

Luminaire

Code VDL2 5W

Name VDL2 5W

Measurement

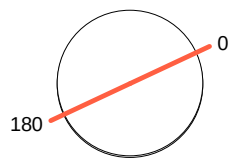
Code VDL2 5W

Name VDL2 5W

Luminaire Flux	375.17 lm	Luminaire Power	6.03 W	Efficacy	62.22 lm/W	Efficiency	60.03%
Lamps Flux	625.00 lm	Maximum value	1238.65 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	49 mm	Height	1 mm		
Round Luminous Area		Diam.	49 mm	Height	0 mm		
Horizontal Luminous Area		0.001886 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.000456 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		625.00 lm	
Operator				Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		VDL2 5W	Name	VDL2 5W 6.03W	625.00lm	6.03	1
C.I.E.	98 100 100 100 60		D DIN 5040		A60		
F UTE	--		B NBN		BZ 1		

Diam=49mm

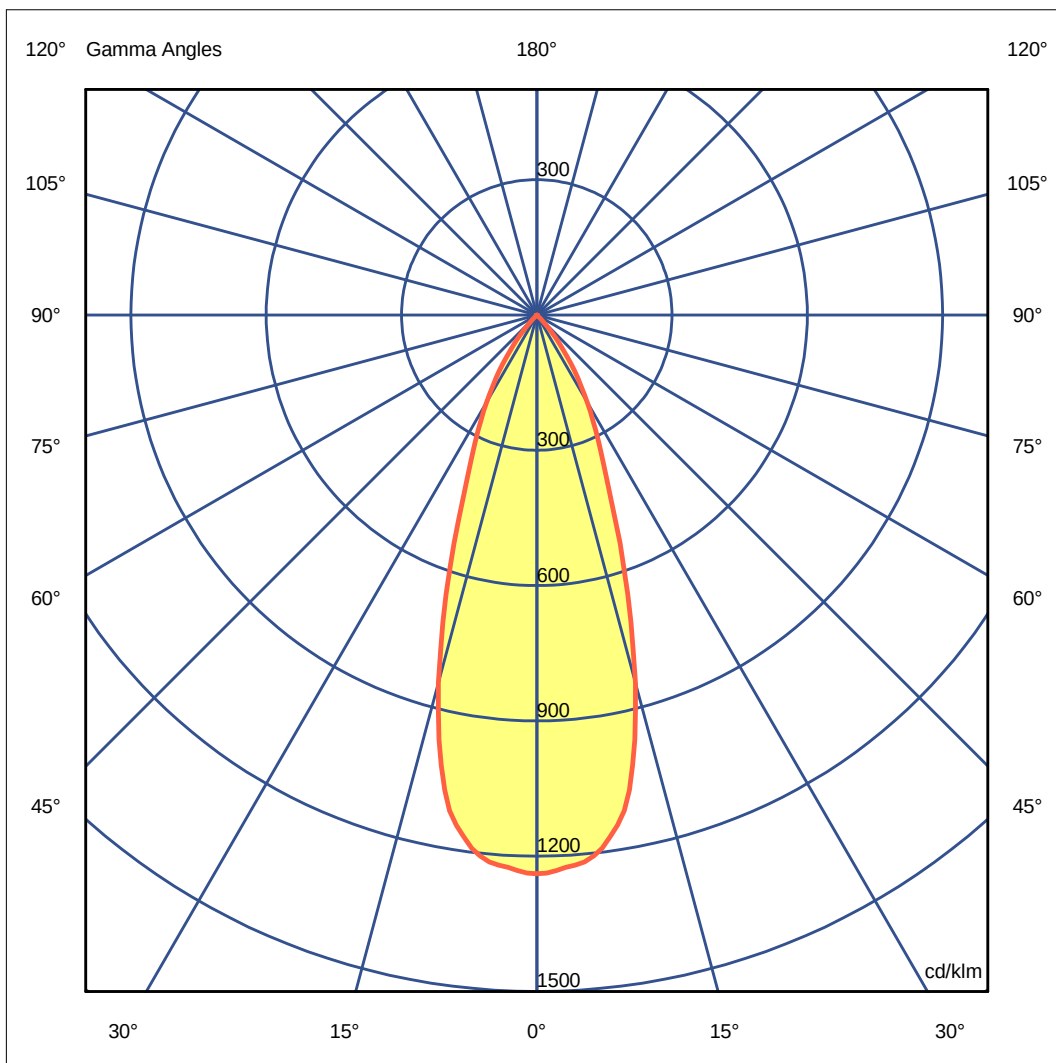


C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR 60.03 %



Luminaire

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Measurem.

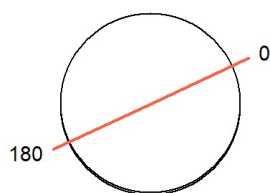
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Name VDL2 5W

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Lamps Flux	625.00 lm	Maximum value	1238.65 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 1/1

C 0.00		C 0.00	
G 0.0	1238.65	G 46.0	8.95
G 1.0	1237.26	G 47.0	6.81
G 2.0	1232.16	G 48.0	5.08
G 3.0	1226.48	G 49.0	3.39
G 4.0	1222.60	G 50.0	2.14
G 5.0	1216.87	G 51.0	1.65
G 6.0	1205.73	G 52.0	1.49
G 7.0	1190.49	G 53.0	1.49
G 8.0	1167.66	G 54.0	1.43
G 9.0	1144.59	G 55.0	1.36
G 10.0	1116.00	G 56.0	1.37
G 11.0	1072.85	G 57.0	1.29
G 12.0	1020.64	G 58.0	1.25
G 13.0	965.97	G 59.0	1.21
G 14.0	903.84	G 60.0	1.16
G 15.0	843.81	G 61.0	1.13
G 16.0	775.08	G 62.0	1.15
G 17.0	712.99	G 63.0	1.28
G 18.0	651.43	G 64.0	1.28
G 19.0	589.94	G 65.0	1.41
G 20.0	538.34	G 66.0	1.51
G 21.0	482.92	G 67.0	1.54
G 22.0	435.56	G 68.0	1.49
G 23.0	397.48	G 69.0	1.55
G 24.0	364.27	G 70.0	1.34
G 25.0	337.63	G 71.0	1.26
G 26.0	312.77	G 72.0	1.15
G 27.0	287.02	G 73.0	1.05
G 28.0	264.65	G 74.0	1.01
G 29.0	244.18	G 75.0	1.03
G 30.0	222.20	G 76.0	0.89
G 31.0	202.79	G 77.0	0.95
G 32.0	183.46	G 78.0	0.84
G 33.0	166.45	G 79.0	0.85
G 34.0	149.89	G 80.0	0.79
G 35.0	132.35	G 81.0	0.70
G 36.0	116.02	G 82.0	0.67
G 37.0	100.57	G 83.0	0.57
G 38.0	85.34	G 84.0	0.62
G 39.0	72.05	G 85.0	0.54
G 40.0	58.44	G 86.0	0.55
G 41.0	46.76	G 87.0	0.47
G 42.0	35.84	G 88.0	0.46
G 43.0	26.10	G 89.0	0.20
G 44.0	18.32	G 90.0	0.00
G 45.0	12.76		

Diam=49mm



C Halfplanes

180.0 — 0.0

Flux 625.00 lm

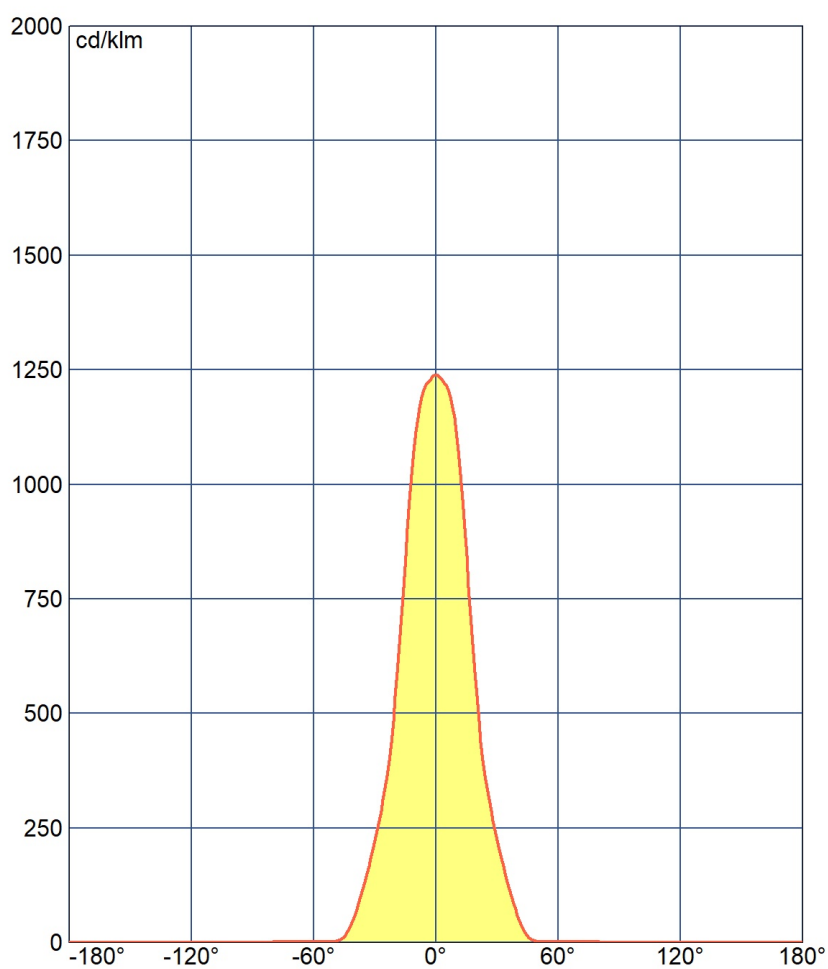
Maximum 1238.65 cd/klm

Position C=0.00 G=0.00

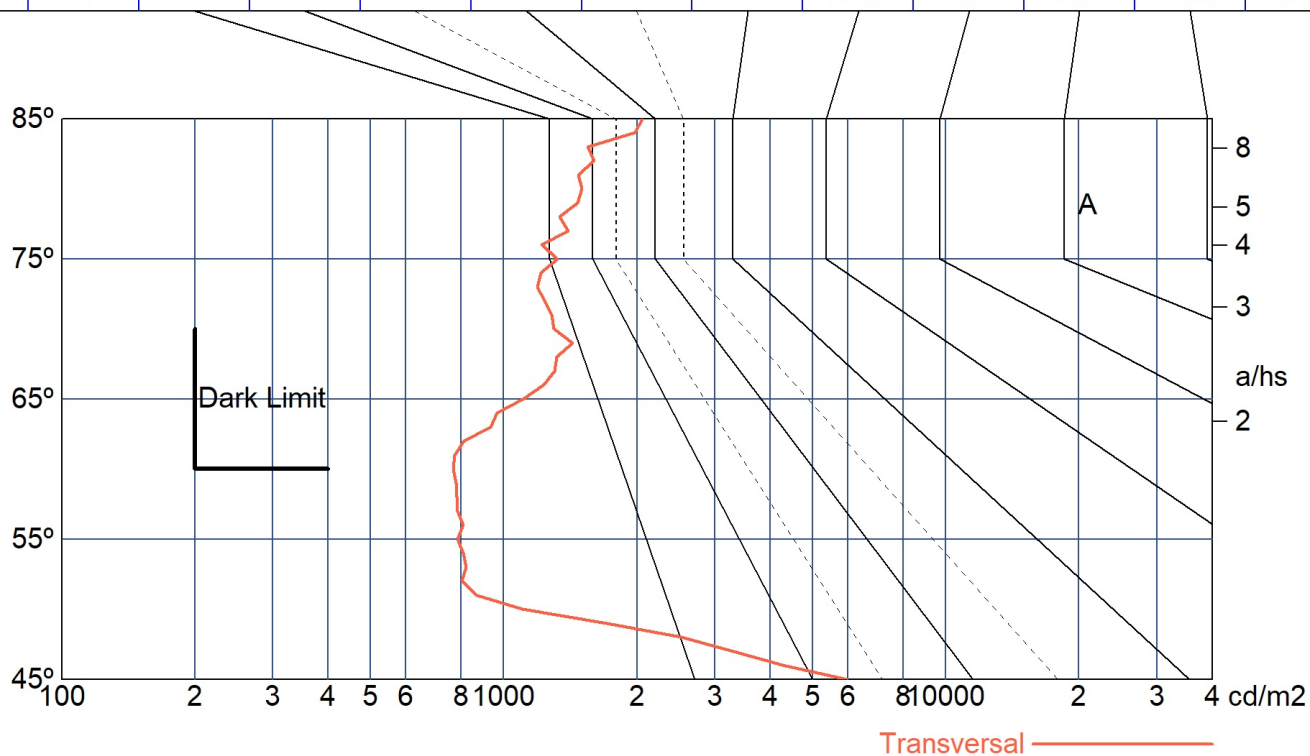
Efficiency: 60.03%

Date: 27-01-2000

Rotosymmetrical



Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



0.5	0.33	E(0°) E(C0)	18.5°	3097 1323
1.0	0.67	E(0°) E(C0)	18.5°	774 331
1.5	1.00	E(0°) E(C0)	18.5°	344 147
2.0	1.34	E(0°) E(C0)	18.5°	194 83
2.5	1.67	E(0°) E(C0)	18.5°	124 53
3.0	2.01	E(0°) E(C0)	18.5°	86 37

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 37.0°)

Glare Evaluation According to UGR

ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15.5	16.1	15.7	16.3	16.5	15.5	16.1	15.7	16.3	16.5
	3H	15.4	16.0	15.6	16.2	16.4	15.4	16.0	15.6	16.2	16.4
	4H	15.3	15.9	15.6	16.1	16.4	15.3	15.9	15.6	16.1	16.4
	6H	15.3	15.8	15.6	16.1	16.3	15.3	15.8	15.6	16.1	16.3
	8H	15.2	15.7	15.6	16.0	16.3	15.2	15.7	15.6	16.0	16.3
	12H	15.2	15.7	15.6	16.0	16.3	15.2	15.7	15.6	16.0	16.3
4H	2H	15.3	15.8	15.6	16.1	16.3	15.3	15.8	15.6	16.1	16.3
	3H	15.2	15.6	15.5	15.9	16.2	15.2	15.6	15.5	15.9	16.2
	4H	15.1	15.5	15.5	15.9	16.2	15.1	15.5	15.5	15.9	16.2
	6H	15.1	15.4	15.5	15.8	16.2	15.1	15.4	15.5	15.8	16.2
	8H	15.1	15.4	15.5	15.8	16.2	15.1	15.4	15.5	15.8	16.2
	12H	15.1	15.3	15.5	15.7	16.2	15.1	15.3	15.5	15.7	16.2
8H	4H	15.0	15.3	15.4	15.7	16.1	15.0	15.3	15.4	15.7	16.1
	6H	15.0	15.2	15.5	15.7	16.1	15.0	15.2	15.5	15.7	16.1
	8H	15.0	15.2	15.5	15.6	16.1	15.0	15.2	15.5	15.6	16.1
	12H	15.0	15.2	15.5	15.6	16.1	15.0	15.2	15.5	15.6	16.1
12H	4H	15.0	15.3	15.4	15.7	16.1	15.0	15.3	15.4	15.7	16.1
	6H	15.0	15.2	15.5	15.6	16.1	15.0	15.2	15.5	15.6	16.1
	8H	15.0	15.1	15.5	15.6	16.1	15.0	15.1	15.5	15.6	16.1

Variation of the observer position for the luminaire distance S

S = 1.0H	+5.1 / -8.2	+5.1 / -8.2
S = 1.5H	+7.8 / -8.7	+7.8 / -8.7
S = 2.0H	+9.8 / -8.9	+9.8 / -8.9
Standard table	BK00	BK00
Correction summand	-4.9	-4.9

Corrected glare indices referring to 625lm total luminous flux