

Lichttechnischer Prüfbefund

Familie
DL® 50 midi LED

Bestell-Nr.: 5XA2492E1B08A5
EAN: 4058352061558

LP-Nummer
57260_13



Ausführung	Mastansatz- / Mastaufsatzmontage
Optik	asymmetrisch strahlend ST1.2a
Abdeckung	Abdeckung klar (ESG), teilweise bedruckt
Bestückung	LED 3000 K CRI ≥ 80
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 7340 lm Systemleistung = 63.2 W Lichtausbeute = 116.2 lm/W

Seriendokumentation
26.11.2020

siteco

Lichtstärke in cd/klm

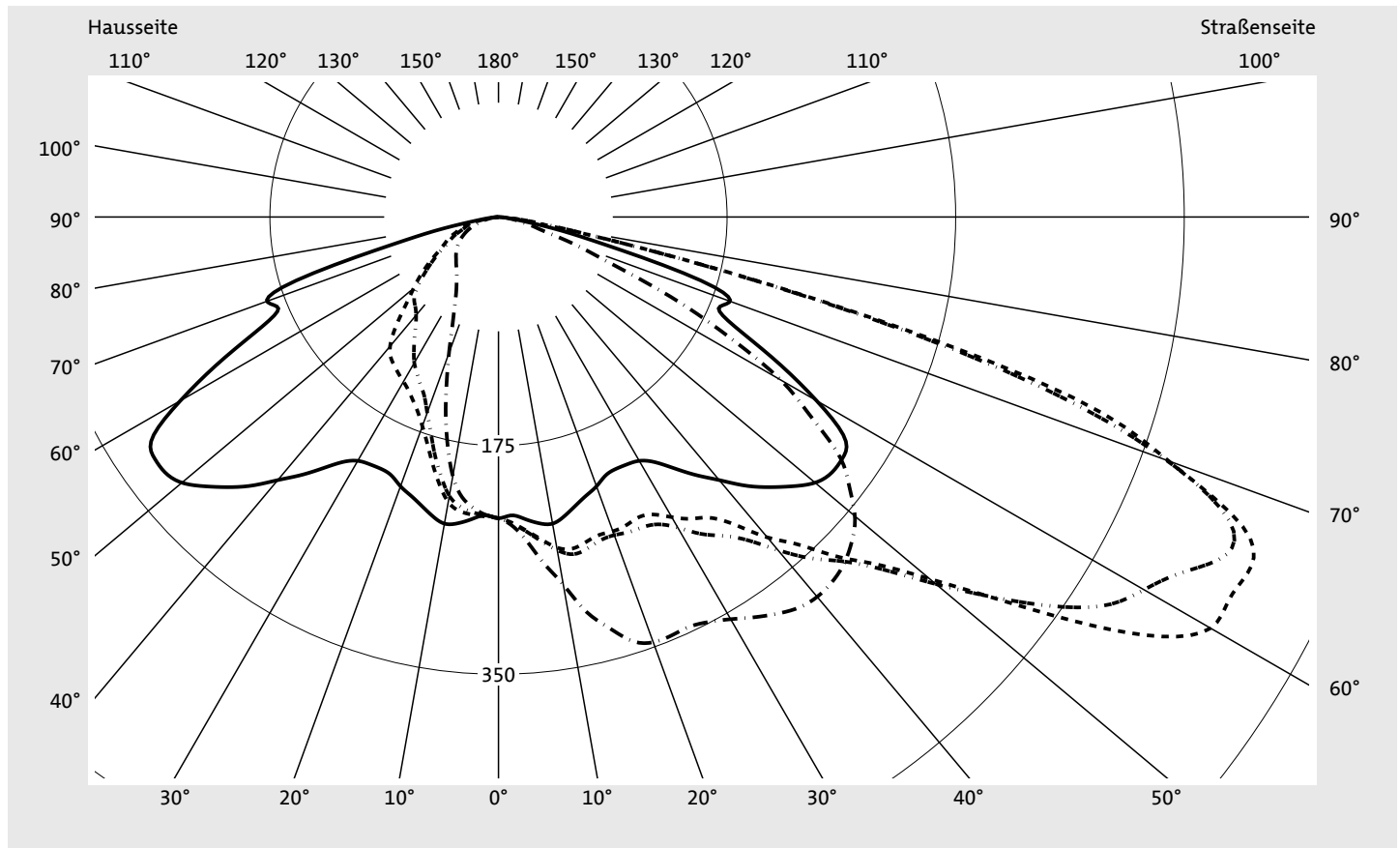
C180-0

C205-25

C210-30

C270-90

Imax: 635 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	545.8
Imax 80°	49.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

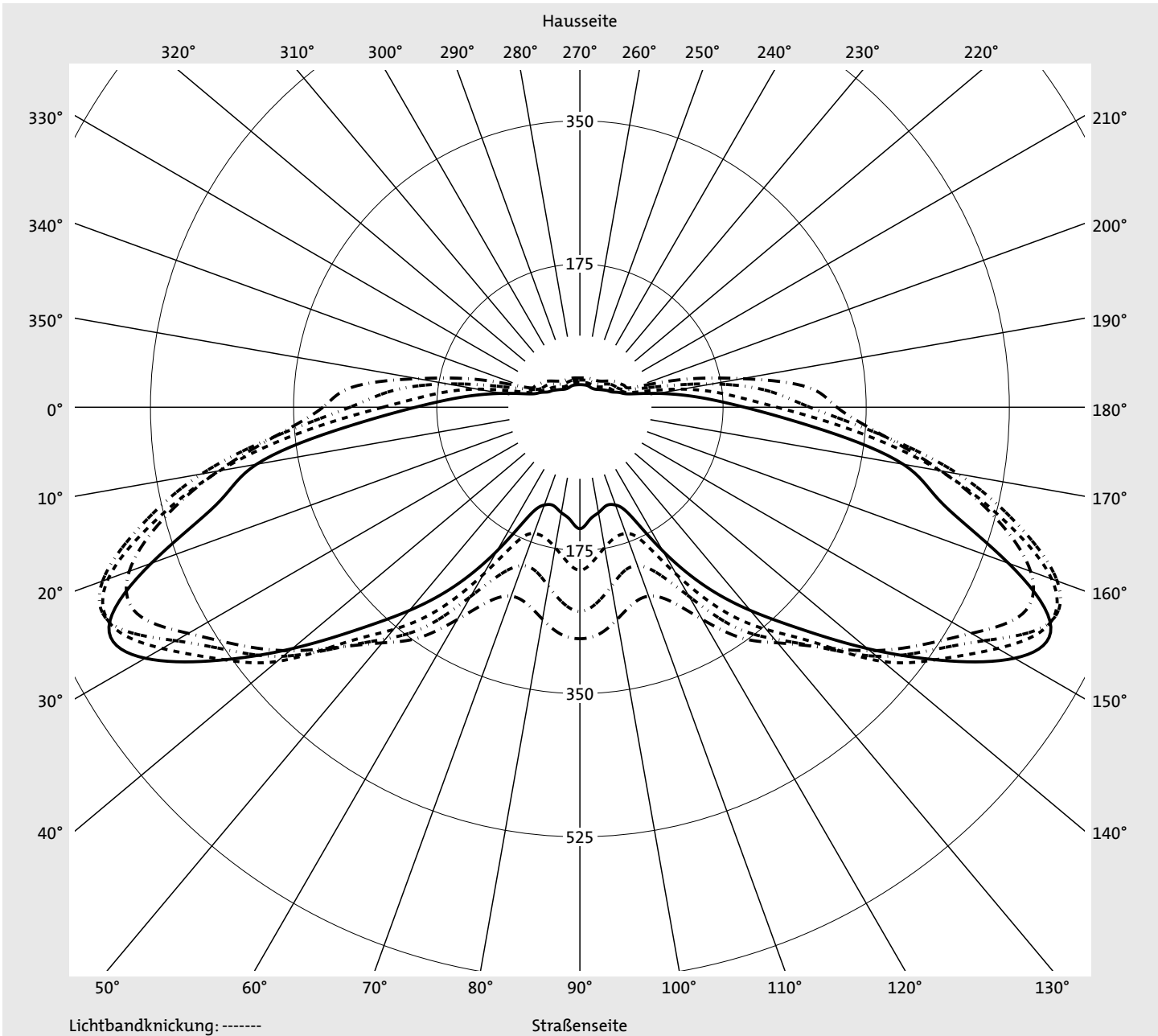
Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie DL® 50 midi LED	Bestell-Nr.: 5XA2492E1B08A5 EAN: 4058352061558	LP-Nummer 57260_13
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Kegelmantelkurven in cd/klm **KMK 65°** **KMK 62,5°** **KMK 60°** **KMK 57,5°** **siteco**



Lichttechnischer Prüfbefund

Familie DL® 50 midi LED	Bestell-Nr.: 5XA2492E1B08A5 EAN: 4058352061558	LP-Nummer 57260_13
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Lichtstärke in cd/klm												
0,0°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6
2,5°	228.6	229.9	231.4	232.3	233.1	234.2	234.8	235.0	235.1	235.0	236.7	237.4	238.4
5,0°	232.1	234.3	236.4	237.7	239.1	240.8	241.5	242.4	243.0	243.9	246.4	247.8	249.9
7,5°	236.4	239.7	242.8	244.8	246.9	248.8	250.2	251.5	252.4	253.8	257.0	259.3	262.6
10,0°	238.3	243.1	247.6	250.9	254.1	256.9	259.0	261.1	262.9	265.4	269.2	272.2	276.5
12,5°	234.3	240.3	246.2	250.9	255.9	260.1	264.4	268.0	271.2	274.8	279.5	283.9	289.4
15,0°	228.6	234.9	241.4	246.9	252.5	257.8	262.7	267.1	272.0	277.2	283.2	289.1	296.3
17,5°	223.5	231.1	238.6	244.9	250.9	255.3	259.5	263.2	267.6	273.5	281.4	290.0	299.1
20,0°	219.4	228.9	238.2	245.3	251.3	256.0	259.2	262.0	264.4	269.4	278.0	289.1	301.3
22,5°	214.2	224.5	233.5	241.3	249.0	255.4	261.0	264.8	267.1	270.8	278.3	290.8	306.0
25,0°	212.7	221.4	229.1	237.8	246.2	253.7	261.9	269.5	274.6	279.5	286.5	297.8	313.7
27,5°	213.4	223.0	231.2	240.5	249.5	256.7	265.2	275.1	285.4	294.5	302.7	311.8	325.3
30,0°	215.5	225.7	233.5	244.3	255.4	265.3	274.5	285.1	296.8	310.1	322.5	331.6	341.5
32,5°	222.4	229.7	236.2	247.8	260.2	273.9	287.5	299.2	311.5	325.4	341.4	353.5	360.0
35,0°	234.9	240.9	248.7	258.9	269.3	281.0	297.8	314.9	328.5	342.5	357.2	373.6	378.9
37,5°	249.2	257.5	264.8	274.8	286.0	296.7	311.4	328.3	345.0	360.2	372.0	388.0	395.8
40,0°	262.9	270.5	278.6	289.7	304.2	320.1	332.7	344.4	357.9	376.6	387.6	396.3	405.8
42,5°	278.8	287.0	299.5	313.4	325.9	340.2	354.4	366.9	371.5	383.6	400.1	402.3	408.1
45,0°	292.4	303.8	324.4	345.2	359.1	367.9	372.8	382.4	391.9	390.1	399.8	402.9	402.6
47,5°	305.1	323.1	356.2	385.2	397.2	393.9	399.4	405.6	402.4	400.0	397.7	398.5	392.5
50,0°	316.4	343.5	389.6	415.0	427.7	431.0	437.2	437.3	415.4	399.3	394.3	385.7	373.4
52,5°	321.5	355.9	409.3	436.4	466.6	479.7	478.2	472.9	433.1	403.2	388.4	376.2	353.3
55,0°	321.7	358.0	422.0	473.9	528.4	540.0	519.5	493.5	452.9	408.2	382.8	358.8	326.3
57,5°	314.1	367.7	448.8	527.2	586.3	597.2	552.7	507.2	462.9	414.4	375.9	344.2	299.5
60,0°	281.2	364.9	469.7	554.2	621.0	629.5	570.7	519.1	473.5	415.0	369.6	326.8	267.0
62,5°	240.9	338.7	447.1	538.0	613.8	631.4	589.6	536.7	483.4	407.1	354.6	302.4	235.9
65,0°	201.2	290.5	401.4	460.3	557.7	635.3	613.5	539.2	458.9	384.1	324.2	266.9	202.9
67,5°	182.5	268.3	366.0	393.1	505.7	615.5	605.0	503.3	442.8	350.6	282.9	231.0	171.9
70,0°	188.6	271.5	346.7	380.7	457.7	545.8	544.3	454.7	376.6	300.1	238.1	192.0	138.2
72,5°	164.0	252.5	301.0	343.5	417.9	463.7	440.7	358.1	276.2	222.8	182.6	151.7	107.2
75,0°	94.5	163.9	213.0	238.3	280.8	287.2	279.3	208.5	157.5	137.7	131.2	113.5	76.2
77,5°	52.9	80.1	104.7	121.2	125.5	123.7	122.0	99.8	81.8	73.1	65.2	64.0	51.7
80,0°	23.2	26.5	32.1	42.4	41.9	42.4	49.1	49.9	42.2	34.6	28.2	25.4	22.5
82,5°	11.2	12.9	14.3	16.8	18.1	18.7	23.4	25.8	21.5	18.1	15.4	13.8	12.3
85,0°	5.2	5.5	5.8	6.1	6.4	7.0	7.6	8.2	7.8	7.3	6.7	6.3	5.9
87,5°	2.2	2.1	2.0	2.0	1.9	1.9	1.8	1.9	2.0	2.1	2.0	1.8	1.7
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
γ	Lichtstärke in cd/klm												
0,0°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6
2,5°	239.1	239.2	240.2	239.1	237.2	236.4	229.5	229.4	229.4	229.2	229.5	228.4	227.6
5,0°	251.3	252.1	253.5	252.9	251.3	249.0	232.3	231.2	230.5	229.6	228.7	227.0	225.2
7,5°	265.3	266.9	269.2	269.3	268.1	267.6	235.7	233.3	231.2	229.0	227.1	223.7	220.6
10,0°	280.5	283.8	287.0	288.3	287.9	285.8	235.9	232.0	228.5	225.2	221.6	216.8	211.6
12,5°	294.8	299.9	305.3	308.6	309.3	309.2	230.2	224.5	219.3	214.4	209.4	203.2	196.6
15,0°	303.7	311.0	318.8	324.4	326.7	325.3	222.6	215.7	208.5	202.0	195.3	188.3	180.4
17,5°	308.5	317.9	328.1	336.2	340.1	340.3	216.1	207.8	198.7	190.1	181.5	172.5	163.7
20,0°	312.3	322.6	332.2	341.4	346.0	346.4	209.0	199.8	190.1	180.7	170.4	159.5	149.3
22,5°	318.3	327.6	335.2	342.3	346.1	346.6	202.0	190.2	180.8	172.0	161.5	148.4	136.8
25,0°	326.6	334.1	339.0	343.3	345.5	346.0	199.9	184.9	174.2	165.7	154.9	141.5	127.9
27,5°	337.6	343.9	345.6	346.8	348.6	349.4	201.1	184.7	170.9	160.8	149.4	135.0	119.0
30,0°	350.9	355.7	354.1	353.2	355.2	355.5	203.3	186.6	170.9	158.6	145.5	128.9	110.1
32,5°	365.2	367.8	362.6	360.0	362.5	363.3	209.9	191.3	173.0	158.4	142.3	120.5	101.4
35,0°	379.1	379.1	371.8	367.7	370.3	370.9	222.4	200.2	178.0	161.0	139.0	112.0	94.6
37,5°	391.3	387.5	377.4	373.4	375.8	377.1	235.6	210.5	184.0	164.5	135.5	104.0	90.8
40,0°	399.6	390.4	379.1	376.2	378.5	379.5	249.0	218.9	189.5	166.0	129.1	98.2	88.5
42,5°	402.6	389.2	377.1	375.8	377.6	378.5	265.3	226.4	192.8	164.3	118.2	94.1	86.8
45,0°	396.7	381.7	372.0	371.9	373.6	374.5	280.0	232.8	192.6	158.0	105.3	91.2	84.4
47,5°	381.9	365.9	361.0	362.0	365.3	367.1	289.2	236.5	192.9	142.5	93.7	86.7	80.3
50,0°	356.8	341.9	341.5	346.6	353.0	356.2	297.3	238.1	191.7	122.1	84.8	79.5	74.1
52,5°	326.6	311.7	315.2	324.6	334.8	338.4	299.2	234.3	184.4	101.0	76.7	71.7	67.4
55,0°	294.6	279.2	283.9	296.2	309.9	318.4	298.9	228.1	166.5	83.9	68.6	64.2	60.4
57,5°	261.4	245.7	249.0	263.1	277.9	282.9	279.8	201.3	131.9	72.2	60.9	57.2	54.0
60,0°	223.5	206.1	207.7	222.0	239.8	249.5	230.6	164.2	96.3	63.8	53.4	50.3	47.9
62,5°	180.7	164.2	165.1	174.1	188.6	199.2	180.1	127.3	71.5	55.9	47.9	44.1	41.7
65,0°	145.8	127.2	124.5	130.8	137.9	148.5	143.8	97.3	63.0	52.2	44.0	40.1	36.6
67,5°	118.2	93.5	88.5	91.1	93.9	93.9	126.0	81.5	62.2	49.7	40.3	36.0	32.0
70,0°	95.2	68.7	60.0	58.4	60.1	64.7	126.1	78.2	60.8	43.8	34.8	30.6	27.3
72,5°	72.1	52.9	41.6	38.7	37.9	38.2	94.1	62.2	52.0	37.0	32.1	26.9	23.6
75,0°	52.6	34.8	30.0	27.6	26.5	27.7	54.1	43.6	38.1	30.8	28.2	23.9	20.6
77,5°	34.5	24.1	21.0	19.7	19.1	18.9	33.5	27.5	26.0	23.5	20.4	18.3	16.3
80,0°	18.4	15.7	14.1	13.3	12.9	13.3	18.9	16.7	15.5	14.1	13.0	12.3	11.4
82,5°	10.9	9.6	8.7	8.2	8.0	7.9	10.0	9.3	8.7	8.1	7.8	7.6	7.1
85,0°	5.3	4.8	4.4	4.1	4.0	4.5	4.9	4.7	4.6	4.5	4.3	4.2	4.0
87,5°	1.6	1.4	1.4	1.4	1.3	1.3	2.2	2.2	2.2	2.2	2.1	2.0	1.9
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	0.3	0.3
2,5°	226.7	227.5	227.9	228.3	228.1	227.7	227.1	225.7	225.8	226.5	228.1	2.8	3.1
5,0°	223.4	223.6	223.5	223.6	223.5	223.1	222.6	221.2	221.3	222.1	223.4	5.6	8.7
7,5°	217.8	216.9	216.1	215.9	215.4	215.0	214.8	213.8	214.1	214.8	215.9	8.5	17.3
10,0°	207.2	205.0	203.2	202.4	201.4	200.8	200.8	199.9	200.2	200.8	201.4	11.4	28.7
12,5°	190.7	186.9	184.0	182.6	181.0	180.0	179.9	178.9	178.9	179.4	179.6	14.0	42.7
15,0°	173.5	168.3	164.2	161.8	159.6	158.1	157.4	156.2	156.1	156.2	156.1	16.3	59.0
17,5°	155.6	148.9	143.8	140.7	137.7	135.5	134.3	132.8	132.1	132.0	131.8	18.2	77.2
20,0°	139.9	132.0	126.3	122.8	119.3	116.6	114.6	112.5	111.5	110.9	110.8	20.1	97.3
22,5°	125.9	117.1	111.4	107.5	103.7	100.6	98.1	95.7	94.1	93.4	93.2	21.8	119.1
25,0°	114.7	105.2	100.1	96.0	92.1	88.9	86.0	83.5	81.8	80.9	80.8	23.7	142.8
27,5°	104.9	96.1	91.1	86.8	82.9	79.5	76.6	74.1	72.4	71.6	71.3	25.9	168.7
30,0°	96.3	89.5	84.5	80.1	76.0	72.4	69.4	67.1	65.5	64.7	64.6	28.4	197.1
32,5°	90.6	84.5	79.5	74.9	70.7	67.1	64.1	62.0	60.6	59.9	59.7	31.0	228.1
35,0°	86.6	80.6	75.3	70.4	66.2	62.6	59.7	57.8	56.5	55.8	55.6	34.0	262.1
37,5°	84.0	77.7	72.0	66.9	62.5	59.1	56.5	54.7	53.5	52.8	52.6	37.2	299.3
40,0°	82.0	75.4	69.3	64.0	59.5	56.3	53.8	52.2	51.0	50.3	50.1	40.2	339.5
42,5°	80.1	72.9	66.6	61.2	56.8	53.8	51.5	50.0	48.9	48.3	48.0	43.2	382.7
45,0°	77.4	69.7	63.1	58.0	54.1	51.4	49.4	47.9	46.9	46.3	45.9	46.0	428.8
47,5°	73.4	65.9	59.4	54.9	51.6	49.2	47.4	46.1	45.1	44.4	44.1	48.6	477.4
50,0°	67.9	61.1	55.4	51.5	48.6	46.6	45.2	44.1	43.1	42.5	42.3	50.7	528.1
52,5°	62.0	55.9	50.9	47.6	45.2	43.8	42.7	41.9	41.1	40.6	40.3	52.5	580.6
55,0°	55.7	50.5	46.3	43.3	41.6	40.6	40.0	39.4	38.8	38.4	38.1	53.9	634.4
57,5°	49.8	45.2	41.6	39.2	38.0	37.4	37.2	36.8	36.4	36.0	35.9	54.7	689.1
60,0°	44.1	39.8	36.8	35.1	34.4	34.1	34.2	34.1	33.7	33.4	33.3	53.9	743.0
62,5°	38.6	35.1	32.5	31.2	30.8	30.9	31.1	31.1	30.8	30.6	30.5	51.3	794.3
65,0°	33.4	30.8	28.8	27.8	27.5	27.7	28.0	28.0	27.8	27.6	27.6	47.3	841.6
67,5°	29.2	27.0	25.5	24.7	24.5	24.6	24.9	24.8	24.7	24.5	24.5	43.2	884.8
70,0°	25.4	23.7	22.3	21.6	21.5	21.6	21.7	21.5	21.3	21.1	21.1	39.0	923.8
72,5°	21.6	20.0	18.9	18.3	18.1	18.2	18.2	18.0	17.7	17.6	17.7	32.4	956.2
75,0°	18.4	16.8	15.5	15.0	14.8	14.7	14.7	14.5	14.3	14.2	14.2	21.8	978.0
77,5°	14.6	13.3	12.1	11.6	11.4	11.3	11.3	11.1	10.9	10.9	10.8	11.8	989.8
80,0°	10.4	9.4	8.7	8.2	8.0	7.9	7.9	7.8	7.6	7.5	7.5	5.5	995.3
82,5°	6.7	6.2	5.7	5.4	5.2	5.1	5.1	5.0	4.9	4.8	4.7	2.9	998.2
85,0°	3.8	3.5	3.3	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.6	1.3	999.5
87,5°	1.9	1.8	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.2	0.5	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	1000.0

Lichttechnischer Prüfbefund

Familie DL® 50 midi LED	Bestell-Nr.: 5XA2492E1B08A5 EAN: 4058352061558	LP-Nummer 57260_13
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	7340	63.2	64.9	64.1
95	241	6964	59.5	61.2	60.4
90	229	6618	56.3	57.7	57.0
85	216	6242	52.7	54.2	53.4
80	203	5866	49.3	50.7	50.0
75	190	5491	45.9	47.2	46.6
70	178	5144	42.9	44.1	43.5
65	165	4768	39.6	40.6	40.1
60	152	4392	36.3	37.3	36.8
55	140	4046	33.4	34.3	33.8
50	127	3670	30.4	31.1	30.8
45	114	3294	27.2	27.9	27.5
40	102	2948	24.5	25.1	24.8
35	89	2572	21.4	21.9	21.7
30	76	2196	18.4	18.9	18.6
25	63	1821	15.2	15.6	15.4
20	51	1474	12.0	12.3	12.2