

Luminaire

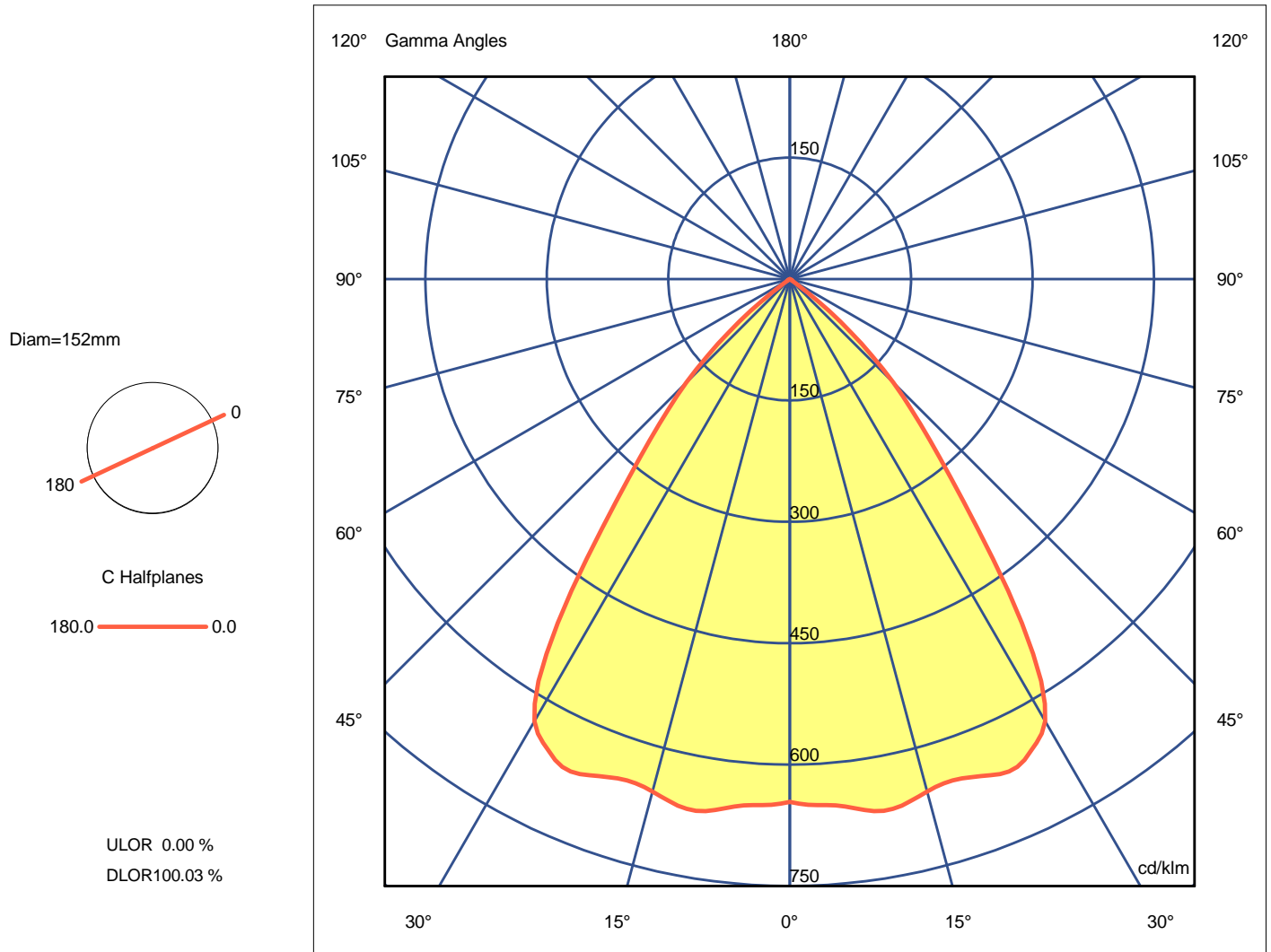
Code VDL10C 15W
Name VDL10C 15W

Measurement

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Name VDL10C 15W

Luminaire Flux	1364.30 lm	Luminaire Power	15.00 W	Efficacy	90.95 lm/W	Efficiency	100.03%
Lamps Flux	1363.90 lm	Maximum value	667.22 cd/klm	Position	C=0.00 G=10.00	CG	Rotosymmetrical
Round Luminaire		Diam.	152 mm	Height	1 mm		
Round Luminous Area		Diam.	152 mm	Height	0 mm		
Horizontal Luminous Area		0.018146 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°		0.004390 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		1363.90 lm	
Operator				Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Line	Luminaire Lamps					
	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
	48- NICHIA 3000K LEDs	48- NICHIA 3000K LEDs	1363.90	15.00	1	
C.I.E.	87 100 100 100 100	D DIN 5040	A60			
F UTE	1.00 A	B NBN	BZ 1			



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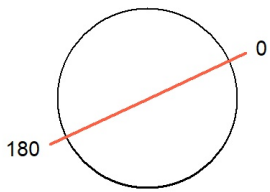
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Luminous Intensity Table cd/klm Table 1/1

C 0.00

G 0.0	645.96
G 2.5	650.36
G 5.0	652.56
G 7.5	660.62
G 10.0	667.22
G 12.5	663.56
G 15.0	655.49
G 17.5	651.09
G 20.0	654.76
G 22.5	662.82
G 25.0	665.02
G 27.5	651.83
G 30.0	630.56
G 32.5	569.71
G 35.0	469.99
G 37.5	366.61
G 40.0	288.15
G 42.5	230.23
G 45.0	181.10
G 47.5	129.05
G 50.0	81.39
G 52.5	35.19
G 55.0	7.33
G 57.5	3.67
G 60.0	2.93
G 62.5	2.20
G 65.0	1.47
G 67.5	1.47
G 70.0	0.73
G 72.5	0.73
G 75.0	0.73
G 77.5	0.00
G 80.0	0.00
G 82.5	0.00
G 85.0	0.00
G 87.5	0.00
G 90.0	0.00

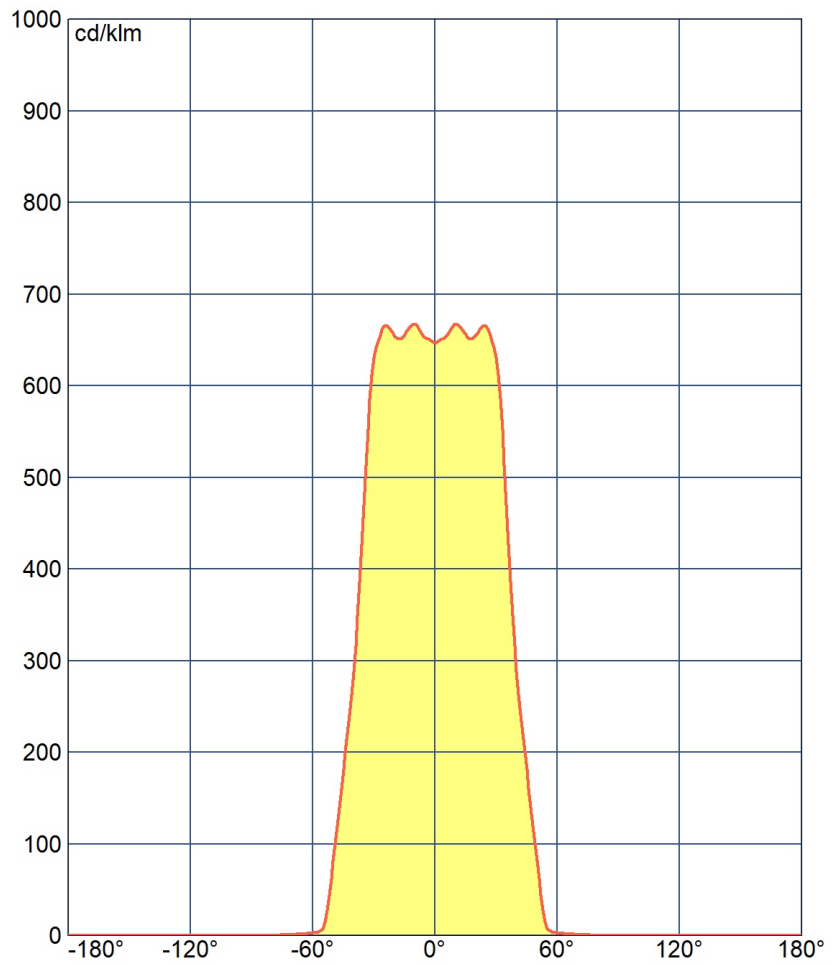
Diam=152mm



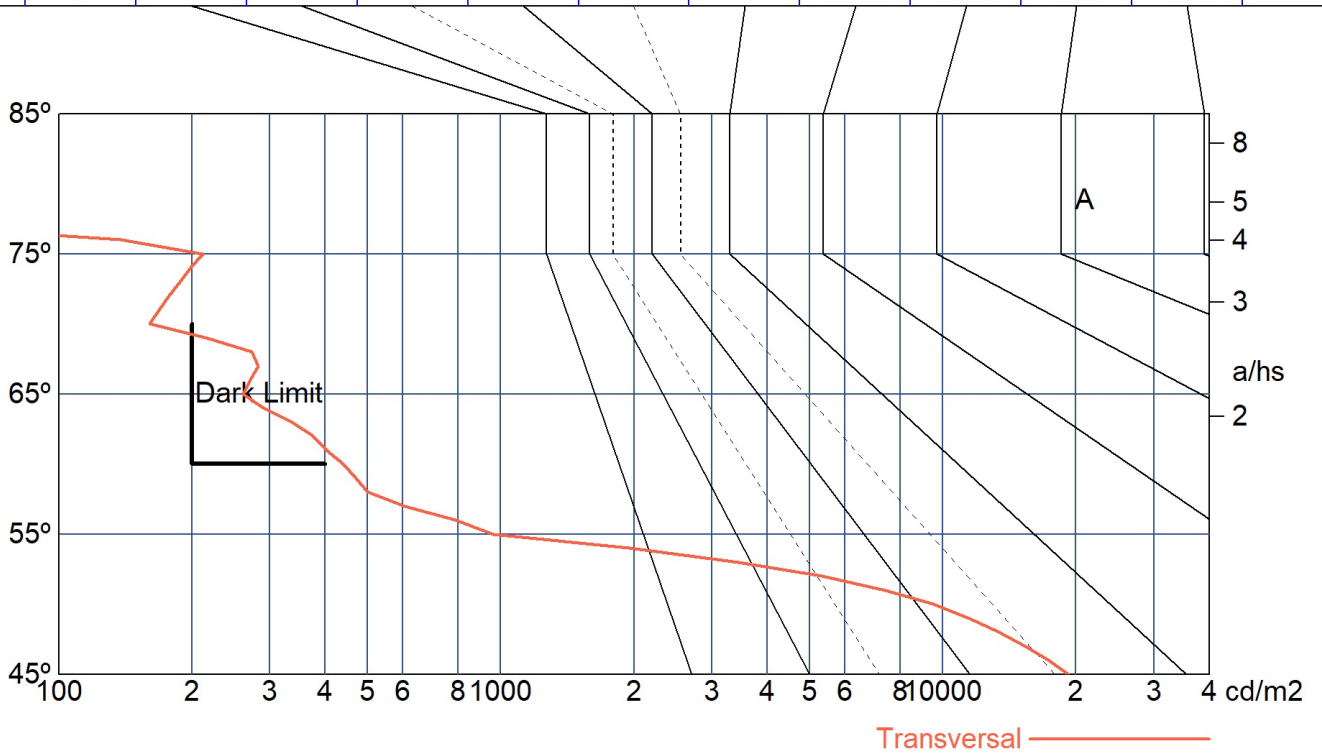
C Halfplanes

180.0 ——— 0.0

Flux 1363.90 lm
Maximum 667.22 cd/klm
Position C=0.00 G=10.00
Efficiency: 100.03%
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	0.80	E(0°) E(C0)	38.5°	3522 876
1.0	1.59	E(0°) E(C0)	38.5°	880 219
1.5	2.39	E(0°) E(C0)	38.5°	391 97
2.0	3.18	E(0°) E(C0)	38.5°	220 55
2.5	3.98	E(0°) E(C0)	38.5°	141 35
3.0	4.77	E(0°) E(C0)	38.5°	98 24

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 77.0°)

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	18.9	19.7	19.1	19.9	20.1	18.9	19.7	19.1	19.9	20.1
	3H	18.7	19.4	19.0	19.7	19.9	18.7	19.4	19.0	19.7	19.9
	4H	18.7	19.3	19.0	19.6	19.8	18.7	19.3	19.0	19.6	19.8
	6H	18.6	19.2	18.9	19.5	19.8	18.6	19.2	18.9	19.5	19.8
	8H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	12H	18.5	19.1	18.9	19.4	19.7	18.5	19.1	18.9	19.4	19.7
4H	2H	18.7	19.3	19.0	19.6	19.9	18.7	19.3	19.0	19.6	19.9
	3H	18.5	19.1	18.9	19.4	19.7	18.5	19.1	18.9	19.4	19.7
	4H	18.5	18.9	18.8	19.3	19.6	18.5	18.9	18.8	19.3	19.6
	6H	18.4	18.8	18.8	19.1	19.5	18.4	18.8	18.8	19.1	19.5
	8H	18.3	18.7	18.8	19.1	19.5	18.3	18.7	18.8	19.1	19.5
	12H	18.3	18.6	18.7	19.0	19.4	18.3	18.6	18.7	19.0	19.4
8H	4H	18.3	18.7	18.8	19.1	19.5	18.3	18.7	18.8	19.1	19.5
	6H	18.3	18.5	18.7	19.0	19.4	18.3	18.5	18.7	19.0	19.4
	8H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	12H	18.2	18.4	18.6	18.8	19.3	18.2	18.4	18.6	18.8	19.3
12H	4H	18.3	18.6	18.7	19.0	19.4	18.3	18.6	18.7	19.0	19.4
	6H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	8H	18.2	18.4	18.6	18.8	19.3	18.2	18.4	18.6	18.8	19.3

Variation of the observer position for the luminaire distance S

S = 1.0H	+3.3 / -17.5	+3.3 / -17.5
S = 1.5H	+5.9 / -21.8	+5.9 / -21.8
S = 2.0H	+7.9 / -23.7	+7.9 / -23.7
Standard table	BK00	BK00
Correction summand	0.2	0.2

Corrected glare indices referring to 1363lm total luminous flux