

## Lichttechnischer Prüfbefund

Familie  
Lunis® micro square

Bestell-Nr.: 51DE11CD3FF22  
EAN: 4058352107003

LP-Nummer  
56507\_63



**Ausführung** Prismenscheibe, Darklightreflektor  
hochglänzend, eng strahlend, UGR≤19

**Bestückung** LED 3000K / CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 2520 lm  
Systemleistung = 27.4 W  
Lichtausbeute = 92 lm/W

Seriendokumentation  
01.09.2017

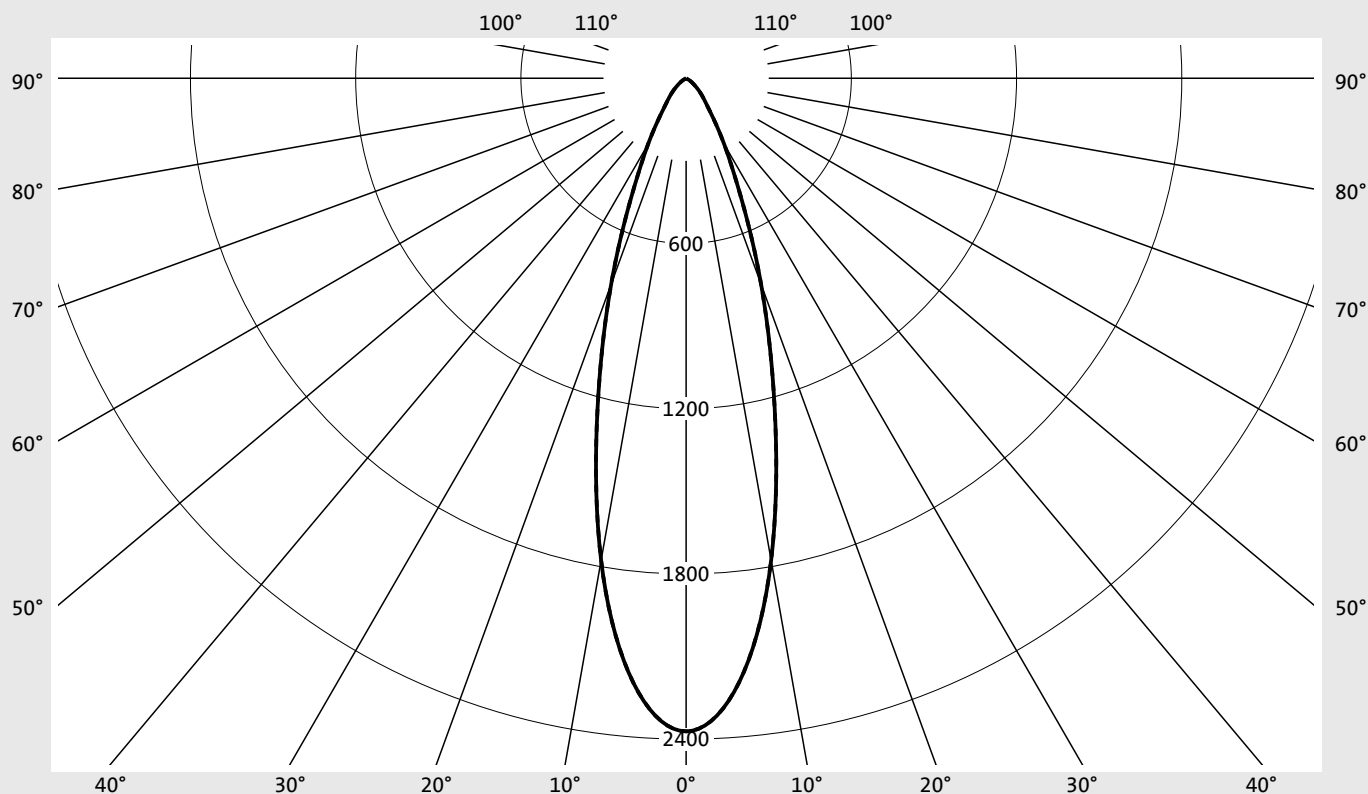
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 2372 cd/klm



## Klassifizierungen

DIN 5040 A 7 0  
CIE N1=92 N2=100 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

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

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°	2371.7	2371.7	2371.7	2371.7	2371.7	2371.7	2371.7	14.2	14.2
5°	2203.0	2205.7	2206.0	2203.9	2206.0	2205.7	2203.0	105.3	119.5
10°	1777.8	1770.1	1772.0	1783.2	1772.0	1770.1	1777.8	168.9	288.4
15°	1243.0	1250.3	1260.4	1273.3	1260.4	1250.3	1243.0	178.2	466.6
20°	795.8	812.9	826.1	835.5	826.1	812.9	795.8	153.4	620.0
25°	462.9	499.2	528.0	549.3	528.0	499.2	462.9	118.4	738.4
30°	275.9	297.5	328.4	368.6	328.4	297.5	275.9	86.6	825.1
35°	160.1	177.1	202.9	237.5	202.9	177.1	160.1	60.7	885.7
40°	103.3	115.1	131.0	151.1	131.0	115.1	103.3	43.8	929.6
45°	70.3	79.2	84.9	87.4	84.9	79.2	70.3	31.4	961.0
50°	42.4	49.2	51.7	49.8	51.7	49.2	42.4	20.6	981.5
55°	23.9	28.3	28.0	23.1	28.0	28.3	23.9	12.0	993.5
60°	10.9	12.0	10.7	7.0	10.7	12.0	10.9	5.0	998.5
65°	4.8	3.7	2.5	1.0	2.5	3.7	4.8	1.5	1000.0
70°	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	1000.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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<b>UGR-Tabelle</b>	<b>Standardraum</b>	<b>siteco</b>
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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	19,6	20,7	19,9	21,0	21,3	19,6	20,7	19,9	21,0	21,3
	3H	19,4	20,4	19,8	20,7	21,1	19,4	20,4	19,8	20,7	21,1
	4H	19,3	20,2	19,7	20,6	20,9	19,3	20,2	19,7	20,6	20,9
	6H	19,3	20,0	19,7	20,4	20,8	19,3	20,0	19,7	20,4	20,8
	8H	19,3	20,0	19,8	20,4	20,8	19,3	20,0	19,8	20,4	20,8
	12H	19,3	19,9	19,7	20,3	20,7	19,3	19,9	19,7	20,3	20,7
4H	2H	19,4	20,3	19,8	20,6	21,0	19,4	20,3	19,8	20,6	21,0
	3H	19,2	19,9	19,6	20,3	20,7	19,2	19,9	19,6	20,3	20,7
	4H	19,1	19,7	19,5	20,2	20,6	19,1	19,7	19,5	20,2	20,6
	6H	19,0	19,5	19,5	20,0	20,5	19,0	19,5	19,5	20,0	20,5
	8H	19,0	19,4	19,4	19,9	20,4	19,0	19,4	19,4	19,9	20,4
	12H	19,0	19,3	19,5	19,8	20,3	19,0	19,3	19,5	19,8	20,3
8H	4H	19,0	19,4	19,4	19,9	20,4	19,0	19,4	19,4	19,9	20,4
	6H	18,8	19,2	19,3	19,7	20,2	18,8	19,2	19,3	19,7	20,2
	8H	18,8	19,1	19,3	19,6	20,1	18,8	19,1	19,3	19,6	20,1
	12H	18,7	19,0	19,3	19,5	20,0	18,7	19,0	19,3	19,5	20,0
12H	4H	19,0	19,3	19,5	19,8	20,3	19,0	19,3	19,5	19,8	20,3
	6H	18,8	19,1	19,3	19,6	20,1	18,8	19,1	19,3	19,6	20,1
	8H	18,7	19,0	19,3	19,5	20,0	18,7	19,0	19,3	19,5	20,0

<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische Abmessungen in mm:</b>	<b>L = 82</b> <b>B = 82</b>
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C- Ebenen	$\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165°	150°	135°	120°	105°	
			195°	210°	225°	240°	255°	
			345°	330°	315°	300°	285°	
			Leuchtdichte in cd/m²					
45°		37242.5	41998.4	45017.3	46299.4	45017.3	41998.4	37242.5
50°		24710.8	28700.0	30146.6	29051.0	30146.6	28700.0	24710.8
55°		15614.4	18498.5	18323.4	15089.0	18323.4	18498.5	15614.4
60°		8146.2	8997.6	8030.7	5244.6	8030.7	8997.6	8146.2
65°		4276.1	3311.3	2185.1	899.2	2185.1	3311.3	4276.1
70°		0.0	0.0	83.3	249.8	83.3	0.0	0.0
75°		0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°		0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°		0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

