

## Lichttechnischer Prüfbefund

**Familie**  
**Lunis® micro square**

Bestell-Nr.: 51DE11CD3FF22 + 59DL1L0000G0000D0 + 59DL10000200E00DC

**LP-Nummer**

**EAN: 4058352107003 + 4058352030165 + 4058352127445**

**57966\_7**

**Ausführung** Prismenscheibe, Darklightreflektor  
hochglänzend, medium strahlend,  
Abdeckscheibe, IP54, satiniert

**Bestückung** LED 3000K / CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 2470 lm  
Systemleistung = 27.4 W  
Lichtausbeute = 90.1 lm/W

**Seriendokumentation**  
15.02.2018

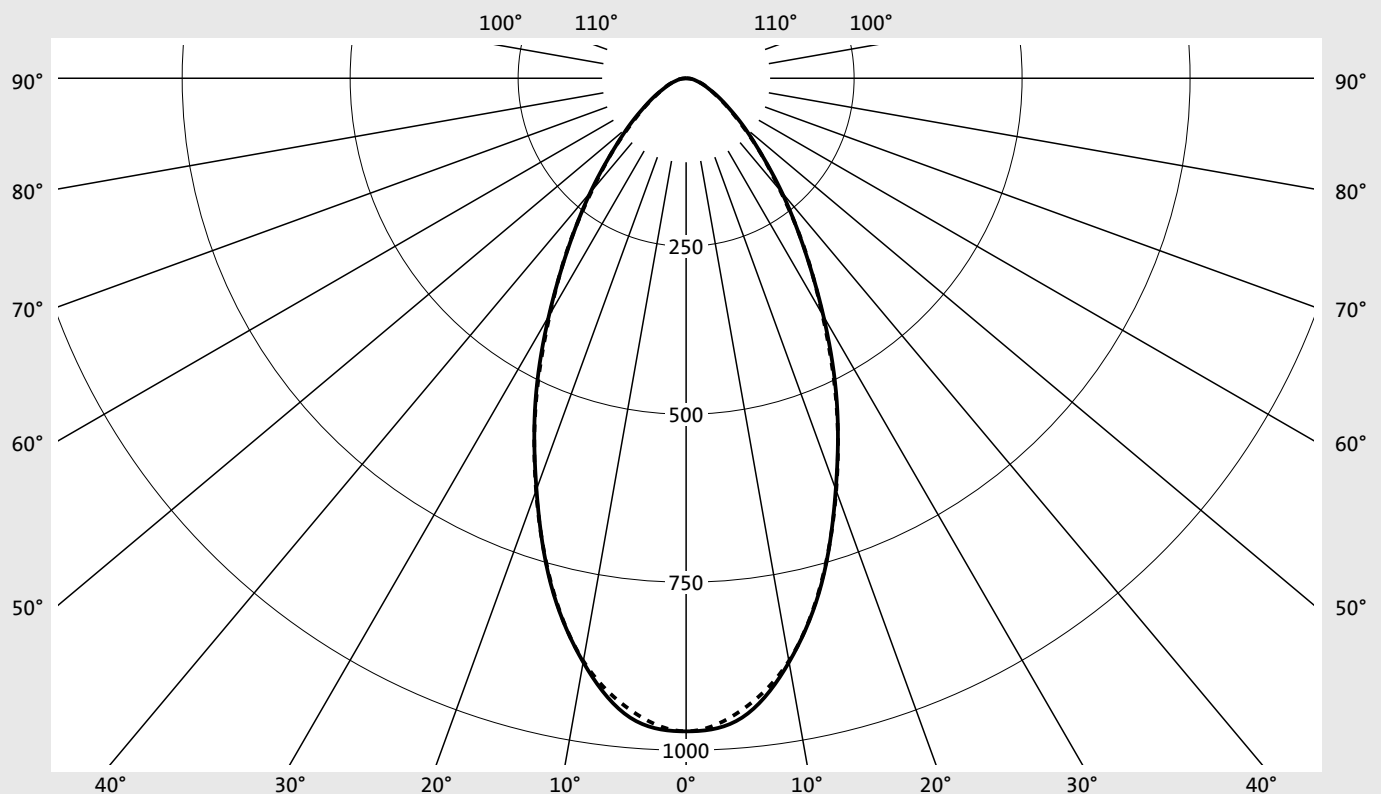
**siteco**

Lichtstärke in cd/klm

C180-0

C270-90

**Imax: 972 cd/klm**



**Klassifizierungen**

DIN 5040 A 6 0  
CIE N1=76 N2=93 N3=99  
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>
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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°	971.9	971.9	971.9	971.9	971.9	971.9	971.9	5.8	5.8
5°	955.1	951.3	949.9	946.4	948.3	944.5	944.2	45.3	51.1
10°	882.3	879.9	880.8	882.0	880.6	882.5	880.7	83.9	135.0
15°	778.6	777.9	775.0	780.1	777.9	781.8	777.1	110.4	245.4
20°	651.2	656.6	655.2	653.5	658.1	653.0	653.0	122.7	368.2
25°	530.5	528.3	529.0	531.8	528.4	524.0	528.1	122.4	490.6
30°	408.7	410.3	411.6	407.9	407.5	408.3	405.3	112.0	602.6
35°	303.3	306.8	308.1	308.7	307.4	301.9	304.9	96.3	698.9
40°	221.6	222.1	225.4	224.4	221.9	219.5	217.6	78.3	777.2
45°	156.4	157.9	160.2	160.7	158.8	156.1	156.0	61.4	838.5
50°	112.1	110.4	113.2	115.9	112.2	109.3	107.9	47.0	885.5
55°	78.1	78.0	79.9	81.1	80.3	76.4	76.3	35.4	920.9
60°	55.1	53.0	56.6	58.4	56.6	54.6	52.6	26.3	947.2
65°	37.3	37.8	40.2	39.5	39.6	38.6	38.2	19.3	966.5
70°	27.0	27.2	28.3	28.7	27.6	27.0	26.5	14.2	980.7
75°	17.0	18.8	19.1	19.6	19.5	17.9	17.9	9.9	990.6
80°	11.3	11.3	11.7	12.7	12.0	11.1	11.6	6.3	997.0
85°	5.4	5.4	5.6	5.8	6.0	5.2	5.0	3.0	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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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	24,6	26,0	25,0	26,3	26,6	24,6	25,9	24,9	26,3	26,6
	3H	25,2	26,4	25,5	26,7	27,1	25,1	26,3	25,5	26,7	27,0
	4H	25,4	26,5	25,8	26,8	27,2	25,3	26,5	25,7	26,8	27,2
	6H	25,6	26,6	26,0	26,9	27,3	25,5	26,5	25,9	26,9	27,3
	8H	25,7	26,6	26,1	27,0	27,4	25,7	26,6	26,1	27,0	27,4
	12H	25,8	26,6	26,2	27,0	27,4	25,7	26,6	26,2	26,9	27,4
4H	2H	24,9	26,0	25,3	26,4	26,7	24,9	26,0	25,2	26,3	26,7
	3H	25,6	26,5	26,0	26,9	27,3	25,5	26,5	26,0	26,9	27,3
	4H	25,9	26,7	26,3	27,1	27,6	25,9	26,7	26,3	27,1	27,5
	6H	26,2	26,9	26,6	27,3	27,8	26,1	26,9	26,6	27,3	27,8
	8H	26,3	26,9	26,8	27,4	27,9	26,3	26,9	26,7	27,3	27,8
	12H	26,4	26,9	26,9	27,4	27,9	26,4	26,9	26,9	27,4	27,9
8H	4H	26,0	26,7	26,5	27,1	27,6	26,0	26,6	26,5	27,1	27,6
	6H	26,4	26,9	26,9	27,4	27,9	26,4	26,9	26,9	27,4	27,9
	8H	26,6	27,0	27,1	27,5	28,0	26,5	27,0	27,0	27,5	28,0
	12H	26,7	27,1	27,2	27,6	28,1	26,7	27,1	27,2	27,6	28,1
12H	4H	26,1	26,6	26,6	27,1	27,6	26,0	26,6	26,5	27,0	27,5
	6H	26,5	26,9	27,0	27,4	27,9	26,4	26,9	27,0	27,4	27,9
	8H	26,7	27,0	27,2	27,5	28,1	26,6	27,0	27,2	27,5	28,1

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$		Lichttechnische Abmessungen in mm:		L = 82 B = 82		
C-Ebenen	$\gamma$	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
		Leuchtdichte in cd/m <sup>2</sup>						
45°		81245.9	82012.7	83227.8	83466.3	82508.3	81074.5	81022.0
50°		64039.6	63095.5	64698.5	66258.1	64117.3	62452.6	61675.9
55°		50024.7	49952.3	51151.9	51962.7	51440.7	48919.3	48868.7
60°		40516.2	38944.7	41558.0	42881.2	41552.1	40121.0	38672.9
65°		32412.6	32852.4	34920.2	34298.7	34390.9	33559.0	33200.9
70°		28998.9	29172.9	30377.9	30794.7	29627.2	29003.2	28458.6
75°		24072.7	26728.2	27124.2	27751.5	27725.9	25428.1	25418.2
80°		23959.4	23940.3	24729.4	26849.1	25448.6	23525.7	24536.9
85°		22726.0	22582.7	23505.7	24281.3	25351.8	22060.1	21078.0

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

