

## Lichttechnischer Prüfbefund

**Familie**  
**Batten 41**

**Bestell-Nr.: 0LJ211718830N**  
**EAN: 4052899932814**

**LP-Nummer**  
**55388\_1**



**Ausführung** LUMILUX® Combi LED-N, Anschlussleitung mit Euro-Flachstecker und Schalter, Abdeckung, satiniert, PC

**Bestückung** LED 3000K / CRI ≥ 80

**Betriebsgerät** EVG

**Bemessungswerte** Nettolichtstrom = 1800 lm  
Systemleistung = 18.0 W  
Lichtausbeute = 100 lm/W

**Seriendokumentation**  
**06.05.2015**

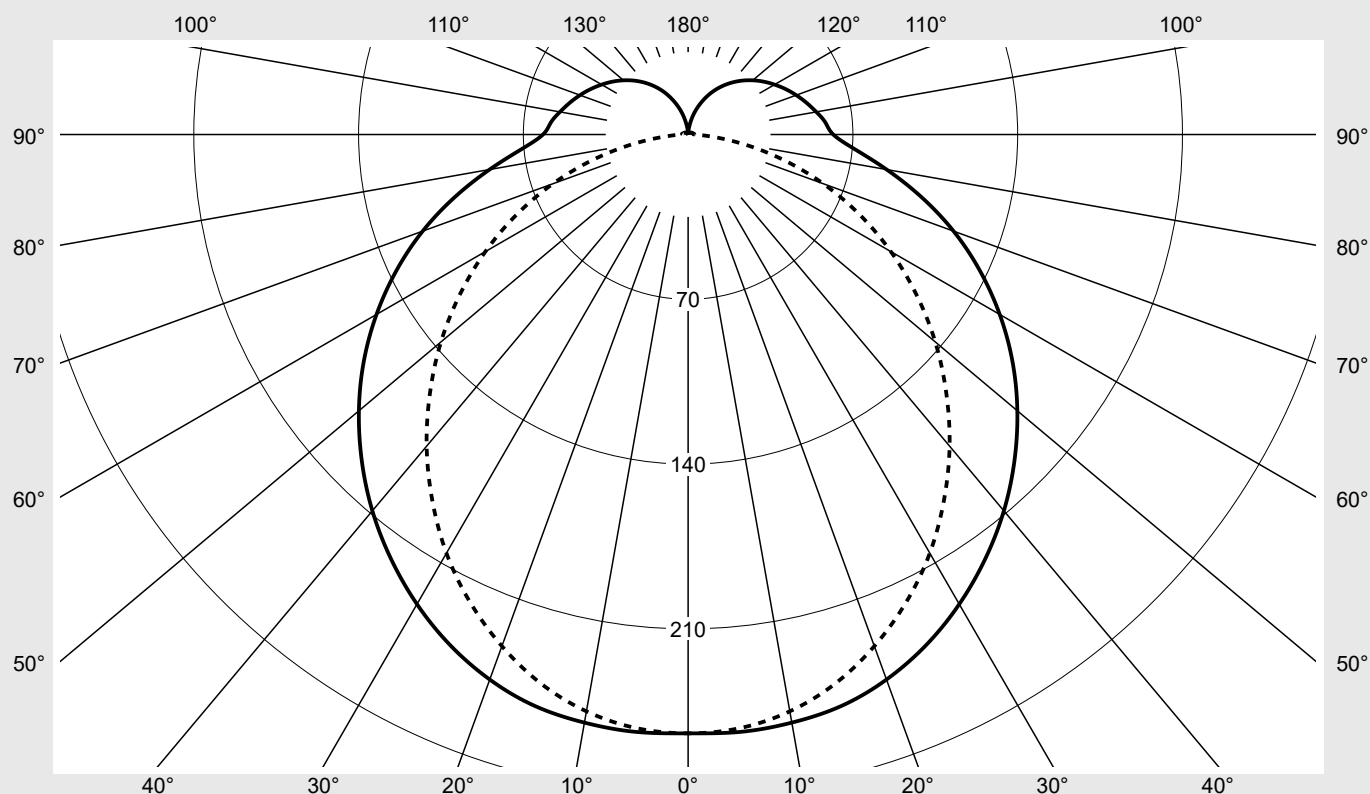
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 255 cd/klm**



**Klassifizierungen**

DIN 5040 B 3 1  
CIE N1=41 N2=71 N3=90  
N4=85 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  84,6%  
 $\phi_o$  15,4%

**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° 165°	30° 150°	45° 135°	60° 120°	75° 105°	90°
$\gamma$	Lichtstärke in cd/klm						
0°	254.4	254.4	254.4	254.4	254.4	254.4	254.4
5°	254.7	254.6	254.4	253.7	253.4	253.1	253.1
10°	253.7	253.7	252.8	251.7	250.0	249.0	248.8
15°	251.3	250.8	249.5	247.5	244.9	242.3	241.5
20°	246.4	245.6	243.7	240.8	237.1	233.4	231.3
25°	239.3	238.6	235.8	232.1	227.1	222.2	219.2
30°	230.4	229.2	226.1	221.2	215.2	208.8	205.4
35°	220.1	218.9	215.1	209.1	201.8	194.1	189.5
40°	208.7	207.0	202.5	195.5	187.5	178.4	172.8
45°	196.1	194.1	189.2	181.2	171.7	161.6	155.1
50°	182.6	180.6	174.8	166.1	155.4	144.3	137.1
55°	168.2	166.3	159.6	150.1	138.6	126.6	118.3
60°	152.9	150.7	143.7	133.4	121.2	108.3	99.4
65°	136.7	134.4	127.2	116.3	103.5	89.8	80.3
70°	120.0	117.4	110.0	98.8	85.4	71.0	61.1
75°	102.6	100.0	92.6	81.2	67.5	52.5	42.2
80°	85.6	83.3	75.7	64.4	50.5	35.3	24.5
85°	71.0	68.5	61.2	50.0	36.1	20.8	9.9
90°	61.7	59.3	52.3	41.7	28.3	13.5	2.9
95°	58.5	56.4	49.9	39.8	26.8	12.4	2.6
100°	55.3	53.4	47.3	37.7	25.4	11.7	2.3
105°	52.1	50.3	44.7	35.6	23.9	10.9	2.2
110°	48.9	47.3	42.0	33.5	22.5	10.3	2.0
115°	45.7	44.2	39.3	31.4	21.1	9.6	1.8
120°	42.4	41.1	36.4	29.3	19.6	8.7	1.7
125°	39.2	37.9	33.6	27.0	18.0	7.9	1.5
130°	35.8	34.6	30.8	24.6	16.3	7.1	1.4
135°	32.4	31.3	27.8	22.1	14.6	6.3	1.2
140°	28.8	27.8	24.6	19.5	12.7	5.3	1.1
145°	25.0	24.2	21.4	16.8	10.8	4.4	0.9
150°	21.1	20.4	17.9	13.9	8.9	3.5	0.8
155°	17.0	16.3	14.3	11.1	7.0	2.4	0.6
160°	12.8	12.4	10.8	8.2	4.9	1.6	0.5
165°	8.8	8.4	7.2	5.3	2.8	1.1	0.4
170°	4.7	4.5	3.7	2.5	1.5	0.6	0.3
175°	1.5	1.5	1.2	0.9	0.6	0.3	0.2
180°	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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C- Ebenen	195° 345°	210° 330°	225° 315°	240° 300°	255° 285°	270°	Phi-Zone	Summe Phi-Zone
$\gamma$	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	254.4	254.4	254.4	254.4	254.4	254.4	1.5	1.5
5°	254.6	254.4	253.7	253.4	253.1	253.1	12.1	13.6
10°	253.7	252.8	251.7	250.0	249.0	248.8	23.9	37.6
15°	250.8	249.5	247.5	244.9	242.3	241.5	35.0	72.6
20°	245.6	243.7	240.8	237.1	233.4	231.3	45.0	117.6
25°	238.6	235.8	232.1	227.1	222.2	219.2	53.5	171.1
30°	229.2	226.1	221.2	215.2	208.8	205.4	60.2	231.3
35°	218.9	215.1	209.1	201.8	194.1	189.5	65.2	296.5
40°	207.0	202.5	195.5	187.5	178.4	172.8	68.2	364.7
45°	194.1	189.2	181.2	171.7	161.6	155.1	69.3	434.0
50°	180.6	174.8	166.1	155.4	144.3	137.1	68.7	502.7
55°	166.3	159.6	150.1	138.6	126.6	118.3	66.2	568.8
60°	150.7	143.7	133.4	121.2	108.3	99.4	62.0	630.8
65°	134.4	127.2	116.3	103.5	89.8	80.3	56.3	687.1
70°	117.4	110.0	98.8	85.4	71.0	61.1	49.2	736.3
75°	100.0	92.6	81.2	67.5	52.5	42.2	41.1	777.5
80°	83.3	75.7	64.4	50.5	35.3	24.5	32.8	810.2
85°	68.5	61.2	50.0	36.1	20.8	9.9	25.2	835.4
90°	59.3	52.3	41.7	28.3	13.5	2.9	20.8	856.2
95°	56.4	49.9	39.8	26.8	12.4	2.6	19.6	875.9
100°	53.4	47.3	37.7	25.4	11.7	2.3	18.4	894.2
105°	50.3	44.7	35.6	23.9	10.9	2.2	17.0	911.2
110°	47.3	42.0	33.5	22.5	10.3	2.0	15.5	926.8
115°	44.2	39.3	31.4	21.1	9.6	1.8	14.0	940.8
120°	41.1	36.4	29.3	19.6	8.7	1.7	12.4	953.2
125°	37.9	33.6	27.0	18.0	7.9	1.5	10.8	964.0
130°	34.6	30.8	24.6	16.3	7.1	1.4	9.2	973.3
135°	31.3	27.8	22.1	14.6	6.3	1.2	7.7	981.0
140°	27.8	24.6	19.5	12.7	5.3	1.1	6.2	987.1
145°	24.2	21.4	16.8	10.8	4.4	0.9	4.7	991.9
150°	20.4	17.9	13.9	8.9	3.5	0.8	3.5	995.3
155°	16.3	14.3	11.1	7.0	2.4	0.6	2.3	997.6
160°	12.4	10.8	8.2	4.9	1.6	0.5	1.4	999.0
165°	8.4	7.2	5.3	2.8	1.1	0.4	0.7	999.7
170°	4.5	3.7	2.5	1.5	0.6	0.3	0.2	999.9
175°	1.5	1.2	0.9	0.6	0.3	0.2	0.0	1000.0
180°	0.1	0.1	0.1	0.1	0.1	0.1	0.0	1000.0

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
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>2H</b>	<b>2H</b>	19,6	21,2	20,1	21,7	22,2	19,2	20,7	19,7	21,2	21,8
	<b>3H</b>	21,5	22,9	22,0	23,4	24,0	20,7	22,2	21,2	22,7	23,2
	<b>4H</b>	22,3	23,6	22,8	24,1	24,7	21,2	22,6	21,8	23,1	23,7
	<b>6H</b>	23,0	24,2	23,6	24,7	25,4	21,6	22,8	22,1	23,4	24,0
	<b>8H</b>	23,4	24,5	23,9	25,1	25,7	21,7	22,9	22,3	23,5	24,1
	<b>12H</b>	23,6	24,7	24,2	25,3	26,0	21,7	22,8	22,3	23,4	24,1
<b>4H</b>	<b>2H</b>	20,3	21,6	20,8	22,1	22,7	19,9	21,2	20,5	21,7	22,4
	<b>3H</b>	22,3	23,4	22,9	24,0	24,6	21,6	22,7	22,2	23,3	23,9
	<b>4H</b>	23,3	24,3	23,9	24,9	25,5	22,3	23,3	22,9	23,9	24,6
	<b>6H</b>	24,1	25,0	24,7	25,6	26,4	22,7	23,6	23,3	24,2	25,0
	<b>8H</b>	24,6	25,4	25,2	26,0	26,8	22,9	23,7	23,5	24,4	25,1
	<b>12H</b>	24,9	25,6	25,6	26,3	27,1	22,9	23,7	23,6	24,3	25,1
<b>8H</b>	<b>4H</b>	23,5	24,4	24,2	25,0	25,7	22,7	23,5	23,3	24,1	24,8
	<b>6H</b>	24,6	25,3	25,3	26,0	26,7	23,3	24,0	24,0	24,7	25,5
	<b>8H</b>	25,2	25,8	25,8	26,5	27,2	23,6	24,2	24,3	24,9	25,7
	<b>12H</b>	25,7	26,2	26,4	26,9	27,7	23,7	24,2	24,4	24,9	25,7
<b>12H</b>	<b>4H</b>	23,5	24,3	24,2	24,9	25,7	22,7	23,4	23,3	24,1	24,8
	<b>6H</b>	24,6	25,3	25,3	25,9	26,7	23,4	24,0	24,1	24,7	25,5
	<b>8H</b>	25,2	25,8	25,9	26,5	27,3	23,7	24,3	24,4	25,0	25,8

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$												
		Lichttechnische Abmessungen in mm:										L = 1220	H(C0) = 16	H(C180) = 16
												B = 25	H(C90) = 23	H(C270) = 30
C-Ebenen	$0^\circ$ $180^\circ$	$15^\circ$ $165^\circ$	$30^\circ$ $150^\circ$	$45^\circ$ $135^\circ$	$60^\circ$ $120^\circ$	$75^\circ$ $105^\circ$	$90^\circ$	$195^\circ$ $345^\circ$	$210^\circ$ $330^\circ$	$225^\circ$ $315^\circ$	$240^\circ$ $300^\circ$	$255^\circ$ $285^\circ$	$270^\circ$	
$\gamma$	Leuchtdichte in $\text{cd/m}^2$													
<b>45°</b>	9977.5	9980.6	10098.2	10316.8	10722.7	11391.3	12702.3	9971.4	10079.7	10288.3	10683.0	11338.2	12631.1	
<b>50°</b>	9509.6	9517.3	9602.1	9803.0	10185.6	10869.8	12306.7	9507.7	9582.5	9772.6	10142.8	10811.2	12224.9	
<b>55°</b>	9043.8	9052.0	9097.4	9271.3	9635.7	10313.3	11852.8	9041.8	9076.8	9239.1	9589.7	10249.1	11759.0	
<b>60°</b>	8556.6	8552.3	8585.2	8714.2	9039.8	9692.1	11366.5	8541.7	8563.6	8680.4	8990.9	9622.0	11258.2	
<b>65°</b>	8048.2	8034.5	8043.5	8123.2	8395.2	8997.6	10777.7	8023.6	8021.2	8088.0	8343.6	8921.5	10651.8	
<b>70°</b>	7506.6	7472.3	7445.1	7478.0	7655.5	8143.6	10023.3	7461.0	7422.2	7441.6	7601.6	8062.1	9875.3	
<b>75°</b>	6903.1	6859.8	6800.3	6759.0	6826.3	7105.2	8996.6	6848.4	6776.9	6721.9	6770.7	7019.1	8820.1	
<b>80°</b>	6287.1	6247.3	6132.5	6004.8	5901.0	5874.5	7526.3	6235.7	6108.9	5967.1	5844.3	5785.5	7311.4	
<b>85°</b>	5780.8	5708.6	5568.1	5351.0	5046.6	4546.2	5499.1	5696.7	5543.7	5312.1	4988.1	4455.3	5217.5	

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**Leuchtdichten in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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**siteco**

