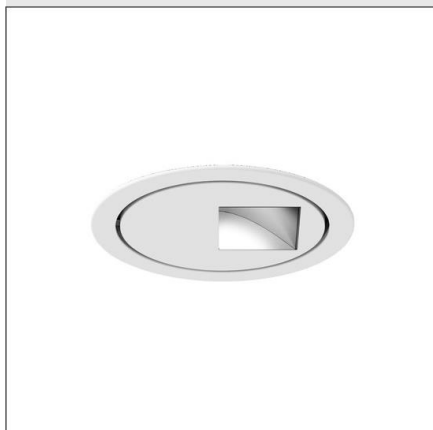


## Lichttechnischer Prüfbefund

**Familie**  
Lunis mini round

**Bestell-Nr.:** 51DK11B72WN21  
**EAN:** 4058352132302

**LP-Nummer**  
57410\_5



**Ausführung** Wallwasher, Reflektor, Alu, direkt, asymmetrisch strahlend  
**Bestückung** 1 x LED 4000K / CRI ≥ 90 (unbekannt LED 4000K / CRI = 90)  
**Betriebsgerät** EVG  
**Bemessungswerte** Nettolichtstrom = 2120 lm  
Systemleistung = 28.1 W  
Lichtausbeute = 75.4 lm/W

**Seriendokumentation**  
16.02.2017

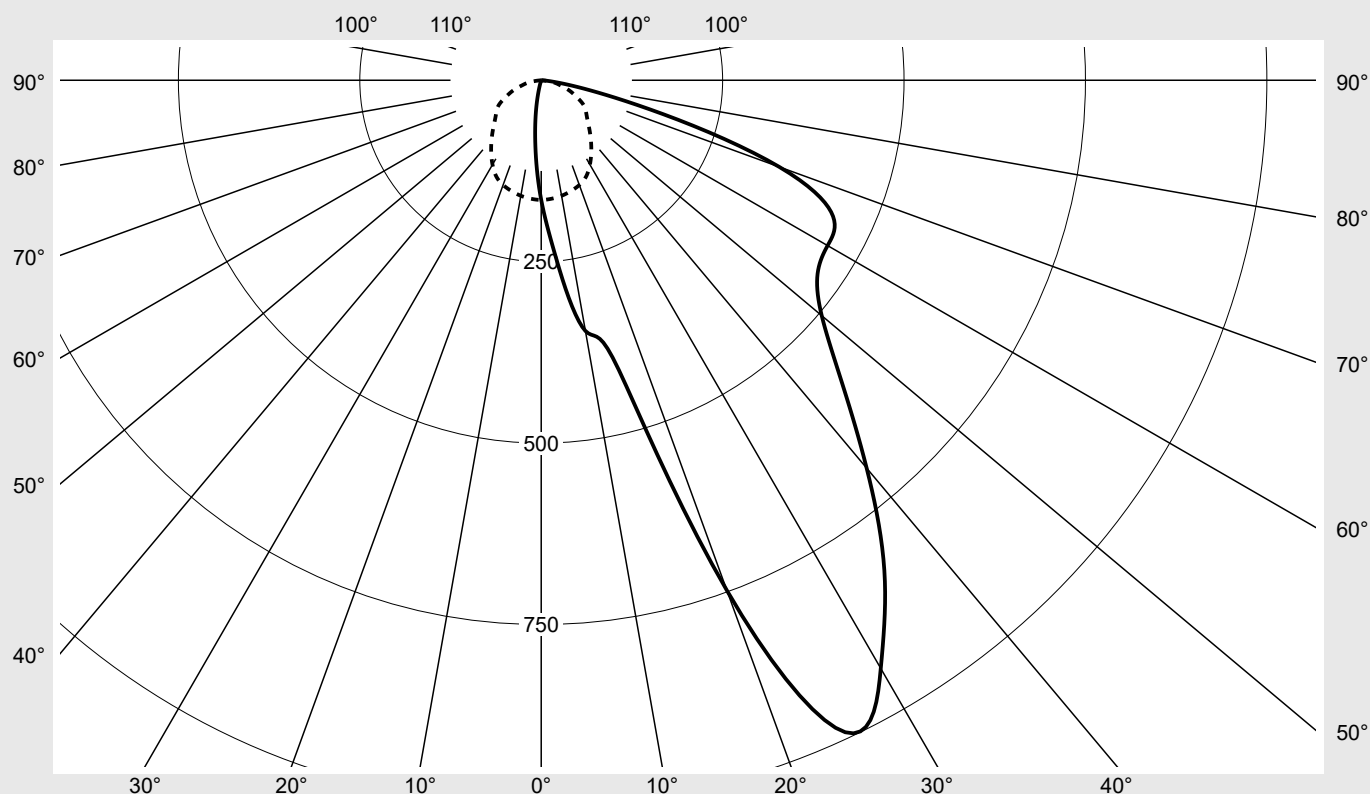
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 991 cd/klm



## Klassifizierungen

DIN 5040 A 3 0  
CIE N1=44 N2=77 N3=97  
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> Lunis mini round	<b>Bestell-Nr.: 51DK11B72WN21</b> <b>EAN: 4058352132302</b>	<b>LP-Nummer</b> <b>57410_5</b>
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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>sitEco</b>
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C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	Lichtstärke in cd/klm						
0°	164.9	164.9	164.9	164.9	164.9	164.9	164.9
5°	250.7	237.9	206.4	200.9	187.3	180.1	163.9
10°	350.8	344.2	319.8	297.2	230.3	188.8	161.6
15°	413.3	393.4	363.3	348.0	295.6	198.8	158.1
20°	748.3	695.8	529.4	381.5	330.4	237.3	153.6
25°	991.4	962.5	826.6	587.0	343.4	265.0	146.4
30°	935.9	953.0	958.5	814.4	419.8	266.7	134.2
35°	824.4	833.4	861.9	890.8	516.1	258.3	120.3
40°	697.7	708.9	748.3	778.2	575.9	244.8	106.4
45°	584.6	589.8	622.9	619.4	559.9	242.8	93.5
50°	504.7	501.1	508.7	462.5	466.3	252.0	82.9
55°	465.0	452.7	427.2	353.5	364.4	257.1	75.3
60°	455.7	436.7	383.9	300.2	276.5	243.0	67.0
65°	443.8	426.6	377.7	273.5	207.2	183.8	53.3
70°	349.1	358.4	344.5	249.3	157.4	124.7	41.1
75°	155.0	172.9	191.7	176.7	126.2	88.8	27.5
80°	44.0	47.3	53.3	59.3	68.5	56.6	17.7
85°	7.1	9.0	12.2	11.7	15.2	15.0	3.0
90°	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
100°	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
110°	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
120°	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
130°	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
140°	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
150°	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
160°	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
170°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Lunis mini round	<b>Bestell-Nr.: 51DK11B72WN21</b> <b>EAN: 4058352132302</b>	<b>LP-Nummer</b> 57410_5
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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>sitEco</b>
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C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
$\gamma$	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	164.9	164.9	164.9	164.9	164.9	164.9	1.0	1.0
5°	140.6	115.3	105.2	94.4	92.7	91.9	7.5	8.5
10°	114.6	86.7	66.6	47.9	41.9	40.2	16.6	25.2
15°	97.4	58.2	32.9	14.1	9.5	8.7	25.8	50.9
20°	82.0	33.4	9.5	0.8	0.0	0.5	44.2	95.1
25°	64.3	13.1	0.5	0.0	0.0	0.0	71.5	166.6
30°	45.7	3.8	0.0	0.0	0.0	0.0	92.8	259.4
35°	29.1	0.3	0.0	0.0	0.0	0.0	102.8	362.2
40°	15.6	0.3	0.0	0.0	0.0	0.0	103.6	465.8
45°	7.3	0.0	0.0	0.0	0.0	0.0	97.8	563.6
50°	2.6	0.0	0.0	0.0	0.0	0.0	88.5	652.0
55°	1.3	0.0	0.0	0.0	0.0	0.0	81.0	733.0
60°	1.1	0.0	0.0	0.0	0.0	0.0	76.6	809.6
65°	0.9	0.0	0.0	0.0	0.0	0.0	72.2	881.8
70°	0.8	0.0	0.0	0.0	0.0	0.0	62.3	944.1
75°	0.7	0.0	0.0	0.0	0.0	0.0	38.0	982.1
80°	0.6	0.0	0.0	0.0	0.0	0.0	14.6	996.8
85°	0.5	0.0	0.0	0.0	0.0	0.0	3.2	1000.0
90°	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	1000.0
100°	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	1000.0
110°	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	1000.0
120°	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	1000.0
130°	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	1000.0
140°	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	1000.0
150°	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	1000.0
160°	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	1000.0
170°	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	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Lunis mini round	<b>Bestell-Nr.: 51DK11B72WN21</b> <b>EAN: 4058352132302</b>	<b>LP-Nummer</b> 57410_5
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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	
<b>Raumabmessungen</b>	<b>Blickrichtung quer zur Leuchte (C0)</b>					<b>Blickrichtung längs zur Leuchte (C90)</b>					
x	y										
2H	2H	37,3	39,1	37,7	39,4	39,7	31,1	32,9	31,5	33,2	33,5
	3H	39,9	41,5	40,3	41,8	42,2	32,0	33,6	32,4	34,0	34,3
	4H	40,5	41,9	40,9	42,3	42,6	32,3	33,8	32,7	34,2	34,6
	6H	40,6	41,9	41,0	42,3	42,7	32,5	33,9	32,9	34,3	34,7
	8H	40,6	41,8	41,0	42,2	42,6	32,5	33,9	32,9	34,3	34,7
	12H	40,6	41,8	41,1	42,2	42,6	32,5	33,8	32,9	34,2	34,6
4H	2H	37,9	39,4	38,2	39,7	40,1	32,6	34,1	33,0	34,4	34,8
	3H	40,7	42,0	41,2	42,4	42,8	33,8	35,1	34,3	35,5	35,9
	4H	41,4	42,5	41,8	42,9	43,4	34,3	35,4	34,7	35,8	36,3
	6H	41,6	42,5	42,0	43,0	43,4	34,7	35,6	35,1	36,1	36,5
	8H	41,6	42,5	42,0	42,9	43,4	34,7	35,6	35,2	36,1	36,6
	12H	41,6	42,4	42,1	42,8	43,3	34,7	35,6	35,2	36,0	36,5
8H	4H	41,5	42,5	42,0	42,9	43,4	35,3	36,2	35,8	36,6	37,1
	6H	41,8	42,5	42,2	43,0	43,5	35,7	36,5	36,2	37,0	37,5
	8H	41,8	42,4	42,3	42,9	43,4	35,9	36,5	36,4	37,0	37,5
	12H	41,8	42,3	42,3	42,8	43,4	35,9	36,5	36,4	37,0	37,5
12H	4H	41,6	42,4	42,0	42,9	43,3	35,4	36,1	35,9	36,6	37,1
	6H	41,8	42,4	42,3	42,9	43,4	35,8	36,5	36,3	36,9	37,5
	8H	41,8	42,4	42,3	42,9	43,4	36,0	36,5	36,5	37,0	37,6

<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische Abmessungen in mm:</b>	<b>L = 68</b>	<b>B = 54</b>
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C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
$\gamma$	<b>Leuchtdichte in cd/m²</b>												
45°	477314.7	481531.8	508614.6	505729.1	457109.9	198231.9	76369.9	5949.7	0.0	0.0	0.0	0.0	0.0
50°	453272.5	450098.4	456936.2	415419.4	418836.1	226344.4	74438.9	2368.5	0.0	0.0	0.0	0.0	0.0
55°	468005.5	455692.2	429963.4	355797.6	366745.0	258749.6	75757.1	1286.4	0.0	0.0	0.0	0.0	0.0
60°	526204.6	504230.9	443316.7	346615.4	319301.3	280619.4	77360.4	1256.3	0.0	0.0	0.0	0.0	0.0
65°	606211.6	582806.1	515947.4	373676.9	283050.7	251105.6	72767.1	1262.3	0.0	0.0	0.0	0.0	0.0
70°	589330.2	604944.6	581533.2	420884.6	265744.0	210580.7	69307.4	1377.4	0.0	0.0	0.0	0.0	0.0
75°	345712.8	385762.4	427607.7	394245.6	281424.6	197972.7	61321.3	1456.6	0.0	0.0	0.0	0.0	0.0
80°	146453.2	157302.0	177187.5	197076.4	227813.9	188308.9	58762.2	1898.4	0.0	0.0	0.0	0.0	0.0
85°	46833.5	59439.5	81054.4	77450.8	100860.9	99423.5	19634.3	3239.3	0.0	0.0	0.0	0.0	0.0

**Lichttechnischer Prüfbefund**

<b>Familie</b> Lunis mini round	<b>Bestell-Nr.:</b> 51DK11B72WN21 <b>EAN:</b> 4058352132302	<b>LP-Nummer</b> 57410_5
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**Leuchtdichten in cd/m<sup>2</sup>**
γ 65°
γ 70°
γ 75°
γ 80°
γ 85°
siteco

