



## Clous 160mm Double Emission

LedsC4 Team

Superfície de Parede IP66 Clous 160mm Double Emission LED 13W 3000K ON-OFF Cinzento urbano 758lm

### Características técnicas

Potência total luminária: 13W

Lúmenes reais: 758

Lm/W reais: 58

Temperatura da cor correlacionada (CCT): 3000K

Ângulo Óticas / Refletor: FLOOD 86°

Material da estrutura: Alumínio

Acabamento estrutura: Cinzento urbano

Material do difusor: Vidro

Acabamento difusor: Mate

Tensão / Frequência: 100-240V ~ 50/60Hz

Protocolo de regulação: ON-OFF

Power Factor: 0.90

Vida útil: 50,000h L80B20

Garantia: 5 anos

Resistência a ambientes marinhos: Não

Luminária facilmente reciclável



### Características luminotécnicas

CRI: 80

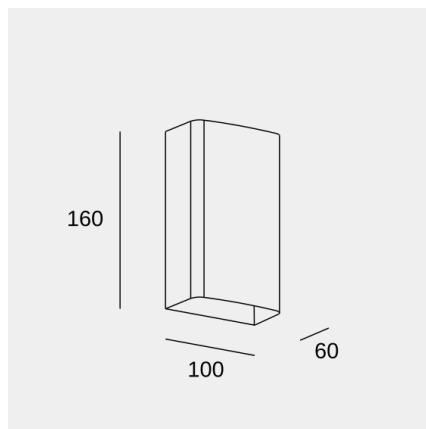
MacAdam steps: 3

Risco fotobiológico: RGO

UGR Transversal: 17.1

UGR Longitudinal: 12.1

Casquilhos	Quantidade	Potência fonte de luz (W)	Temperatura da cor correlacionada (CCT)
LED	1	11W	3000K



A imagem pode não coincidir com a referência, a LedsC4 reserva-se o direito de modificar algum dos componentes que compõem o produto. Os dados relativos a fluxo, potência e temperatura de cor podem estar sujeitos a alterações por parte do fabricante.

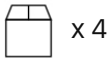


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### Logística



x 4

Peso líquido (kg): 0.79

Peso embalado (kg): 0.94

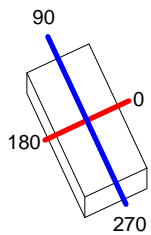
Embalagem: 175mm x 110mm x 70mm

A imagem pode não coincidir com a referência, a LedsC4 reserva-se o direito de modificar algum dos componentes que compõem o produto. Os dados relativos a fluxo, potência e temperatura de cor podem estar sujeitos a alterações por parte do fabricante.

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>		
Code	05-9679	Code	05-9679	Code	11	
Name	WALL FIXTURES	Name	WALL FIXTURES	Number	6	
Line	Eulumdat	Date	15-03-2013	Position		
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm	
Maximum value	70.84 cd	Position	C=0.00 G=180.00	Asymmetrical		
Rectangular Luminaire	Length	100 mm	Width	50 mm	Height	25 mm
Rectangular Luminous Area	Length	100 mm	Width	50 mm	Height	24 mm
Horizontal Luminous Area	0.005000 m2	Emitting area on Plane 180°		0.002500 m2		
Emitting area on Plane 0°	0.002500 m2	Emitting area on Plane 270°		0.001250 m2		
Emitting area on Plane 90°	0.001250 m2	Glare area at 76°		0.003635 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		180		
Measurement Distance	0.00	Measurement Flux		600.00 lm		
Operator		Source voltage				
Temperature	25.00 °C	Source current				
Humidity	60.00 %	Photocell				
Notes						

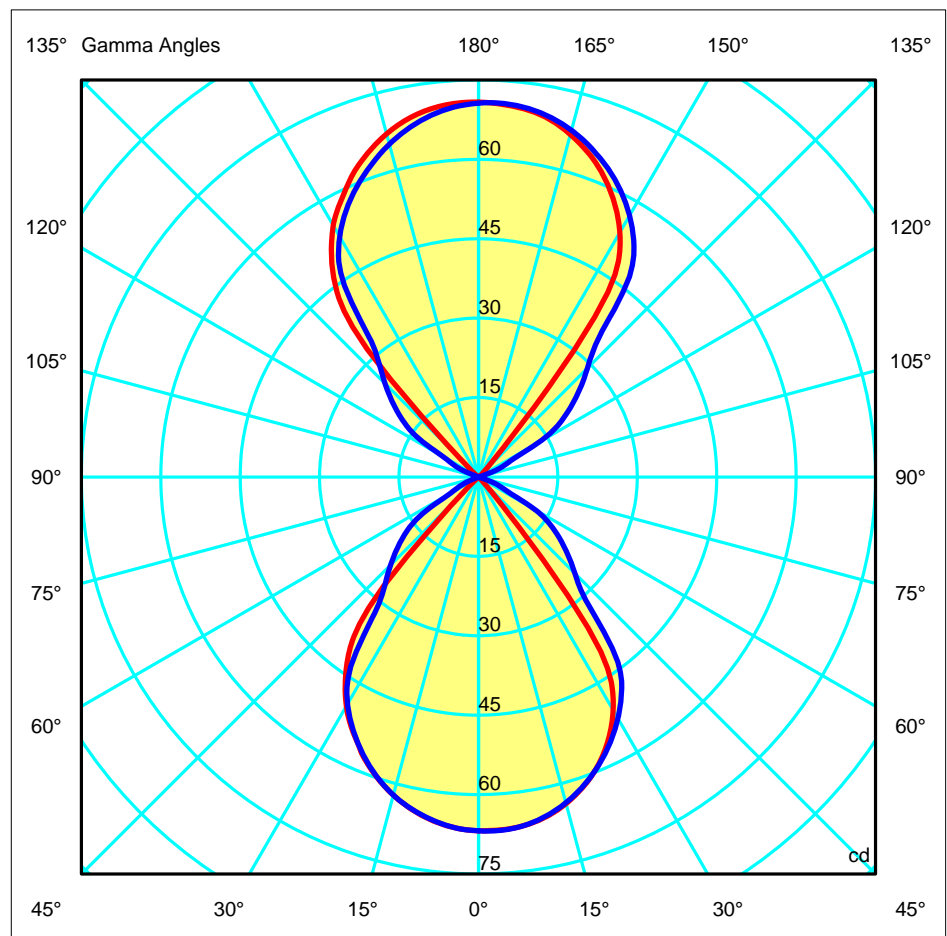
Line		Luminaire Lamps			Flux [lm]	Pow. [W]	Q.ty
Eulumdat	Code	Name					
	11	11 - 1.47 W			100.00	1.47	6
C.I.E.	80 99 100 48 34		D DIN 5040	C62			
F UTE	0.17 B + 0.18 T		B NBN	BZ 1			

100mm x 50mm



C Halfplanes  
 180.0 — 0.0  
 270.0 — 90.0

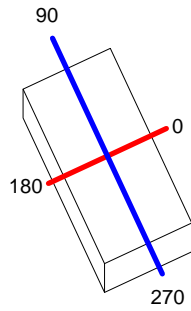
ULOR 17.90 %  
 DLOR 16.52 %  
 RN 52.01 %



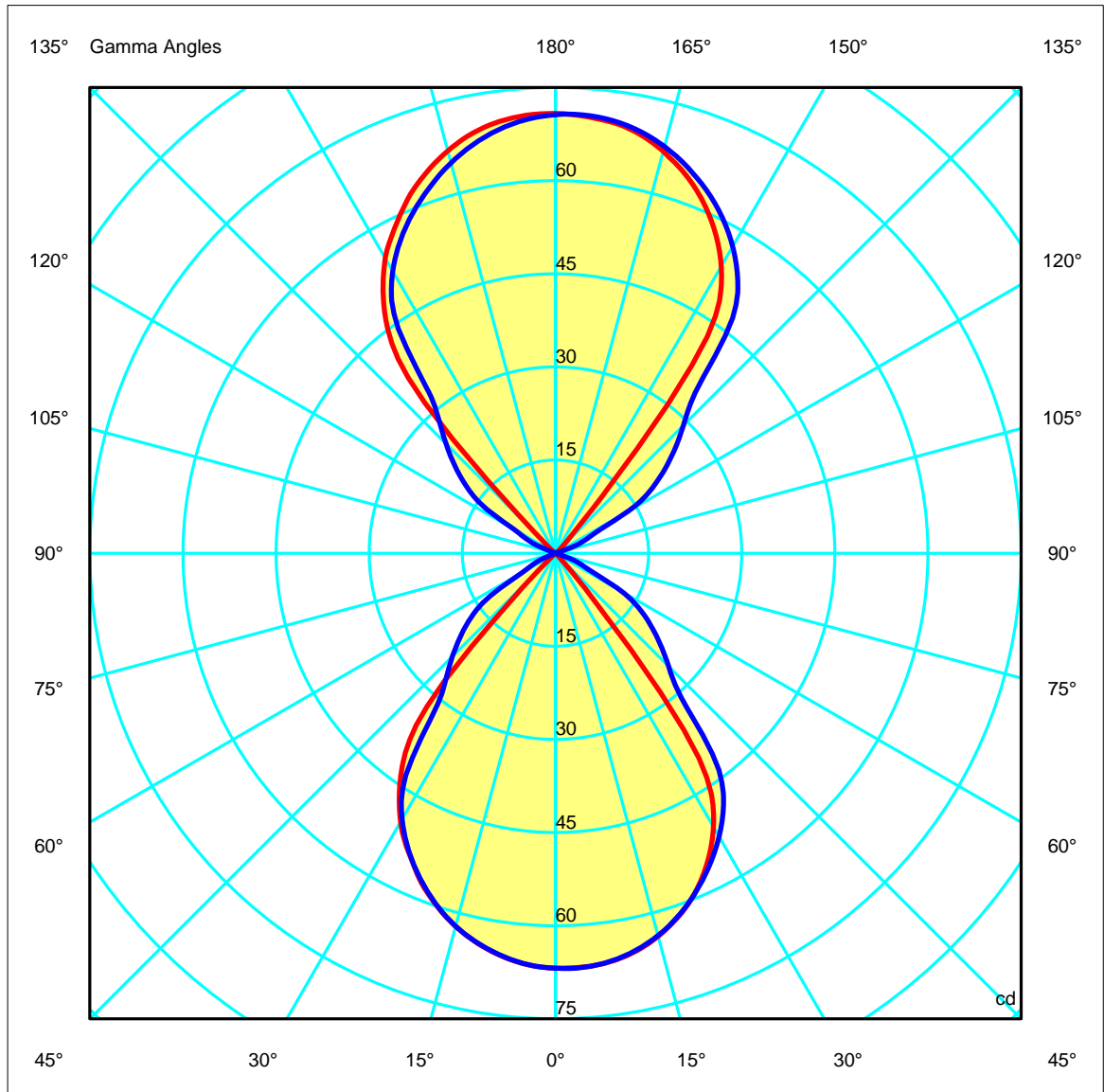
<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
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100mm x 50mm

C Halfplanes



180.0 ——— 0.0  
 270.0 ——— 90.0

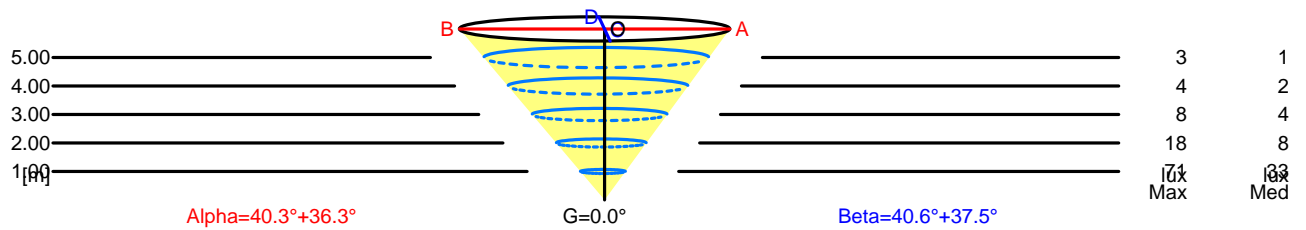


<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
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Line	Eulumdat	Date	15-03-2013	Position	
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.73	1.47	2.20	2.93	3.67	OC	0.86	1.71	2.57	3.43	4.28
OB	0.85	1.70	2.55	3.39	4.24	OD	0.77	1.53	2.30	3.07	3.83

	Luminous Intensities [ cd ]									
	0	5	15	25	35	45	55	65	75	85
OA	70.84	70.36	67.02	59.27	42.63	1.69	0.00	0.00	0.00	0.00
OB	70.84	70.56	67.09	59.62	48.14	4.83	0.00	0.00	0.00	0.00
OC	70.63	70.62	67.81	61.52	51.15	29.14	19.80	5.71	0.00	0.00
OD	70.63	69.72	65.10	57.54	44.16	24.94	16.18	4.64	0.00	0.00



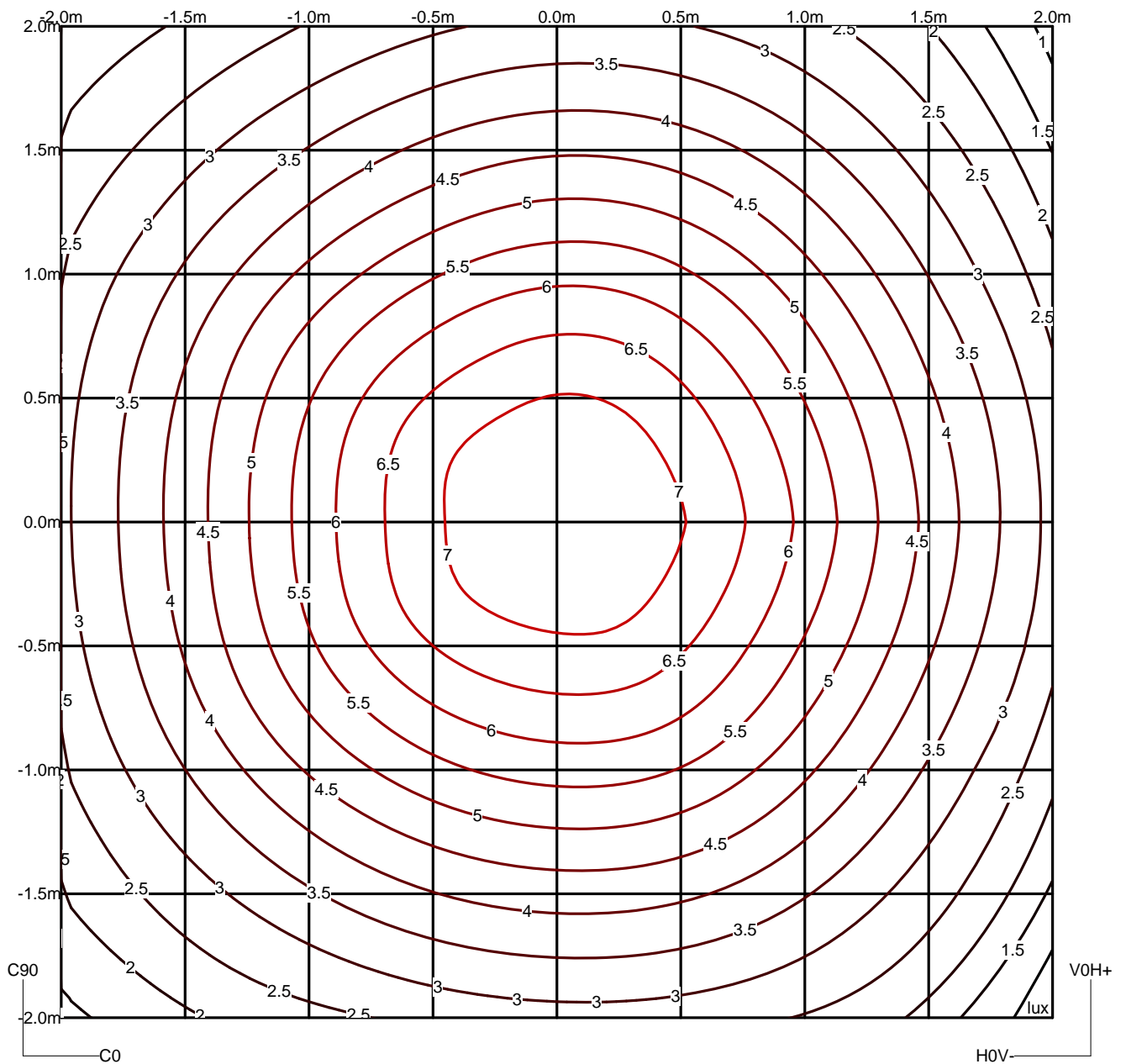
5.00	7.91	3	1	
4.00	6.33	4	2	
3.00	4.75	8	4	
2.00	3.16	18	8	
1.00	1.58	71	33	
H[m]	D[m]	Max lux	Med lux	

5.00	8.12	3	1	
4.00	6.49	4	2	
3.00	4.87	8	4	
2.00	3.25	18	8	
1.00	1.62	71	33	
H[m]	D[m]	Max lux	Med lux	

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
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Isolux (Floor)

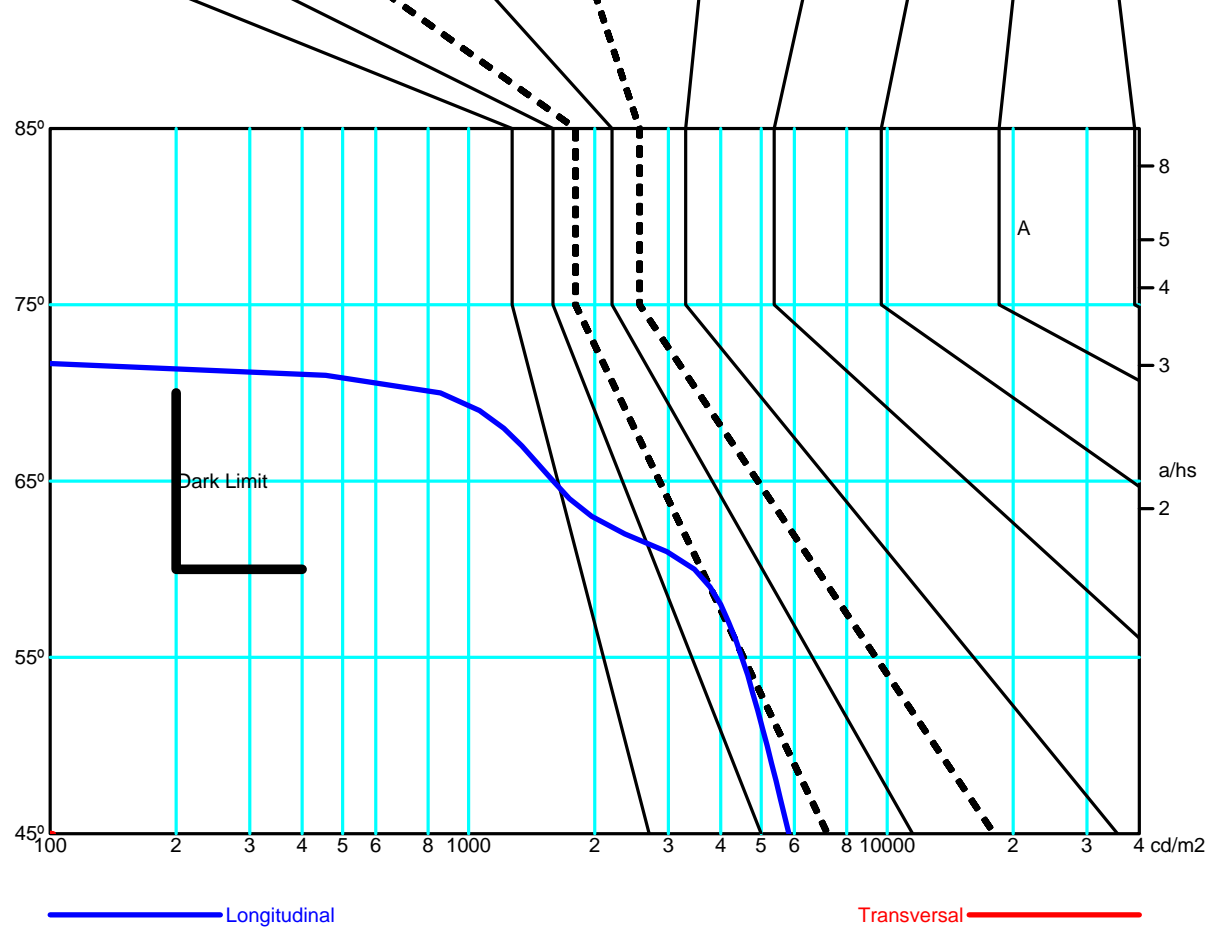
Luminaire position X=0.00m Y=0.00m Z=3.00m



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
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Average Luminance [cd/m <sup>2</sup> ]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
90.0°	102	0	0	0	0	0	0	0	0	---
	5824	5164	4491	3464	1593	856	0	0	0	---

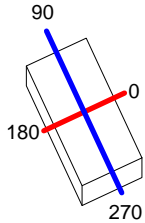
Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300				1.15	
B	1		2000	1500	1000	750	500	<300			1.5	
C					2000		1000	500	<300		1.85	
D	2						2000	1000	500	<300	2.2	
E	3							2000	1000	500	<300	2.55



# LedsC4

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
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Line	Eulumat	Date	15-03-2013	Position	
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm

100mm x 50mm



C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	05-9679	Code	05-9679	Code	11
Name	WALL FIXTURES	Name	WALL FIXTURES	Number	6
Line	Eulumdat	Date	15-03-2013	Position	
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm

**UGR**  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	9.5	10.1	10.4	11.0	14.6	12.1	12.7	12.9	13.6	14.6
x=2H y=3H	9.2	9.8	10.2	10.7	14.5	11.8	12.4	12.8	13.3	14.5
x=2H y=4H	9.1	9.6	10.0	10.5	14.3	11.7	12.2	12.7	13.1	14.3
x=2H y=6H	8.9	9.4	9.9	10.3	14.1	11.5	12.0	12.5	13.0	14.1
x=2H y=8H	8.8	9.3	9.8	10.2	14.1	11.5	11.9	12.4	12.9	14.1
x=2H y=12H	8.7	9.2	9.7	10.1	14.0	11.4	11.8	12.3	12.8	14.0
x=4H y=2H	9.4	9.9	10.4	10.9	14.3	11.7	12.2	12.6	13.1	14.3
x=4H y=3H	9.1	9.5	10.1	10.5	14.0	11.4	11.8	12.4	12.8	14.0
x=4H y=4H	8.9	9.3	9.9	10.3	13.9	11.3	11.6	12.2	12.6	13.9
x=4H y=6H	8.8	9.1	9.8	10.1	13.7	11.1	11.4	12.1	12.4	13.7
x=4H y=8H	8.7	9.0	9.7	10.0	13.6	11.0	11.3	12.0	12.3	13.6
x=4H y=12H	8.6	8.9	9.7	9.9	13.5	10.9	11.2	12.0	12.2	13.5
x=8H y=4H	8.7	9.0	9.7	10.0	13.6	11.0	11.3	12.0	12.3	13.6
x=8H y=6H	8.6	8.8	9.6	9.8	13.4	10.9	11.1	11.9	12.1	13.4
x=8H y=8H	8.5	8.7	9.5	9.7	13.4	10.8	11.0	11.8	12.0	13.4
x=8H y=12H	8.4	8.5	9.4	9.6	13.3	10.7	10.8	11.7	11.9	13.3
x=12H y=4H	8.6	8.9	9.7	9.9	13.5	10.9	11.2	12.0	12.2	13.5
x=12H y=6H	8.5	8.7	9.5	9.7	13.4	10.8	11.0	11.8	12.0	13.4
x=12H y=8H	8.4	8.5	9.4	9.6	13.3	10.7	10.8	11.7	11.9	13.3

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Total Flux=600.00 Luminaire Flux=206.51

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.56	0.64	0.70	0.76	0.80	0.86	0.90	0.92	0.94	0.96	0.98	0.99
RC	1	-	-	-	-	-	-	-	-	-	-	-

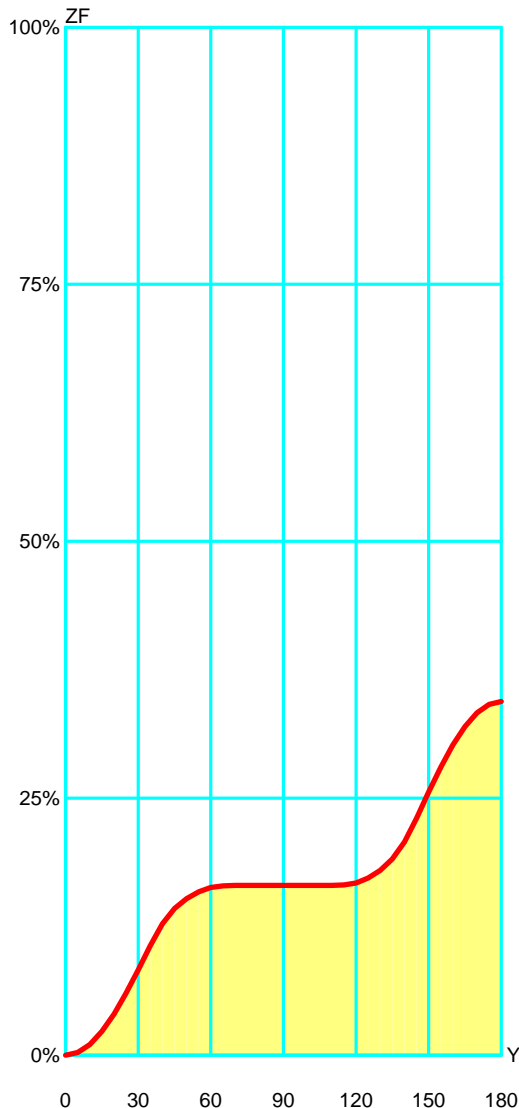
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	11	40	83	128	152	163	165	165	165	165	165	168	180	207	256	302	333	344

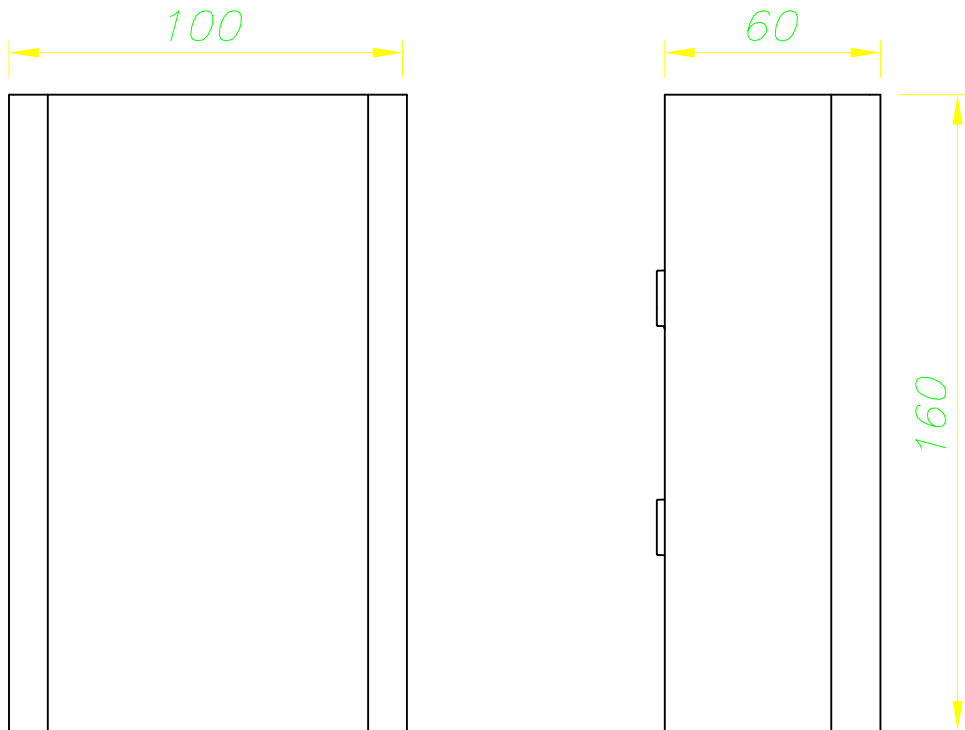
CIE Flux Codes

80 99 100 48 34

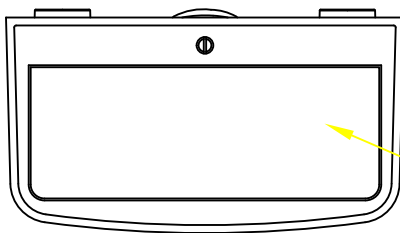
C.I.E.	1/-/-/-/-/-/-/-/-/-	LOR	34.41860 %
D DIN 5040	C62	ULOR	17.90000 %
F UTE	0.17 B + 0.18 T	DLOR	16.51860 %
B NBN	BZ 1	UFF	52.00675 %
RN	52.00675 %	DFF	47.99325 %
BLF	1.0	FFR	108.36264 %



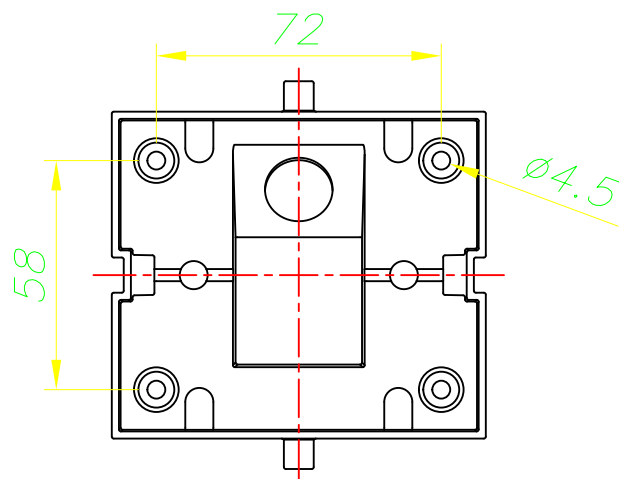
Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.66	2.66	0.77 %	0.77 %
10°	7.85	10.51	2.28 %	3.05 %
15°	12.68	23.19	3.69 %	6.74 %
20°	16.90	40.09	4.91 %	11.65 %
25°	20.28	60.37	5.89 %	17.54 %
30°	22.59	82.96	6.56 %	24.10 %
35°	23.55	106.50	6.84 %	30.94 %
40°	21.40	127.90	6.22 %	37.16 %
45°	14.82	142.72	4.31 %	41.47 %
50°	9.64	152.36	2.80 %	44.27 %
55°	6.62	158.98	1.92 %	46.19 %
60°	4.28	163.27	1.24 %	47.44 %
65°	1.50	164.77	0.44 %	47.87 %
70°	0.38	165.15	0.11 %	47.98 %
75°	0.04	165.19	0.01 %	47.99 %
80°	0.00	165.19	0.00 %	47.99 %
85°	0.00	165.19	0.00 %	47.99 %
90°	0.00	165.19	0.00 %	47.99 %
95°	0.00	165.19	0.00 %	47.99 %
100°	0.00	165.19	0.00 %	47.99 %
105°	0.00	165.19	0.00 %	47.99 %
110°	0.03	165.22	0.01 %	48.00 %
115°	0.48	165.70	0.14 %	48.14 %
120°	1.81	167.50	0.53 %	48.67 %
125°	4.90	172.41	1.42 %	50.09 %
130°	7.45	179.86	2.16 %	52.26 %
135°	11.00	190.86	3.20 %	55.45 %
140°	16.51	207.37	4.80 %	60.25 %
145°	23.29	230.66	6.77 %	67.02 %
150°	25.34	256.00	7.36 %	74.38 %
155°	24.15	280.15	7.02 %	81.39 %
160°	21.56	301.71	6.26 %	87.66 %
165°	17.92	319.62	5.21 %	92.86 %
170°	13.44	333.06	3.90 %	96.77 %
175°	8.32	341.38	2.42 %	99.18 %
180°	2.81	344.19	0.82 %	100.00 %



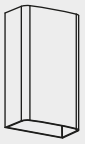
ALUMINIO INYECTADO  
INJECTED ALUMINUM



CRISTAL MATE  
ACID MATT GLASS



PLANTILLA DE INSTALACIÓN  
INSTALLATION TEMPLATE



# CLOUS

DOUBLE EMISSION

