

Lichttechnischer Prüfbefund

Familie
Batten 41

Bestell-Nr.: 51LP327DM10AN
EAN: 4058352704967

LP-Nummer
59483_2

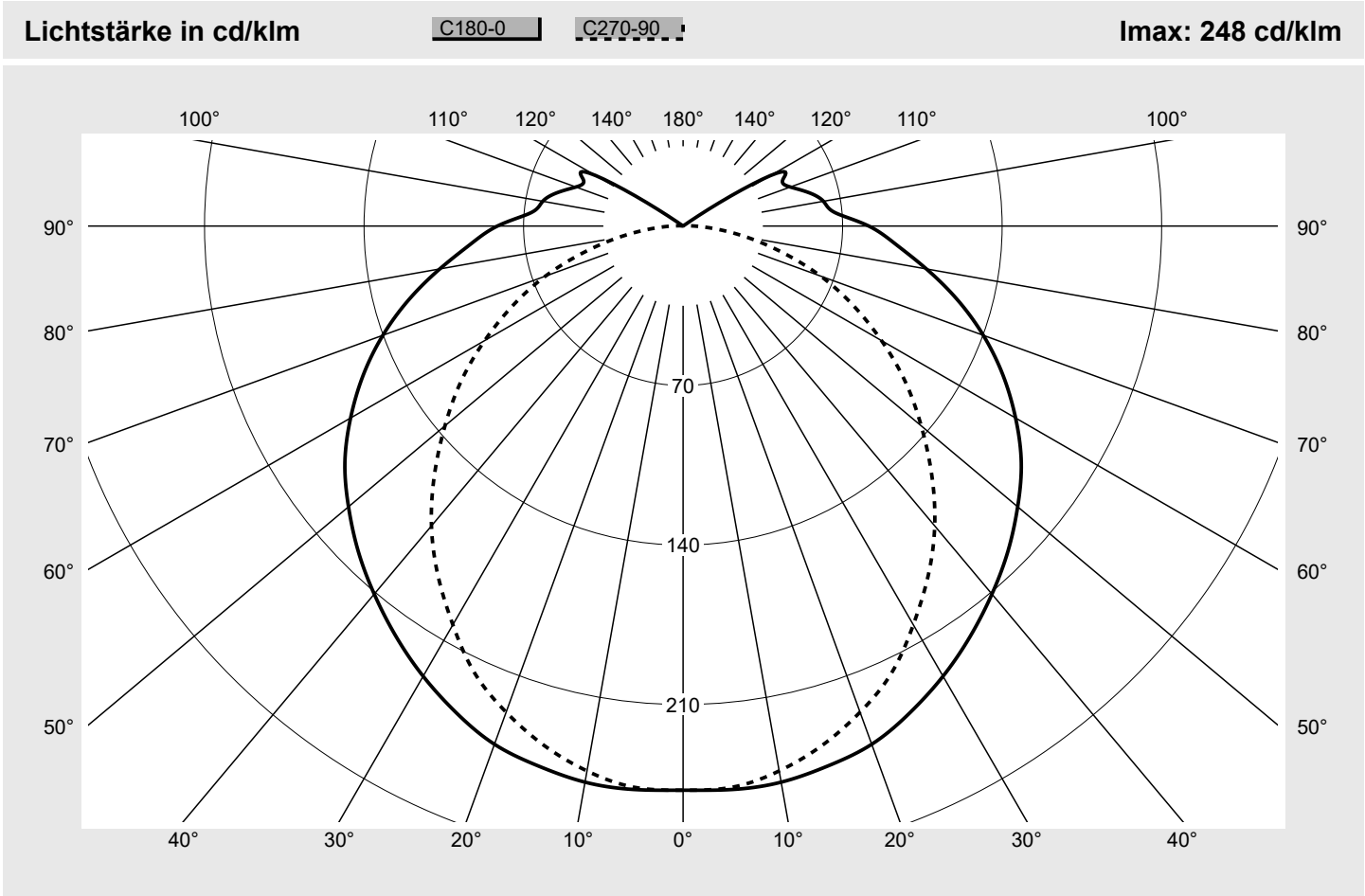


Ausführung Diffusoroptik, satiniert, PC, einstellbare Farbtemperatur: 3000K | 4000K | 5000K, extrem breit strahlend

Bestückung LED 3000 K | CRI ≥ 80
Betriebsgerät EVG
Einstellung indiv. Einstellung: Farbtemperatur 3000K
Bemessungswerte Nettolichtstrom = 920 lm
Systemleistung = 8.3 W
Lichtausbeute = 110.8 lm/W

Seriendokumentation
26.08.2024





Klassifizierungen		Leuchtenbetriebswirkungsgrade	
DIN 5040	B 3 1	ηLB	100,0%
CIE	N1=39 N2=68 N3=88	φ _u	88,5%
	N4=89 N5=100	φ _o	11,5%

Messbedingungen
DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
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C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Lichtstärke in cd/klm												
0°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
5°	248.2	248.0	247.8	247.2	246.6	246.9	247.2	246.9	246.6	247.2	247.8	248.0	248.2
10°	247.8	247.9	248.0	245.9	243.7	243.3	242.8	243.3	243.7	245.9	248.0	247.9	247.8
15°	245.3	245.3	245.3	241.8	238.2	237.1	235.9	237.1	238.2	241.8	245.3	245.3	245.3
20°	242.0	241.5	241.0	235.9	230.8	228.9	227.0	228.9	230.8	235.9	241.0	241.5	242.0
25°	235.6	235.1	234.5	228.0	221.5	219.0	216.4	219.0	221.5	228.0	234.5	235.1	235.6
30°	228.1	227.1	226.0	218.1	210.2	206.1	202.1	206.1	210.2	218.1	226.0	227.1	228.1
35°	219.7	218.2	216.7	207.0	197.3	192.4	187.5	192.4	197.3	207.0	216.7	218.2	219.7
40°	210.9	208.5	206.2	194.9	183.7	177.7	171.8	177.7	183.7	194.9	206.2	208.5	210.9
45°	201.7	198.2	194.8	181.8	168.8	161.5	154.3	161.5	168.8	181.8	194.8	198.2	201.7
50°	191.7	187.8	184.0	168.9	153.9	145.1	136.4	145.1	153.9	168.9	184.0	187.8	191.7
55°	181.2	176.2	171.3	154.7	138.1	128.6	119.0	128.6	138.1	154.7	171.3	176.2	181.2
60°	168.5	163.2	157.9	139.7	121.5	111.0	100.5	111.0	121.5	139.7	157.9	163.2	168.5
65°	154.9	149.6	144.3	124.8	105.2	93.8	82.3	93.8	105.2	124.8	144.3	149.6	154.9
70°	140.2	134.9	129.6	109.5	89.3	76.8	64.3	76.8	89.3	109.5	129.6	134.9	140.2
75°	124.5	118.8	113.0	92.8	72.6	59.0	45.5	59.0	72.6	92.8	113.0	118.8	124.5
80°	108.4	103.0	97.5	77.2	56.9	42.8	28.7	42.8	56.9	77.2	97.5	103.0	108.4
85°	93.9	88.6	83.2	63.3	43.4	28.8	14.3	28.8	43.4	63.3	83.2	88.6	93.9
90°	81.5	76.7	71.9	53.0	34.1	19.6	5.0	19.6	34.1	53.0	71.9	76.7	81.5
95°	67.0	66.8	66.5	49.1	31.8	16.7	1.6	16.7	31.8	49.1	66.5	66.8	67.0
100°	62.5	55.6	48.6	37.9	27.3	14.1	1.0	14.1	27.3	37.9	48.6	55.6	62.5
105°	56.9	49.2	41.5	31.8	22.0	11.5	0.9	11.5	22.0	31.8	41.5	49.2	56.9
110°	50.1	45.3	40.5	30.1	19.7	10.4	1.1	10.4	19.7	30.1	40.5	45.3	50.1
115°	48.3	45.2	42.1	30.4	18.7	10.0	1.2	10.0	18.7	30.4	42.1	45.2	48.3
120°	44.3	41.7	39.0	28.1	17.2	8.9	0.6	8.9	17.2	28.1	39.0	41.7	44.3
125°	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
135°	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
145°	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
155°	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
165°	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
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

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Wertetabelle Lichtstärkemessung												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°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	1.5	1.5
5°	248.0	247.8	247.2	246.6	246.9	247.2	246.9	246.6	247.2	247.8	248.0	11.8	13.3
10°	247.9	248.0	245.9	243.7	243.3	242.8	243.3	243.7	245.9	248.0	247.9	23.4	36.7
15°	245.3	245.3	241.8	238.2	237.1	235.9	237.1	238.2	241.8	245.3	245.3	34.2	70.9
20°	241.5	241.0	235.9	230.8	228.9	227.0	228.9	230.8	235.9	241.0	241.5	44.1	115.1
25°	235.1	234.5	228.0	221.5	219.0	216.4	219.0	221.5	228.0	234.5	235.1	52.7	167.7
30°	227.1	226.0	218.1	210.2	206.1	202.1	206.1	210.2	218.1	226.0	227.1	59.5	227.2
35°	218.2	216.7	207.0	197.3	192.4	187.5	192.4	197.3	207.0	216.7	218.2	64.7	292.0
40°	208.5	206.2	194.9	183.7	177.7	171.8	177.7	183.7	194.9	206.2	208.5	68.3	360.2
45°	198.2	194.8	181.8	168.8	161.5	154.3	161.5	168.8	181.8	194.8	198.2	70.0	430.2
50°	187.8	184.0	168.9	153.9	145.1	136.4	145.1	153.9	168.9	184.0	187.8	70.2	500.4
55°	176.2	171.3	154.7	138.1	128.6	119.0	128.6	138.1	154.7	171.3	176.2	68.8	569.2
60°	163.2	157.9	139.7	121.5	111.0	100.5	111.0	121.5	139.7	157.9	163.2	65.5	634.7
65°	149.6	144.3	124.8	105.2	93.8	82.3	93.8	105.2	124.8	144.3	149.6	61.0	695.7
70°	134.9	129.6	109.5	89.3	76.8	64.3	76.8	89.3	109.5	129.6	134.9	55.1	750.8
75°	118.8	113.0	92.8	72.6	59.0	45.5	59.0	72.6	92.8	113.0	118.8	47.8	798.6
80°	103.0	97.5	77.2	56.9	42.8	28.7	42.8	56.9	77.2	97.5	103.0	40.1	838.7
85°	88.6	83.2	63.3	43.4	28.8	14.3	28.8	43.4	63.3	83.2	88.6	32.9	871.6
90°	76.7	71.9	53.0	34.1	19.6	5.0	19.6	34.1	53.0	71.9	76.7	27.3	898.8
95°	66.8	66.5	49.1	31.8	16.7	1.6	16.7	31.8	49.1	66.5	66.8	24.1	923.0
100°	55.6	48.6	37.9	27.3	14.1	1.0	14.1	27.3	37.9	48.6	55.6	19.4	942.3
105°	49.2	41.5	31.8	22.0	11.5	0.9	11.5	22.0	31.8	41.5	49.2	16.3	958.7
110°	45.3	40.5	30.1	19.7	10.4	1.1	10.4	19.7	30.1	40.5	45.3	14.7	973.4
115°	45.2	42.1	30.4	18.7	10.0	1.2	10.0	18.7	30.4	42.1	45.2	14.2	987.6
120°	41.7	39.0	28.1	17.2	8.9	0.6	8.9	17.2	28.1	39.0	41.7	12.4	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	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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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	20,3	22,0	20,7	22,4	22,8	19,6	21,3	20,0	21,7	22,1
	3H	22,3	23,9	22,8	24,3	24,8	21,3	22,8	21,7	23,2	23,7
	4H	23,3	24,7	23,7	25,1	25,6	21,9	23,3	22,4	23,8	24,3
	6H	24,1	25,4	24,6	25,9	26,5	22,4	23,7	22,9	24,2	24,7
	8H	24,6	25,8	25,1	26,3	26,9	22,6	23,9	23,1	24,4	24,9
	12H	24,9	26,1	25,5	26,6	27,2	22,7	23,9	23,2	24,4	25,0
4H	2H	21,0	22,4	21,4	22,9	23,4	20,4	21,8	20,9	22,3	22,8
	3H	23,2	24,5	23,7	24,9	25,5	22,2	23,4	22,7	23,9	24,5
	4H	24,3	25,4	24,8	26,0	26,5	23,0	24,1	23,5	24,6	25,2
	6H	25,3	26,3	25,9	26,9	27,5	23,6	24,6	24,1	25,1	25,7
	8H	25,9	26,8	26,4	27,3	28,0	23,9	24,8	24,4	25,4	26,0
	12H	26,3	27,1	26,9	27,7	28,4	24,0	24,8	24,6	25,4	26,1
8H	4H	24,6	25,6	25,2	26,1	26,8	23,5	24,4	24,0	24,9	25,6
	6H	25,9	26,7	26,5	27,3	27,9	24,3	25,0	24,9	25,6	26,3
	8H	26,5	27,2	27,1	27,8	28,5	24,6	25,3	25,2	25,9	26,6
	12H	27,1	27,7	27,8	28,4	29,1	24,8	25,4	25,5	26,1	26,8
12H	4H	24,6	25,5	25,2	26,0	26,7	23,5	24,3	24,1	24,9	25,6
	6H	25,9	26,6	26,6	27,2	27,9	24,4	25,1	25,0	25,7	26,4
	8H	26,6	27,2	27,3	27,9	28,6	24,8	25,4	25,5	26,0	26,8

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$		Lichttechnische Abmessungen in mm:		L = 575 B = 25		H(C0) = 18 H(C90) = 0		H(C180) = 18 H(C270) = 0		
C- Ebenen	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Leuchtdichte in cd/m²											
45°	10611.6	10857.7	11232.6	13964.9	11232.6	10857.7	10611.6	10857.7	11232.6	13964.9	11232.6	10857.7
50°	10270.6	10508.4	10722.3	13581.2	10722.3	10508.4	10270.6	10508.4	10722.3	13581.2	10722.3	10508.4
55°	9966.8	10109.2	10177.2	13279.9	10177.2	10109.2	9966.8	10109.2	10177.2	13279.9	10177.2	10109.2
60°	9597.2	9716.2	9580.3	12867.7	9580.3	9716.2	9597.2	9716.2	9580.3	12867.7	9580.3	9716.2
65°	9220.0	9349.8	8992.6	12469.6	8992.6	9349.8	9220.0	9349.8	8992.6	12469.6	8992.6	9349.8
70°	8809.1	8939.0	8402.5	12027.4	8402.5	8939.0	8809.1	8939.0	8402.5	12027.4	8402.5	8939.0
75°	8350.6	8400.0	7662.3	11243.2	7662.3	8400.0	8350.6	8400.0	7662.3	11243.2	7662.3	8400.0
80°	7861.2	7925.0	6898.3	10559.3	6898.3	7925.0	7861.2	7925.0	6898.3	10559.3	6898.3	7925.0
85°	7472.7	7518.6	6223.6	10515.4	6223.6	7518.6	7472.7	7518.6	6223.6	10515.4	6223.6	7518.6

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Leuchtdichten in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

