

Luminaire

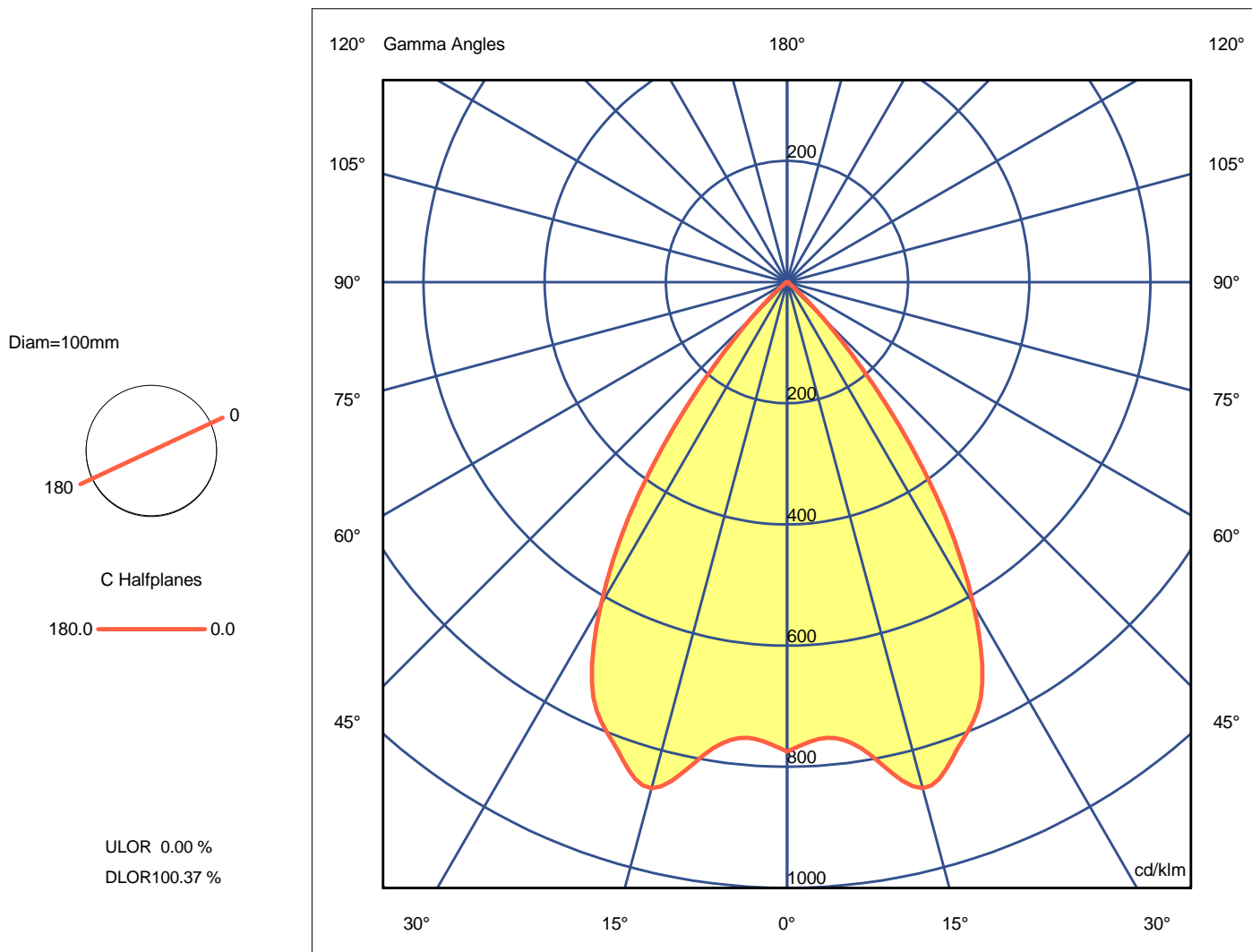
Code VDL10C 12W
Name VDL10C 12W

Measurement

Code VDL10C 12W
Name VDL10C 12W

Luminaire Flux	723.16 lm	Luminaire Power	12.00 W	Efficacy	60.26 lm/W	Efficiency	100.37%
Lamps Flux	720.50 lm	Maximum value	864.74 cd/klm	Position	C=0.00 G=15.00	CG	Rotosymmetrical
Round Luminaire		Diam.	100 mm	Height	1 mm		
Round Luminous Area		Diam.	100 mm	Height	0 mm		
Horizontal Luminous Area		0.007854 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°		0.001900 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		720.50 lm	
Operator				Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Luminaire Lamps						
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
	12W	12W	720.50	12.00	1	
C.I.E.	93 99 100 100 100					D DIN 5040
F UTE	1.00 A					B NBN
			A60			BZ 1



Luminaire

Code VDL10C 12W
Name VDL10C 12W

Measurment

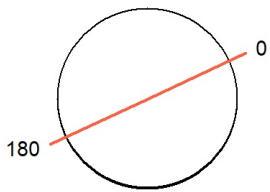
Code VDL10C 12W
Name VDL10C 12W

Luminaire Flux	723.16 lm	Luminaire Power	12.00 W	Efficacy	60.26 lm/W	Efficiency	100.37%
Lamps Flux	720.50 lm	Maximum value	864.74 cd/klm	Position	C=0.00 G=15.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 1/1

C 0.00	
G 0.0	774.51
G 5.0	755.08
G 10.0	792.56
G 15.0	864.74
G 20.0	820.32
G 25.0	756.47
G 30.0	614.89
G 35.0	427.51
G 40.0	223.47
G 45.0	84.67
G 50.0	22.21
G 55.0	2.78
G 60.0	2.78
G 65.0	2.78
G 70.0	2.78
G 75.0	2.78
G 80.0	2.78
G 85.0	0.00
G 90.0	0.00

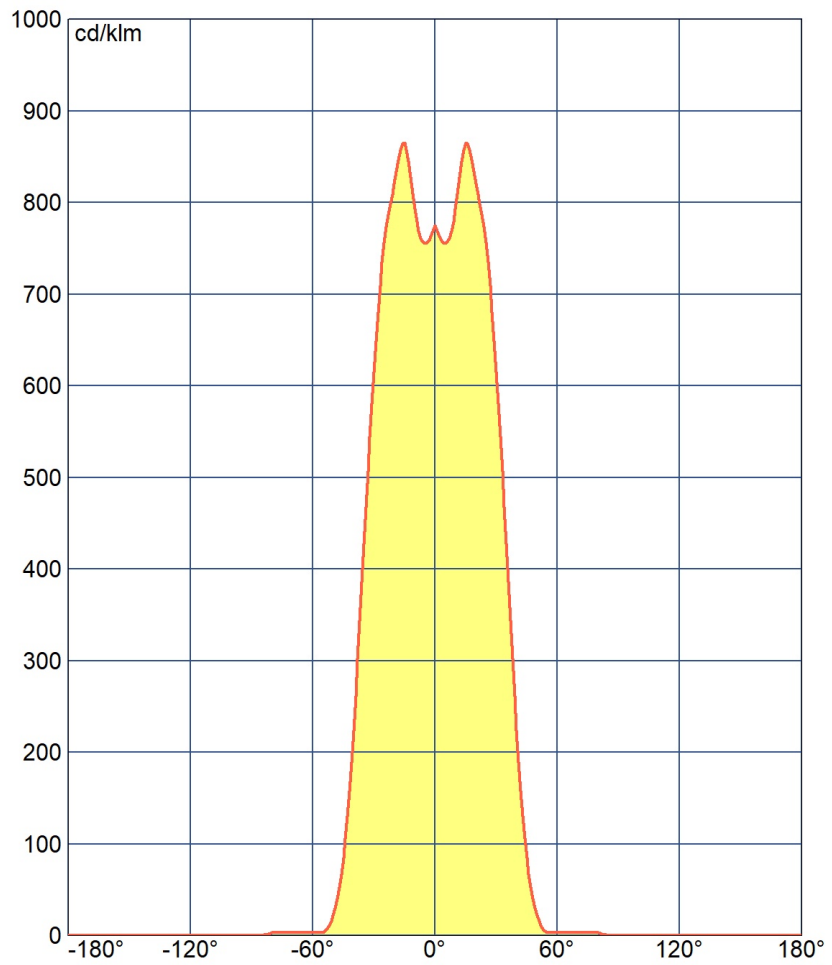
Diam=100mm



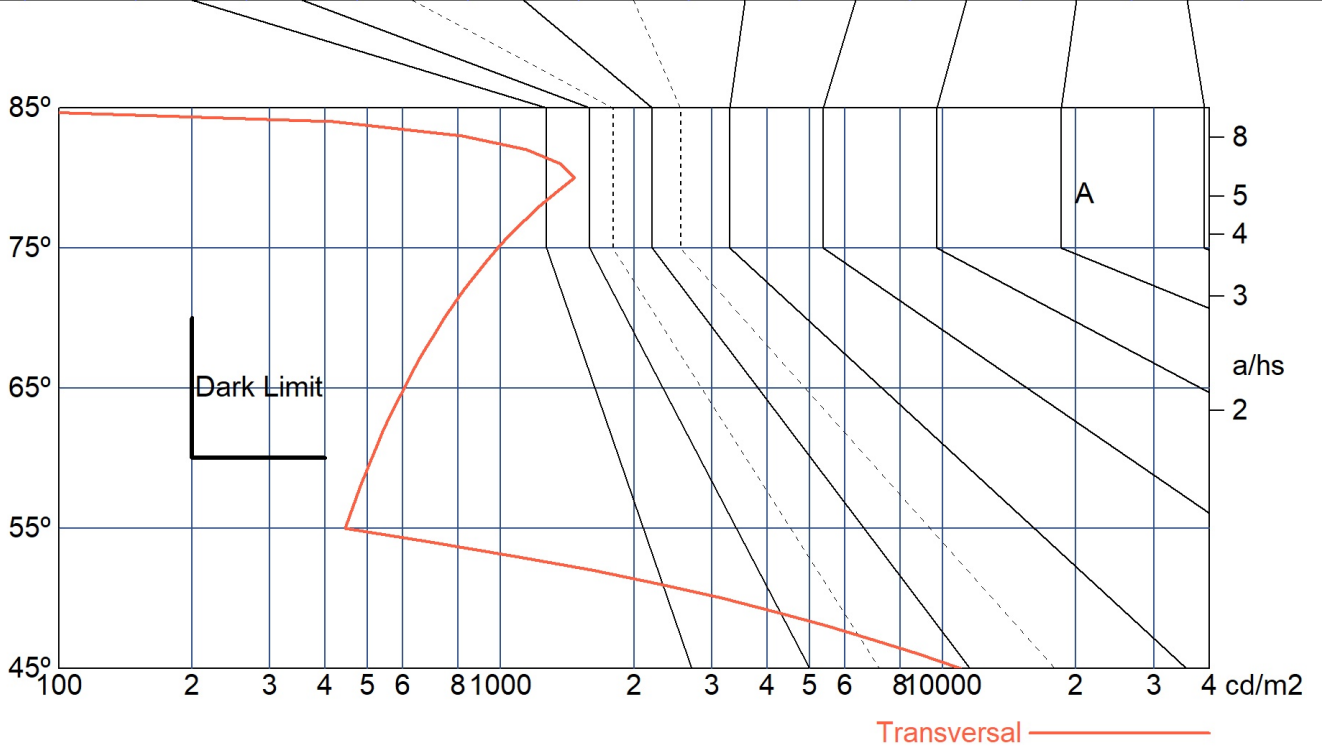
C Halfplanes

180.0 — 0.0

Flux 720.50 lm
Maximum 864.74 cd/klm
Position C=0.00 G=15.00
Efficiency: 100.37%
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	0.70	E(0°) E(C0)	34.8°	2231 694
1.0	1.39	E(0°) E(C0)	34.8°	558 173
1.5	2.09	E(0°) E(C0)	34.8°	248 77
2.0	2.78	E(0°) E(C0)	34.8°	139 43
2.5	3.48	E(0°) E(C0)	34.8°	89 28
3.0	4.17	E(0°) E(C0)	34.8°	62 19

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 69.6°)

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	17.7	18.5	18.0	18.7	18.8	17.7	18.5	18.0	18.7	18.8
	3H	17.6	18.3	17.9	18.5	18.7	17.6	18.3	17.9	18.5	18.7
	4H	17.6	18.2	17.9	18.4	18.7	17.6	18.2	17.9	18.4	18.7
	6H	17.5	18.1	17.8	18.3	18.6	17.5	18.1	17.8	18.3	18.6
	8H	17.5	18.0	17.8	18.3	18.6	17.5	18.0	17.8	18.3	18.6
	12H	17.5	18.0	17.8	18.3	18.6	17.5	18.0	17.8	18.3	18.6
4H	2H	17.5	18.1	17.8	18.4	18.7	17.5	18.1	17.8	18.4	18.7
	3H	17.4	17.9	17.8	18.2	18.5	17.4	17.9	17.8	18.2	18.5
	4H	17.4	17.8	17.7	18.1	18.5	17.4	17.8	17.7	18.1	18.5
	6H	17.3	17.7	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
	8H	17.3	17.6	17.7	18.0	18.4	17.3	17.6	17.7	18.0	18.4
	12H	17.3	17.6	17.7	18.0	18.4	17.3	17.6	17.7	18.0	18.4
8H	4H	17.3	17.6	17.7	18.0	18.4	17.3	17.6	17.7	18.0	18.4
	6H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9	18.4
	8H	17.2	17.4	17.7	17.9	18.3	17.2	17.4	17.7	17.9	18.3
	12H	17.2	17.4	17.7	17.8	18.3	17.2	17.4	17.7	17.8	18.3
12H	4H	17.2	17.5	17.7	17.9	18.3	17.2	17.5	17.7	17.9	18.3
	6H	17.2	17.4	17.7	17.9	18.3	17.2	17.4	17.7	17.9	18.3
	8H	17.2	17.4	17.7	17.8	18.3	17.2	17.4	17.7	17.8	18.3

Variation of the observer position for the luminaire distance S

S = 1.0H	+4.3 / -10.3	+4.3 / -10.3
S = 1.5H	+7.0 / -10.5	+7.0 / -10.5
S = 2.0H	+9.0 / -10.7	+9.0 / -10.7
Standard table	BK00	BK00
Correction summand	-0.9	-0.9

Corrected glare indices referring to 720lm total luminous flux