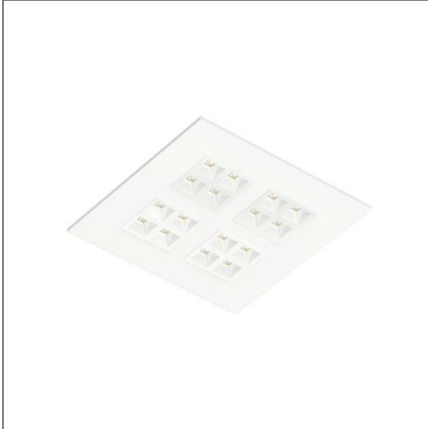


## Lichttechnischer Prüfbefund

Familie  
Silica® 31

Bestell-Nr.: 51MY6NDS44WA  
EAN: 4069025073440

LP-Nummer  
59651\_6



**Ausführung** Einbauleuchte für Einlegemontage, weiß, quadratisch M600, Reflektor, weiß, breit strahlend, UGR≤19 (L65≤3000cd/m<sup>2</sup>)

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** Werkseinstellung: DIP-Stufe=12

**Bemessungswerte** Nettolichtstrom = 4570 lm  
Systemleistung = 26.0 W  
Lichtausbeute = 175.8 lm/W

Seriendokumentation  
28.06.2024

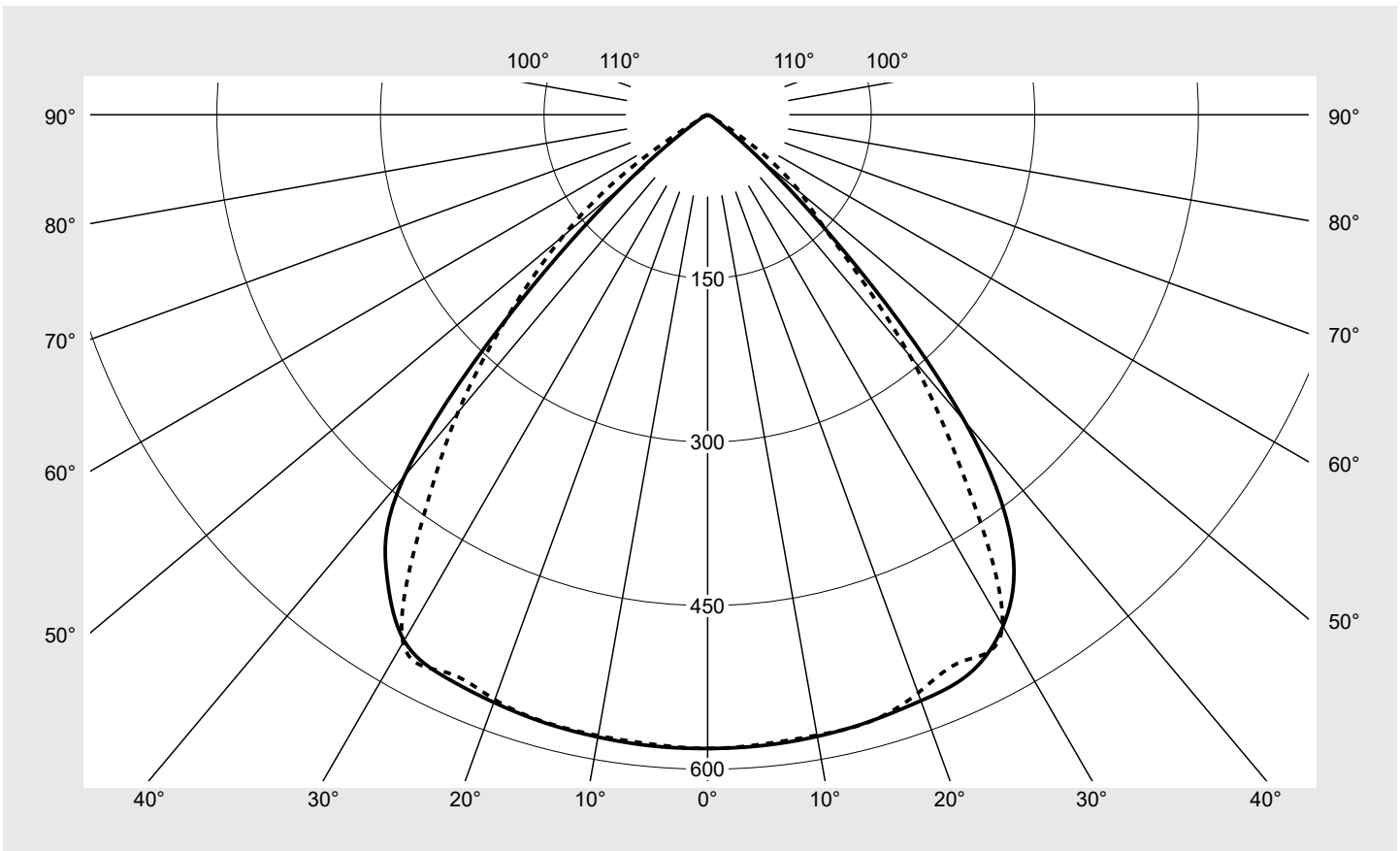
siteco

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

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

#### Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6NDS44WA</b> <b>EAN: 4069025073440</b>	<b>LP-Nummer</b> <b>59651_6</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
$\gamma$	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

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6NDS44WA</b> <b>EAN: 4069025073440</b>	<b>LP-Nummer</b> <b>59651_6</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
$\gamma$	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

<b>Familie</b> Silica® 31	<b>Bestell-Nr.: 51MY6NDS44WA</b> <b>EAN: 4069025073440</b>	<b>LP-Nummer</b> 59651_6
------------------------------	---	-----------------------------

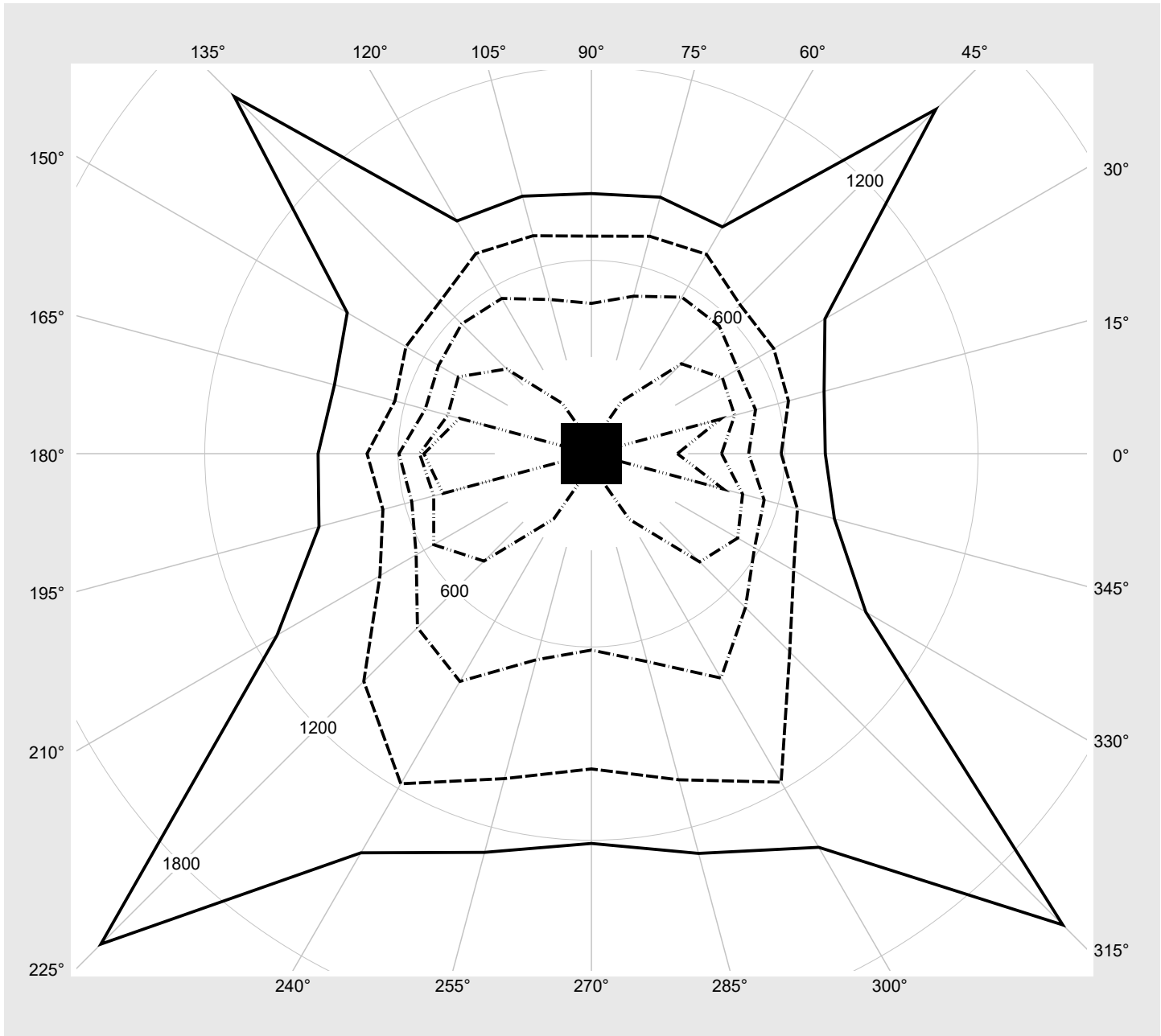
UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,7	21,1	20,1	21,4	21,7	19,5	20,9	19,9	21,2	21,5
	3H	19,6	20,8	20,0	21,1	21,5	19,4	20,6	19,8	20,9	21,3
	4H	19,6	20,6	19,9	21,0	21,4	19,4	20,4	19,7	20,8	21,2
	6H	19,5	20,5	19,9	20,8	21,2	19,3	20,3	19,7	20,6	21,0
	8H	19,5	20,4	19,9	20,8	21,2	19,3	20,2	19,7	20,6	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	19,4	20,5	19,8	20,8	21,2
	3H	19,5	20,4	19,9	20,7	21,2	19,2	20,1	19,7	20,5	20,9
	4H	19,4	20,2	19,8	20,6	21,0	19,2	20,0	19,6	20,4	20,8
	6H	19,3	20,0	19,8	20,4	20,9	19,1	19,8	19,5	20,2	20,7
	8H	19,3	19,9	19,7	20,3	20,8	19,0	19,7	19,5	20,1	20,6
	12H	19,3	19,8	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	19,7	19,5	20,1	20,6
	6H	19,2	19,7	19,7	20,1	20,7	19,0	19,4	19,4	19,9	20,4
	8H	19,1	19,6	19,6	20,1	20,6	18,9	19,3	19,4	19,8	20,3
	12H	19,1	19,4	19,6	20,0	20,5	18,9	19,2	19,4	19,7	20,3
12H	4H	19,3	19,8	19,7	20,2	20,7	19,0	19,5	19,5	20,0	20,5
	6H	19,2	19,6	19,7	20,0	20,6	18,9	19,3	19,4	19,8	20,4
	8H	19,1	19,4	19,6	20,0	20,5	18,9	19,2	19,4	19,7	20,3

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$											
		Lichttechnische Abmessungen in mm: L = 240 B = 240											
C-Ebenen	$\gamma$	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
		Leuchtdichte in cd/m <sup>2</sup>											
45°		19863.0	21309.0	21544.4	18372.1	22441.2	23035.3	27765.7	27563.8	28270.0	28673.5	26106.5	25624.6
50°		7359.1	8509.6	9438.2	13662.8	9305.0	11575.0	12255.8	14106.7	15265.8	21332.7	13934.1	11289.1
55°		2133.7	4775.8	6011.4	8075.9	6524.0	5204.2	3570.7	6149.5	10694.5	12584.9	8790.2	6139.9
60°		975.9	1849.9	3184.7	902.7	3122.8	2577.6	1304.2	3157.7	5072.7	1375.9	4769.9	2273.3
65°		725.8	836.9	812.9	807.4	834.3	875.0	848.4	1126.4	1430.7	1210.0	1411.0	983.4
70°		589.0	653.2	714.5	675.3	717.3	664.6	696.4	757.9	1183.3	978.7	1177.5	724.7
75°		488.0	524.8	561.0	466.6	556.4	547.8	597.5	628.1	816.3	609.7	804.4	584.6
80°		403.9	469.7	188.2	0.0	180.0	477.0	533.2	565.2	233.9	0.0	235.3	524.1
85°		266.7	0.0	0.0	0.0	0.0	0.0	519.8	0.0	0.0	0.0	0.0	0.0

# Lichttechnischer Prüfbefund

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6NDS44WA</b> <b>EAN: 4069025073440</b>	<b>LP-Nummer</b> <b>59651_6</b>
-------------------------------------	---	------------------------------------

Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Lichttechnischer Prüfbefund

Familie  
Silica® 31

Bestell-Nr.: 51MY6NDS44WA  
EAN: 4069025073440

LP-Nummer  
59651\_6

## Multilumen-Tabelle

Umgebungstemperatur: 25°C



DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
0	OFF	OFF	OFF	OFF	6640	38.5
1	ON	OFF	OFF	OFF	6360	37.0
2	OFF	ON	OFF	OFF	6060	35.0
4	OFF	OFF	ON	OFF	5760	33.0
7	ON	ON	ON	OFF	5470	31.0
8	OFF	OFF	OFF	ON	5140	29.5
10	OFF	ON	OFF	ON	4840	28.0
12	OFF	OFF	ON	ON	4570	26.0
13	ON	OFF	ON	ON	4220	24.0
14	OFF	ON	ON	ON	3920	22.5