

Photometric test report

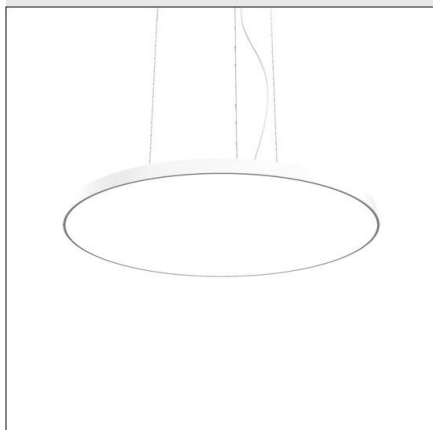
Family
Silica® 21 round L

Order number: 51ME31DC3NWA
EAN: 4069025804556

LP number
60083_8

serial
documentation
20.05.2026

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Version

Suspended luminaire, housing, white, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22

Lamps

LED 3000 K | CRI ≥ 80

Controlgear

ECG-DALI

Rated values

Net luminous flux = 14030 lm

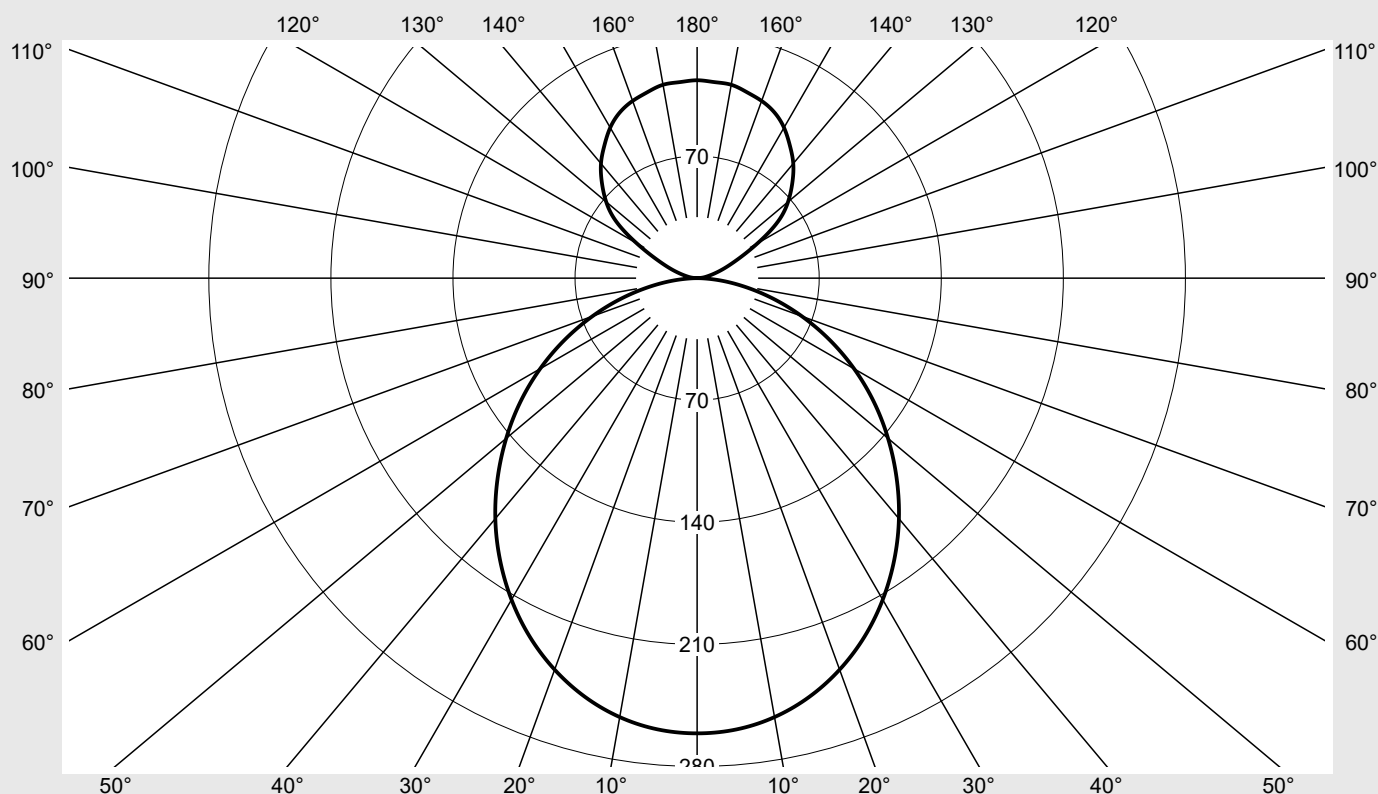
Power consumption = 89.0 W

Luminous efficacy = 157.6 lm/W

Luminous intensity in cd/klm

C180-0

Imax: 261 cd/klm



Classifications

DIN 5040 B 4 3
CIE N1=49 N2=79 N3=96
N4=70 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 70.2%
 ϕ_o 29.8%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity

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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	261.0	1.6	1.6
5°	259.7	12.4	14.0
10°	255.6	24.3	38.3
15°	248.6	35.3	73.6
20°	238.9	44.8	118.3
25°	227.0	52.6	170.9
30°	212.9	58.3	229.3
35°	197.1	62.0	291.2
40°	180.0	63.4	354.7
45°	161.7	62.7	417.3
50°	142.9	60.0	477.4
55°	123.7	55.6	532.9
60°	104.0	49.4	582.3
65°	83.9	41.7	623.9
70°	63.9	32.9	656.9
75°	44.8	23.7	680.6
80°	27.0	14.6	695.1
85°	11.6	6.3	701.4
90°	0.6	0.3	701.8
95°	2.6	1.4	703.2
100°	5.8	3.1	706.3
105°	10.2	5.4	711.8
110°	16.8	8.7	720.4
115°	26.0	12.9	733.3
120°	40.1	19.0	752.4
125°	56.6	25.4	777.8
130°	68.1	28.6	806.4
135°	77.2	29.9	836.3
140°	85.8	30.2	866.5
145°	92.8	29.2	895.7
150°	99.6	27.3	923.0
155°	104.9	24.3	947.3
160°	108.1	20.3	967.6
165°	110.4	15.7	983.2
170°	112.6	10.7	993.9
175°	112.9	5.4	999.3
180°	113.5	0.7	1000.0

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Family Silica® 21 round L			Order number: 51ME31DC3NWA EAN: 4069025804556							LP number 60083_8	
UGR-Table			Standard room							siteco	
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	16.0	17.1	16.7	17.9	18.8	16.0	17.1	16.7	17.9	18.8
	3H	17.4	18.4	18.1	19.2	20.1	17.4	18.4	18.1	19.2	20.1
	4H	18.0	19.0	18.8	19.8	20.7	18.0	19.0	18.8	19.8	20.7
	6H	18.5	19.4	19.3	20.2	21.1	18.5	19.4	19.3	20.2	21.1
	8H	18.6	19.4	19.4	20.2	21.2	18.6	19.4	19.4	20.2	21.2
	12H	18.7	19.4	19.5	20.3	21.3	18.7	19.4	19.5	20.3	21.3
4H	2H	16.6	17.5	17.3	18.3	19.3	16.6	17.5	17.3	18.3	19.3
	3H	18.2	19.0	19.0	19.9	20.8	18.2	19.0	19.0	19.9	20.8
	4H	18.9	19.7	19.8	20.5	21.5	18.9	19.7	19.8	20.5	21.5
	6H	19.5	20.2	20.3	21.0	22.0	19.5	20.2	20.3	21.0	22.0
	8H	19.6	20.2	20.5	21.1	22.1	19.6	20.2	20.5	21.1	22.1
	12H	19.8	20.3	20.7	21.2	22.2	19.8	20.3	20.7	21.2	22.2
8H	4H	19.2	19.7	20.0	20.6	21.6	19.2	19.7	20.0	20.6	21.6
	6H	19.8	20.3	20.7	21.2	22.2	19.8	20.3	20.7	21.2	22.2
	8H	20.1	20.5	21.0	21.4	22.5	20.1	20.5	21.0	21.4	22.5
	12H	20.3	20.7	21.2	21.6	22.7	20.3	20.7	21.2	21.6	22.7
12H	4H	19.2	19.7	20.1	20.6	21.7	19.2	19.7	20.1	20.6	21.7
	6H	19.9	20.4	20.8	21.2	22.3	19.9	20.4	20.8	21.2	22.3
	8H	20.2	20.6	21.1	21.5	22.6	20.2	20.6	21.1	21.5	22.6

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 886
C-planes	0°		
γ	Luminance in cd/m²		
45°	5204.6		
50°	5059.3		
55°	4909.0		
60°	4732.3		
65°	4517.7		
70°	4253.6		
75°	3936.5		
80°	3533.2		
85°	3018.3		

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Luminance values in cd/m²

γ 65°

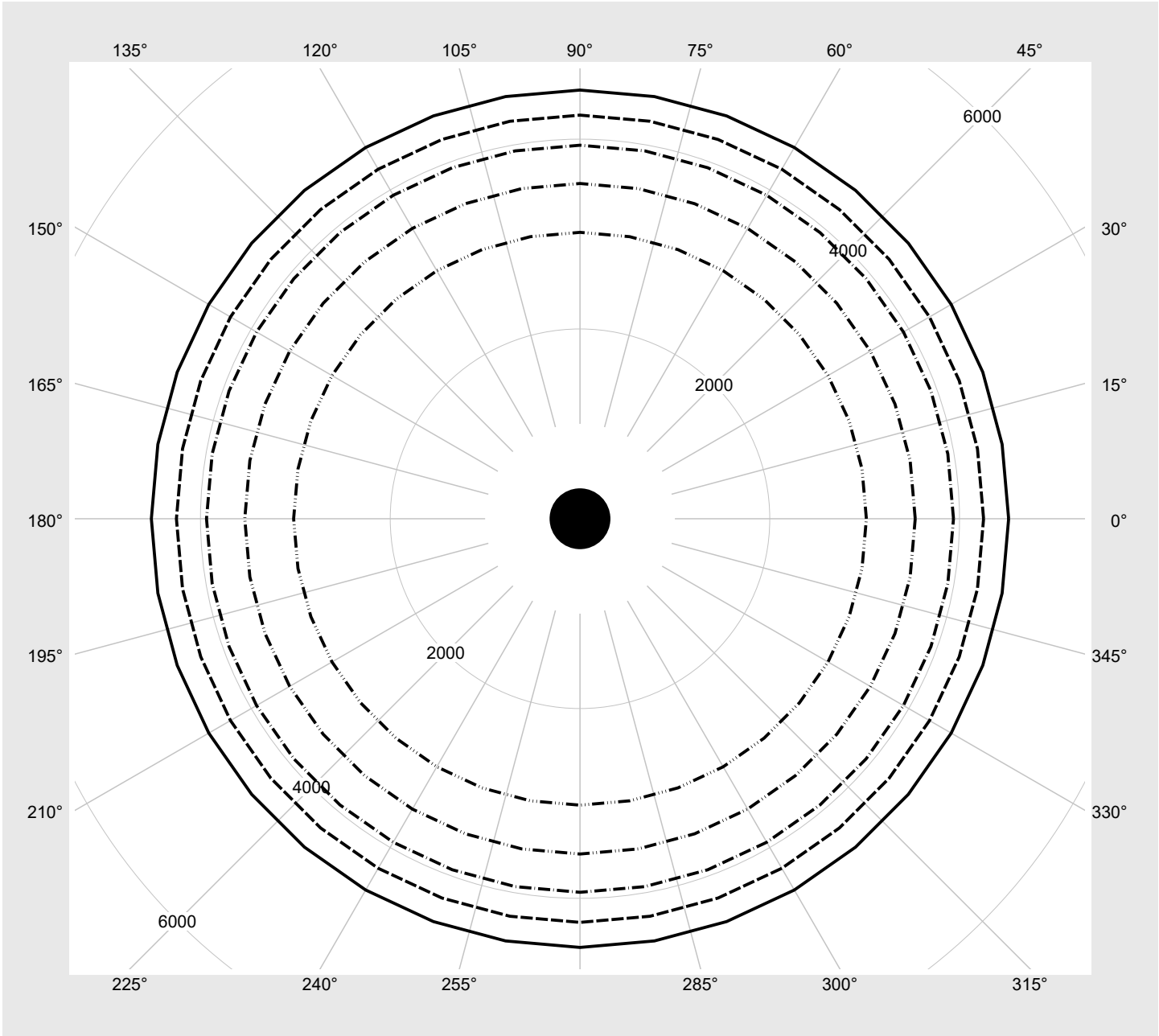
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14030	89.0
95	241	252	13319	84.6
90	228	250	12605	80.1
85	216	248	11946	75.9
80	203	246	11230	71.4
75	190	243	10511	66.9
70	178	241	9847	62.8
65	165	238	9126	58.4
60	152	235	8402	53.9
55	140	232	7734	49.8
50	127	229	7009	45.5
45	115	225	6336	41.4
40	102	221	5608	37.0
35	90	216	4934	33.0
30	77	210	4204	28.9
25	65	204	3527	25.0
20	52	196	2793	20.5
15	40	186	2115	16.2
10	27	172	1378	11.4
5	15	150	698	7.0
2	8	127	299	4.5