

Luminaire

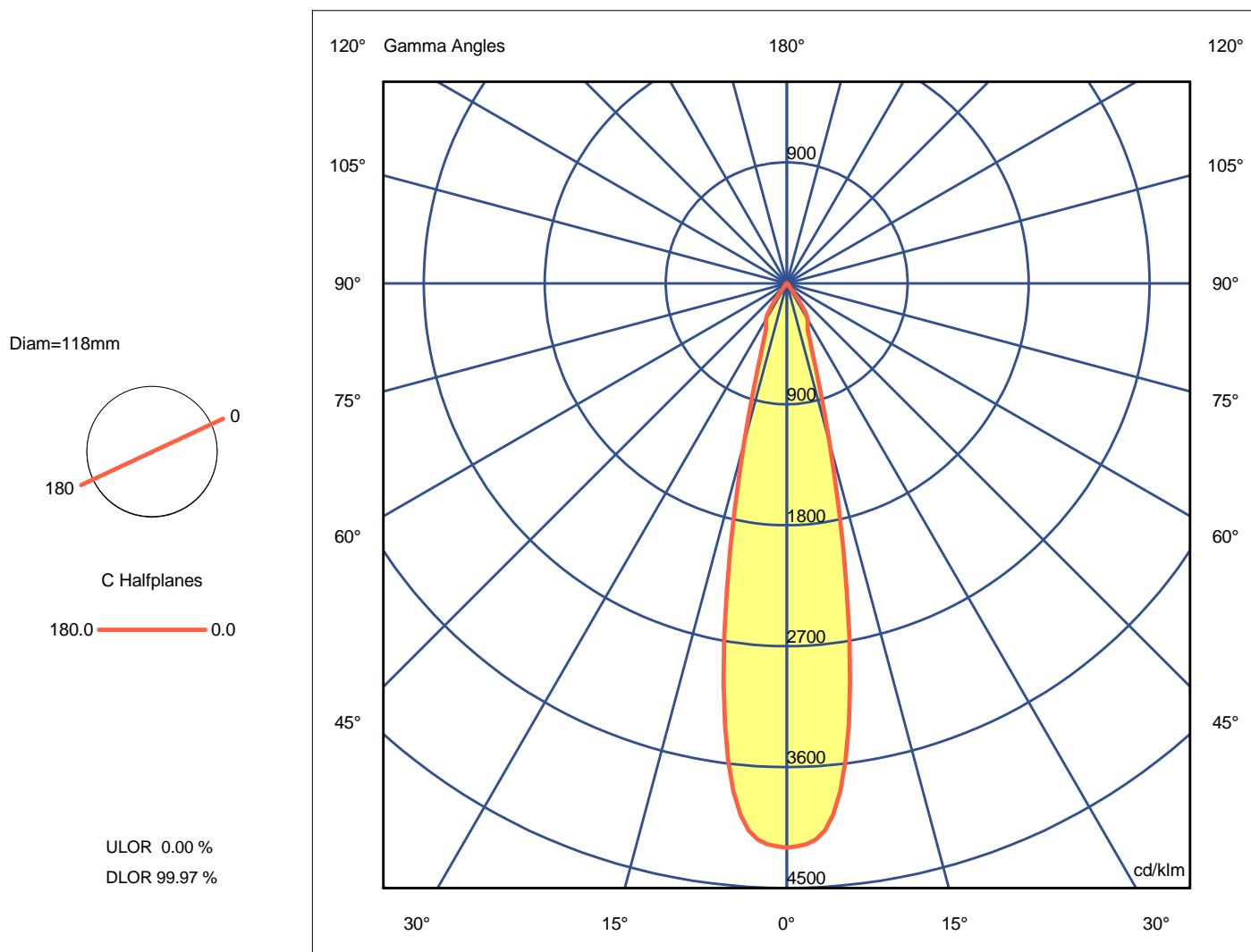
Code VDG1 7x2W
Name VDG1 7x2W

Measurement

Code VDG1 7x2W
Name VDG1 7x2W

Luminaire Flux	1749.57 lm	Luminaire Power	15.40 W	Efficacy	113.61 lm/W	Efficiency	99.98%
Lamps Flux	1750.00 lm	Maximum value	4199.79 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	118 mm	Height	1 mm		
Round Luminous Area		Diam.	118 mm	Height	0 mm		
Horizontal Luminous Area		0.010936 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°		0.002646 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		1750.00 lm	
Operator				Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Line	Code	Luminaire Lamps Name	Flux [lm]	Pow. [W]	Q.ty
	LED17S/830/-	LED17S/830/-	1750.00	15.40	1
C.I.E.	98 99 100 100 100	D DIN 5040	A60		
F UTE	--	B NBN	BZ 1		



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Luminous Intensity Table cd/klm Table 1/2

C 0.00

G 0.0	4199.79
G 0.2	4193.97
G 0.4	4193.86
G 0.6	4193.31
G 0.8	4191.91
G 1.0	4190.07
G 1.2	4187.70
G 1.4	4184.35
G 1.6	4182.30
G 1.8	4179.17
G 2.0	4175.61
G 2.2	4170.85
G 2.4	4165.23
G 2.6	4158.65
G 2.8	4151.95
G 3.0	4143.10
G 3.2	4133.59
G 3.4	4122.58
G 3.6	4109.29
G 3.8	4095.25
G 4.0	4078.94
G 4.2	4060.37
G 4.4	4040.82
G 4.6	4018.57
G 4.8	3993.73
G 5.0	3967.38
G 5.2	3937.25
G 5.4	3905.06
G 5.6	3871.47
G 5.8	3836.49
G 6.0	3799.66
G 6.5	3695.43
G 7.0	3577.50
G 7.5	3451.35
G 8.0	3311.61
G 8.5	3164.29
G 9.0	3007.80
G 9.5	2847.31
G 10.0	2679.70
G 10.5	2512.62
G 11.0	2347.59
G 11.5	2185.81
G 12.0	2025.75
G 12.5	1871.64
G 13.0	1722.38
G 13.5	1582.53
G 14.0	1451.41
G 14.5	1332.29
G 15.0	1222.13
G 16.0	1032.05
G 17.0	877.50
G 18.0	752.22
G 19.0	652.75
G 20.0	573.70
G 21.0	509.01
G 22.0	457.59
G 23.0	418.39
G 24.0	389.13
G 25.0	368.39
G 27.5	335.77
G 30.0	309.74
G 32.5	260.71
G 35.0	162.54
G 37.5	68.47
G 40.0	28.73
G 42.5	18.14
G 45.0	14.15
G 47.5	11.77
G 50.0	10.26
G 55.0	8.31
G 60.0	6.81
G 65.0	5.18
G 70.0	3.67

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Measurment

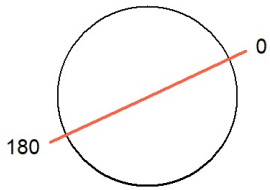
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Name VDG1 7x2W

Luminaire Flux	1749.57 lm	Luminaire Power	15.40 W	Efficacy	113.61 lm/W	Efficiency	99.98%
Lamps Flux	1750.00 lm	Maximum value	4199.79 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 2/2

	C	0.00
	G 75.0	2.49
	G 80.0	1.51
	G 85.0	0.86
	G 90.0	0.11
	G 90.8	0.00
	G180.0	0.00

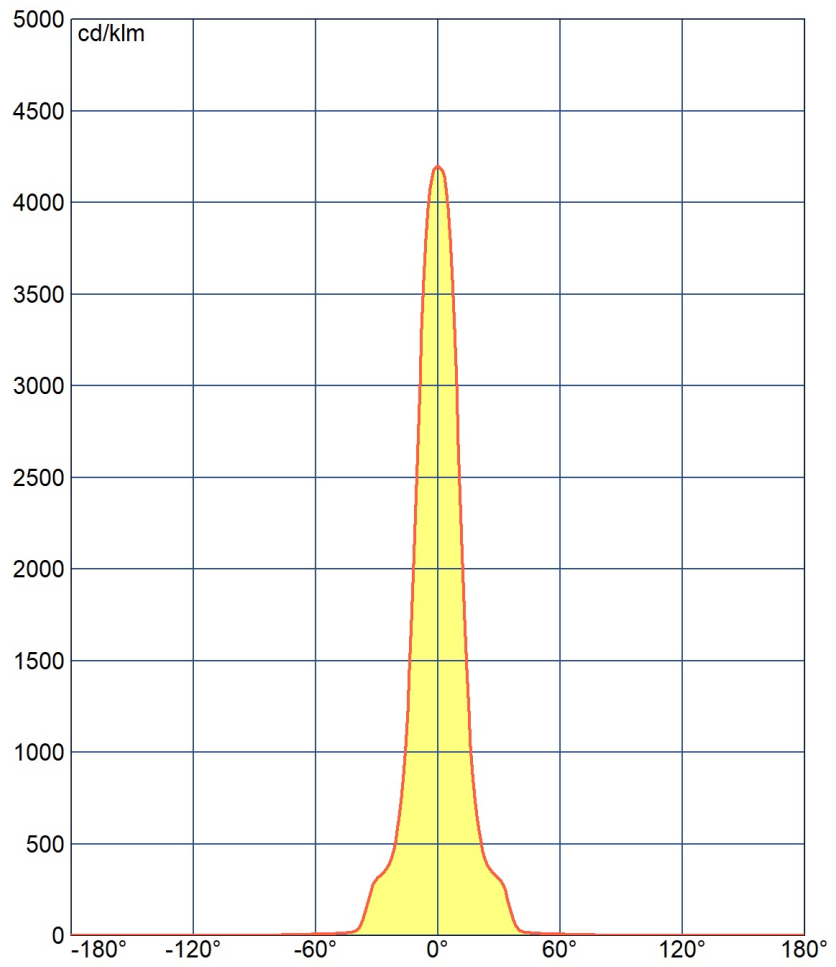
Diam=118mm



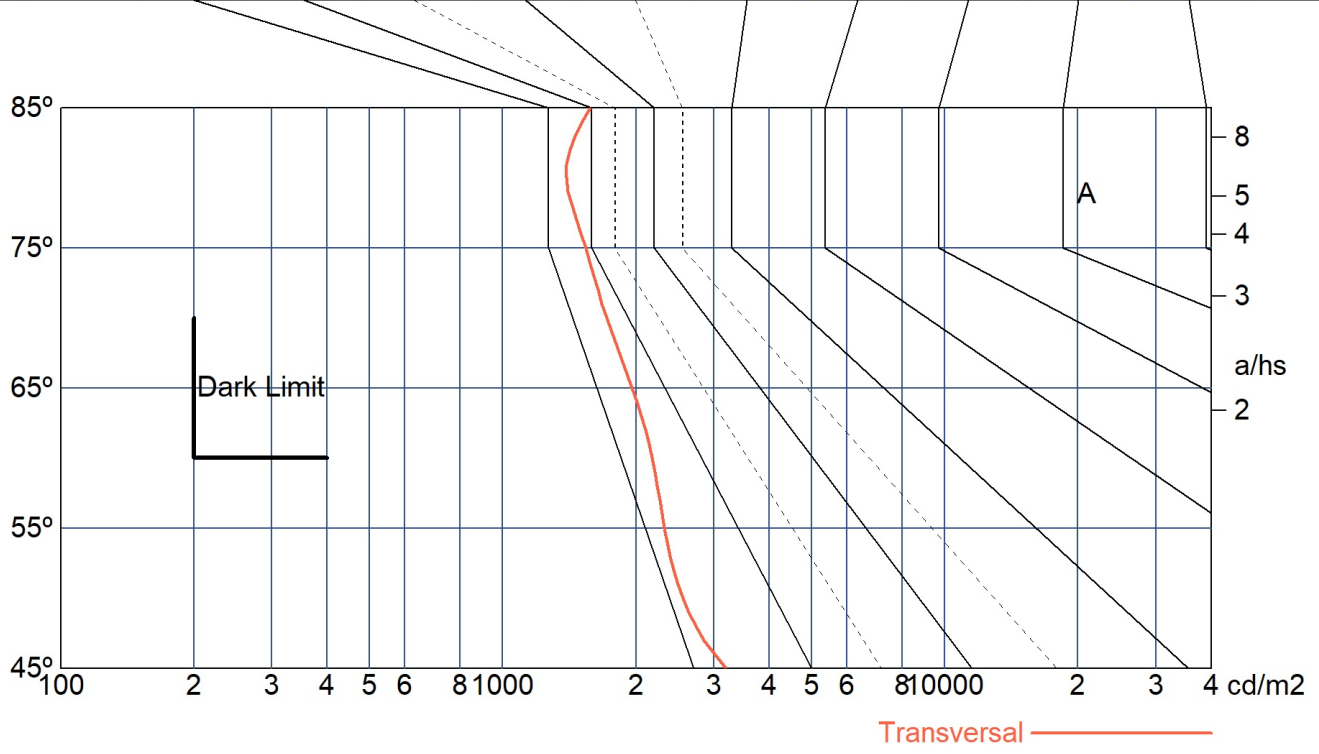
C Halfplanes

180.0 ——— 0.0

Flux 1750.00 lm
Maximum 4199.79 cd/klm
Position C=0.00 G=0.00
Efficiency: 99.98%
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	0.21	E(0°) E(C0)	11.7°	29399 13946
1.0	0.41	E(0°) E(C0)	11.7°	7350 3486
1.5	0.62	E(0°) E(C0)	11.7°	3267 1550
2.0	0.83	E(0°) E(C0)	11.7°	1837 872
2.5	1.04	E(0°) E(C0)	11.7°	1176 558
3.0	1.24	E(0°) E(C0)	11.7°	817 387

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 23.4°)

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	13.2	13.8	13.4	14.0	14.2	13.2	13.8	13.4	14.0	14.2
	3H	13.2	13.8	13.5	14.0	14.3	13.2	13.8	13.5	14.0	14.3
	4H	13.2	13.8	13.5	14.0	14.3	13.2	13.8	13.5	14.0	14.3
	6H	13.2	13.7	13.5	14.0	14.3	13.2	13.7	13.5	14.0	14.3
	8H	13.2	13.7	13.5	14.0	14.3	13.2	13.7	13.5	14.0	14.3
	12H	13.2	13.7	13.5	14.0	14.3	13.2	13.7	13.5	14.0	14.3
4H	2H	13.0	13.6	13.3	13.9	14.1	13.0	13.6	13.3	13.9	14.1
	3H	13.1	13.6	13.5	13.9	14.2	13.1	13.6	13.5	13.9	14.2
	4H	13.2	13.6	13.6	13.9	14.3	13.2	13.6	13.6	13.9	14.3
	6H	13.2	13.6	13.6	13.9	14.3	13.2	13.6	13.6	13.9	14.3
	8H	13.2	13.5	13.6	13.9	14.3	13.2	13.5	13.6	13.9	14.3
	12H	13.3	13.5	13.7	13.9	14.3	13.3	13.5	13.7	13.9	14.3
8H	4H	13.1	13.4	13.5	13.8	14.2	13.1	13.4	13.5	13.8	14.2
	6H	13.2	13.4	13.7	13.8	14.3	13.2	13.4	13.7	13.8	14.3
	8H	13.2	13.4	13.7	13.9	14.3	13.2	13.4	13.7	13.9	14.3
	12H	13.3	13.4	13.8	13.9	14.4	13.3	13.4	13.8	13.9	14.4
12H	4H	13.1	13.4	13.5	13.8	14.2	13.1	13.4	13.5	13.8	14.2
	6H	13.2	13.4	13.7	13.8	14.3	13.2	13.4	13.7	13.8	14.3
	8H	13.2	13.4	13.7	13.8	14.3	13.2	13.4	13.7	13.8	14.3
Variation of the observerposition for the luminaire distance S											
S = 1.0H		+5.4 / -4.4					+5.4 / -4.4				
S = 1.5H		+8.1 / -4.7					+8.1 / -4.7				
S = 2.0H		+10.1 / -5.2					+10.1 / -5.2				
Standard table		BK01					BK01				
Correction summand		-4.8					-4.8				
Corrected glare indices referring to 1750lm total luminous flux											