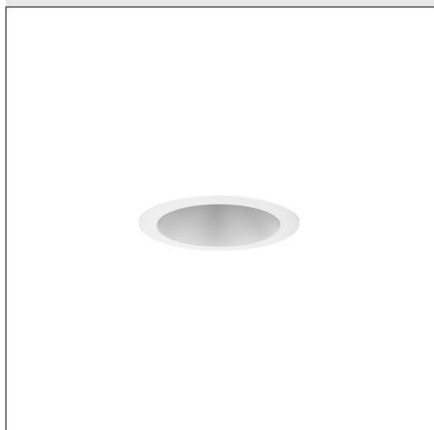


Photometric test report

Family
Lunis 31

Order number: 51DN16DE31
EAN: 4058352556023

LP number
59321_3



Version cover, diffuse, wide distribution, UGR≤22
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 1000 lm
 Power consumption = 8.3 W
 Luminous efficacy = 120.5 lm/W

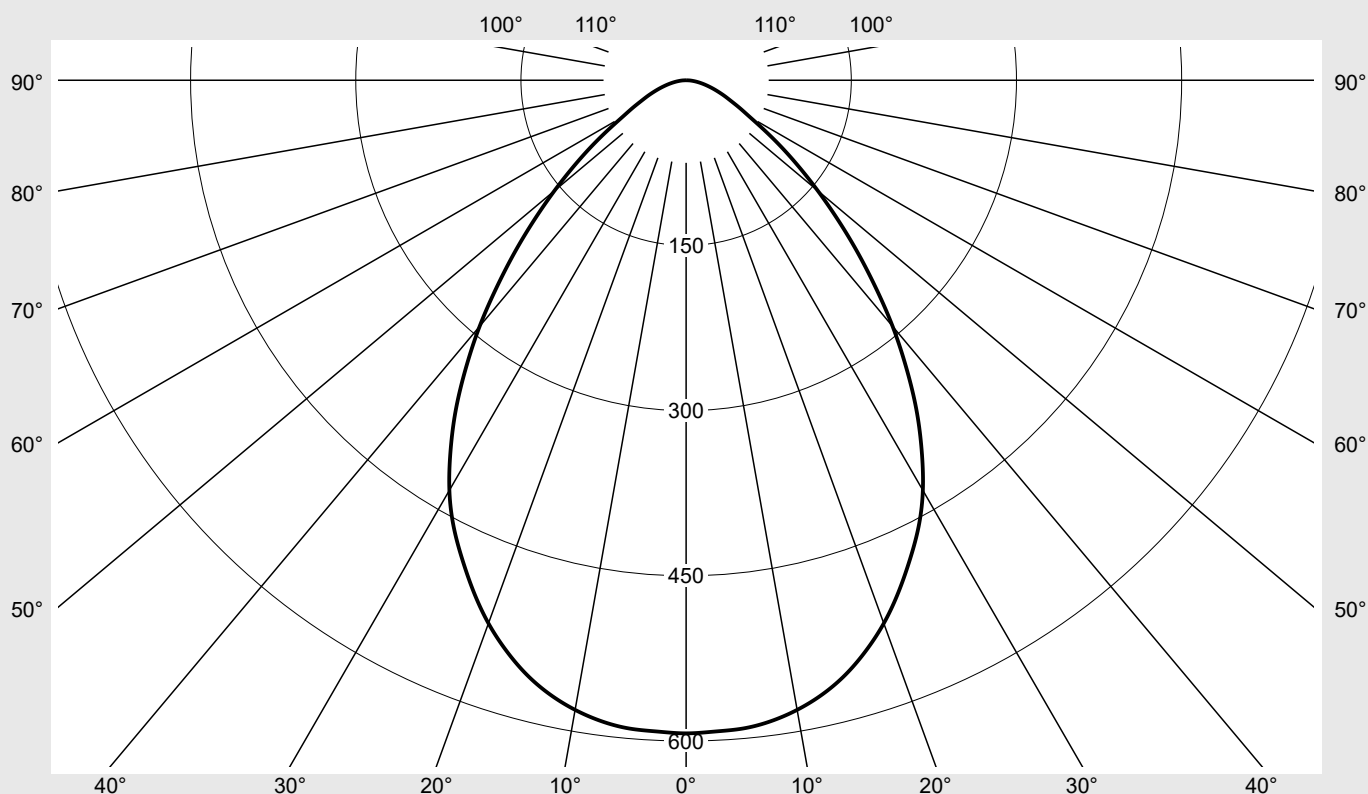
serial
documentation
15.06.2022

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Luminous intensity in cd/klm

C180-0

Imax: 593 cd/klm



Classifications

DIN 5040 A 5 0
 CIE N1=69 N2=92 N3=99
 N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 31	Order number: 51DN16DE31 EAN: 4058352556023	LP number 59321_3
Table of values for luminous intensities		Maximum luminous intensity

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C- planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0,0°	593.1	0.9	0.9
2,5°	592.0	7.1	8.0
5,0°	590.9	14.1	22.1
7,5°	587.2	21.0	43.1
10,0°	580.6	27.6	70.7
12,5°	571.3	33.9	104.6
15,0°	558.9	39.7	144.3
17,5°	543.1	44.8	189.1
20,0°	524.8	49.2	238.3
22,5°	503.5	52.8	291.1
25,0°	480.6	55.7	346.8
27,5°	457.2	57.9	404.6
30,0°	430.0	58.9	463.6
32,5°	398.1	58.6	522.2
35,0°	364.4	57.3	579.5
37,5°	328.0	54.7	634.2
40,0°	291.7	51.4	685.6
42,5°	254.2	47.1	732.7
45,0°	219.1	42.5	775.2
47,5°	186.1	37.6	812.8
50,0°	156.1	32.8	845.6
52,5°	129.1	28.1	873.7
55,0°	105.3	23.7	897.3
57,5°	84.0	19.4	916.8
60,0°	67.0	15.9	932.7
62,5°	55.3	13.5	946.1
65,0°	45.6	11.3	957.5
67,5°	38.3	9.7	967.2
70,0°	31.8	8.2	975.3
72,5°	26.0	6.8	982.1
75,0°	20.9	5.5	987.7
77,5°	16.4	4.4	992.0
80,0°	12.3	3.3	995.4
82,5°	8.7	2.4	997.7
85,0°	5.5	1.5	999.2
87,5°	2.7	0.7	1000.0
90,0°	0.2	0.1	1000.0

Photometric test report

Family Lunis 31	Order number: 51DN16DE31 EAN: 4058352556023	LP number 59321_3
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UGR-Table		Standard room									siteco	
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3		
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3		
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
Room dimensions		View crosswise (C0)					View endwise (C90)					
x	y											
2H	2H	20.0	21.5	20.4	21.8	22.1	20.0	21.5	20.4	21.8	22.1	
	3H	20.4	21.7	20.8	22.1	22.4	20.4	21.7	20.8	22.1	22.4	
	4H	20.6	21.8	21.0	22.2	22.5	20.6	21.8	21.0	22.2	22.5	
	6H	20.8	21.9	21.2	22.2	22.6	20.8	21.9	21.2	22.2	22.6	
	8H	20.9	21.9	21.3	22.2	22.6	20.9	21.9	21.3	22.2	22.6	
	12H	20.9	21.8	21.3	22.2	22.6	20.9	21.8	21.3	22.2	22.6	
4H	2H	20.2	21.4	20.6	21.8	22.1	20.2	21.4	20.6	21.8	22.1	
	3H	20.8	21.8	21.2	22.2	22.6	20.8	21.8	21.2	22.2	22.6	
	4H	21.0	21.9	21.5	22.3	22.8	21.0	21.9	21.5	22.3	22.8	
	6H	21.3	22.0	21.7	22.5	22.9	21.3	22.0	21.7	22.5	22.9	
	8H	21.3	22.0	21.8	22.5	23.0	21.3	22.0	21.8	22.5	23.0	
	12H	21.4	22.0	21.9	22.5	23.0	21.4	22.0	21.9	22.5	23.0	
8H	4H	21.1	21.8	21.6	22.3	22.7	21.1	21.8	21.6	22.3	22.7	
	6H	21.4	22.0	21.9	22.5	23.0	21.4	22.0	21.9	22.5	23.0	
	8H	21.5	22.0	22.0	22.5	23.0	21.5	22.0	22.0	22.5	23.0	
	12H	21.6	22.1	22.2	22.6	23.1	21.6	22.1	22.2	22.6	23.1	
12H	4H	21.2	21.7	21.6	22.2	22.7	21.2	21.7	21.6	22.2	22.7	
	6H	21.4	21.9	22.0	22.4	22.9	21.4	21.9	22.0	22.4	22.9	
	8H	21.6	22.0	22.1	22.5	23.0	21.6	22.0	22.1	22.5	23.0	

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 146
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C-planes		0°
γ	Luminance in cd/m²	
45,0°	18511.9	
50,0°	14502.9	
55,0°	10968.4	
60,0°	8001.5	
65,0°	6445.3	
70,0°	5546.0	
75,0°	4811.9	
80,0°	4233.4	
85,0°	3776.9	

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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