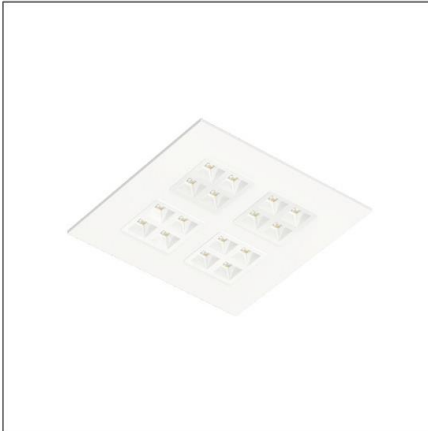


Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6NDS34WA
EAN: 4069025073419

LP-Nummer
59651_8



Ausführung Einbauleuchte für Einlegemontage, weiß, quadratisch M600, Reflektor, weiß, breit strahlend, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung Werkseinstellung: DIP-Stufe=10

Bemessungswerte Nettolichtstrom = 4540 lm
Systemleistung = 28.0 W
Lichtausbeute = 162.1 lm/W

Seriendokumentation
28.06.2024

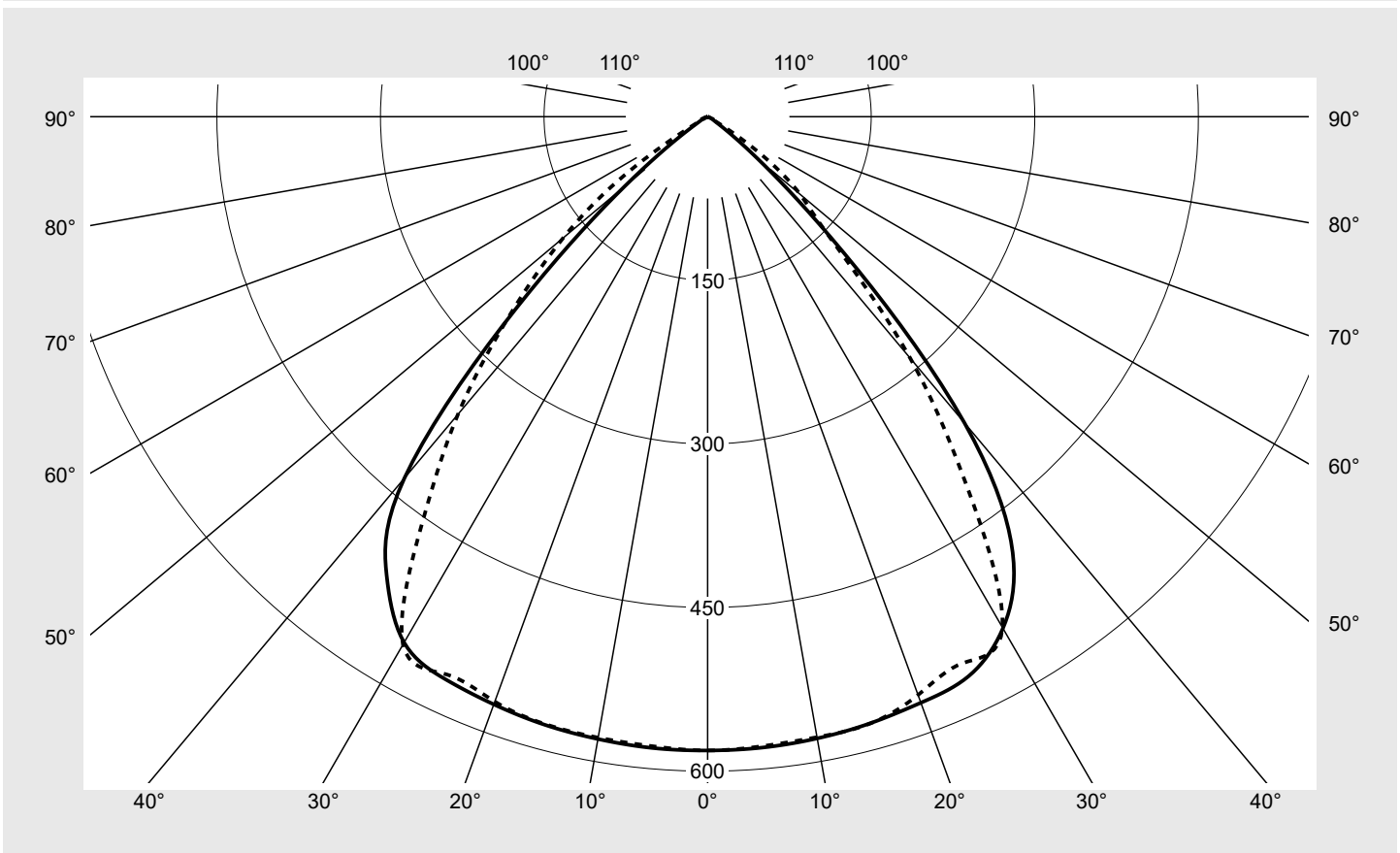
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 581 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=81 N2=99 N3=100
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6NDS34WA EAN: 4069025073419	LP-Nummer 59651_8
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Lichtstärke in cd/klm												
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
5°	580.5	580.1	579.7	579.4	579.4	579.4	579.2	579.0	579.2	579.6	580.0	580.5	580.9
10°	578.7	578.5	578.4	578.3	578.0	577.7	577.6	577.5	578.2	578.7	578.6	578.8	579.3
15°	575.7	576.4	576.8	577.2	576.7	576.4	575.9	576.2	577.1	577.5	576.7	576.6	577.1
20°	571.7	572.8	573.6	576.1	569.0	564.9	564.1	566.2	570.5	575.8	575.1	572.8	573.3
25°	566.0	566.0	569.7	558.0	553.5	552.0	552.9	555.0	555.9	560.9	570.4	567.8	569.0
30°	541.6	540.0	546.9	525.4	533.0	536.9	540.7	543.2	535.9	528.0	550.7	551.3	556.7
35°	487.7	474.2	457.4	466.6	474.3	428.4	415.5	433.8	482.1	473.9	481.9	504.4	513.2
40°	366.3	361.1	338.8	353.2	337.9	294.5	289.0	304.8	337.6	388.1	355.1	393.3	432.6
45°	177.0	197.8	189.9	224.7	192.0	162.4	163.7	169.6	200.0	223.2	205.3	207.1	247.5
50°	59.6	73.0	68.9	101.0	76.5	96.8	110.7	105.6	75.4	118.3	93.8	83.2	99.3
55°	15.4	19.6	34.5	33.2	43.5	54.3	58.4	57.4	47.2	34.2	37.6	30.2	25.8
60°	6.2	7.6	11.7	17.6	20.1	12.5	5.7	12.8	19.7	20.8	16.2	8.0	8.2
65°	3.9	4.0	4.5	8.0	4.3	4.4	4.3	4.4	4.4	8.4	4.7	4.4	4.5
70°	2.5	2.7	2.8	2.8	3.1	3.0	2.9	3.0	3.1	2.9	2.9	2.7	3.0
75°	1.6	1.7	1.7	1.8	1.8	1.7	1.5	1.6	1.8	1.9	1.8	1.7	1.9
80°	0.9	1.0	1.0	0.9	0.4	0.1	0.0	0.1	0.4	0.8	1.0	1.0	1.2
85°	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6
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
95°	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
105°	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
115°	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
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

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6NDS34WA EAN: 4069025073419	LP-Nummer 59651_8
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	3.5	3.5
5°	580.6	580.2	579.9	579.4	579.2	579.3	579.6	579.6	579.6	579.9	580.2	27.7	31.2
10°	578.7	578.5	579.0	578.9	578.0	578.0	578.3	578.9	579.0	578.8	578.6	55.1	86.2
15°	576.8	576.9	577.2	577.4	577.4	576.4	577.2	578.0	577.5	577.0	576.5	81.8	168.1
20°	573.4	575.5	576.5	572.6	571.3	570.6	571.8	573.3	576.3	573.9	572.8	107.3	275.4
25°	568.6	571.7	567.0	563.8	563.3	564.4	565.2	564.3	564.4	569.1	566.4	130.6	405.9
30°	556.7	557.9	546.1	551.7	555.8	558.7	557.7	551.5	541.1	552.6	542.8	149.6	555.5
35°	512.6	507.6	507.3	509.7	467.7	457.5	468.2	504.9	500.8	479.1	486.3	150.6	706.1
40°	418.8	394.7	438.8	381.7	362.9	356.1	354.7	376.9	409.9	373.1	383.3	129.2	835.4
45°	231.5	245.7	274.1	252.0	248.3	255.5	243.3	232.7	270.2	228.4	219.8	85.0	920.3
50°	100.9	114.3	152.3	123.7	166.7	172.8	157.5	112.9	125.8	91.5	77.8	44.8	965.1
55°	35.6	44.5	45.1	77.3	90.7	91.0	88.1	63.5	43.5	44.4	20.3	21.2	986.3
60°	9.0	19.9	27.4	32.0	20.3	8.7	20.2	30.1	23.2	14.3	8.1	7.5	993.9
65°	4.7	6.0	11.5	7.6	6.8	6.4	6.8	7.5	11.0	5.2	4.2	2.9	996.8
70°	2.9	3.3	4.3	5.1	4.5	4.2	4.5	5.1	3.8	3.1	2.9	1.7	998.5
75°	1.9	2.0	2.5	2.7	2.2	2.0	2.2	2.6	2.2	1.9	1.8	1.0	999.6
80°	1.1	1.2	1.0	0.5	0.1	0.0	0.1	0.5	1.0	1.1	1.1	0.4	999.9
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	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	1000.0
95°	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	1000.0
105°	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	1000.0
115°	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	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

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6NDS34WA EAN: 4069025073419	LP-Nummer 59651_8
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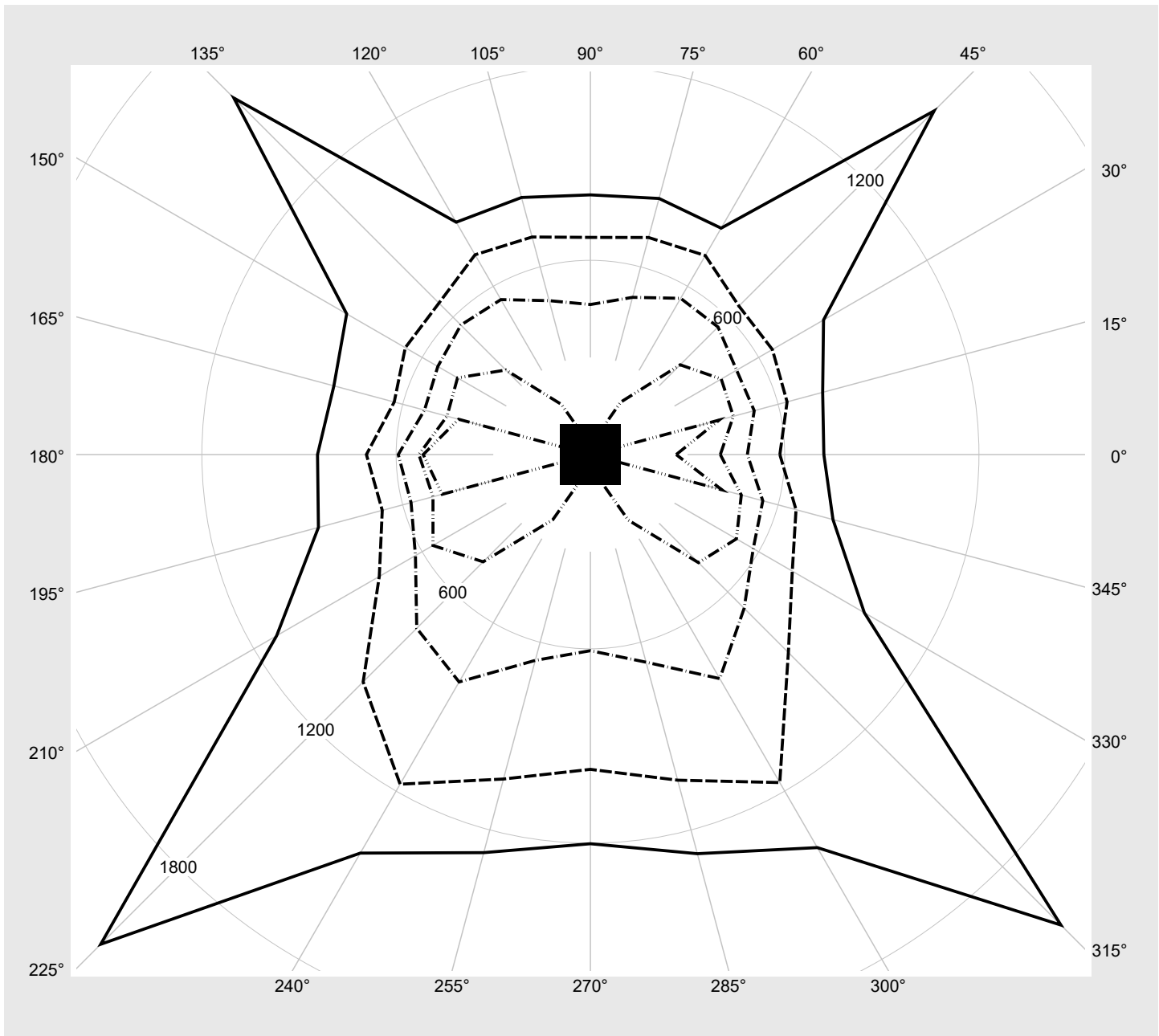
UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,7	21,1	20,1	21,4	21,7	19,5	20,9	19,9	21,2	21,5
	3H	19,6	20,8	20,0	21,1	21,5	19,4	20,6	19,8	20,9	21,3
	4H	19,5	20,6	19,9	21,0	21,3	19,3	20,4	19,7	20,8	21,1
	6H	19,5	20,5	19,9	20,8	21,2	19,3	20,2	19,7	20,6	21,0
	8H	19,4	20,4	19,9	20,7	21,2	19,2	20,2	19,7	20,5	21,0
	12H	19,5	20,3	19,9	20,7	21,1	19,3	20,1	19,7	20,5	20,9
4H	2H	19,6	20,7	20,0	21,0	21,4	19,3	20,4	19,7	20,8	21,2
	3H	19,4	20,3	19,9	20,7	21,1	19,2	20,1	19,6	20,5	20,9
	4H	19,4	20,2	19,8	20,6	21,0	19,1	19,9	19,6	20,3	20,8
	6H	19,3	20,0	19,7	20,4	20,9	19,1	19,7	19,5	20,2	20,6
	8H	19,2	19,9	19,7	20,3	20,8	19,0	19,6	19,5	20,1	20,6
	12H	19,2	19,7	19,7	20,2	20,7	19,0	19,5	19,5	20,0	20,5
8H	4H	19,3	19,9	19,7	20,3	20,8	19,0	19,6	19,5	20,1	20,6
	6H	19,2	19,6	19,7	20,1	20,6	18,9	19,4	19,4	19,9	20,4
	8H	19,1	19,5	19,6	20,0	20,6	18,9	19,3	19,4	19,8	20,3
	12H	19,1	19,4	19,6	19,9	20,5	18,8	19,2	19,4	19,7	20,2
12H	4H	19,2	19,7	19,7	20,2	20,7	19,0	19,5	19,5	20,0	20,5
	6H	19,1	19,5	19,6	20,0	20,6	18,9	19,3	19,4	19,8	20,3
	8H	19,1	19,4	19,6	19,9	20,5	18,8	19,2	19,4	19,7	20,2

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 240 B = 240											
C-Ebenen		0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ		Leuchtdichte in cd/m²											
45°	19732.7	21169.1	21403.0	18251.5	22293.8	22884.1	27583.4	27382.9	28084.5	28485.3	25935.1	25456.4	
50°	7310.8	8453.8	9376.2	13573.1	9243.9	11499.1	12175.3	14014.1	15165.6	21192.6	13842.6	11214.9	
55°	2119.7	4744.5	5971.9	8022.8	6481.2	5170.1	3547.3	6109.2	10624.3	12502.2	8732.5	6099.6	
60°	969.5	1837.8	3163.8	896.8	3102.3	2560.7	1295.6	3137.0	5039.4	1366.9	4738.6	2258.3	
65°	721.0	831.4	807.6	802.1	828.8	869.3	842.8	1119.0	1421.3	1202.0	1401.8	976.9	
70°	585.1	649.0	709.8	670.8	712.6	660.2	691.8	752.9	1175.5	972.3	1169.8	719.9	
75°	484.8	521.4	557.3	463.5	552.7	544.2	593.5	624.0	811.0	605.7	799.1	580.7	
80°	401.3	466.6	187.0	0.0	178.8	473.9	529.7	561.5	232.4	0.0	233.8	520.6	
85°	265.0	0.0	0.0	0.0	0.0	0.0	516.4	0.0	0.0	0.0	0.0	0.0	

Lichttechnischer Prüfbefund

Familie Silica® 31	Bestell-Nr.: 51MY6NDS34WA EAN: 4069025073419	LP-Nummer 59651_8
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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Lichttechnischer Prüfbefund

Familie
Silica® 31

Bestell-Nr.: 51MY6NDS34WA
EAN: 4069025073419

LP-Nummer
59651_8

Multilumen-Tabelle

Umgebungstemperatur: 25°C



DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
0	OFF	OFF	OFF	OFF	6230	38.5
1	ON	OFF	OFF	OFF	5960	37.0
2	OFF	ON	OFF	OFF	5680	35.0
4	OFF	OFF	ON	OFF	5400	33.0
7	ON	ON	ON	OFF	5130	31.0
8	OFF	OFF	OFF	ON	4820	29.5
10	OFF	ON	OFF	ON	4540	28.0
12	OFF	OFF	ON	ON	4330	26.0
13	ON	OFF	ON	ON	3960	24.0
14	OFF	ON	ON	ON	3670	22.5