

Lichttechnischer Prüfbefund

Familie
DL® 30 LED

Bestell-Nr.: 5XA5132R1B08A5
EAN: 4058352059371

LP-Nummer
57205_8



Ausführung	Mastaufsatz-Montage
Optik	direkt, symmetrisch breit strahlend C120002
Abdeckung	Abdeckung PMMA, schlagfest, IK08
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 6990 lm Systemleistung = 52.0 W Lichtausbeute = 134.4 lm/W

Seriendokumentation
18.11.2020

siteco

Lichtstärke in cd/klm

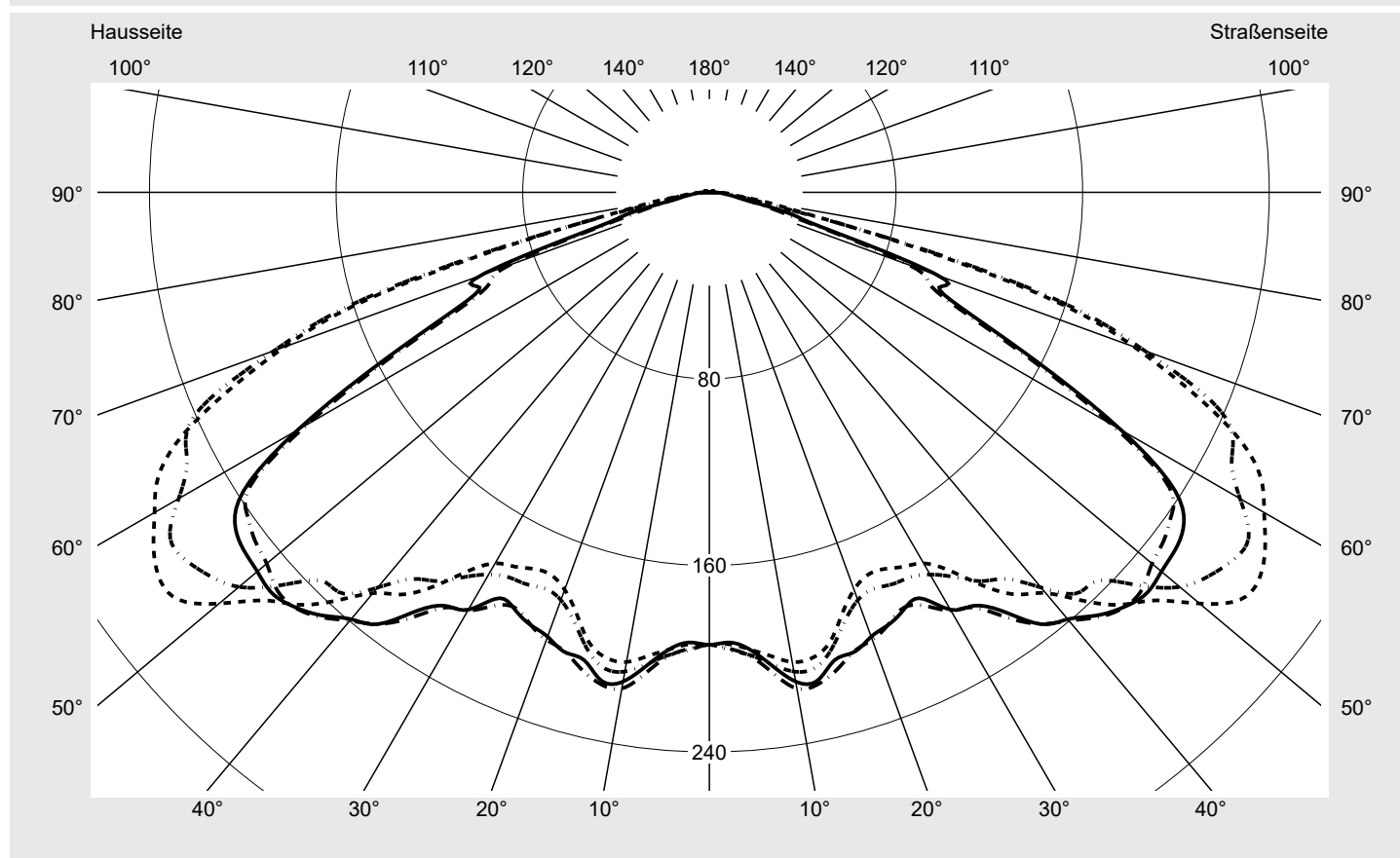
C180-0

C235-55

C240-60

C270-90

Imax: 288 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	198.5
Imax 80°	25.7
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm

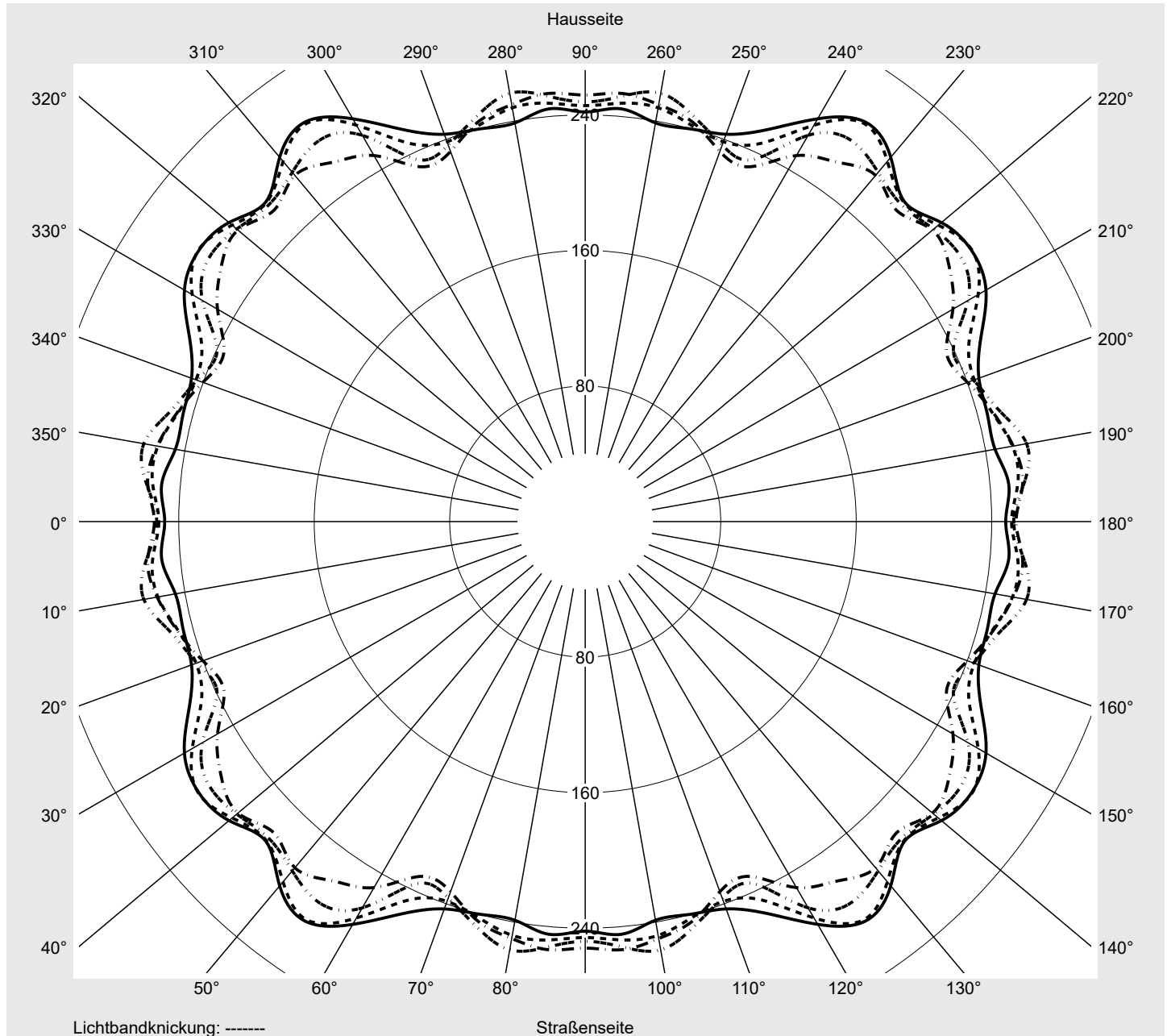
KMK 55°

KMK 52,5°

KMK 50°

KMK 47,5°

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
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C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
		Lichtstärke in cd/mk								
γ										
0,0°	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0
2,5°	193.2	194.0	195.2	195.5	194.4	194.4	194.5	195.8	195.8	194.7
5,0°	196.7	197.4	198.7	198.8	197.6	197.0	197.1	198.3	198.3	197.2
7,5°	204.6	205.0	206.1	205.8	203.9	202.6	201.6	202.1	201.8	200.3
10,0°	213.0	213.7	214.7	213.9	211.2	208.7	206.2	205.7	204.9	203.1
12,5°	214.4	214.8	215.5	214.8	211.7	209.4	206.5	205.9	205.2	203.1
15,0°	207.6	208.0	208.5	207.0	204.1	201.9	199.4	199.7	199.6	198.3
17,5°	206.7	206.4	205.7	202.9	197.3	193.4	190.4	190.5	189.9	187.4
20,0°	202.8	203.1	202.6	200.2	194.5	189.2	184.1	181.3	177.6	174.4
22,5°	200.7	199.8	198.8	197.0	192.9	189.5	184.0	177.0	169.8	165.3
25,0°	197.4	195.6	193.2	193.0	191.2	189.4	184.6	177.9	170.9	166.0
27,5°	196.3	195.5	192.9	191.7	191.7	192.5	186.1	179.5	178.0	175.6
30,0°	206.7	205.5	203.1	199.7	197.6	196.8	191.4	185.6	184.4	187.3
32,5°	210.3	207.5	204.9	206.2	207.6	204.5	198.5	195.4	194.2	194.7
35,0°	219.3	218.0	211.7	209.6	212.6	211.8	210.0	206.7	206.5	203.1
37,5°	233.4	231.9	224.9	220.5	221.4	216.0	217.1	220.5	215.8	218.9
40,0°	239.0	235.6	227.7	224.7	230.4	227.9	225.0	228.3	229.8	232.9
42,5°	246.0	243.2	233.1	228.2	231.6	230.9	238.3	238.4	241.6	245.4
45,0°	251.5	253.0	244.9	236.5	234.7	231.6	239.9	254.4	255.4	254.2
47,5°	254.4	259.3	256.7	249.2	240.2	235.4	250.7	262.3	267.6	259.8
50,0°	253.0	260.1	264.6	253.1	244.0	239.8	261.0	271.2	268.6	264.3
52,5°	251.7	256.4	256.2	248.8	244.5	250.0	267.9	279.0	272.1	266.2
55,0°	248.3	251.0	245.7	245.8	247.4	257.8	273.2	278.6	274.5	266.7
57,5°	235.8	239.9	235.0	235.0	250.3	266.2	272.4	276.2	271.3	263.0
60,0°	203.7	207.7	213.2	218.9	241.5	258.6	261.4	271.1	268.4	257.5
62,5°	160.7	168.0	181.1	192.6	219.8	246.0	254.2	264.2	261.2	252.2
65,0°	123.0	132.0	150.1	155.1	187.9	237.8	246.8	246.7	245.6	240.6
67,5°	106.7	116.0	130.7	135.4	162.8	215.4	226.6	221.9	221.5	214.6
70,0°	104.7	109.4	119.7	127.2	146.9	182.2	196.9	192.8	179.2	177.4
72,5°	54.5	74.3	94.6	104.6	123.1	146.1	166.9	148.0	126.5	123.4
75,0°	36.9	41.4	52.0	62.3	74.0	82.9	103.7	95.0	89.7	83.0
77,5°	18.6	20.4	22.0	25.2	26.0	29.1	43.9	56.1	50.1	47.8
80,0°	11.8	11.6	12.0	12.5	13.2	14.1	17.8	24.6	23.4	22.7
82,5°	8.4	8.5	8.9	9.5	9.9	10.6	11.1	12.4	12.7	12.8
85,0°	6.1	6.0	6.3	6.8	7.3	7.7	8.0	8.2	8.0	8.2
87,5°	4.1	4.2	4.5	4.9	5.4	5.9	6.2	6.3	6.2	6.3
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105,0°	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
135,0°	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
165,0°	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

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone
	130°	125°	120°	115°	110°	105°	100°	95°			
	230°	235°	240°	245°	250°	255°	260°	265°			
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	0.3	0.3
2,5°	193.3	194.0	196.5	196.4	194.7	195.5	196.6	196.4	195.8	2.3	2.6
5,0°	195.6	196.7	199.2	199.2	197.6	198.9	200.1	199.9	199.6	4.7	7.4
7,5°	198.8	200.5	204.0	204.9	204.3	206.4	208.2	208.3	207.8	7.3	14.7
10,0°	201.5	204.5	208.7	210.8	211.4	214.0	216.2	216.6	216.1	10.0	24.7
12,5°	201.3	204.4	208.9	211.0	212.0	214.3	216.4	216.5	216.0	12.5	37.1
15,0°	196.9	199.7	202.6	204.2	205.6	208.4	211.1	212.0	211.8	14.5	51.6
17,5°	186.2	189.4	192.9	195.4	198.3	202.3	205.8	206.9	206.4	16.2	67.9
20,0°	175.4	181.3	186.1	189.9	196.0	201.6	204.8	205.3	204.2	18.0	85.8
22,5°	169.1	177.5	184.0	190.2	196.7	200.5	201.7	201.5	200.6	19.8	105.6
25,0°	168.3	178.2	185.4	190.4	194.2	193.8	193.8	196.2	196.7	21.6	127.3
27,5°	175.9	180.9	186.1	191.3	194.1	192.9	195.2	198.9	199.9	23.9	151.1
30,0°	185.6	183.7	189.3	197.4	200.3	201.0	205.4	208.5	207.1	26.9	178.0
32,5°	194.8	192.6	195.6	205.3	207.1	204.7	205.5	210.2	211.1	29.8	207.8
35,0°	206.2	206.4	203.5	208.7	209.6	208.1	211.8	220.9	222.6	33.1	240.9
37,5°	217.0	217.4	209.0	212.3	218.2	219.3	225.7	235.0	233.3	36.8	277.7
40,0°	230.4	224.3	221.2	222.4	225.2	222.9	227.6	238.0	239.8	40.3	318.0
42,5°	239.8	237.7	233.2	224.8	224.3	226.5	230.9	244.6	247.0	43.6	361.6
45,0°	256.0	250.1	235.5	226.8	226.2	233.4	239.8	251.8	251.6	47.1	408.7
47,5°	266.7	259.0	249.4	231.1	232.5	244.2	249.9	253.6	251.7	50.8	459.5
50,0°	269.1	274.3	263.2	235.9	236.5	247.6	256.7	252.0	247.7	53.8	513.3
52,5°	277.5	286.9	270.1	246.4	238.6	242.2	248.0	247.9	245.5	56.1	569.5
55,0°	280.7	288.0	274.5	255.3	243.3	239.9	238.9	244.5	241.7	58.0	627.5
57,5°	276.7	282.5	274.2	266.4	250.7	228.2	227.9	236.2	232.9	58.9	686.4
60,0°	272.9	274.6	262.7	262.9	241.2	215.8	210.3	202.8	199.0	57.3	743.7
62,5°	268.9	266.7	252.4	248.9	220.9	193.1	178.0	162.6	155.9	53.9	797.6
65,0°	246.5	250.8	247.6	237.4	185.5	157.8	147.1	128.6	118.2	49.2	846.8
67,5°	223.9	224.1	232.2	216.1	161.4	136.6	127.2	108.5	101.9	44.7	891.5
70,0°	182.2	193.8	198.5	178.9	142.2	124.3	114.5	98.0	91.5	39.5	931.0
72,5°	135.6	156.0	162.2	139.2	112.5	94.1	76.8	59.6	50.1	30.4	961.5
75,0°	79.8	91.9	97.4	75.9	67.8	52.5	45.6	33.8	29.7	18.6	980.0
77,5°	40.8	43.4	39.2	29.8	26.7	25.1	21.3	19.1	18.1	8.7	988.7
80,0°	25.4	25.7	19.5	16.3	15.5	14.7	13.8	13.3	13.1	4.6	993.4
82,5°	12.3	13.1	12.4	12.1	11.8	11.2	10.4	9.9	9.8	3.0	996.4
85,0°	8.4	8.8	9.1	8.9	8.5	7.9	7.3	6.9	6.8	2.1	998.5
87,5°	6.5	6.7	6.7	6.5	6.0	5.5	5.0	4.7	4.5	1.6	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105,0°	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	1000.0
135,0°	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	1000.0
165,0°	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	1000.0

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Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
sITeco		

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	6990	52.0	54.0	53.0
95	241	6632	48.7	50.6	49.7
90	229	6302	45.8	47.6	46.7
85	216	5944	42.7	44.4	43.6
80	203	5586	39.8	41.3	40.6
75	190	5229	36.9	38.4	37.6
70	178	4899	34.4	35.7	35.0
65	165	4541	31.6	32.8	32.2
60	152	4183	29.0	30.1	29.6
55	140	3853	26.6	27.5	27.0
50	127	3495	24.1	24.9	24.5
45	114	3137	21.6	22.4	22.0
40	102	2807	19.4	20.1	19.8
35	89	2449	17.0	17.6	17.3
30	76	2091	14.6	15.1	14.8
25	63	1734	12.3	12.7	12.5
20	51	1404	10.2	10.6	10.4
15	38	1046	8.0	8.2	8.1