

Luminaire

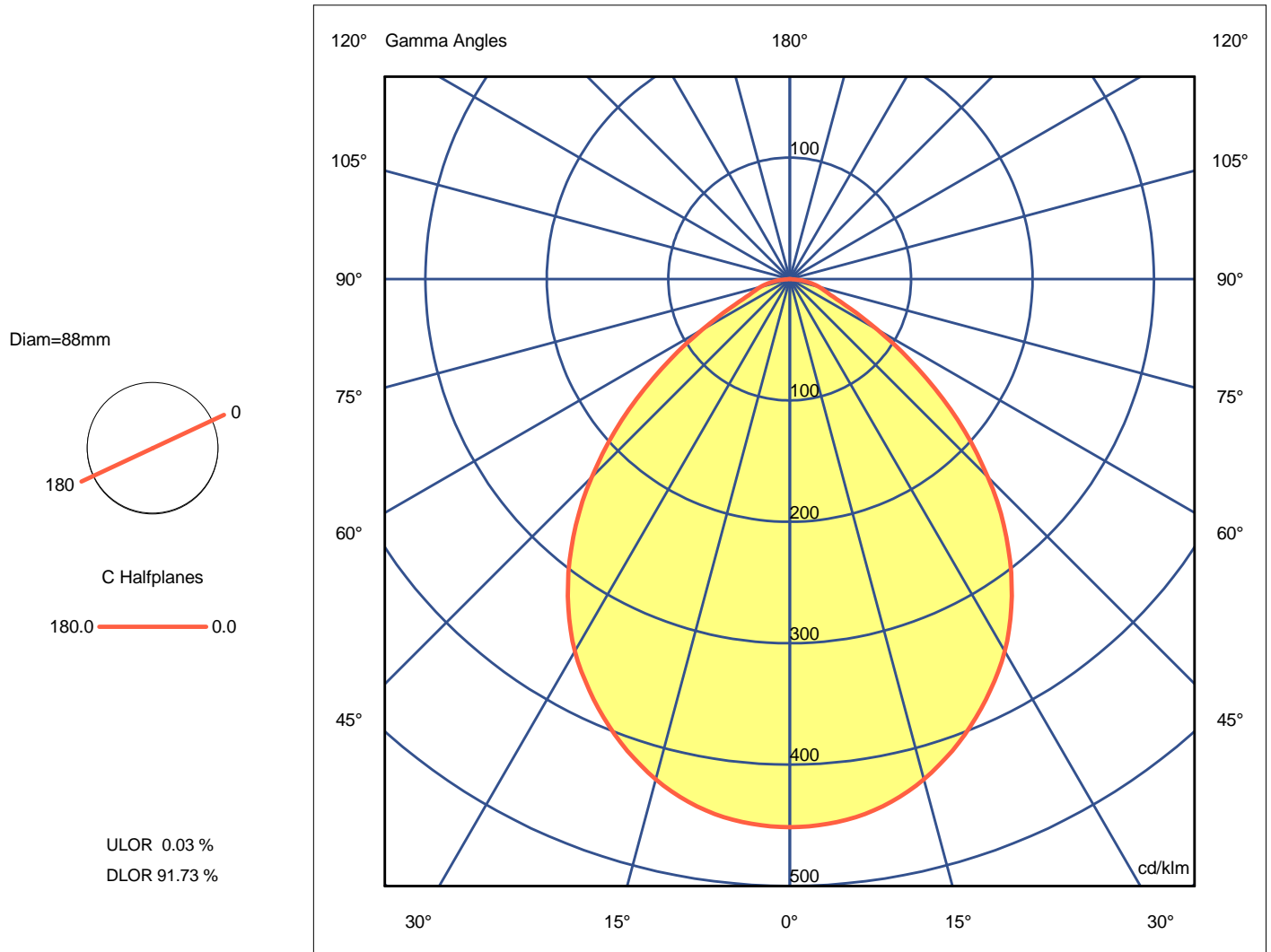
Code VDL6A 12W
Name VDL6A 12W

Measurement

Code VDL6A 12W
Name VDL6A 12W

Luminaire Flux	1146.99 lm	Luminaire Power	11.60 W	Efficacy	98.88 lm/W	Efficiency	91.76%
Lamps Flux	1250.00 lm	Maximum value	451.48 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	88 mm	Height	1 mm		
Round Luminous Area		Diam.	88 mm	Height	0 mm		
Horizontal Luminous Area		0.006082 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°		0.001471 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		1250.00 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
	LED10S/830/-	LED10S/830/-	1250.00	11.60	1
C.I.E.	61 91 98 100 92	D DIN 5040	A50		
F UTE	0.92 C	B NBN	BZ 3		



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Luminous Intensity Table cd/klm Table 1/2

C 0.00

G 0.0	451.48
G 1.0	451.28
G 2.0	450.90
G 3.0	450.41
G 4.0	449.72
G 5.0	448.85
G 6.0	447.77
G 7.0	446.41
G 8.0	444.85
G 9.0	442.90
G 10.0	440.85
G 11.0	438.50
G 12.0	435.87
G 13.0	432.94
G 14.0	429.82
G 15.0	426.51
G 16.0	422.90
G 17.0	419.00
G 18.0	415.00
G 19.0	410.90
G 20.0	406.51
G 21.0	401.93
G 22.0	397.15
G 23.0	392.38
G 24.0	387.30
G 25.0	382.03
G 26.0	376.67
G 27.0	371.21
G 28.0	365.74
G 29.0	360.09
G 30.0	354.04
G 31.0	347.61
G 32.0	340.68
G 33.0	333.56
G 34.0	326.15
G 35.0	318.64
G 36.0	310.74
G 37.0	302.84
G 38.0	294.65
G 39.0	286.16
G 40.0	277.48
G 41.0	268.61
G 42.0	259.63
G 43.0	250.37
G 44.0	240.71
G 45.0	230.86
G 46.0	220.71
G 47.0	210.77
G 48.0	200.82
G 49.0	190.78
G 50.0	180.54
G 51.0	170.39
G 52.0	160.05
G 53.0	149.62
G 54.0	139.08
G 55.0	128.94
G 56.0	119.18
G 57.0	109.92
G 58.0	100.85
G 59.0	91.98
G 60.0	83.49
G 61.0	75.58
G 62.0	68.37
G 63.0	61.54
G 64.0	55.50
G 65.0	50.23
G 66.0	45.74
G 67.0	41.94
G 68.0	38.72
G 69.0	35.79
G 70.0	33.26
G 71.0	31.21
G 72.0	29.55

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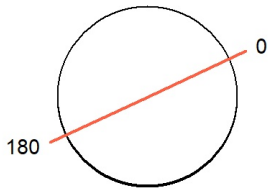
Luminaire Flux	1146.99 lm	Luminaire Power	11.60 W	Efficacy	98.88 lm/W	Efficiency	91.76%
Lamps Flux	1250.00 lm	Maximum value	451.48 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 2/2

C 0.00

G 73.0	28.09
G 74.0	26.62
G 75.0	25.16
G 76.0	23.50
G 77.0	21.85
G 78.0	20.09
G 79.0	18.34
G 80.0	16.58
G 81.0	14.73
G 82.0	12.87
G 83.0	11.12
G 84.0	9.26
G 85.0	7.42
G 86.0	5.46
G 87.0	3.61
G 88.0	2.05
G 89.0	1.07
G 90.0	0.39
G 91.0	0.10
G180.0	0.00

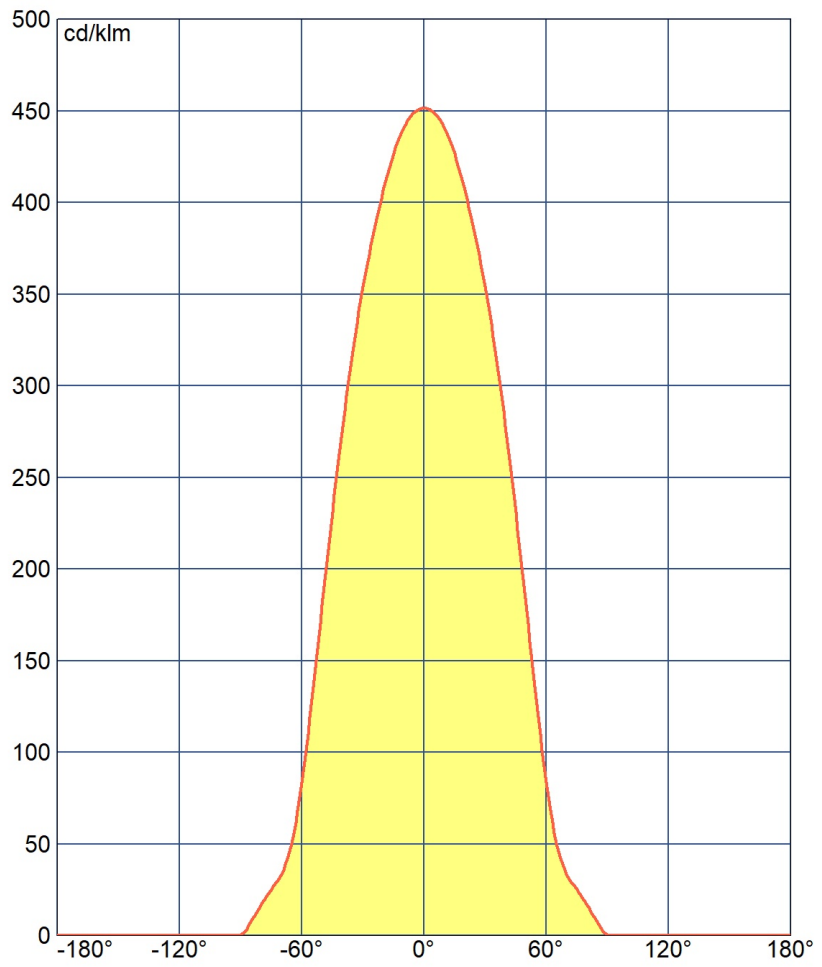
Diam=88mm



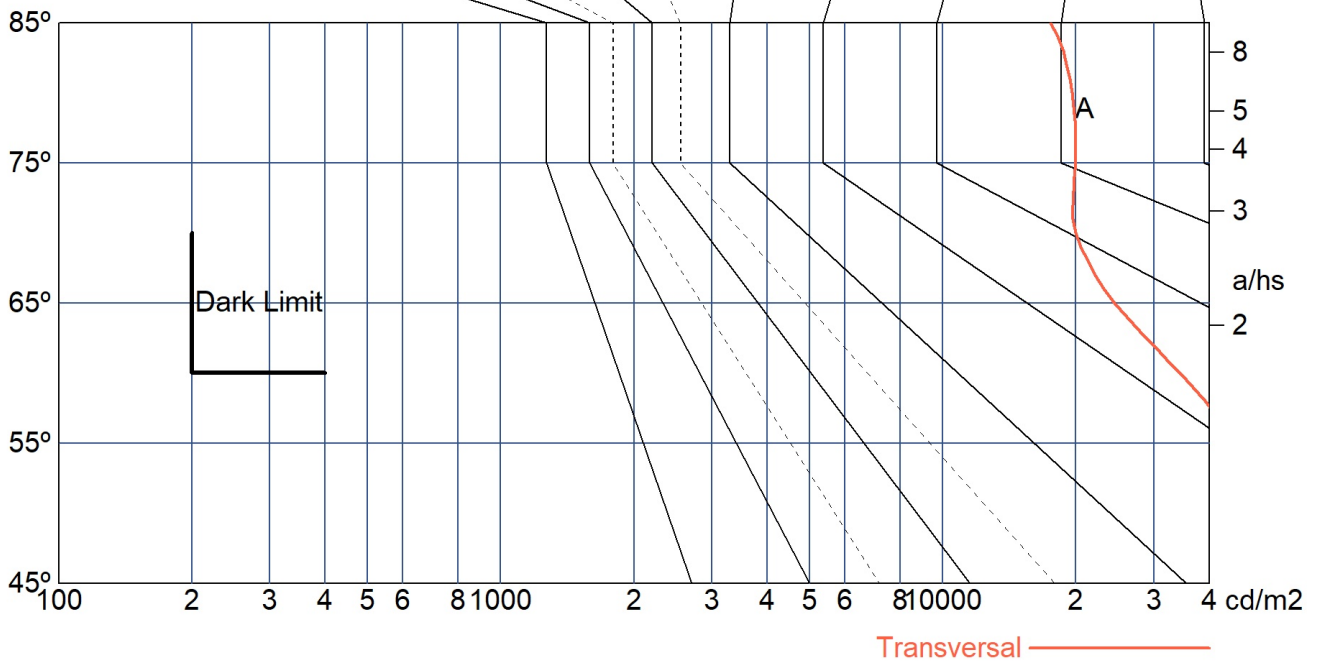
C Halfplanes

180.0 ——— 0.0

Flux 1250.00 lm
Maximum 451.48 cd/klm
Position C=0.00 G=0.00
Efficiency: 91.76%
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	1.02	E(0°) E(C0)	45.5°	2257 389
1.0	2.04	E(0°) E(C0)	45.5°	564 97
1.5	3.05	E(0°) E(C0)	45.5°	251 43
2.0	4.07	E(0°) E(C0)	45.5°	141 24
2.5	5.09	E(0°) E(C0)	45.5°	90 16
3.0	6.11	E(0°) E(C0)	45.5°	63 11

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 91.0°)

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	25.3	26.4	25.6	26.6	26.9	25.3	26.4	25.6	26.6	26.9
	3H	25.7	26.7	26.0	26.9	27.2	25.7	26.7	26.0	26.9	27.2
	4H	25.9	26.8	26.2	27.1	27.4	25.9	26.8	26.2	27.1	27.4
	6H	26.1	26.9	26.4	27.2	27.5	26.1	26.9	26.4	27.2	27.5
	8H	26.1	27.0	26.5	27.3	27.6	26.1	27.0	26.5	27.3	27.6
	12H	26.2	27.0	26.6	27.3	27.6	26.2	27.0	26.6	27.3	27.6
4H	2H	25.5	26.4	25.8	26.7	27.0	25.5	26.4	25.8	26.7	27.0
	3H	26.0	26.8	26.4	27.1	27.5	26.0	26.8	26.4	27.1	27.5
	4H	26.3	27.0	26.7	27.4	27.7	26.3	27.0	26.7	27.4	27.7
	6H	26.6	27.2	27.1	27.6	28.0	26.6	27.2	27.1	27.6	28.0
	8H	26.8	27.3	27.2	27.7	28.1	26.8	27.3	27.2	27.7	28.1
	12H	26.9	27.4	27.3	27.8	28.2	26.9	27.4	27.3	27.8	28.2
8H	4H	26.4	27.0	26.9	27.4	27.8	26.4	27.0	26.9	27.4	27.8
	6H	26.9	27.3	27.3	27.7	28.2	26.9	27.3	27.3	27.7	28.2
	8H	27.1	27.4	27.5	27.9	28.4	27.1	27.4	27.5	27.9	28.4
	12H	27.2	27.5	27.7	28.0	28.5	27.2	27.5	27.7	28.0	28.5
12H	4H	26.4	26.9	26.9	27.3	27.8	26.4	26.9	26.9	27.3	27.8
	6H	26.9	27.3	27.4	27.7	28.2	26.9	27.3	27.4	27.7	28.2
	8H	27.1	27.4	27.6	27.9	28.4	27.1	27.4	27.6	27.9	28.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		+0.4 / -0.5					+0.4 / -0.5				
S = 1.5H		+0.8 / -1.4					+0.8 / -1.4				
S = 2.0H		+1.7 / -2.3					+1.7 / -2.3				
Standard table		BK03					BK03				
Correction summand		9.0					9.0				
Corrected glare indices referring to 1250lm total luminous flux											