

## Lichttechnischer Prüfbefund

Familie  
Monsun® 31

Bestell-Nr.: 51FA207K430B  
EAN: 4058352419519

LP-Nummer  
59096\_1



**Ausführung** diffus strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG  
**Bemessungswerte** Nettolichtstrom = 3000 lm  
Systemleistung = 22.0 W  
Lichtausbeute = 136.4 lm/W

Seriendokumentation  
24.11.2020

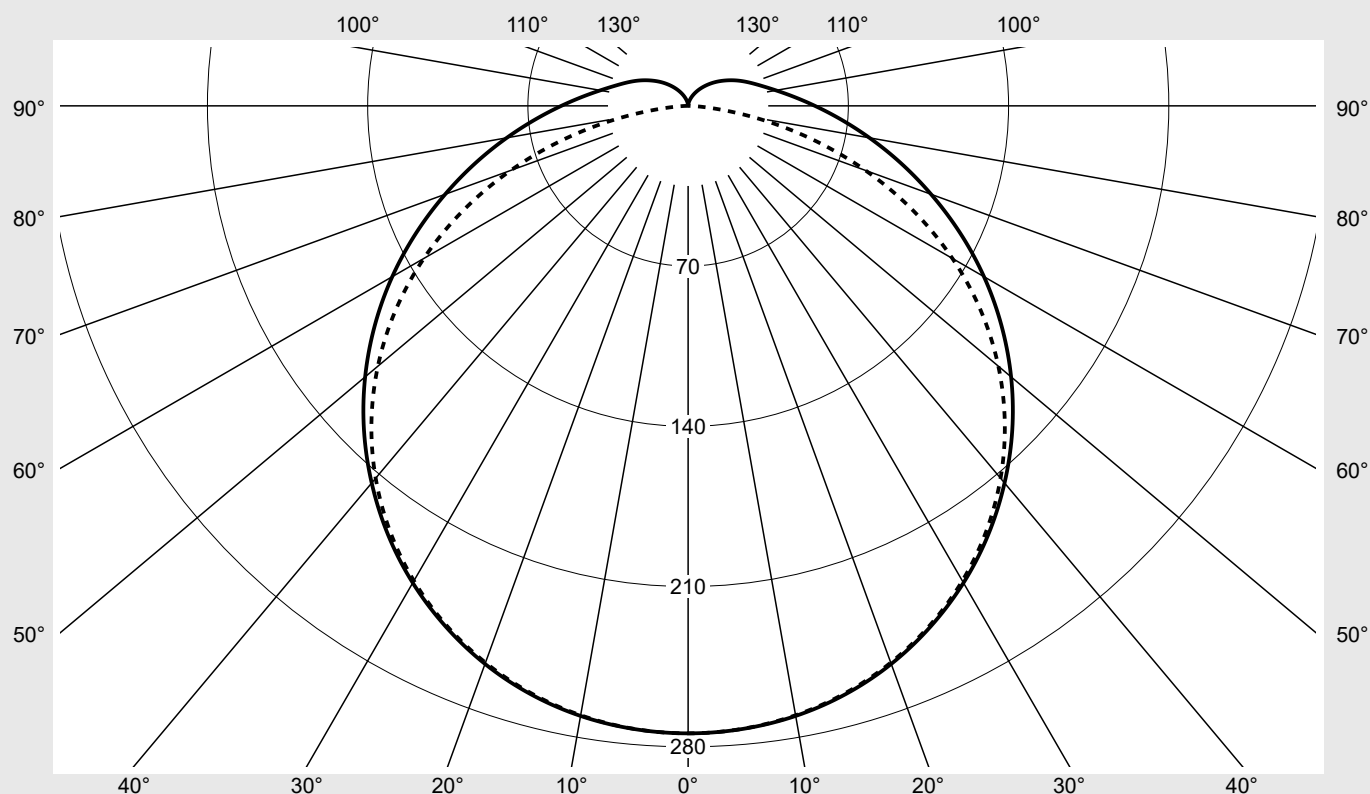
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 274 cd/klm



## Klassifizierungen

DIN 5040 A 3 1  
CIE N1=42 N2=72 N3=91  
N4=91 N5=100

## Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  91,5%  
 $\phi_o$  8,5%

## Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Monsun® 31</b>	<b>Bestell-Nr.: 51FA207K430B</b> <b>EAN: 4058352419519</b>	<b>LP-Nummer</b> <b>59096_1</b>
<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°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	1.6	1.6
5°	273.2	273.3	273.2	273.2	273.2	273.2	273.2	13.1	14.7
10°	270.6	270.6	270.6	270.5	270.4	270.3	270.3	25.7	40.4
15°	266.0	266.0	266.0	266.0	265.8	265.6	265.6	37.7	78.2
20°	259.5	259.5	259.5	259.5	259.3	259.0	258.8	48.6	126.8
25°	250.9	251.0	251.0	251.1	250.9	250.5	250.2	58.1	184.9
30°	240.6	240.7	240.8	240.8	240.6	240.0	239.6	65.9	250.8
35°	228.6	228.7	228.8	228.8	228.4	227.6	227.0	71.8	322.6
40°	215.1	215.1	215.2	215.0	214.4	213.2	212.4	75.6	398.1
45°	200.3	200.3	200.1	199.6	198.6	196.9	195.7	77.1	475.2
50°	184.2	184.1	183.7	182.8	181.1	178.6	176.9	76.3	551.6
55°	167.1	166.9	166.1	164.5	161.9	158.4	156.2	73.3	624.9
60°	149.3	148.9	147.5	145.0	141.2	136.4	133.3	68.1	692.9
65°	131.0	130.3	128.2	124.6	119.3	112.8	108.7	60.9	753.8
70°	113.0	112.0	108.9	103.7	96.6	88.0	82.5	52.1	805.9
75°	96.0	94.7	90.5	83.5	74.0	62.9	55.7	42.5	848.4
80°	80.5	78.8	73.9	65.2	53.2	39.2	29.8	32.9	881.2
85°	66.8	65.0	59.5	50.0	36.5	20.0	8.7	24.5	905.7
90°	55.4	53.5	47.9	38.3	24.9	9.6	0.2	18.5	924.1
95°	46.2	44.4	39.0	30.1	18.3	6.1	0.2	14.7	938.8
100°	39.0	37.3	32.5	24.7	14.8	4.7	0.2	12.0	950.8
105°	33.5	32.0	27.8	21.0	12.5	3.8	0.2	10.1	960.9
110°	29.3	28.0	24.2	18.2	10.5	3.2	0.2	8.5	969.4
115°	25.7	24.5	21.1	15.7	9.0	2.7	0.2	7.1	976.5
120°	22.4	21.3	18.2	13.4	7.6	2.4	0.3	5.9	982.4
125°	19.2	18.3	15.6	11.4	6.4	2.1	0.3	4.8	987.1
130°	16.4	15.6	13.2	9.6	5.4	1.8	0.3	3.8	990.9
135°	13.7	13.0	11.0	8.0	4.4	1.6	0.3	2.9	993.8
140°	11.3	10.7	9.0	6.5	3.7	1.4	0.4	2.2	996.0
145°	9.1	8.6	7.2	5.2	3.0	1.2	0.4	1.6	997.5
150°	7.1	6.7	5.6	4.1	2.4	0.9	0.4	1.1	998.6
155°	5.3	5.0	4.2	3.0	1.8	0.8	0.4	0.7	999.3
160°	3.8	3.6	3.0	2.1	1.3	0.7	0.4	0.4	999.7
165°	2.4	2.3	1.9	1.4	0.9	0.5	0.4	0.2	999.9
170°	1.4	1.3	1.1	0.9	0.6	0.5	0.4	0.1	1000.0
175°	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.0	1000.0
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	1000.0

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Monsun® 31</b>	<b>Bestell-Nr.: 51FA207K430B</b> <b>EAN: 4058352419519</b>	<b>LP-Nummer</b> <b>59096_1</b>
-------------------------------------	---	------------------------------------

UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,7	21,4	20,0	21,8	22,1	20,1	21,9	20,5	22,2	22,5
	3H	21,5	23,1	21,9	23,5	23,8	21,8	23,4	22,2	23,7	24,1
	4H	22,4	23,9	22,8	24,3	24,6	22,4	24,0	22,8	24,3	24,7
	6H	23,2	24,6	23,6	25,0	25,4	22,8	24,3	23,3	24,6	25,0
	8H	23,7	25,0	24,1	25,4	25,8	23,0	24,3	23,4	24,7	25,1
	12H	24,0	25,3	24,5	25,7	26,1	23,0	24,3	23,4	24,7	25,1
4H	2H	20,5	22,0	20,9	22,4	22,8	20,9	22,4	21,3	22,7	23,1
	3H	22,6	23,9	23,0	24,3	24,7	22,7	24,0	23,1	24,4	24,8
	4H	23,6	24,8	24,0	25,2	25,6	23,5	24,7	23,9	25,1	25,5
	6H	24,6	25,6	25,0	26,0	26,5	24,0	25,1	24,5	25,5	26,0
	8H	25,0	26,0	25,5	26,5	26,9	24,2	25,2	24,7	25,6	26,1
	12H	25,5	26,4	26,0	26,9	27,3	24,3	25,2	24,8	25,6	26,1
8H	4H	24,0	25,0	24,4	25,4	25,9	23,9	24,9	24,4	25,3	25,8
	6H	25,2	26,0	25,7	26,5	27,0	24,7	25,5	25,1	25,9	26,4
	8H	25,8	26,5	26,3	27,0	27,5	24,9	25,6	25,4	26,1	26,6
	12H	26,4	27,1	26,9	27,5	28,1	25,1	25,7	25,6	26,2	26,7
12H	4H	24,1	24,9	24,5	25,4	25,9	24,0	24,9	24,5	25,4	25,8
	6H	25,3	26,0	25,8	26,5	27,0	24,8	25,5	25,3	26,0	26,5
	8H	26,0	26,6	26,5	27,1	27,6	25,2	25,8	25,7	26,3	26,8

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1130 B = 64	H(C0) = 22	H(C180) = 22	H(C90) = 0	H(C270) = 0
--	---	------------	--------------	------------	-------------

C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8743.6	8819.6	9045.3	9421.7	9941.7	10606.3	11478.1	
50°		8432.4	8512.1	8750.8	9145.2	9698.5	10420.2	11417.7	
55°		8104.4	8188.1	8428.9	8829.4	9402.1	10166.2	11293.7	
60°		7761.7	7841.2	8073.2	8464.2	9029.1	9808.2	11061.8	
65°		7400.2	7469.4	7680.5	8036.8	8556.2	9299.3	10665.9	
70°		7046.3	7103.6	7265.0	7542.9	7954.3	8578.4	10002.6	
75°		6741.6	6775.6	6873.9	7017.0	7222.2	7567.3	8924.3	
80°		6516.6	6530.6	6563.8	6552.6	6432.1	6223.8	7127.7	
85°		6451.7	6453.0	6432.8	6294.2	5860.1	4719.2	4157.0	

**Lichttechnischer Prüfbefund**

<b>Familie</b> <b>Monsun® 31</b>	<b>Bestell-Nr.: 51FA207K430B</b> <b>EAN: 4058352419519</b>	<b>LP-Nummer</b> <b>59096_1</b>
-------------------------------------	---	------------------------------------

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

