

Lichttechnischer Prüfbefund

Familie
Silica®

Bestell-Nr.: 5MX11DD1W4A
EAN: 4058352305287

LP-Nummer
59138_2



Ausführung Einbauleuchte, satinierte Abdeckung, direkt strahlend, UGR≤25
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 3140 lm
Systemleistung = 22.6 W
Lichtausbeute = 138.9 lm/W

Seriendokumentation
15.03.2021

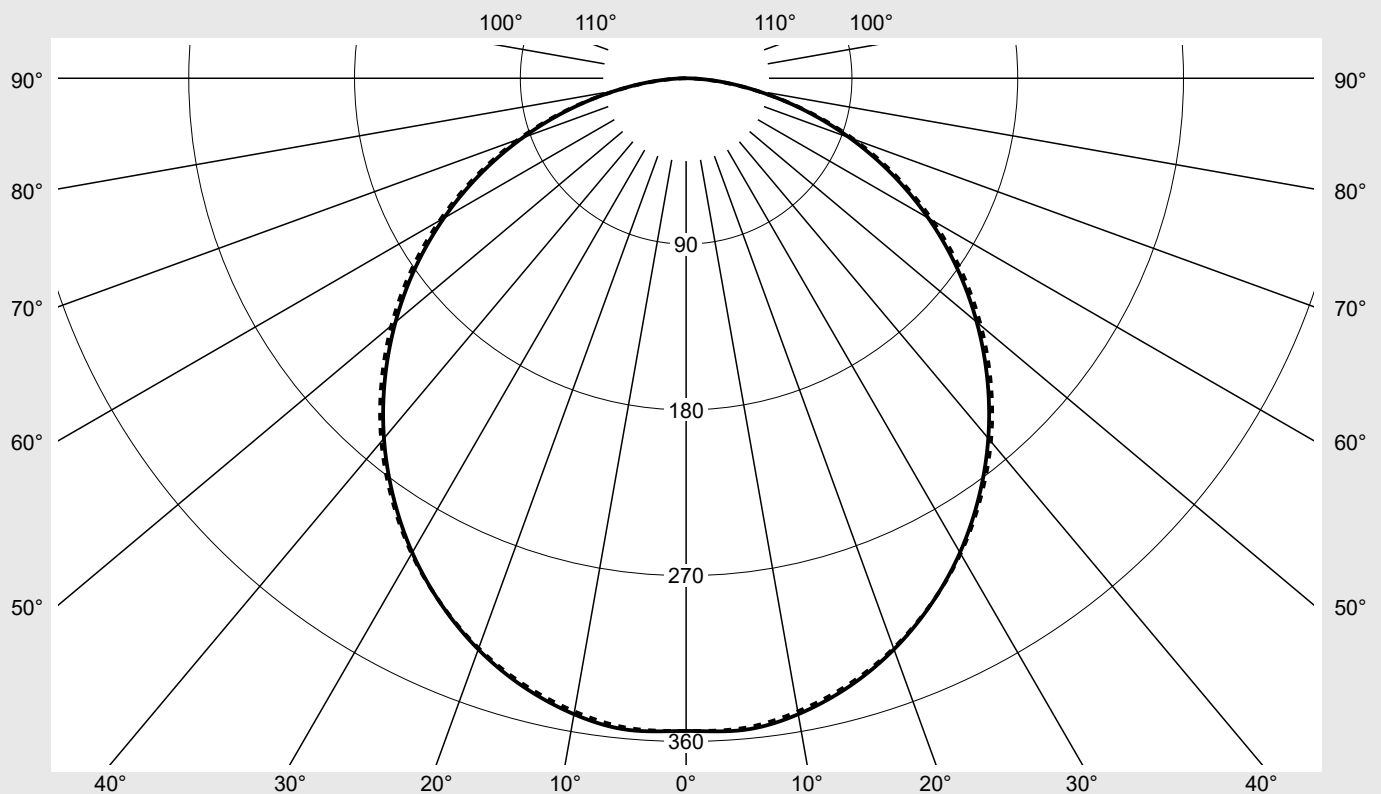
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 355 cd/klm



Klassifizierungen

DIN 5040 A 4 0
CIE N1=47 N2=79 N3=96
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
0°	354.3	354.3	354.3	354.3	354.3	354.3	354.3	2.1	2.1
5°	355.2	354.0	351.1	352.5	353.9	353.5	354.1	16.9	19.0
10°	350.5	349.4	346.7	348.0	349.4	348.8	349.0	33.2	52.2
15°	341.8	341.0	338.4	339.7	341.1	340.7	340.7	48.3	100.5
20°	329.9	329.5	326.9	328.3	329.6	329.5	329.2	61.7	162.1
25°	314.9	314.7	312.4	313.7	315.1	315.1	314.7	72.8	234.9
30°	297.3	297.3	295.2	296.3	297.7	298.1	298.0	81.4	316.3
35°	277.2	277.4	275.8	276.4	278.0	278.6	278.6	87.2	403.5
40°	255.2	255.4	254.6	254.7	256.0	257.1	257.4	90.1	493.6
45°	231.3	231.4	231.1	231.2	232.4	233.1	233.9	89.9	583.5
50°	206.0	205.9	206.3	206.2	207.1	207.7	208.8	86.8	670.4
55°	179.5	179.5	180.3	180.3	180.9	181.3	182.4	81.1	751.4
60°	151.9	152.0	153.0	153.1	153.5	153.9	154.4	72.7	824.1
65°	123.4	123.8	124.5	124.7	125.6	125.8	125.9	62.0	886.1
70°	94.5	95.2	95.0	95.8	96.4	96.8	96.8	49.3	935.5
75°	65.8	66.2	65.9	66.5	66.9	67.3	67.1	35.2	970.7
80°	38.9	38.8	38.8	38.5	38.6	38.6	38.5	20.9	991.6
85°	16.1	15.8	15.8	15.6	15.2	14.9	14.8	8.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	20,8	22,5	21,1	22,8	23,1	20,8	22,5	21,2	22,8	23,1
	3H	22,4	23,9	22,8	24,3	24,6	22,5	24,0	22,9	24,3	24,7
	4H	23,0	24,5	23,4	24,8	25,2	23,1	24,6	23,5	24,9	25,3
	6H	23,5	24,8	23,9	25,2	25,6	23,6	24,9	24,0	25,3	25,7
	8H	23,7	24,9	24,1	25,3	25,7	23,8	25,0	24,2	25,4	25,8
	12H	23,8	25,0	24,2	25,4	25,8	23,9	25,0	24,3	25,4	25,8
4H	2H	21,5	23,0	21,9	23,3	23,7	21,6	23,0	22,0	23,4	23,8
	3H	23,3	24,6	23,8	25,0	25,4	23,4	24,6	23,8	25,0	25,4
	4H	24,1	25,2	24,5	25,6	26,0	24,2	25,3	24,6	25,7	26,1
	6H	24,7	25,6	25,1	26,1	26,5	24,8	25,7	25,2	26,2	26,6
	8H	24,9	25,8	25,4	26,2	26,7	25,0	25,8	25,4	26,3	26,7
	12H	25,0	25,8	25,5	26,3	26,8	25,1	25,9	25,6	26,3	26,8
8H	4H	24,4	25,3	24,9	25,8	26,2	24,5	25,4	25,0	25,8	26,3
	6H	25,2	25,9	25,6	26,3	26,8	25,2	25,9	25,7	26,4	26,9
	8H	25,4	26,1	25,9	26,5	27,1	25,5	26,1	26,0	26,6	27,1
	12H	25,6	26,2	26,1	26,7	27,2	25,6	26,2	26,1	26,7	27,2
12H	4H	24,5	25,3	25,0	25,7	26,2	24,6	25,4	25,1	25,8	26,3
	6H	25,2	25,9	25,7	26,3	26,9	25,3	25,9	25,8	26,4	26,9
	8H	25,5	26,1	26,0	26,6	27,1	25,6	26,1	26,1	26,6	27,1

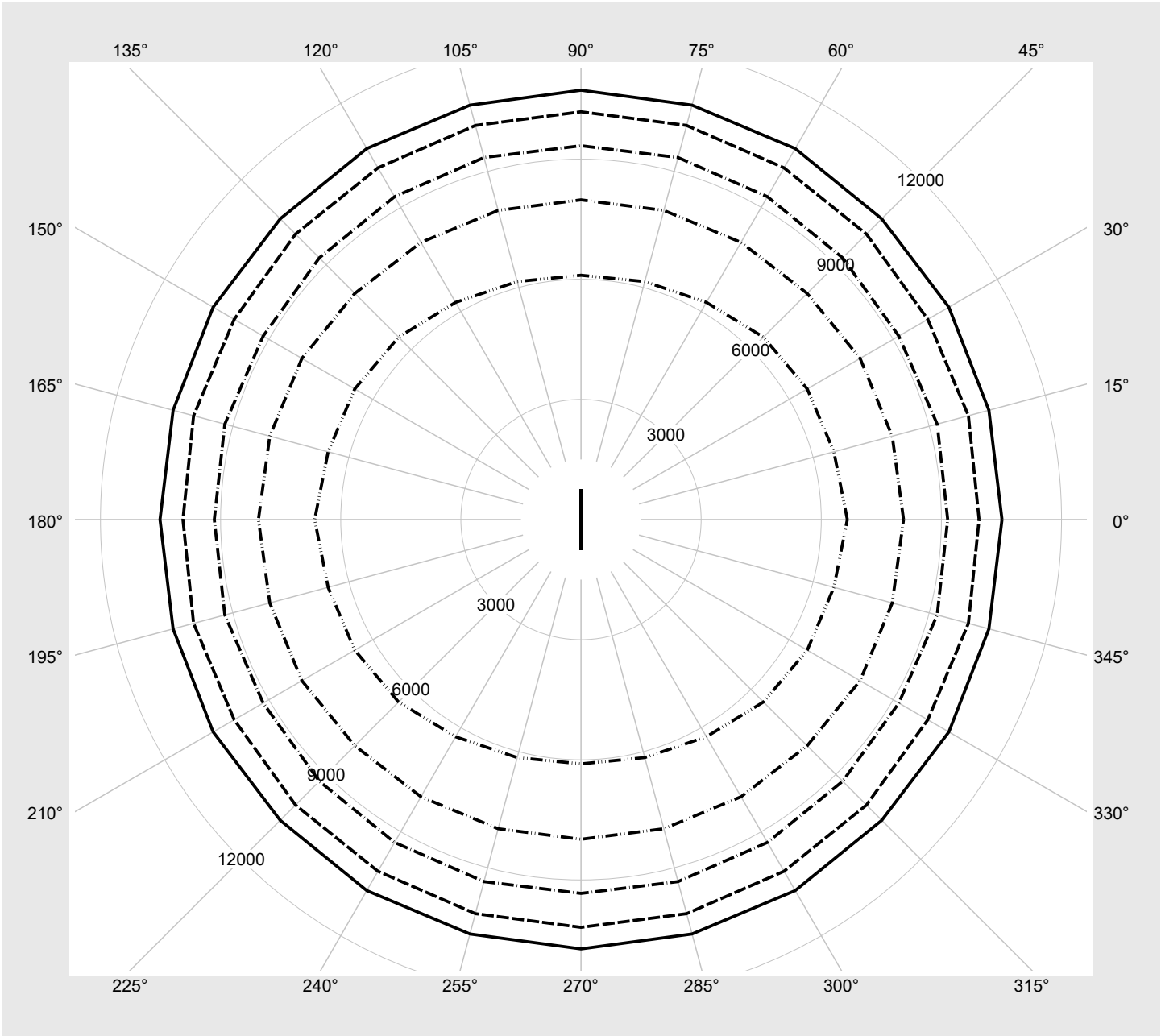
Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1430 B = 61
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		11773.5	11777.8	11765.3	11767.8	11828.6	11865.1	11907.2	
50°		11534.0	11532.5	11551.2	11547.8	11600.3	11633.3	11694.4	
55°		11266.4	11263.7	11313.0	11315.6	11353.1	11376.7	11444.1	
60°		10932.3	10944.6	11015.2	11020.8	11049.6	11077.9	11119.0	
65°		10513.5	10545.4	10607.9	10621.7	10698.7	10714.7	10722.7	
70°		9940.7	10016.1	10000.0	10081.7	10141.8	10189.3	10183.1	
75°		9157.6	9208.7	9164.9	9241.9	9310.8	9360.6	9335.7	
80°		8055.2	8046.5	8048.1	7988.0	7993.4	7993.4	7984.5	
85°		6650.8	6538.1	6524.0	6443.1	6263.4	6154.0	6101.1	

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



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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	3140	22.6
95	241	252	2983	21.5
90	228	250	2826	20.4
85	215	248	2668	19.4
80	202	246	2509	18.3
75	189	243	2349	17.2
70	177	241	2201	16.2
65	164	238	2040	15.1
60	151	235	1879	14.0
55	139	232	1729	13.1
50	126	228	1566	12.0
45	114	225	1415	11.0
40	101	220	1251	9.9
35	89	216	1099	8.9
30	77	210	946	8.0
25	64	204	780	6.9
20	52	196	626	6.0
15	40	186	472	5.1
10	28	173	317	4.1
5	16	153	161	3.3
3	10	136	83	2.7