

Luminaire

Code VDL8A2
Name VDL8A2 - 12W

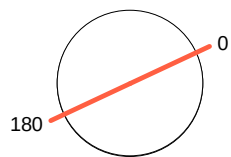
Measurement

Code TLG_SP_0042323
Name VDL8A2 - 12W

Luminaire Flux	1095.69 lm	Luminaire Power	10.60 W	Efficacy	103.37 lm/W	Efficiency	100.52%
Lamps Flux	1090.00 lm	Maximum value	1037.60 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	135 mm	Height	1 mm		
Round Luminous Area		Diam.	135 mm	Height	0 mm		
Horizontal Luminous Area		0.014314 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°		0.003463 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		1090.00 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	
	LED_CHLP_1090 10C6W	LED_CHLP_1090 10C6W	1090.00	10.60	1	
C.I.E.	93 99 100 100 101	D DIN 5040	A60			
F UTE	1.01 A	B NBN	BZ 1			

Diam=135mm

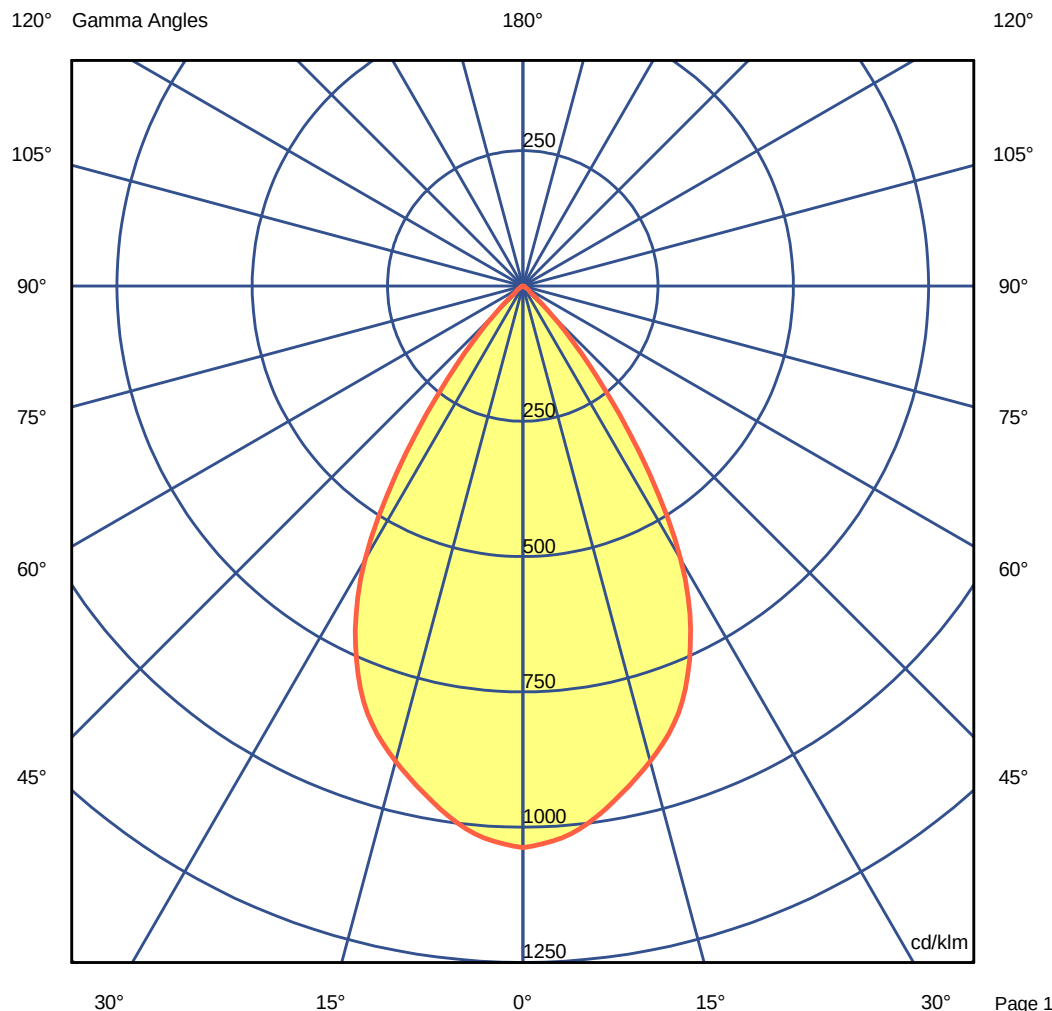


C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR100.52 %



Luminaire

Code VDL8A2
Name VDL8A2 - 12W

Measurem.

Code TLG_SP_0042323
Name VDL8A2 - 12W

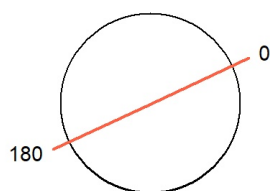
Luminaire Flux	1095.69 lm	Luminaire Power	10.60 W	Efficacy	103.37 lm/W	Efficiency	100.52%
Lamps Flux	1090.00 lm	Maximum value	1037.60 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 1/1

C 0.00

G 0.0	1037.60
G 5.0	1015.80
G 10.0	966.70
G 15.0	908.60
G 20.0	839.90
G 25.0	732.20
G 30.0	583.10
G 35.0	376.20
G 40.0	192.10
G 45.0	78.00
G 50.0	18.80
G 55.0	13.60
G 60.0	6.10
G 65.0	4.00
G 70.0	2.30
G 75.0	1.30
G 80.0	0.60
G 85.0	0.20
G 90.0	0.10
G 95.0	0.00
G100.0	0.00
G105.0	0.00
G110.0	0.00
G115.0	0.00
G120.0	0.00
G125.0	0.00
G130.0	0.00
G135.0	0.00
G140.0	0.00
G145.0	0.00
G150.0	0.00
G155.0	0.00
G160.0	0.00
G165.0	0.00
G170.0	0.00
G175.0	0.00
G180.0	0.00

Diam=135mm



C Halfplanes

180.0 ——— 0.0

Flux 1090.00 lm

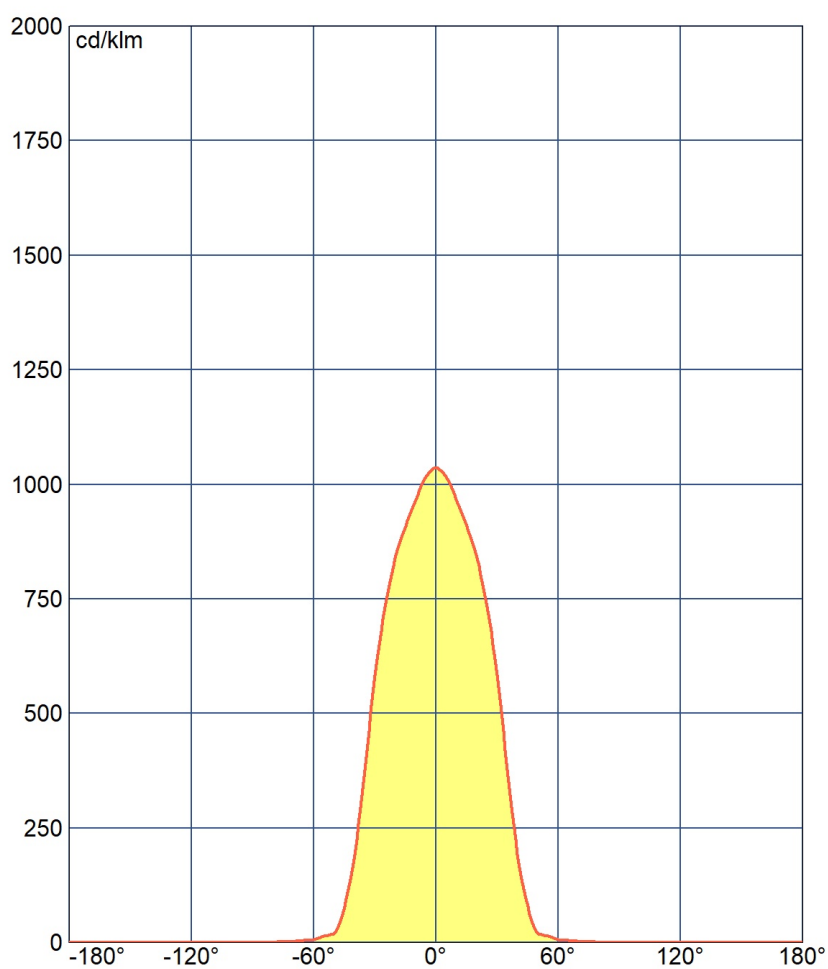
Maximum 1037.60 cd/klm

Position C=0.00 G=0.00

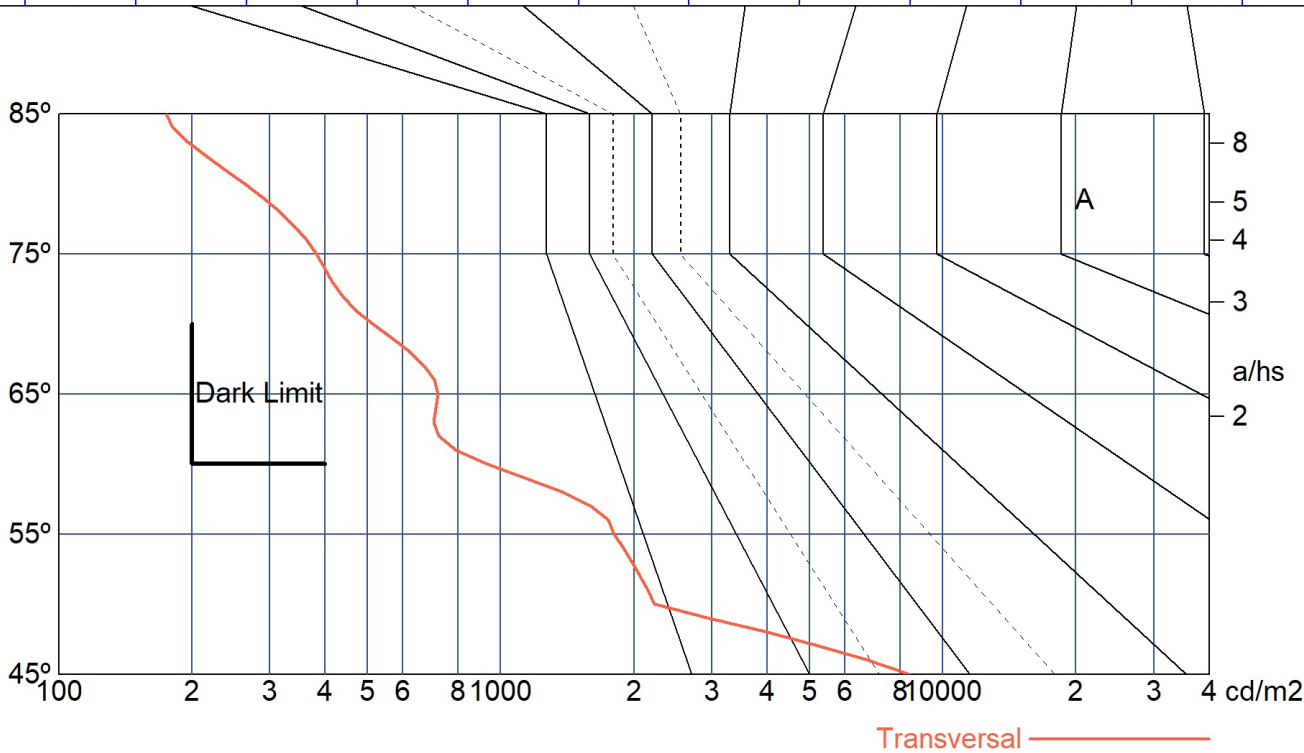
Efficiency: 100.52%

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	0.61	E(0°) E(C0)	31.5°	4524 1408
1.0	1.23	E(0°) E(C0)	31.5°	1131 352
1.5	1.84	E(0°) E(C0)	31.5°	503 156
2.0	2.45	E(0°) E(C0)	31.5°	283 88
2.5	3.06	E(0°) E(C0)	31.5°	181 56
3.0	3.68	E(0°) E(C0)	31.5°	126 39

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 63.0°)

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	16.4	17.1	16.6	17.3	17.5	16.4	17.1	16.6	17.3	17.5
	3H	16.3	16.9	16.6	17.1	17.4	16.3	16.9	16.6	17.1	17.4
	4H	16.2	16.8	16.5	17.1	17.3	16.2	16.8	16.5	17.1	17.3
	6H	16.1	16.7	16.5	17.0	17.2	16.1	16.7	16.5	17.0	17.2
	8H	16.1	16.6	16.4	16.9	17.2	16.1	16.6	16.4	16.9	17.2
	12H	16.1	16.6	16.4	16.9	17.2	16.1	16.6	16.4	16.9	17.2
4H	2H	16.2	16.8	16.5	17.1	17.3	16.2	16.8	16.5	17.1	17.3
	3H	16.1	16.6	16.4	16.9	17.2	16.1	16.6	16.4	16.9	17.2
	4H	16.0	16.4	16.4	16.8	17.1	16.0	16.4	16.4	16.8	17.1
	6H	15.9	16.3	16.3	16.7	17.0	15.9	16.3	16.3	16.7	17.0
	8H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	12H	15.9	16.1	16.3	16.5	17.0	15.9	16.1	16.3	16.5	17.0
8H	4H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	6H	15.8	16.1	16.3	16.5	16.9	15.8	16.1	16.3	16.5	16.9
	8H	15.8	16.0	16.2	16.4	16.9	15.8	16.0	16.2	16.4	16.9
	12H	15.7	15.9	16.2	16.4	16.8	15.7	15.9	16.2	16.4	16.8
12H	4H	15.9	16.1	16.3	16.5	17.0	15.9	16.1	16.3	16.5	17.0
	6H	15.8	16.0	16.2	16.4	16.9	15.8	16.0	16.2	16.4	16.9
	8H	15.7	15.9	16.2	16.4	16.8	15.7	15.9	16.2	16.4	16.8
Variation of the observerposition for the luminaire distance S											
S = 1.0H		+4.5 / -10.6					+4.5 / -10.6				
S = 1.5H		+7.2 / -13.0					+7.2 / -13.0				
S = 2.0H		+9.2 / -14.1					+9.2 / -14.1				
Standard table		BK00					BK00				
Correction summand		-2.3					-2.3				
Corrected glare indices referring to 1090lm total luminous flux											