

Photometric test report

Family
Taris®

Order number: 5MT226D04WA
EAN: 4058352335581

LP number
58881_3



Version surface-mounted luminaire, Combined lens and reflector optics, reflector, asymmetric distribution

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 4080 lm
Power consumption = 28.9 W
Luminous efficacy = 141.2 lm/W

serial
documentation
18.11.2020

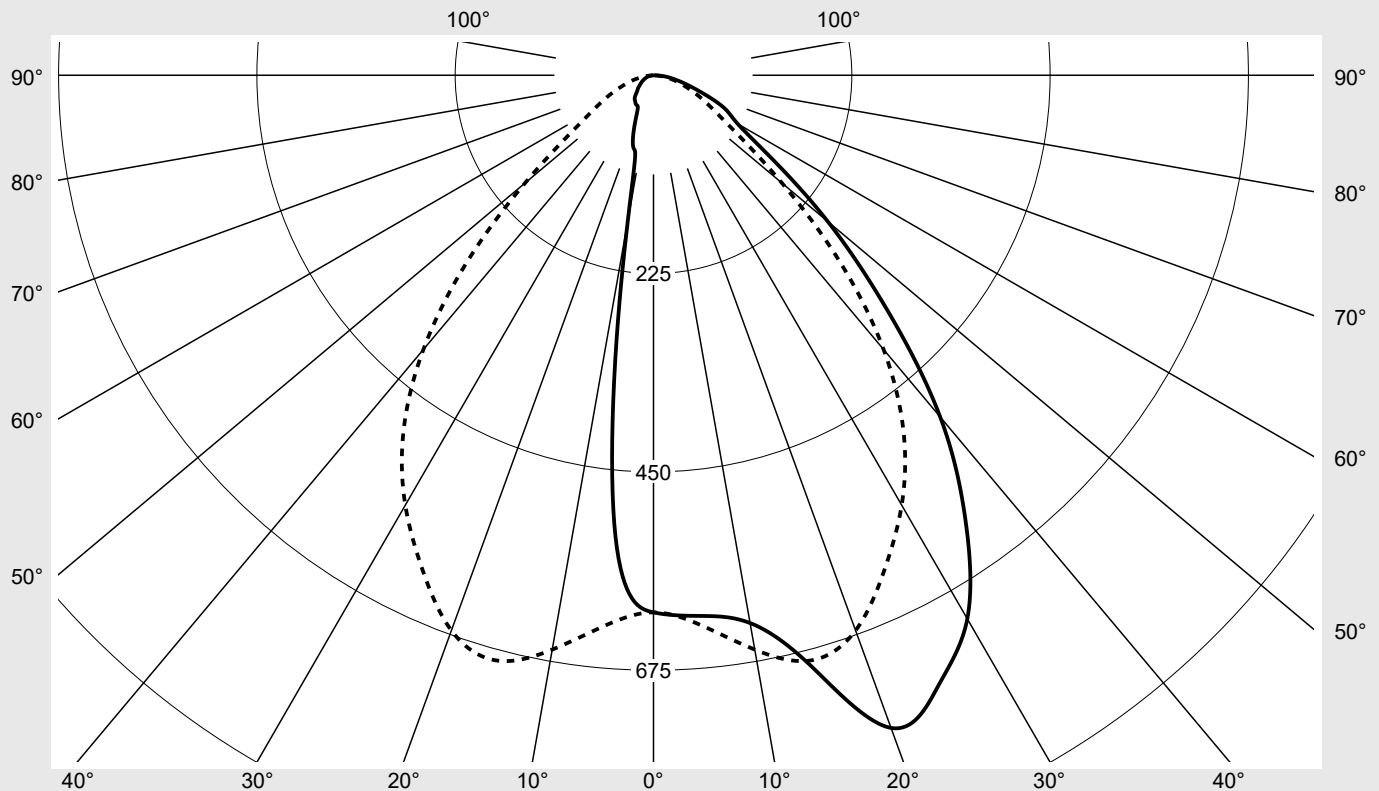
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 855 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=66 N2=91 N3=98
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

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Table of values for luminous intensities		Maximum luminous intensity
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C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity in cd/klm						
0°	609.4	609.4	609.4	609.4	609.4	609.4	609.4
5°	615.8	624.4	621.0	622.6	624.5	626.9	626.7
10°	631.1	644.4	645.0	652.4	659.0	662.6	661.7
15°	694.9	709.6	702.5	696.6	693.5	692.1	687.4
20°	788.1	817.4	823.7	767.1	708.5	683.1	670.4
25°	764.4	799.6	847.0	855.0	702.6	637.3	619.7
30°	712.1	763.6	811.1	801.2	711.9	585.5	563.2
35°	617.4	674.3	724.9	718.6	704.2	525.2	494.8
40°	506.1	550.7	589.2	612.2	600.5	452.9	406.1
45°	372.7	402.9	443.7	472.6	465.5	366.0	298.6
50°	258.1	278.9	301.9	327.1	316.4	268.3	190.3
55°	161.9	178.7	202.9	206.3	193.9	176.6	115.9
60°	110.4	114.5	127.2	145.5	135.6	123.2	79.0
65°	89.1	89.2	88.8	102.1	107.8	97.6	57.6
70°	59.4	61.1	67.8	69.1	82.2	77.0	40.2
75°	37.2	37.6	39.4	45.3	51.3	58.9	27.4
80°	22.1	21.9	22.1	23.2	27.5	35.9	15.5
85°	11.0	10.7	10.5	10.3	10.2	11.5	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	609.4	609.4	609.4	609.4	609.4	609.4	3.6	3.6
5°	618.7	604.0	579.4	547.1	520.5	510.6	28.6	32.2
10°	638.9	527.2	310.6	172.0	171.1	168.2	48.7	81.0
15°	621.6	255.3	106.0	93.0	87.4	86.3	67.8	148.8
20°	502.6	108.7	85.0	73.4	66.8	64.7	89.6	238.3
25°	307.1	87.2	68.5	51.8	42.5	42.4	104.7	343.0
30°	156.1	70.2	48.8	39.7	38.5	38.8	113.4	456.4
35°	90.8	55.5	38.4	36.4	35.7	36.3	115.9	572.3
40°	68.7	41.4	34.6	33.7	33.2	33.0	108.4	680.8
45°	55.6	34.4	31.4	29.5	26.8	26.8	91.3	772.1
50°	46.2	30.3	27.6	24.0	22.8	22.8	69.1	841.2
55°	36.7	26.4	21.9	20.0	18.6	18.6	48.2	889.4
60°	28.5	21.9	17.9	16.1	15.4	15.5	35.1	924.5
65°	23.8	17.0	14.2	13.1	12.4	12.5	27.9	952.4
70°	18.8	13.0	11.0	10.2	9.8	9.8	21.2	973.6
75°	12.8	9.3	8.0	7.4	7.3	7.2	14.4	988.0
80°	7.4	5.6	5.0	4.8	4.6	4.6	8.4	996.5
85°	3.2	2.7	2.4	2.3	2.2	2.2	3.5	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Table	Standard room	siteco									
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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	24.0	25.5	24.4	25.8	26.1	21.6	23.1	21.9	23.4	23.7
	3H	24.5	25.8	24.9	26.1	26.5	22.2	23.6	22.6	23.9	24.2
	4H	24.6	25.9	25.0	26.2	26.6	22.5	23.8	22.9	24.1	24.5
	6H	24.7	25.9	25.2	26.3	26.7	22.7	23.8	23.1	24.2	24.6
	8H	24.8	25.9	25.2	26.3	26.7	22.8	23.8	23.2	24.2	24.6
	12H	24.9	25.9	25.3	26.3	26.7	22.8	23.8	23.2	24.2	24.6
4H	2H	24.3	25.5	24.7	25.9	26.3	21.9	23.2	22.3	23.5	23.9
	3H	24.9	26.0	25.4	26.4	26.8	22.8	23.8	23.2	24.2	24.6
	4H	25.2	26.1	25.6	26.5	27.0	23.3	24.2	23.7	24.6	25.0
	6H	25.3	26.2	25.8	26.6	27.1	23.6	24.4	24.1	24.9	25.3
	8H	25.4	26.2	25.9	26.6	27.1	23.7	24.5	24.2	24.9	25.4
	12H	25.5	26.2	26.0	26.6	27.1	23.8	24.4	24.3	24.9	25.4
8H	4H	25.3	26.1	25.8	26.5	27.0	23.4	24.1	23.8	24.5	25.0
	6H	25.6	26.2	26.1	26.6	27.1	23.8	24.4	24.3	24.9	25.4
	8H	25.7	26.2	26.2	26.7	27.2	24.0	24.5	24.5	25.0	25.5
	12H	25.8	26.2	26.3	26.7	27.3	24.1	24.5	24.6	25.0	25.6
12H	4H	25.4	26.0	25.8	26.4	26.9	23.4	24.0	23.9	24.5	25.0
	6H	25.6	26.1	26.1	26.6	27.1	23.8	24.4	24.4	24.8	25.4
	8H	25.7	26.2	26.2	26.7	27.2	24.0	24.5	24.5	25.0	25.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1206 B = 61
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C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Luminance in cd/m ²												
45°	29231.7	31599.3	34798.1	37071.1	36513.3	28705.6	23423.2	4357.4	2698.0	2465.5	2317.1	2100.3	2098.2
50°	22271.2	24065.3	26044.8	28221.1	27295.0	23150.9	16419.8	3985.4	2612.6	2383.3	2067.4	1965.5	1967.8
55°	15655.0	17277.7	19619.2	19943.6	18751.4	17080.6	11205.5	3549.2	2555.6	2117.0	1938.0	1795.3	1800.5
60°	12244.2	12699.5	14104.2	16140.1	15040.3	13669.9	8762.1	3160.8	2425.6	1986.7	1784.2	1706.8	1717.3
65°	11697.5	11700.9	11653.3	13398.0	14146.4	12810.1	7556.5	3125.0	2232.4	1866.2	1713.1	1623.2	1634.0
70°	9637.4	9904.9	10992.7	11197.2	13335.7	12480.8	6524.3	3047.9	2105.9	1790.5	1651.2	1596.7	1583.8
75°	7969.2	8046.5	8449.2	9708.3	10984.6	12620.4	5864.7	2739.6	1995.2	1704.8	1589.8	1563.8	1540.9
80°	7052.6	7006.0	7061.3	7417.0	8779.9	11453.7	4944.7	2365.4	1803.9	1580.9	1538.5	1482.6	1465.3
85°	6983.2	6778.9	6693.0	6547.9	6487.5	7333.1	3397.4	2015.3	1698.4	1553.9	1476.9	1426.0	1399.3

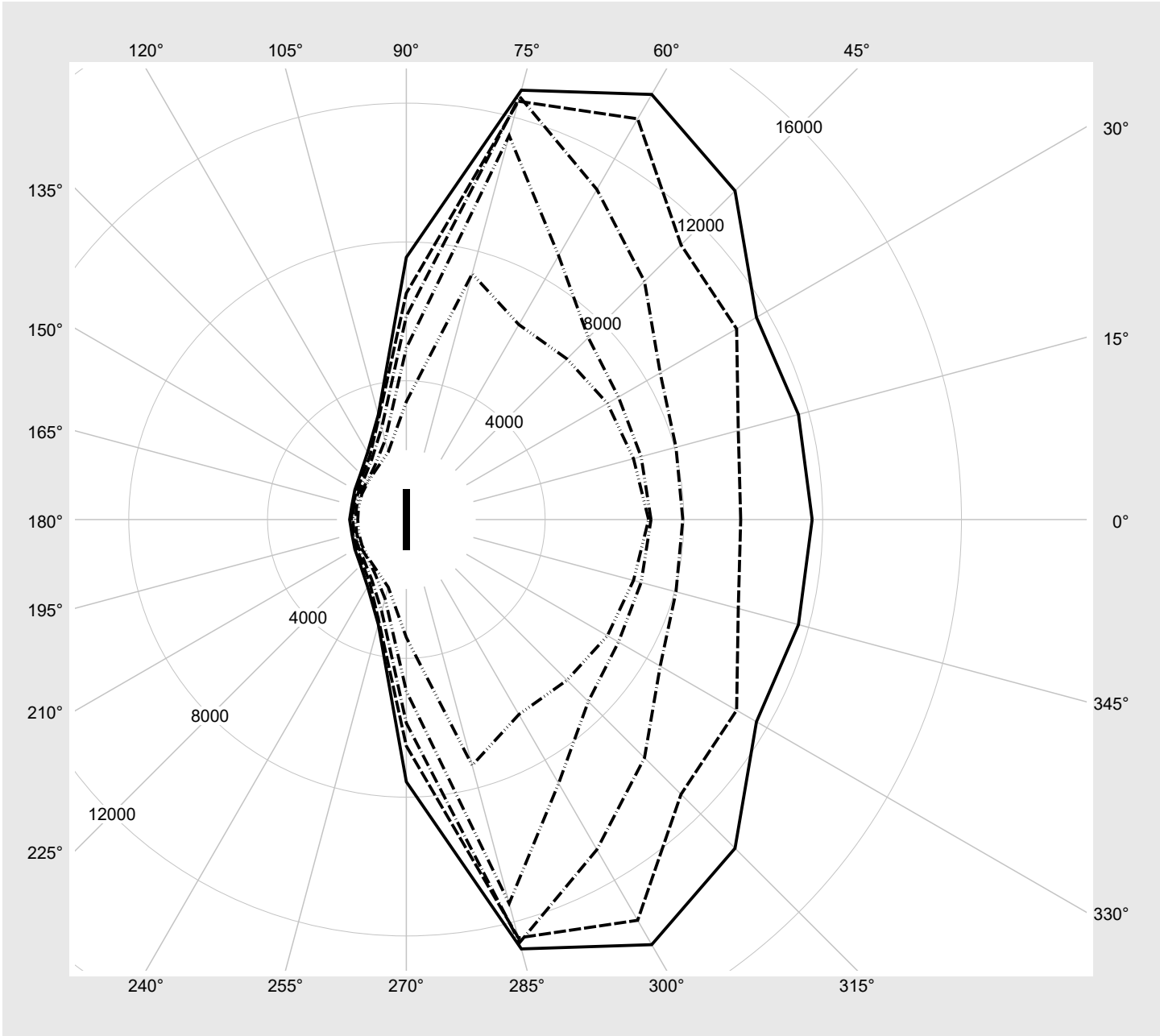
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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Dimming levels table	environmental temperature: 25°C	siteco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4080	28.9
95	241	252	3880	27.5
90	228	250	3678	26.0
85	214	248	3461	24.5
80	201	245	3257	23.0
75	188	243	3053	21.6
70	175	240	2848	20.2
65	163	238	2658	18.9
60	150	235	2451	17.5
55	137	231	2244	16.1
50	124	228	2036	14.8
45	112	224	1842	13.5
40	99	219	1632	12.1
35	87	215	1435	10.8
30	74	209	1224	9.4
25	62	202	1027	8.2
20	49	194	814	6.8
15	37	183	616	5.6
10	24	168	401	4.3
5	12	142	201	3.2
2	6	117	101	2.5