	11.8	528.7
47°	138.9	139.0	133.8	139.0	148.2	138.5	131.6	11.1	539.9
48°	129.2	130.0	125.0	129.2	138.7	129.5	124.1	10.6	550.5
49°	119.9	121.5	117.7	119.6	127.6	121.1	116.8	10.0	560.5
50°	110.2	113.4	111.2	111.0	117.5	113.1	111.4	9.5	569.9
51°	101.0	105.5	106.0	103.0	107.2	105.3	106.9	9.0	578.9
52°	91.7	97.9	100.6	95.4	97.0	97.9	102.7	8.4	587.3
53°	83.1	90.7	95.5	88.4	87.5	90.7	97.6	7.9	595.3
54°	75.5	83.7	90.1	81.4	78.7	83.6	91.8	7.4	602.7
55°	69.0	77.3	84.2	75.2	71.0	77.2	85.3	6.9	609.6
56°	65.5	71.4	77.9	69.2	64.6	71.3	77.7	6.5	616.1
57°	61.0	65.7	71.6	64.1	59.3	65.8	70.3	6.0	622.1
58°	56.6	60.6	65.3	59.7	55.1	60.9	63.3	5.6	627.7
59°	53.4	55.8	59.2	55.9	52.0	56.5	57.2	5.2	632.9
60°	51.3	51.4	53.7	52.3	49.7	52.2	52.0	4.9	637.8
61°	49.4	47.8	49.0	49.2	48.0	48.7	47.9	4.7	642.5
62°	47.4	44.7	45.1	46.5	46.4	45.8	44.5	4.4	646.9
63°	44.8	42.2	42.4	43.9	44.6	43.2	42.0	4.2	651.2
64°	41.9	39.9	40.4	41.1	42.1	40.4	40.1	4.0	655.2
65°	38.6	37.9	39.2	38.3	39.2	37.6	38.7	3.8	659.0
66°	35.6	35.8	38.2	35.5	36.0	34.8	38.2	3.6	662.6
67°	32.6	33.8	37.2	32.9	33.2	32.4	37.8	3.4	666.1
68°	29.9	31.9	35.5	30.6	30.7	30.2	36.7	3.3	669.3
69°	27.6	30.0	33.5	28.7	28.6	28.6	34.5	3.1	672.4
70°	25.9	28.4	31.1	27.6	26.9	27.4	31.9	2.9	675.3
71°	24.7	26.9	28.8	26.9	25.4	26.4	29.3	2.8	678.1
72°	23.9	25.4	26.8	26.0	24.1	25.5	27.0	2.7	680.8
73°	23.6	24.0	25.2	24.7	23.2	24.3	25.2	2.5	683.3
74°	23.3	22.8	24.1	23.1	22.7	23.0	23.8	2.4	685.8
75°	22.8	21.7	23.0	21.5	22.4	21.5	22.7	2.3	688.1
76°	22.2	20.4	21.8	20.1	21.8	20.1	21.7	2.2	690.4
77°	20.7	19.2	20.5	18.8	20.5	18.7	20.4	2.1	692.5
78°	18.8	17.9	18.9	17.5	18.8	17.4	19.0	2.0	694.4
79°	16.7	16.4	17.2	16.1	16.9	16.0	17.4	1.8	696.2
80°	14.7	14.9	15.4	14.5	15.2	14.7	15.7	1.6	697.8
81°	13.5	13.4	13.8	13.1	13.7	13.1	13.9	1.5	699.3
82°	12.3	11.8	12.3	11.8	12.4	11.7	12.2	1.3	700.6
83°	11.3	10.5	10.9	10.4	11.1	10.4	10.6	1.2	701.8
84°	10.0	9.2	9.5	9.1	9.7	9.1	9.3	1.0	702.8
85°	8.7	7.8	8.3	7.7	8.3	7.7	8.0	0.9	703.7
86°	7.4	6.2	6.9	6.3	7.0	6.2	6.6	0.7	704.4
87°	6.2	4.8	5.5	4.8	5.5	4.7	5.3	0.6	705.0
88°	4.2	3.4	4.0	3.5	4.0	3.5	3.9	0.4	705.4
89°	2.6	2.5	2.6	2.7	2.5	2.7	2.5	0.3	705.7

Lichttechnischer Prüfbefund

Familie Round 21 S	Bestell-Nr.: 51MR34ND0321B EAN: 4058352829790	LP-Nummer 59654_29
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	705.7
91°	9.7	8.6	9.0	8.2	8.4	8.0	8.2	0.9	706.6
92°	11.4	10.0	10.8	9.6	10.3	9.2	10.0	1.1	707.7
93°	12.4	11.5	11.9	11.1	11.5	11.0	11.2	1.3	709.0
94°	13.6	12.8	12.8	12.5	12.8	12.3	12.4	1.4	710.3
95°	14.4	13.7	14.1	13.3	13.9	13.4	13.5	1.5	711.8
96°	15.6	15.1	15.2	14.4	15.2	14.6	14.3	1.6	713.5
97°	16.5	16.1	16.2	15.7	16.1	15.7	15.2	1.7	715.2
98°	17.1	16.8	16.8	16.6	17.0	16.6	16.1	1.8	717.0
99°	18.1	17.8	17.9	17.6	17.7	17.3	17.2	1.9	718.9
100°	18.6	18.7	18.5	18.2	18.5	18.3	18.1	2.0	720.9
101°	19.5	19.2	19.5	19.1	19.2	19.3	19.1	2.1	723.0
102°	20.2	20.0	20.1	19.6	20.1	20.1	19.6	2.1	725.1
103°	20.9	20.8	20.8	20.4	20.9	20.8	20.5	2.2	727.4
104°	21.5	21.5	21.7	21.3	21.6	21.6	20.9	2.3	729.6
105°	22.4	22.3	22.3	22.1	22.4	22.2	21.8	2.4	732.0
106°	23.1	22.7	23.0	23.0	23.1	22.9	22.5	2.4	734.4
107°	23.8	23.6	23.8	23.7	23.9	23.8	23.4	2.5	736.9
108°	24.8	24.5	24.7	24.6	24.7	24.8	24.0	2.6	739.5
109°	25.8	25.4	25.4	25.3	25.8	25.6	24.8	2.6	742.1
110°	26.9	26.4	26.4	26.2	26.6	26.7	26.1	2.7	744.8
111°	27.9	27.2	27.6	27.1	27.6	27.6	26.8	2.8	747.6
112°	29.1	28.5	28.5	28.0	28.4	28.5	27.8	2.9	750.5
113°	30.1	29.5	29.5	28.9	29.4	29.3	28.8	3.0	753.5
114°	31.3	30.4	30.4	29.9	30.5	30.4	29.8	3.0	756.5
115°	32.2	31.4	31.5	31.2	31.6	31.4	30.8	3.1	759.6
116°	33.2	32.2	32.5	32.2	32.7	32.6	31.8	3.2	762.8
117°	34.1	33.3	33.6	33.4	33.7	33.6	33.2	3.3	766.1
118°	35.6	34.5	34.9	34.4	34.9	34.8	34.3	3.4	769.5
119°	36.7	35.6	36.1	35.8	36.2	35.8	35.4	3.4	772.9
120°	37.8	36.8	37.1	36.8	37.1	37.1	36.7	3.5	776.5
121°	39.1	38.0	38.4	38.2	38.4	38.2	38.0	3.6	780.0
122°	40.4	39.2	39.7	39.3	39.8	39.3	39.1	3.7	783.7
123°	41.7	40.6	41.0	40.6	41.0	40.4	40.3	3.7	787.5
124°	43.0	41.9	42.2	41.8	42.6	41.8	42.2	3.8	791.3
125°	44.2	43.2	43.5	43.2	44.1	43.2	43.1	3.9	795.2
126°	46.0	44.6	44.9	44.6	45.6	44.4	44.5	4.0	799.2
127°	47.3	45.9	46.3	45.9	47.1	45.9	46.0	4.1	803.2
128°	47.9	47.5	47.5	47.6	48.8	47.4	47.7	4.1	807.4
129°	48.8	49.0	49.0	48.9	50.2	48.9	49.2	4.2	811.6
130°	50.0	50.4	50.2	50.7	51.6	50.4	50.7	4.3	815.8
131°	51.7	52.2	51.6	52.1	52.9	52.1	52.0	4.3	820.1
132°	53.2	53.8	53.2	53.9	54.2	53.7	53.6	4.4	824.5
133°	54.7	55.5	55.1	55.7	55.7	55.4	55.1	4.4	828.9
134°	56.4	57.2	56.6	57.2	57.3	57.0	56.7	4.5	833.4

Lichttechnischer Prüfbefund

Familie Round 21 S	Bestell-Nr.: 51MR34ND0321B EAN: 4058352829790	LP-Nummer 59654_29
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke sīteco

C- Ebenen	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
135°	58.1	59.0	58.1	59.0	58.8	58.8	58.9	4.6	838.0
136°	60.0	60.6	59.8	60.8	60.2	60.5	60.5	4.6	842.6
137°	61.7	62.4	61.5	62.5	61.7	62.2	62.0	4.6	847.2
138°	63.9	64.1	63.4	64.4	63.3	64.1	63.7	4.7	851.9
139°	65.6	66.0	65.1	66.2	65.2	65.9	65.6	4.7	856.6
140°	67.4	67.8	66.9	68.2	67.2	67.8	67.5	4.8	861.4
141°	69.0	69.7	68.8	69.8	69.0	69.8	69.4	4.8	866.2
142°	70.9	71.8	70.6	71.9	70.7	71.7	71.4	4.8	871.0
143°	72.5	73.6	72.5	74.0	72.7	73.7	72.9	4.8	875.8
144°	74.4	75.7	74.5	76.0	74.5	75.8	74.8	4.8	880.7
145°	76.2	77.6	76.3	78.2	76.8	78.0	76.8	4.9	885.5
146°	78.3	79.7	78.5	80.1	78.9	80.2	78.8	4.9	890.4
147°	80.4	82.0	80.5	82.5	81.1	82.5	80.9	4.9	895.3
148°	82.7	84.2	82.8	84.8	83.6	84.8	83.3	4.9	900.2
149°	85.1	86.7	85.2	87.2	85.7	87.3	85.6	4.9	905.0
150°	87.5	89.2	87.7	89.8	88.1	89.7	88.1	4.9	909.9
151°	89.8	91.9	90.6	92.6	91.1	92.5	91.0	4.9	914.8
152°	92.6	94.4	93.3	95.4	93.9	95.3	93.8	4.9	919.6
153°	95.5	97.4	96.2	98.4	96.9	98.1	96.9	4.8	924.4
154°	98.6	100.4	99.2	101.1	99.6	101.0	99.6	4.8	929.3
155°	101.9	103.2	102.4	104.0	102.8	103.6	102.1	4.8	934.0
156°	105.4	105.7	105.2	106.2	105.4	106.3	105.0	4.7	938.7
157°	108.2	108.5	107.6	108.7	108.1	108.7	108.1	4.6	943.4
158°	110.5	110.6	110.1	111.0	110.3	110.6	110.5	4.5	947.9
159°	112.4	112.7	112.1	112.7	112.1	112.4	112.4	4.4	952.3
160°	114.2	114.4	113.8	114.0	113.9	113.9	114.1	4.3	956.6
161°	115.6	116.0	115.6	115.8	115.3	115.4	115.3	4.1	960.7
162°	116.8	117.3	116.7	117.1	116.4	116.6	116.5	4.0	964.7
163°	117.9	118.3	118.0	117.8	117.7	117.6	117.2	3.8	968.5
164°	119.0	119.2	118.9	119.0	118.6	118.4	118.0	3.6	972.1
165°	119.9	120.2	120.0	120.0	119.3	119.5	119.0	3.4	975.5
166°	120.9	121.1	120.7	120.8	120.3	120.2	119.8	3.2	978.7
167°	121.6	121.7	121.5	121.4	121.2	120.8	120.4	3.0	981.7
168°	122.4	122.3	122.1	122.1	121.7	121.4	121.0	2.8	984.4
169°	122.9	123.0	122.6	122.6	122.3	122.0	121.7	2.6	987.0
170°	123.4	123.3	122.9	123.1	122.8	122.4	122.1	2.3	989.3
171°	123.9	123.7	123.4	123.5	123.2	122.8	122.5	2.1	991.5
172°	124.1	124.1	123.5	123.9	123.4	123.1	123.1	1.9	993.3
173°	124.2	124.2	123.8	123.9	123.7	123.1	123.3	1.7	995.0
174°	124.4	124.2	123.9	124.3	124.0	123.3	123.8	1.4	996.4
175°	124.3	124.3	124.2	124.2	124.2	123.4	124.0	1.2	997.6
176°	124.2	124.3	124.1	124.1	124.2	123.4	124.0	0.9	998.5
177°	124.2	124.1	124.1	123.8	124.2	123.3	124.1	0.7	999.3
178°	123.9	123.9	124.2	123.9	124.0	123.4	124.1	0.5	999.7
179°	123.9	123.9	124.0	124.1	124.0	123.3	124.0	0.2	1000.0
180°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	0.0	1000.0

Lichttechnischer Prüfbefund

Familie Round 21 S		Bestell-Nr.: 51MR34ND0321B EAN: 4058352829790							LP-Nummer 59654_29	
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	14,8	15,9	15,5	16,6	17,5	14,8	15,9	15,6	16,6
	3H	15,3	16,2	16,0	17,0	17,9	15,3	16,3	16,1	17,0
	4H	15,7	16,6	16,4	17,3	18,3	15,7	16,6	16,5	17,4
	6H	16,1	16,9	16,9	17,7	18,6	16,2	17,0	16,9	17,7
	8H	16,2	16,9	17,0	17,7	18,7	16,2	16,9	17,0	17,7
	12H	16,3	17,0	17,1	17,8	18,8	16,4	17,1	17,2	17,9
4H	2H	15,0	15,8	15,7	16,6	17,5	15,0	15,9	15,7	16,6
	3H	15,7	16,5	16,5	17,3	18,2	15,7	16,5	16,5	17,3
	4H	16,2	16,9	17,0	17,7	18,7	16,2	16,9	17,0	17,7
	6H	16,8	17,4	17,6	18,2	19,2	16,8	17,3	17,6	18,2
	8H	16,9	17,4	17,7	18,2	19,2	16,8	17,3	17,7	18,2
	12H	17,1	17,6	18,0	18,4	19,5	17,1	17,6	18,0	18,4
8H	4H	16,3	16,8	17,2	17,7	18,7	16,3	16,8	17,2	17,7
	6H	16,9	17,3	17,8	18,2	19,3	16,9	17,3	17,8	18,2
	8H	17,2	17,6	18,1	18,5	19,6	17,2	17,6	18,1	18,5
	12H	17,6	17,9	18,5	18,8	19,9	17,6	17,9	18,5	18,8
12H	4H	16,4	16,9	17,3	17,7	18,8	16,4	16,9	17,3	17,7
	6H	17,1	17,5	18,0	18,3	19,4	17,1	17,5	18,0	18,3
	8H	17,4	17,8	18,3	18,6	19,7	17,4	17,7	18,3	18,6

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$		Lichttechnische Abmessungen in mm: D = 390			
C- Ebenen	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Leuchtdichte in cd/m²						
45°	6904.1	6888.9	6779.2	6947.0	7178.9	6832.6	6644.4
50°	5251.4	5405.4	5302.4	5289.6	5599.5	5391.1	5309.1
55°	3687.8	4129.9	4497.6	4017.1	3790.4	4124.5	4553.7
60°	3142.9	3152.0	3290.6	3206.6	3046.0	3200.5	3183.3
65°	2801.5	2744.1	2839.2	2779.6	2838.4	2724.5	2803.6
70°	2320.6	2542.0	2788.4	2476.5	2405.8	2452.3	2854.8
75°	2702.9	2569.1	2719.5	2549.0	2655.5	2550.2	2684.0
80°	2597.0	2628.7	2722.3	2565.2	2690.5	2588.2	2766.4
85°	3067.1	2726.1	2901.9	2719.1	2919.5	2691.0	2803.5

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°		Seriendokumentation 00 01 0000

