

# LEDS C4

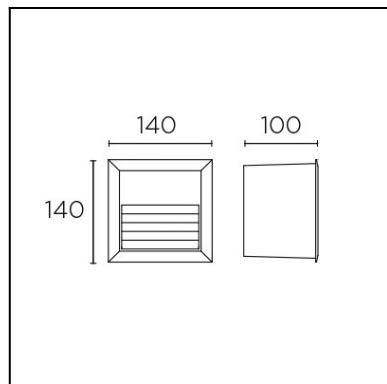
## MICENAS PATH

### 05-9770-34-M2

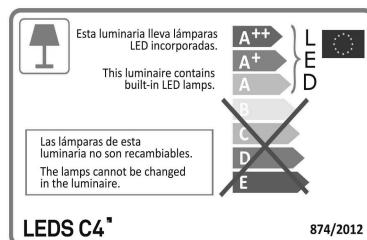
OUT 



El acabado de la fotografía puede no coincidir con el de la referencia. Para identificar el real ver descripción del acabado.



Descargar formato .ldt / .ies



Haga clic en la imagen para descargar la etiqueta energética

#### CARACTERÍSTICAS TÉCNICAS

Tipo:	EMPOTRABLE DE PARED
Índice protección IP:	IP65
Fuente de luz 1:	18 x LED 2W Blanco neutro - 4000K 198 lm <sup>(N)</sup> CRI 70
Índice resistencia IK:	IK10
Ángulo Ópticas / Reflector:	
Voltaje / Frecuencia:	220-240VAC/50-60Hz
Garantía:	2
Posibilidad de extensión de garantía:	5
Unidades por caja:	20
Peso neto (Kg):	0.535
Código EAN:	8435381411527



#### MATERIALES / ACABADOS

**Material estructura:** Aluminio inyectado

**Acabado estructura:** Gris

**Material difusor:** Policarbonato

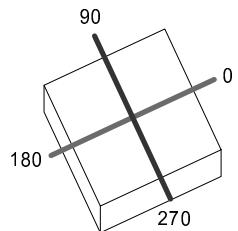
**Acabado difusor:** Transparente

#### EQUIPO

Equipo incluido: Sí, electrónico

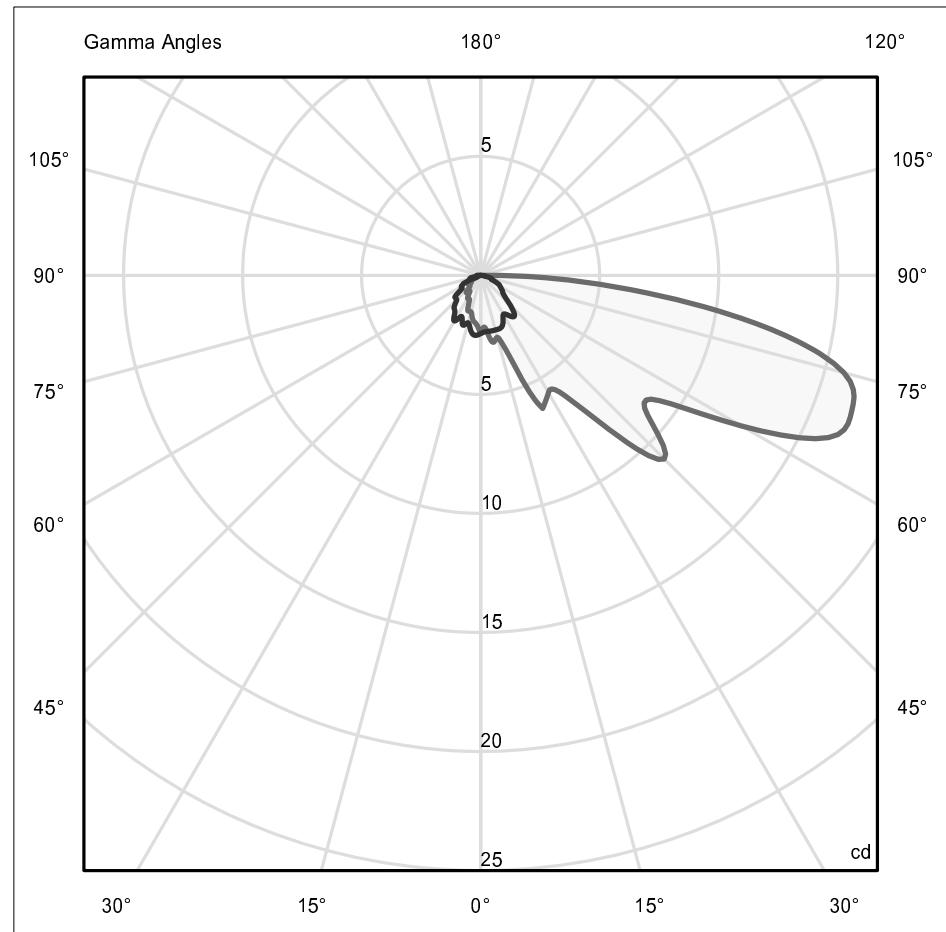
Luminaire	Measurem.	Lamp
Code	Code	Code
Name	Name	Number
Line	Date	Position
RECESSED MICENAS	RECESSED 29-06-2013	G02501 1
Efficiency	99.98%	CG
Maximum value	16.59 cd	Position C=0.00 G=70.00
Rectangular Luminaire Rectangular Luminous Area	Length Length	1 mm 1 mm
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	Width Width	1 mm 1 mm
Height Height	1 mm 0 mm	
Symmetry Type Measurement Distance	Asymmetrical 0.00	Maximum Gamma Angle Measurement Flux
Operator Temperature Humidity Notes	25.00 °C 60.00 %	Source voltage Source current Photocell
Line IESNA-1995	Code G02501	Luminaire Lamps
C.I.E. F UTE	22 48 83 100 100 1.00 J	Name Eö·á 3528 - 0.60 W
		Flux [lm] 19.71
		Pow. [W] 0.60
		Q.ty 1

1mm x 1mm



C Halfplanes  
 180.0 ————— 0.0  
 270.0 ————— 90.0

ULOR 0.00 %  
 DLOR 99.98 %  
 RN 0.00 %



**Luminaire**  
 Code 05-9770  
 Name RECESSED  
 Line MICENAS

Efficiency 99.98%

**Measurem.**  
 Code 05-9770  
 Name RECESSED  
 Date 29-06-2013

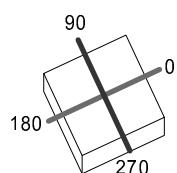
Coordinate system CG

**Lamp**  
 Code G02501  
 Number 1  
 Position

Total Flux 19.71 lm

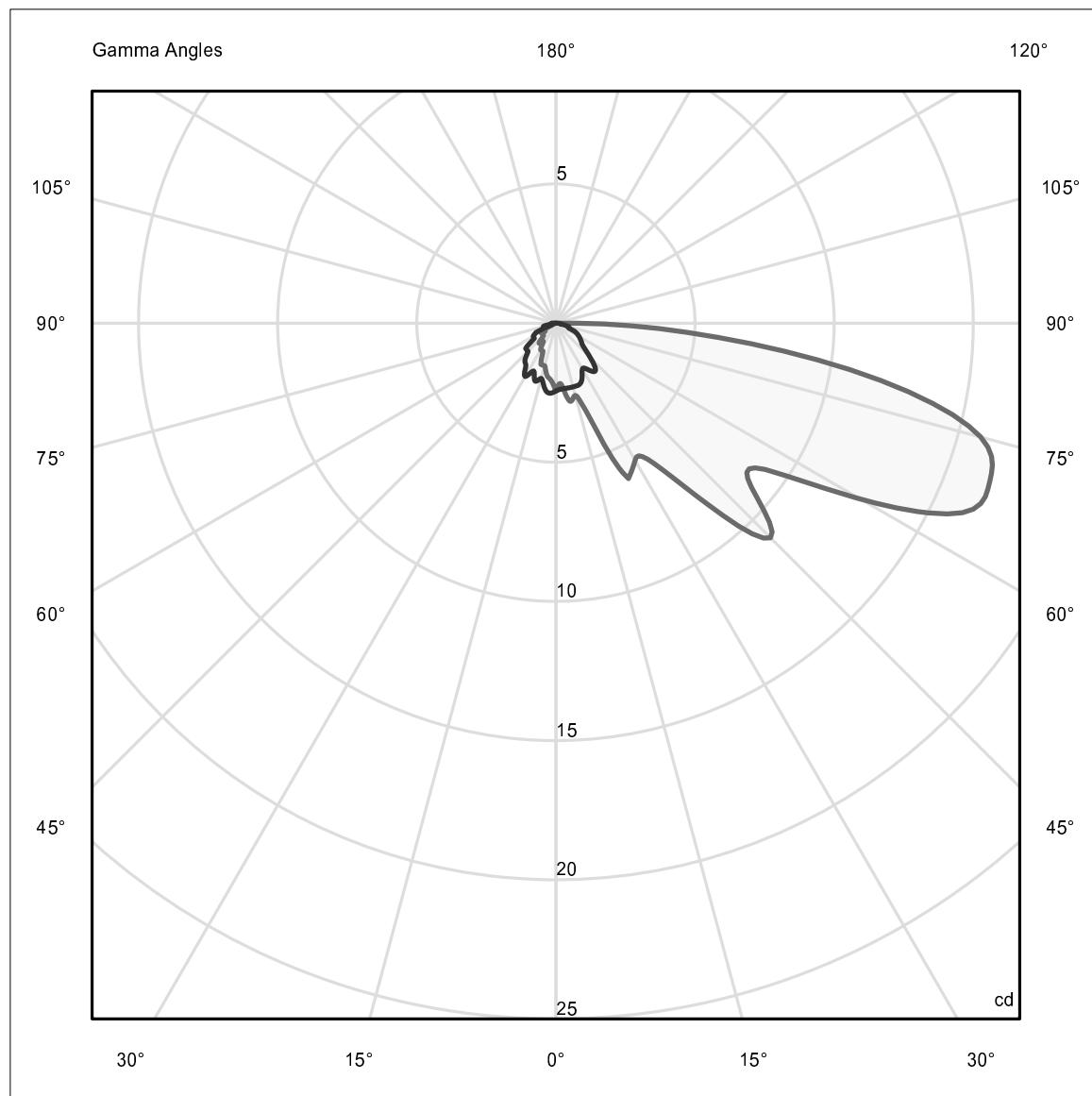
1mm x 1mm

C Halfplanes



180.0 ————— 0.0

270.0 ————— 90.0

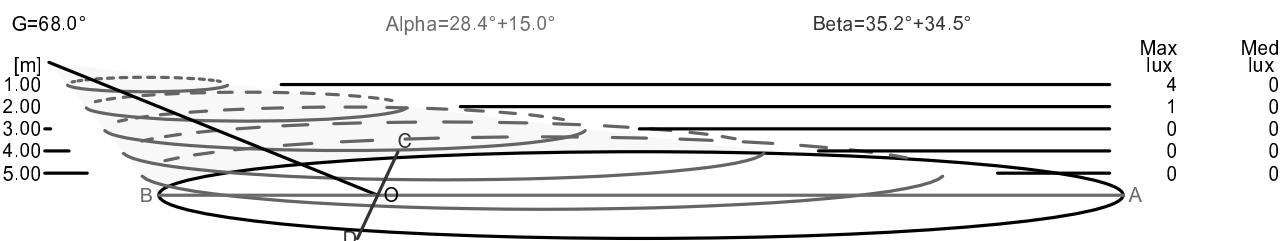


Luminaire				Measurem.				Lamp			
Code	05-9770	Name	RECESSED	Code	05-9770	Name	RECESSED	Code	G02501	Number	Position
Line	MICENAS			Date	29-06-2013					1	
Efficiency	99.98%			Coordinate system	CG			Total Flux	19.71 lm		

Width at 50.00 % of MaxLux

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	5.61	11.22	16.84	22.45	28.06	OC	1.88	3.77	5.65	7.53	9.41
OB	1.65	3.29	4.94	6.59	8.23	OD	1.84	3.67	5.51	7.35	9.19

	0	5	15	25	35	45	55	65	75	85
OA	2.43	2.21	2.69	6.16	6.16	10.90	9.16	16.12	15.80	5.85
OB	2.43	2.05	1.58	1.11	0.79	0.63	0.47	0.16	0.16	0.16
OC	2.43	2.37	2.37	2.21	2.05	1.74	1.11	0.79	0.47	0.16
OD	2.43	2.53	2.05	1.90	1.90	1.42	0.95	0.79	0.47	0.16



H[m]	D[m]	Max lux	Med lux	Alpha=28.4°+15.0°	G=68.0
1.00	7.26	4	0		
2.00	14.52	1	0		
3.00	21.78	0	0		
4.00	29.03	0	0		
5.00	36.29	0	0		

H[m]	D[m]	Max lux	Med lux	Beta=34.5°+35.2°	G=0.0
1.00	3.72	4	0		
2.00	7.44	1	0		
3.00	11.16	0	0		
4.00	14.88	0	0		
5.00	18.60	0	0		

**Luminaire**  
 Code 05-9770  
 Name RECESSED  
 Line MICENAS

Efficiency 99.98%

**Measurem.**  
 Code 05-9770  
 Name RECESSED  
 Date 29-06-2013

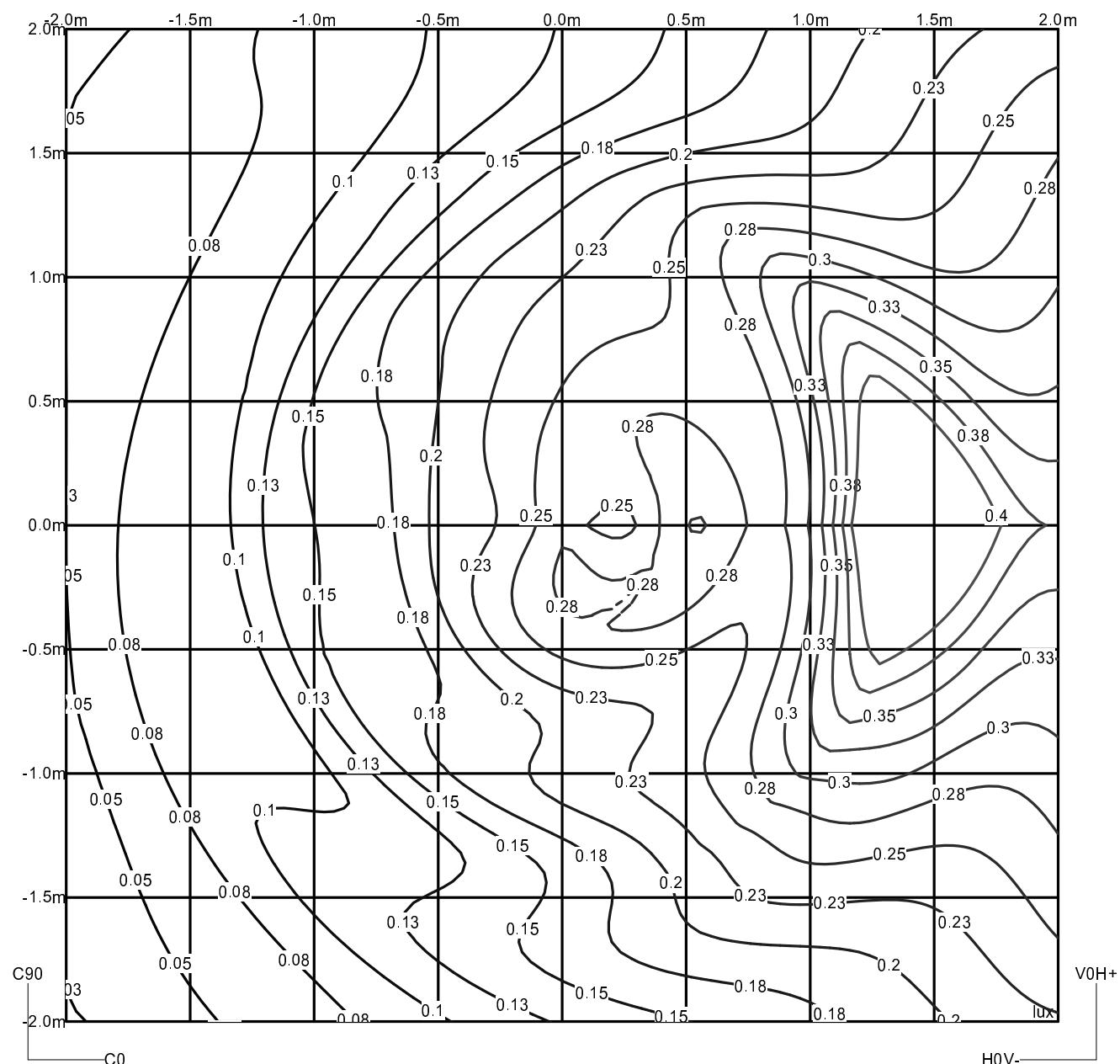
Coordinate system CG

**Lamp**  
 Code G02501  
 Number 1  
 Position

Total Flux 19.71 lm

### Isolux (Floor)

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



**Luminaire**  
 Code 05-9770  
 Name RECESSED  
 Line MICENAS

**Measurem.**  
 Code 05-9770  
 Name RECESSED  
 Date 29-06-2013

**Lamp**  
 Code G02501  
 Number 1  
 Position

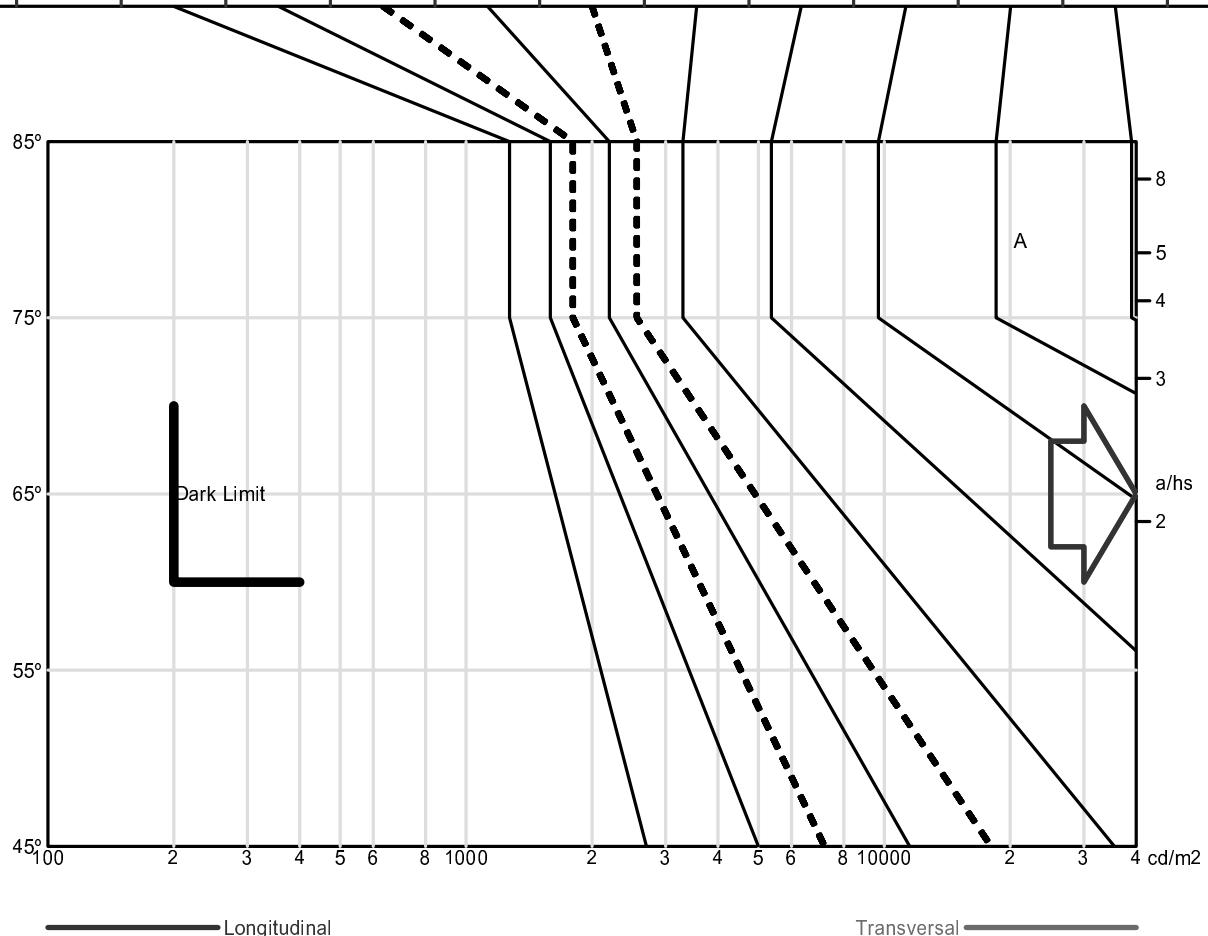
Efficiency 99.98%

Coordinate system CG

Total Flux 19.71 lm

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	15418181	14257120	15977469	25280800	38134888	48507377	61048444	68243734	67077622	---
90.0°	2458045	1966435	1928252	1896000	1869299	1385883	1831395	909886	1812847	---

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					
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



**Luminaire**  
 Code 05-9770  
 Name RECESSED  
 Line MICENAS

**Measurem.**  
 Code 05-9770  
 Name RECESSED  
 Date 29-06-2013

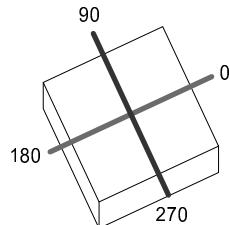
**Lamp**  
 Code G02501  
 Number 1  
 Position

Efficiency 99.98%

Coordinate system CG

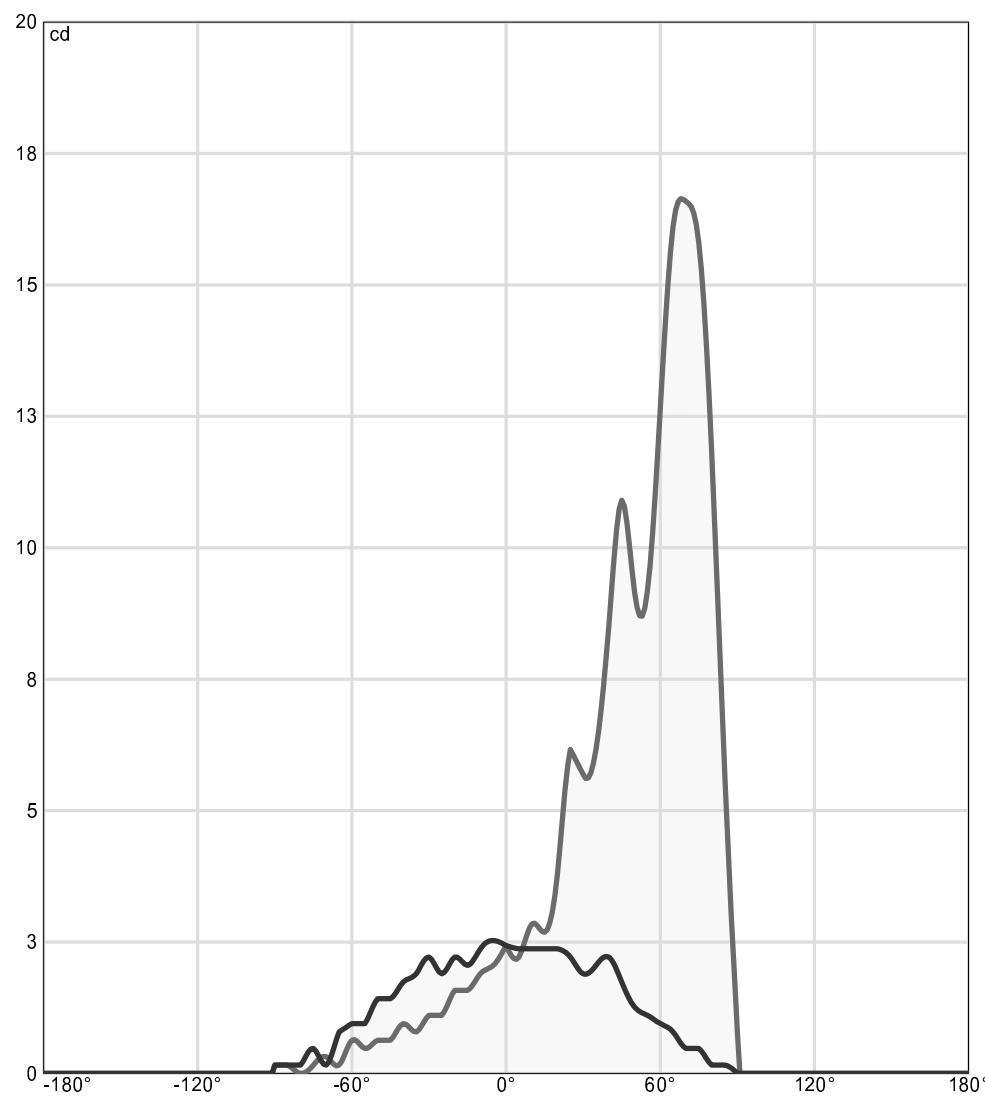
Total Flux 19.71 lm

1mm x 1mm



C Halfplanes

180.0 0.0  
 270.0 90.0



Luminaire	Measurem.	Lamp
Code	Code	Code
Name	Name	Number
Line	Date	Position
05-9770	RECESSED	G02501
MICENAS	29-06-2013	1
Efficiency	Coordinate system	Total Flux
99.98%	CG	19.71 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
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
WorkingPlane	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	29.7	31.5	30.0	31.7	41.1	38.8	40.6	39.1	40.8
x=2H y=3H	30.7	32.3	31.0	32.6	42.6	40.4	42.0	40.8	42.3
x=2H y=4H	31.3	32.9	31.7	33.2	43.4	41.2	42.7	41.6	43.0
x=2H y=6H	31.3	32.7	31.6	33.1	43.8	41.6	43.1	42.0	43.4
x=2H y=8H	31.3	32.7	31.7	33.1	43.8	41.7	43.1	42.1	43.5
x=2H y=12H	32.0	33.4	32.4	33.8	43.9	41.8	43.2	42.2	43.8
x=4H y=2H	30.4	31.9	30.8	32.2	45.8	43.6	45.2	44.0	45.5
x=4H y=3H	31.6	33.0	32.1	33.4	47.5	45.4	46.8	45.9	47.2
x=4H y=4H	32.3	33.6	32.8	34.0	48.4	46.3	47.6	46.8	48.0
x=4H y=6H	32.3	33.4	32.8	33.8	48.8	46.9	48.0	47.3	48.4
x=4H y=8H	32.4	33.4	32.8	33.8	48.8	47.0	48.0	47.4	48.8
x=4H y=12H	33.4	34.3	33.8	34.7	48.9	47.0	48.0	47.5	48.4
x=8H y=4H	32.7	33.8	33.2	34.2	51.5	49.7	50.7	50.1	51.1
x=8H y=6H	32.8	33.6	33.2	34.1	52.2	50.4	51.3	50.9	51.7
x=8H y=8H	32.9	33.7	33.4	34.2	52.3	50.6	51.4	51.1	51.8
x=8H y=12H	34.3	34.9	34.8	35.4	52.4	50.7	51.4	51.2	51.9
x=12H y=4H	32.7	33.7	33.2	34.1	52.2	50.4	51.4	50.9	51.8
x=12H y=6H	32.8	33.6	33.3	34.1	53.1	51.4	52.1	51.9	52.6
x=12H y=8H	33.1	33.8	33.6	34.2	53.3	51.7	52.4	52.2	53.3

Luminaire	Measurem.	Lamp
Code	Code	Code
Name	Name	Number
Line	Date	Position
05-9770 RECESSED MICENAS	05-9770 RECESSED 29-06-2013	G02501 1
Efficiency	Coordinate system	Total Flux
99.98%	CG	19.71 lm

### Pavement

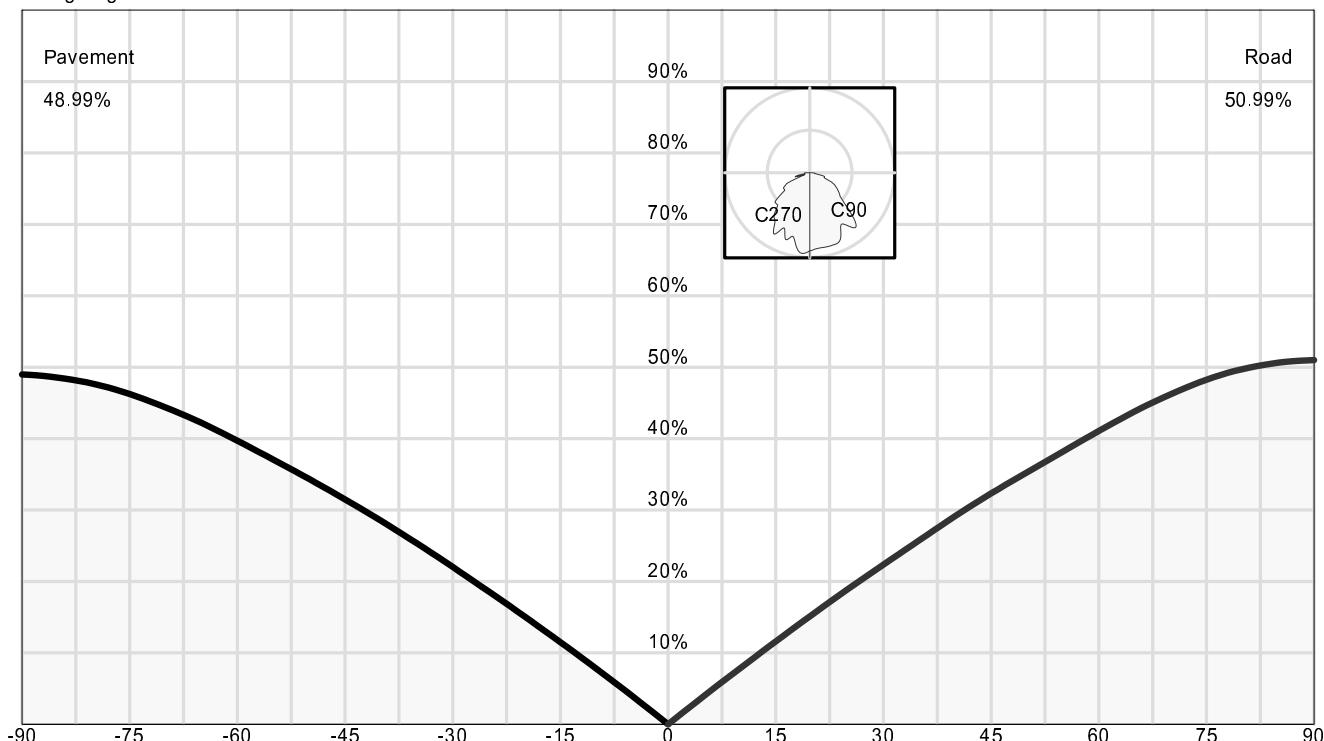
Piano	0	0.00%
Piano	-5	3.96%
Piano	-10	7.79%
Piano	-15	11.49%
Piano	-20	15.11%
Piano	-25	18.60%
Piano	-30	22.03%
Piano	-35	25.34%
Piano	-40	28.50%
Piano	-45	31.49%
Piano	-50	34.35%
Piano	-55	37.06%
Piano	-60	39.71%
Piano	-65	42.21%
Piano	-70	44.37%
Piano	-75	46.24%
Piano	-80	47.66%
Piano	-85	48.54%
Piano	-90	48.99%

### Road

Piano	0	0.00%
Piano	5	3.96%
Piano	10	7.82%
Piano	15	11.60%
Piano	20	15.30%
Piano	25	18.89%
Piano	30	22.35%
Piano	35	25.77%
Piano	40	29.15%
Piano	45	32.33%
Piano	50	35.28%
Piano	55	38.18%
Piano	60	41.07%
Piano	65	43.81%
Piano	70	46.21%
Piano	75	48.25%
Piano	80	49.73%
Piano	85	50.63%
Piano	90	50.99%

Tilting Angle = 0.0

DLOR = 99.98%



Spread	20.1° Narrow	DLOR	99.98414 %
Throw	69.7° Intermediate	ULOR	0.00000 %
SLI (glare)	2.7 Moderate	Efficiency	99.98414 %
CIE Cutoff	Non Cutoff - Max: C=0.0° Gamma=70.0°	RN	0.00000 %
IESNA Cutoff	Non Cutoff	Luminous Intensity Class	GU
DIN5044	--	Glare Index	D0
	IESNA Type II Very Short Asymmetrical		

Luminaire			Measurem.			Lamp		
Code	05-9770	Name	RECESSED	Date	29-06-2013	Code	Number	Position
Line	MICENAS					G02501	1	

Efficiency	99.98%	Coordinate system	CG	Total Flux	19.71 lm
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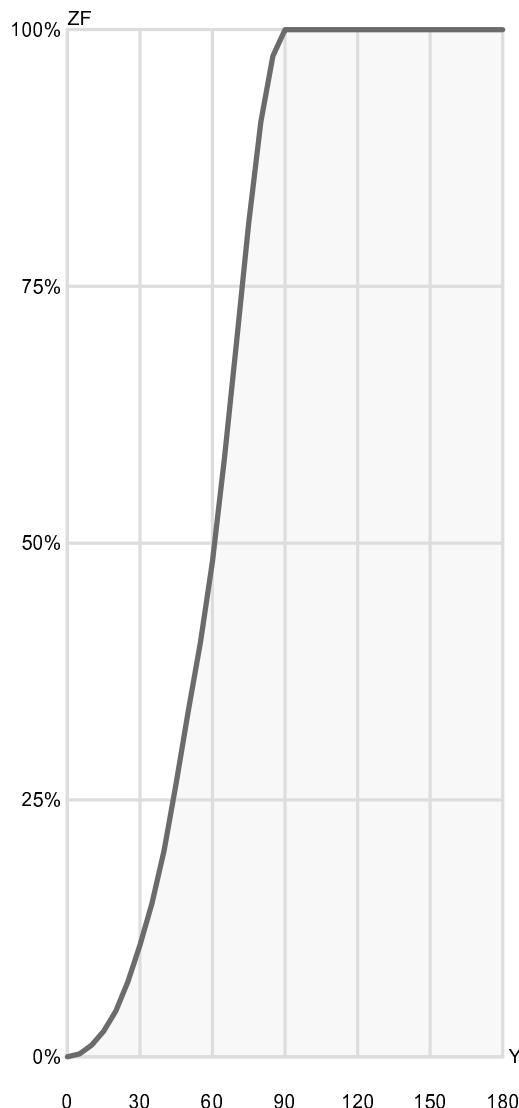
Total Flux= 19.71 Luminaire Flux= 19.71

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	0.15	0.20	0.25	0.32	0.38	0.47	0.54	0.60	0.68	0.73	0.86	0.93
RC	9	9	9	9	9	9	8	8	8	8	7	7

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	44	109	201	337	482	697	910	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

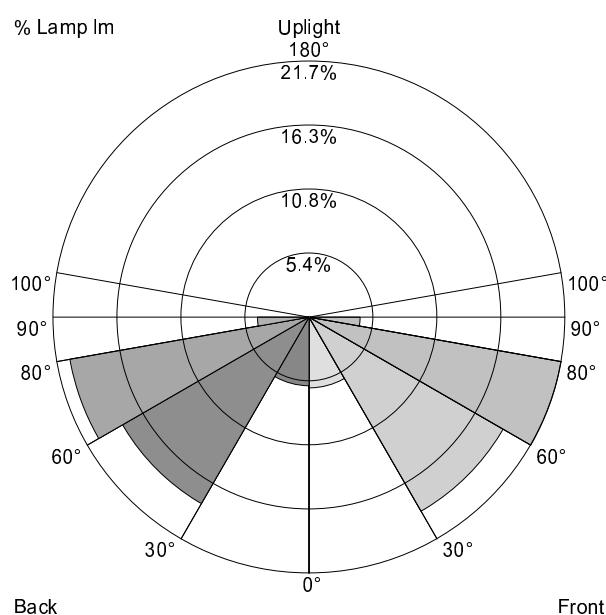
CIE Flux Codes  
22 48 83 100 100

C.I.E.	9/9/9/9/9/8/8/8/7/7	LOR	99.98414 %
D DIN 5040	A10	ULOR	0.00000 %
F UTE	1.00 J	DLOR	99.98414 %
B NBN	BZ 9 / 0.8 / BZ 8 / 2.5 / BZ 7	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %

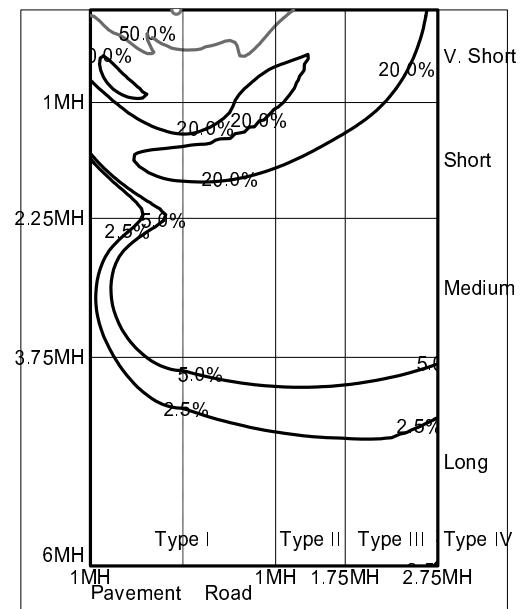


Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.87	2.87	0.29 %	0.29 %
10°	8.46	11.33	0.85 %	1.13 %
15°	13.67	25.00	1.37 %	2.50 %
20°	19.49	44.49	1.95 %	4.45 %
25°	28.38	72.86	2.84 %	7.29 %
30°	35.76	108.62	3.58 %	10.86 %
35°	40.73	149.35	4.07 %	14.94 %
40°	51.49	200.84	5.15 %	20.09 %
45°	66.05	266.90	6.61 %	26.69 %
50°	69.65	336.55	6.97 %	33.66 %
55°	66.67	403.22	6.67 %	40.33 %
60°	78.75	481.97	7.88 %	48.20 %
65°	101.83	583.80	10.18 %	58.39 %
70°	113.67	697.47	11.37 %	69.76 %
75°	114.20	811.67	11.42 %	81.18 %
80°	98.67	910.34	9.87 %	91.05 %
85°	63.71	974.05	6.37 %	97.42 %
90°	25.79	999.84	2.58 %	100.00 %
95°	0.00	999.84	0.00 %	100.00 %
100°	0.00	999.84	0.00 %	100.00 %
105°	0.00	999.84	0.00 %	100.00 %
110°	0.00	999.84	0.00 %	100.00 %
115°	0.00	999.84	0.00 %	100.00 %
120°	0.00	999.84	0.00 %	100.00 %
125°	0.00	999.84	0.00 %	100.00 %
130°	0.00	999.84	0.00 %	100.00 %
135°	0.00	999.84	0.00 %	100.00 %
140°	0.00	999.84	0.00 %	100.00 %
145°	0.00	999.84	0.00 %	100.00 %
150°	0.00	999.84	0.00 %	100.00 %
155°	0.00	999.84	0.00 %	100.00 %
160°	0.00	999.84	0.00 %	100.00 %
165°	0.00	999.84	0.00 %	100.00 %
170°	0.00	999.84	0.00 %	100.00 %
175°	0.00	999.84	0.00 %	100.00 %
180°	0.00	999.84	0.00 %	100.00 %

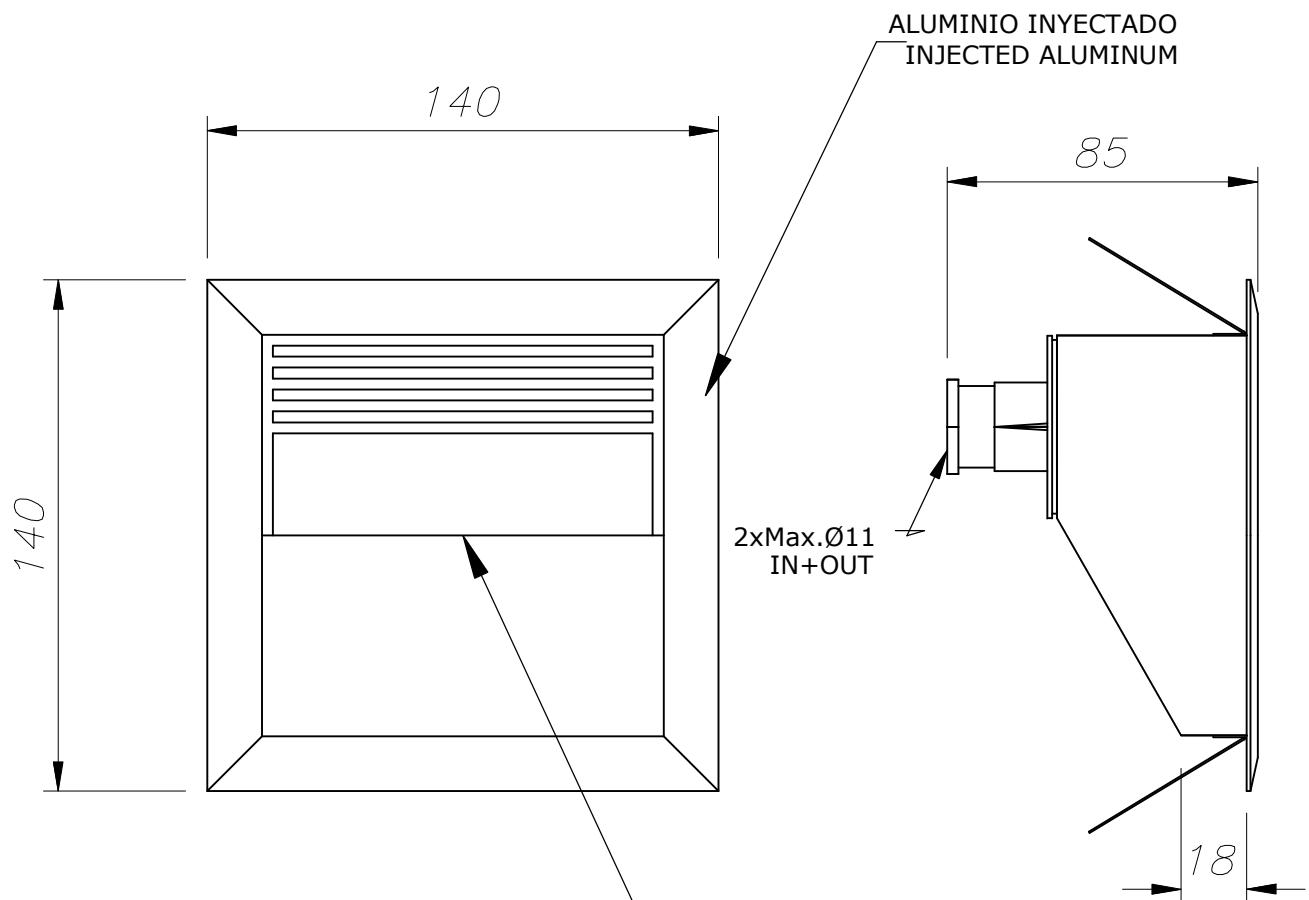
<b>Luminaire</b>	<b>Measurem.</b>	<b>Lamp</b>
Code 05-9770	Code 05-9770	Code G02501
Name RECESSED	Name RECESSED	Number 1
Line MICENAS	Date 29-06-2013	Position
Efficiency 99.98%	Coordinate system CG	Total Flux 19.71 lm



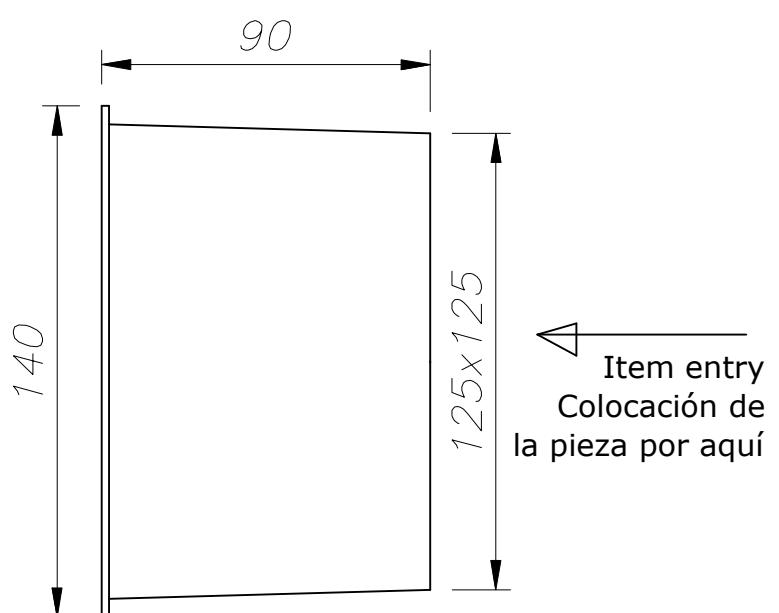
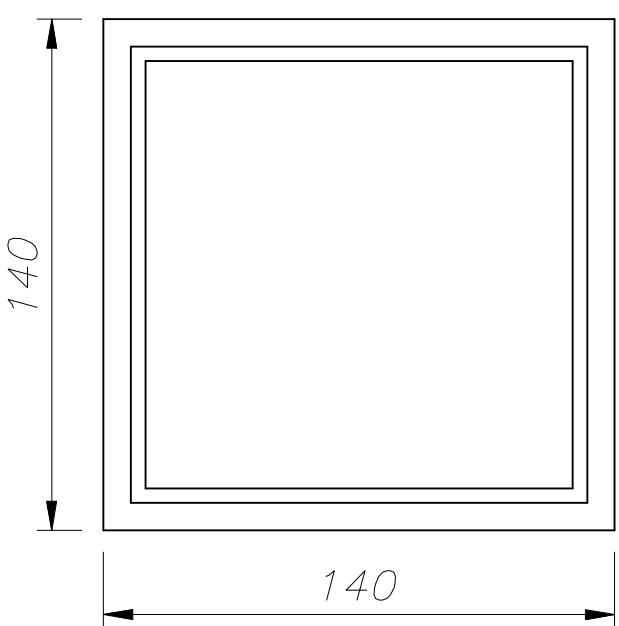
US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone	Lumens	%Lamp	%Lum	
FL 0° -- 30°	1.2 lm	6.0 %	6.0 %	
FM 30° -- 60°	3.7 lm	19.0 %	19.0 %	
FH 60° -- 80°	4.3 lm	21.7 %	21.7 %	
FVH 80° -- 90°	0.9 lm	4.3 %	4.3 %	
BL 0° -- 30°	1.1 lm	5.8 %	5.8 %	
BM 30° -- 60°	3.6 lm	18.2 %	18.2 %	
BH 60° -- 80°	4.1 lm	20.6 %	20.6 %	
BVH 80° -- 90°	0.9 lm	4.4 %	4.4 %	
UL 90° -- 100°	0.0 lm	0.0 %	0.0 %	
UH 100° -- 180°	0.0 lm	0.0 %	0.0 %	
<b>TOTALS</b>	<b>19.7 lm</b>	<b>100.0 %</b>	<b>100.0 %</b>	
BUG B0 U0 G0 Type II Very Short Asymmetrical				



Fitting box  
Caja de empotrar

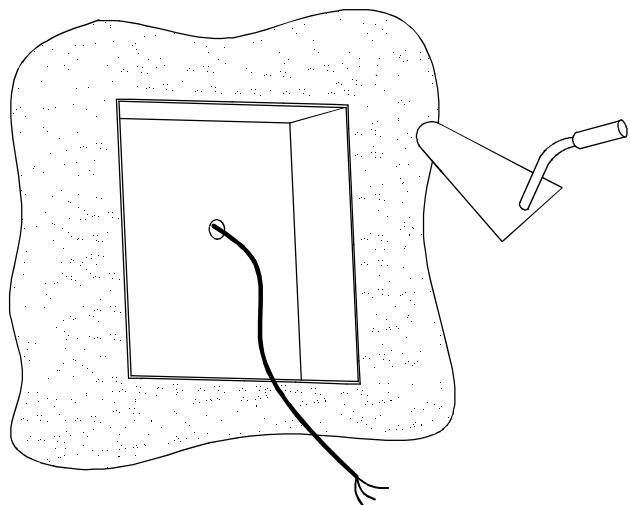




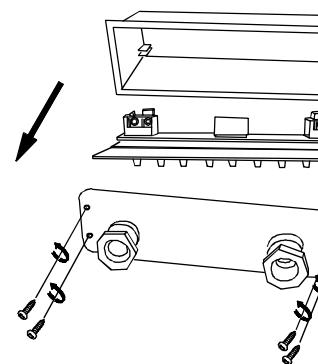
LEDS-C4

OUTDOOR

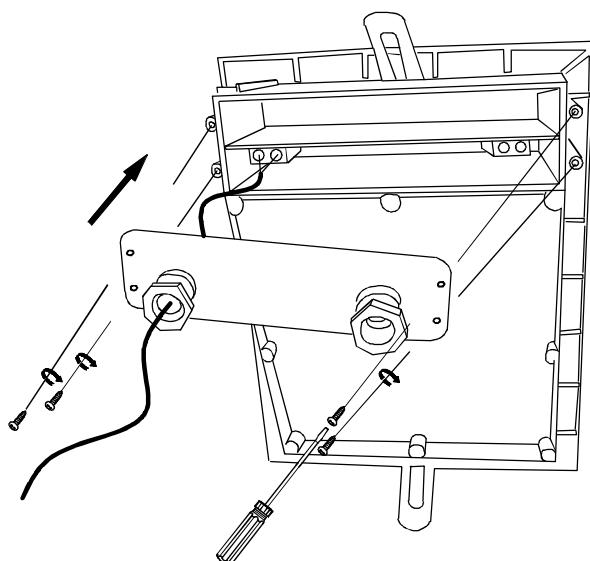
①



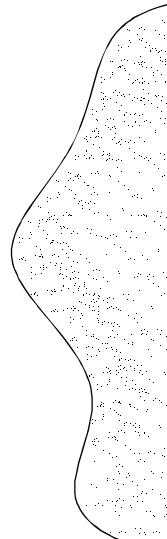
②



③



④



# LEDS C4

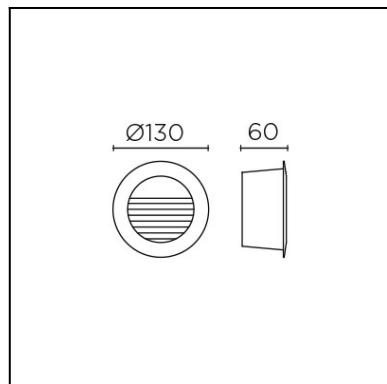
## MICENAS PATH

### 05-9771-34-M2

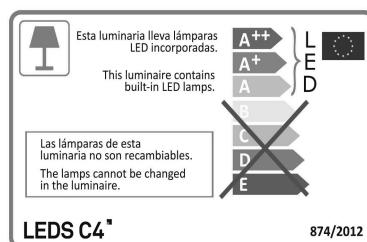
OUT 



El acabado de la fotografía puede no coincidir con el de la referencia. Para identificar el real ver descripción del acabado.



Descargar formato .ldt / .ies



Haga clic en la imagen para descargar la etiqueta energética

#### CARACTERÍSTICAS TÉCNICAS

Tipo:	EMPOTRABLE DE PARED
Índice protección IP:	IP65
Fuente de luz 1:	14 x LED
Lámpara especificada en la etiqueta de la luminaria	1.5W Blanco neutro - 4000K 154 lm <sup>(N)</sup> CRI 70
Índice resistencia IK:	IK10
Ángulo Ópticas / Reflector:	
Voltaje / Frecuencia:	220-240VAC/50-60Hz
Garantía:	2
Posibilidad de extensión de garantía:	5
Unidades por caja:	40
Peso neto (Kg):	0.300
Código EAN:	8435381411534



#### MATERIALES / ACABADOS

**Material estructura:** Aluminio inyectado

**Acabado estructura:** Gris

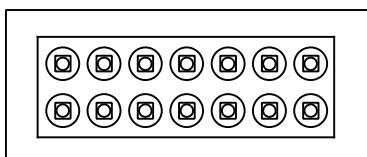
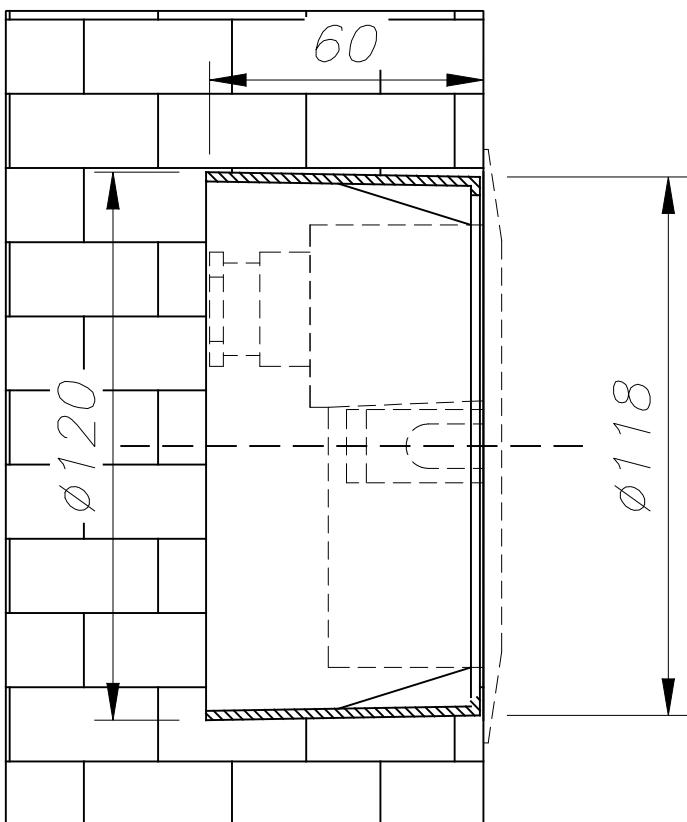
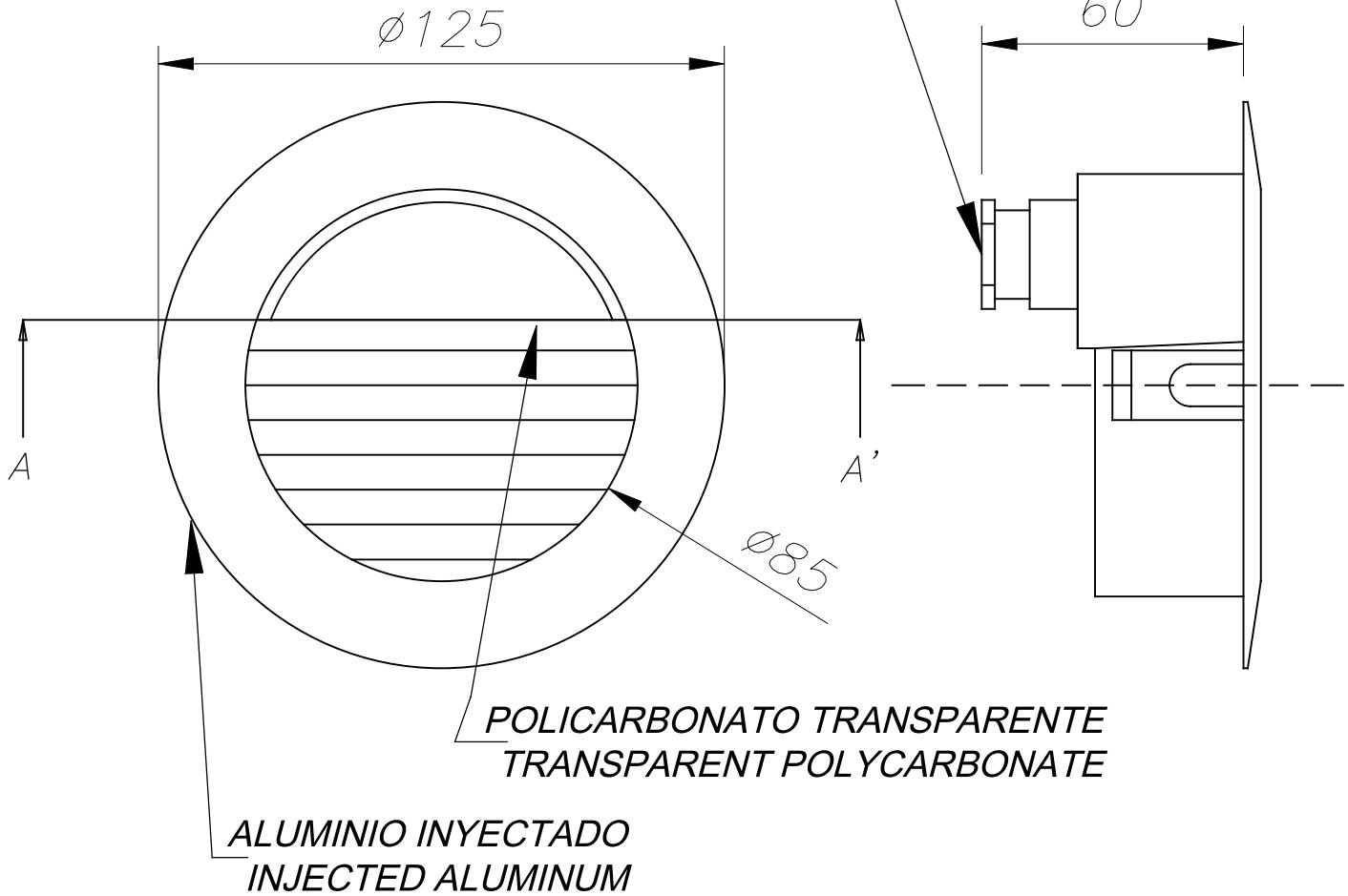
**Material difusor:** Policarbonato

**Acabado difusor:** Transparente

#### EQUIPO

Equipo incluido: Sí, electrónico

*IN+OUT*  
Max.Ø11mm



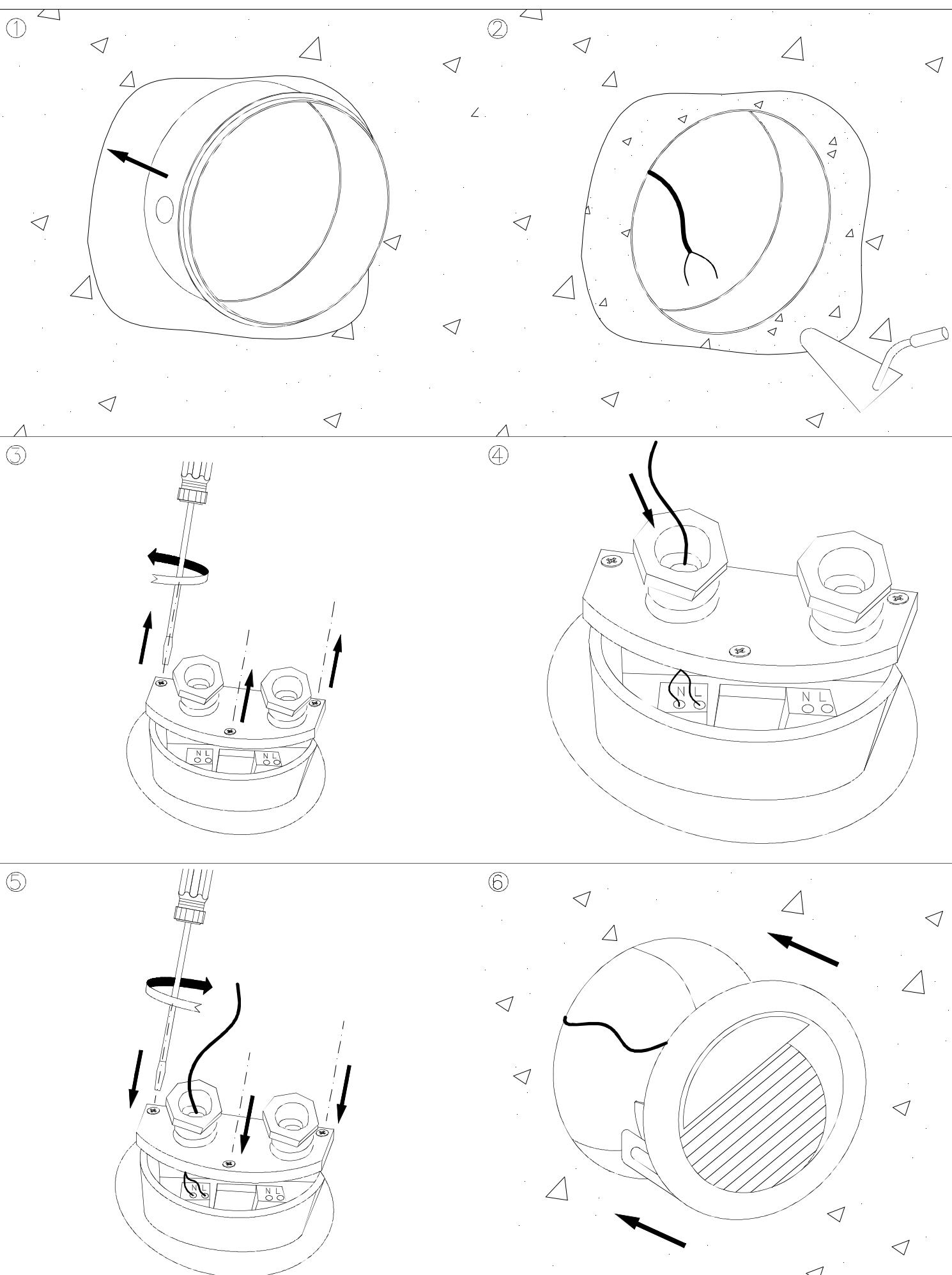
*A-A'*



LEDS-C4

OUTDOOR

05-9771

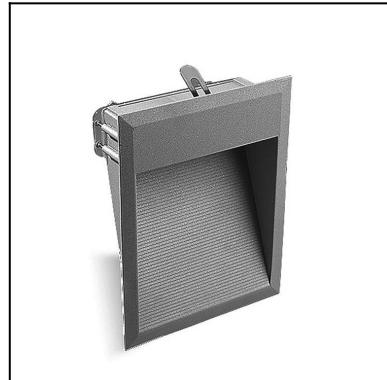


# LEDS C4

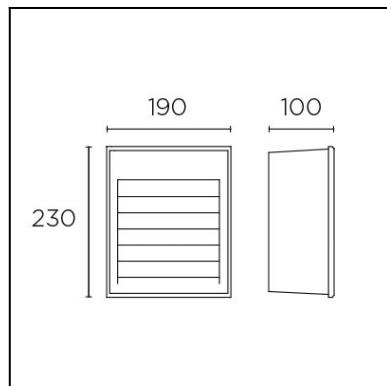
## MICENAS PATH

### 05-9772-34-M2

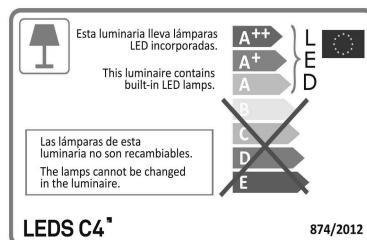
OUT 



El acabado de la fotografía puede no coincidir con el de la referencia. Para identificar el real ver descripción del acabado.



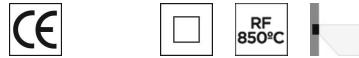
Descargar formato .ldt / .ies



Haga clic en la imagen para descargar la etiqueta energética

#### CARACTERÍSTICAS TÉCNICAS

Tipo:	EMPOTRABLE DE PARED
Índice protección IP:	IP65
Fuente de luz 1:	27 x LED 3W Blanco neutro - 4000K 297 lm <sup>(N)</sup> CRI 70
Índice resistencia IK:	IK10
Ángulo Ópticas / Reflector:	
Voltaje / Frecuencia:	220-240VAC/50-60Hz
Garantía:	2
Posibilidad de extensión de garantía:	5
Unidades por caja:	20
Peso neto (Kg):	0.775
Código EAN:	8435381411541



#### MATERIALES / ACABADOS

**Material estructura:** Aluminio inyectado

**Acabado estructura:** Gris

**Material difusor:** Policarbonato

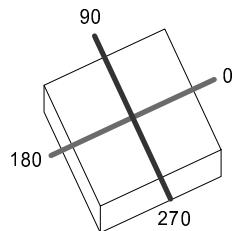
**Acabado difusor:** Transparente

#### EQUIPO

Equipo incluido: Sí, electrónico

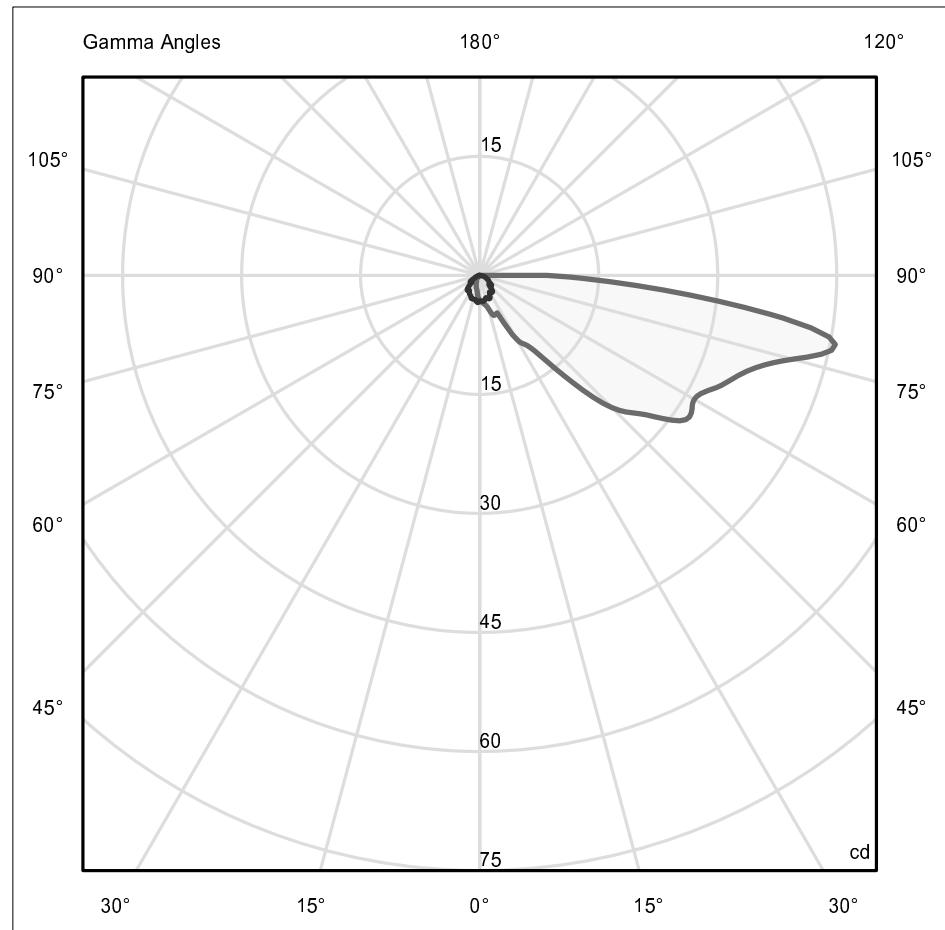
Luminaire	Measurem.	Lamp
Code	Code	Code
Name	Name	Number
Line	Date	Position
05-9772 RECESSED MICENAS	05-9772 RECESSED 13-07-2013	G02901 1
Efficiency	CG	Total Flux
99.99%		45.01 lm
Maximum value	Position	Asymmetrical
44.70 cd	C=0.00 G=80.00	
Rectangular Luminaire Rectangular Luminous Area	Length Length	1 mm 1 mm
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	Width Width	1 mm 1 mm
	Height Height	1 mm 0 mm
Symmetry Type Measurement Distance	Asymmetrical 0.00	Maximum Gamma Angle Measurement Flux
90 45.01 lm		
Operator Temperature Humidity Notes		Source voltage Source current Photocell
Line	Luminaire Lamps	
IESNA-1995	Code	Name
	G02901	RF3528 - 1.30 W
C.I.E. F UTE	D DIN 5040 B NBN	Flux [lm] 45.01
13 40 74 100 100 --	A10 BZ 10 / 2.5 / BZ 9	Pow. [W] 1.30
		Q.ty 1

1mm x 1mm



C Halfplanes  
180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %  
DLOR 99.99 %  
RN 0.00 %



**Luminaire**  
 Code 05-9772  
 Name RECESSED  
 Line MICENAS

**Measurem.**  
 Code 05-9772  
 Name RECESSED  
 Date 13-07-2013

**Lamp**  
 Code G02901  
 Number 1  
 Position

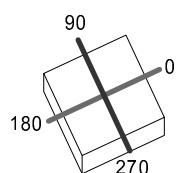
Efficiency 99.99%

Coordinate system CG

Total Flux 45.01 lm

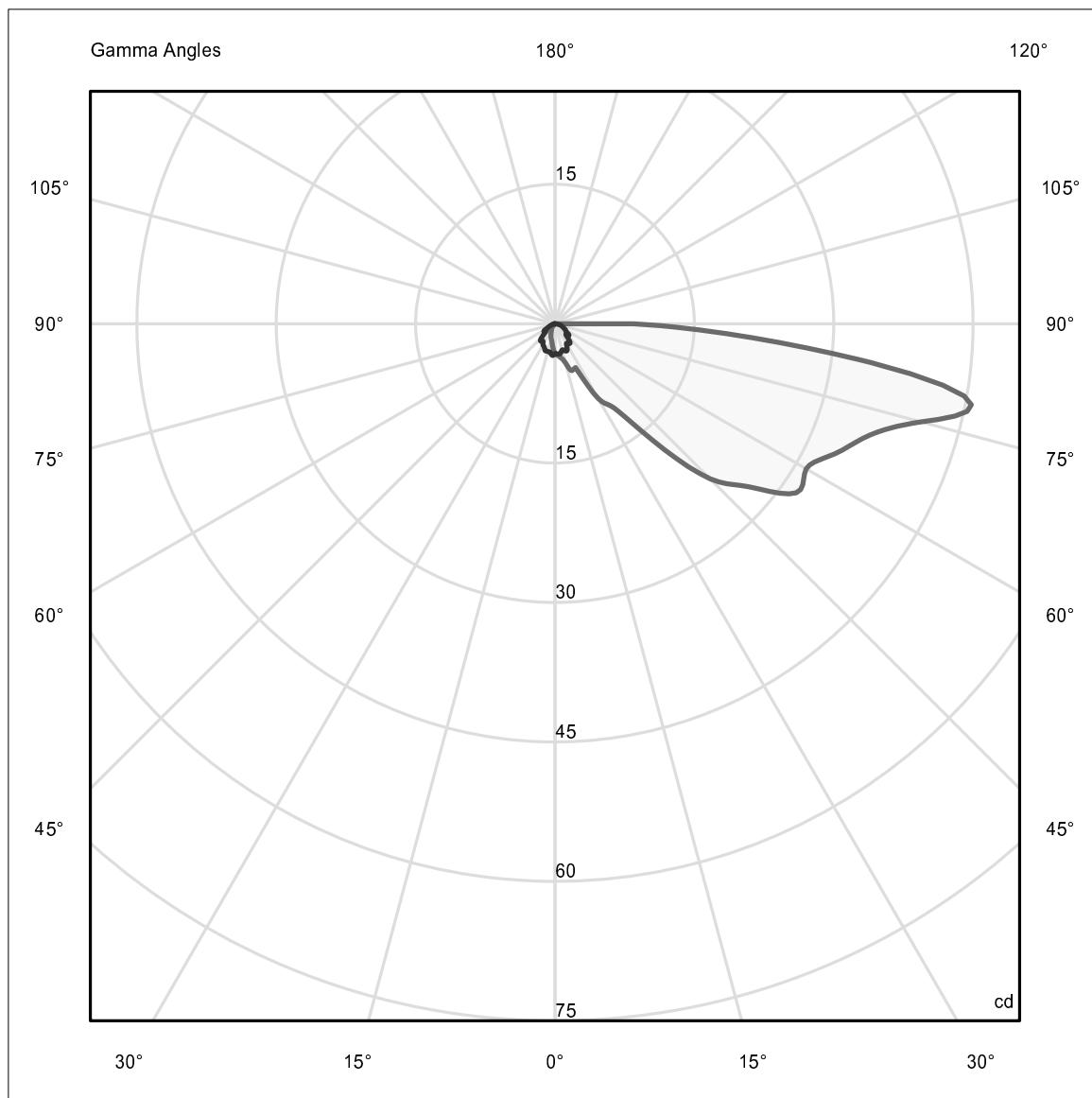
1mm x 1mm

C Halfplanes



180.0 ————— 0.0

270.0 ————— 90.0



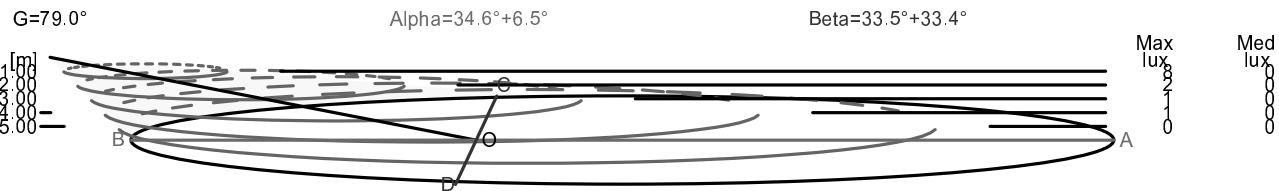
Luminaire				Measurem.				Lamp			
Code	05-9772	Name	RECESSED	Code	05-9772	Name	RECESSED	Code	G02901	Number	Position
Line	MICENAS			Date	13-07-2013						
Efficiency	99.99%			Coordinate system	CG			Total Flux	45.01 lm		

Width at 50.00 % of MaxLux

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	7.70	15.40	23.10	30.80	38.50	OC	3.47	6.94	10.41	13.87	17.34
OB	4.17	8.33	12.50	16.67	20.83	OD	3.45	6.90	10.35	13.81	17.26

Luminous Intensities [ cd]

	0	5	15	25	35	45	55	65	75	85
OA	3.22	3.41	4.39	5.20	11.05	23.57	31.70	33.16	40.80	25.03
OB	3.22	2.60	1.63	0.98	0.81	0.33	0.33	0.16	0.00	0.00
OC	3.22	3.25	2.93	3.09	2.60	1.63	1.46	0.98	0.65	0.16
OD	3.22	3.41	3.09	2.76	2.28	1.95	1.46	0.65	0.16	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=34.6°+6.5°	G=79.0
1.00	11.87	8	0		
2.00	23.73	2	0		
3.00	35.60	1	0		
4.00	47.47	1	0		
5.00	59.34	0	0		

H[m]	D[m]	Max lux	Med lux	Beta=33.4°+33.5°	G=0.0
1.00	6.92	8	0		
2.00	13.84	2	0		
3.00	20.76	1	0		
4.00	27.68	1	0		
5.00	34.60	0	0		

**Luminaire**  
 Code 05-9772  
 Name RECESSED  
 Line MICENAS

**Measurem.**  
 Code 05-9772  
 Name RECESSED  
 Date 13-07-2013

**Lamp**  
 Code G02901  
 Number 1  
 Position

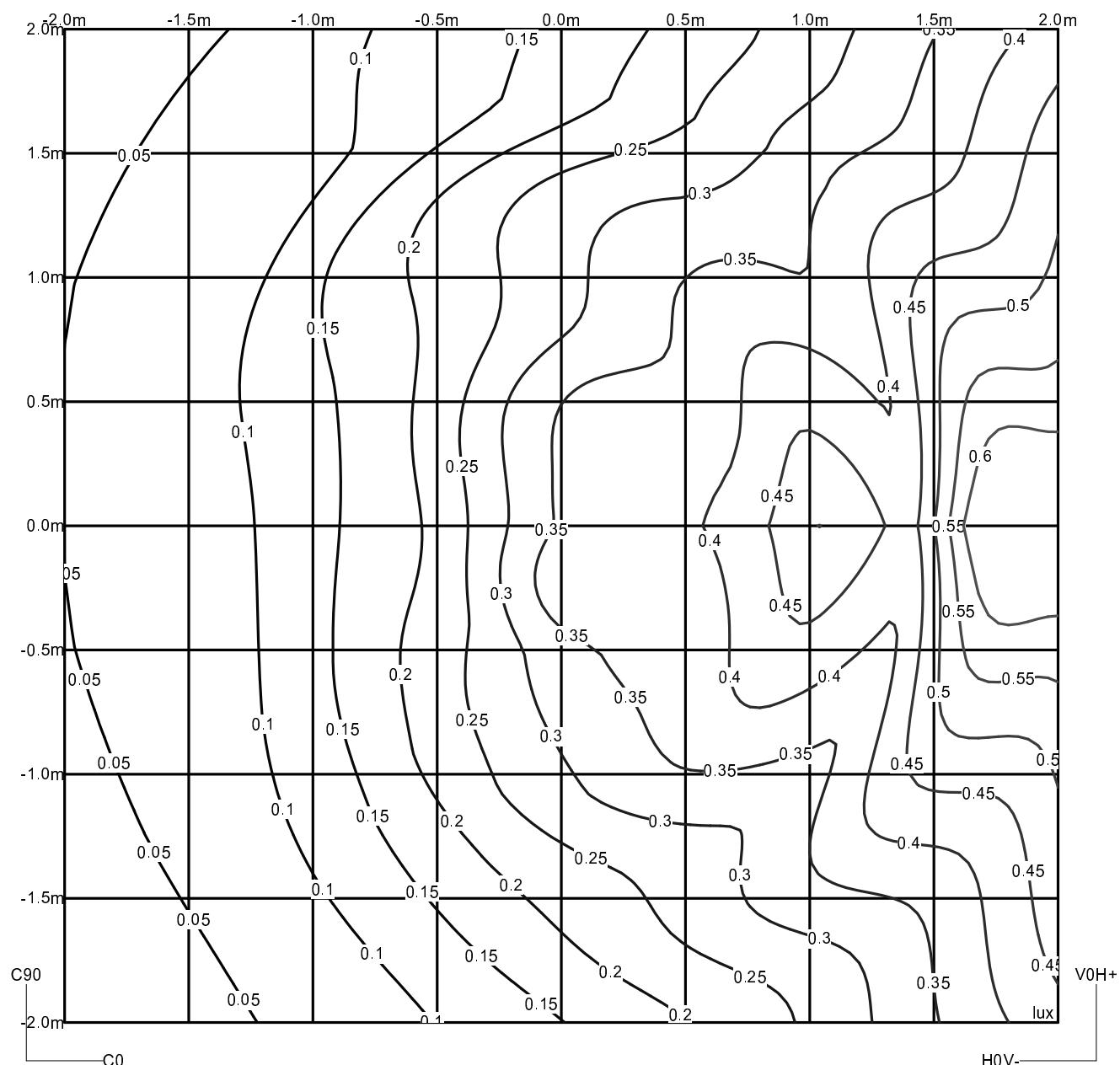
Efficiency 99.99%

Coordinate system CG

Total Flux 45.01 lm

### Isolux (Floor)

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



**Luminaire**  
 Code 05-9772  
 Name RECESSED  
 Line MICENAS

**Measurem.**  
 Code 05-9772  
 Name RECESSED  
 Date 13-07-2013

**Lamp**  
 Code G02901  
 Number 1  
 Position

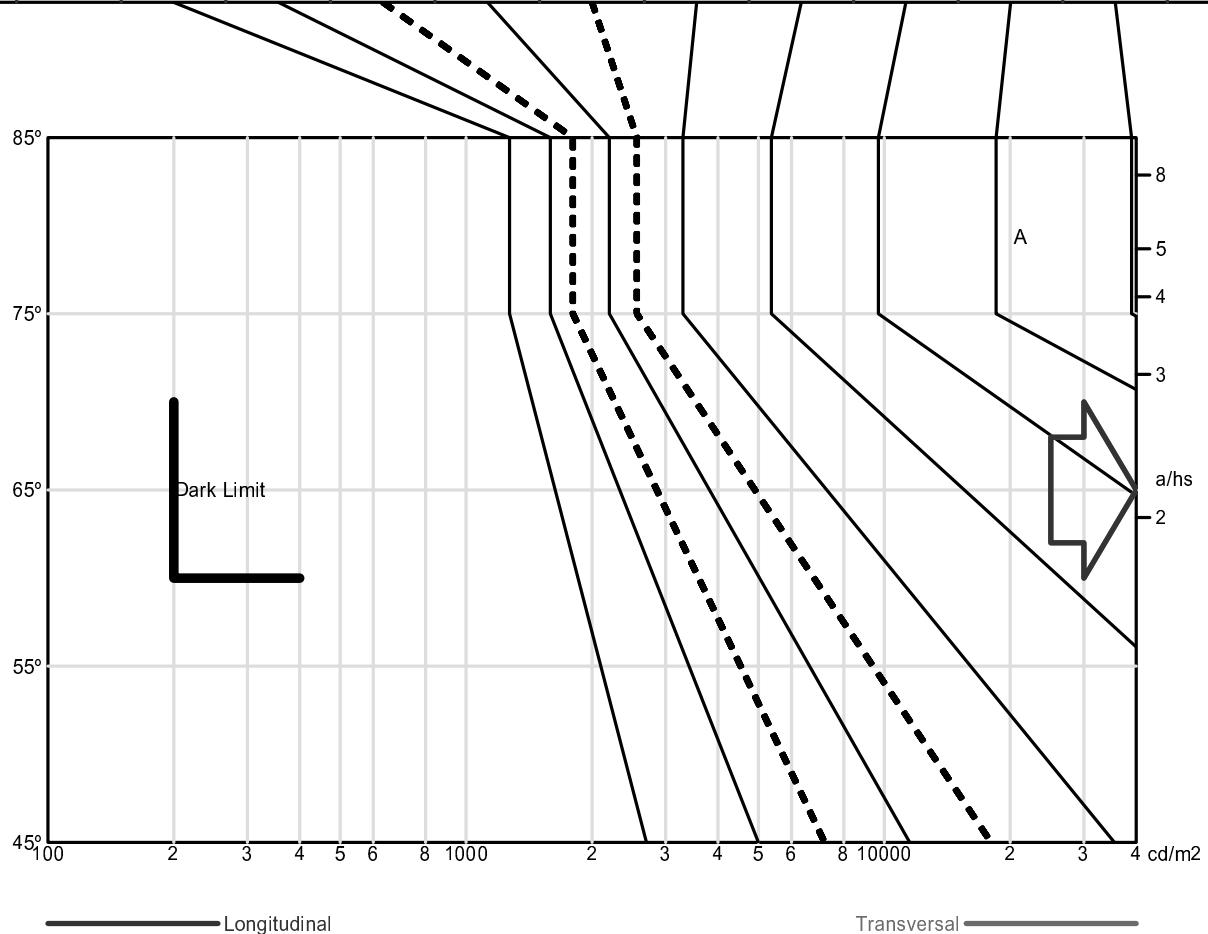
Efficiency 99.99%

Coordinate system CG

Total Flux 45.01 lm

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	33335276	42487596	55266740	62424000	78469633	104090945157651459257444107287239822				---
90.0°	2298946	3034906	2550837	2601000	2307993	2376468	2512566	1872176	1865626	---

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					
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



**Luminaire**  
 Code 05-9772  
 Name RECESSED  
 Line MICENAS

**Measurem.**  
 Code 05-9772  
 Name RECESSED  
 Date 13-07-2013

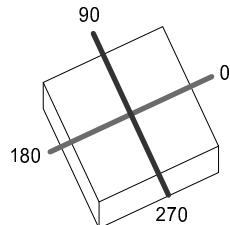
**Lamp**  
 Code G02901  
 Number 1  
 Position

Efficiency 99.99%

Coordinate system CG

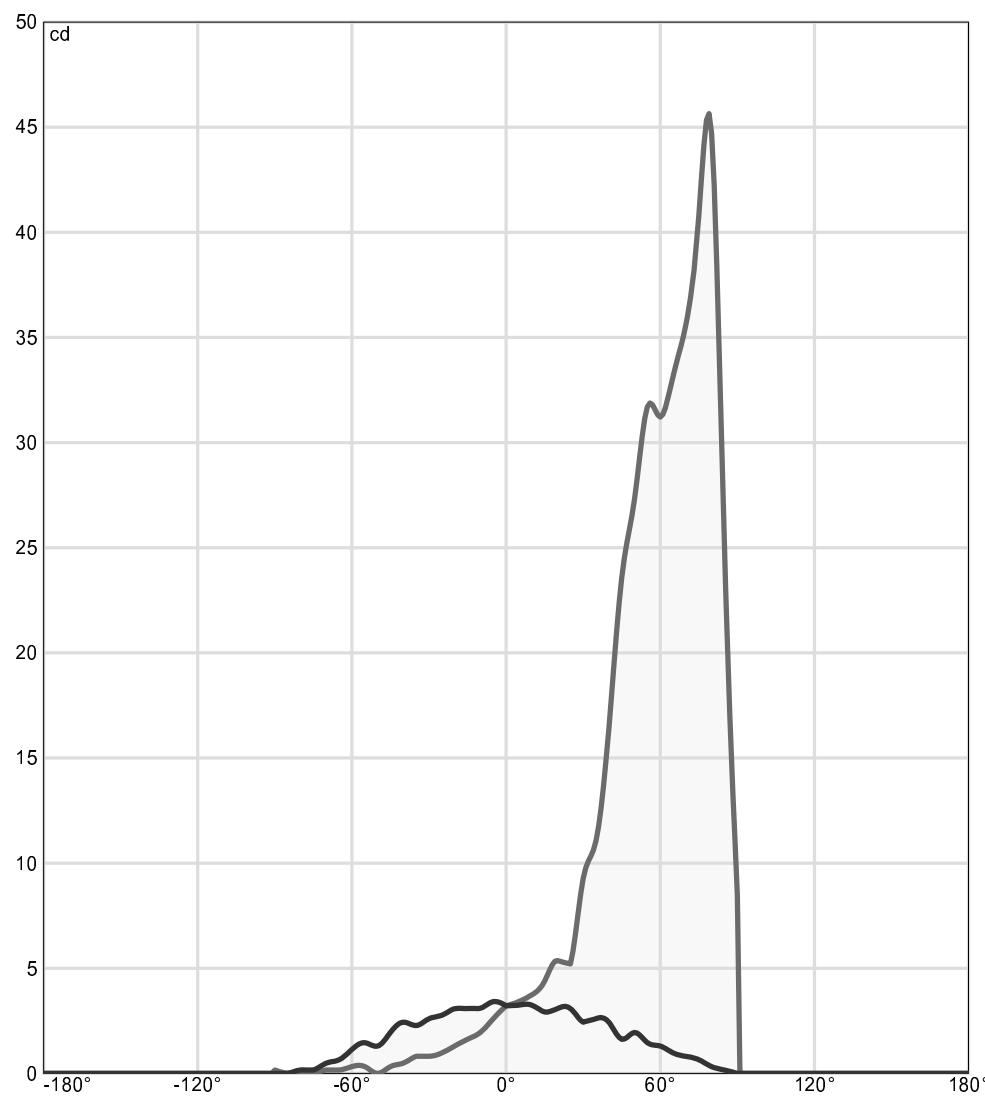
Total Flux 45.01 lm

1mm x 1mm



C Halfplanes

180.0 0.0  
 270.0 90.0



Luminaire	Measurem.	Lamp
Code	Code	Code
Name	Name	Number
Line	Date	Position
05-9772 RECESSED MICENAS	05-9772 RECESSED 13-07-2013	G02901 1
Efficiency	Coordinate system	Total Flux
99.99%	CG	45.01 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
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
WorkingPlane	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	24.1	26.0	24.5	26.3	43.5	41.1	43.0	41.4	43.2	43.5
x=2H y=3H	25.3	27.1	25.6	27.3	44.9	42.5	44.3	42.9	44.6	44.9
x=2H y=4H	25.4	27.1	25.7	27.4	45.5	43.2	44.9	43.5	45.2	45.5
x=2H y=6H	25.3	26.9	25.7	27.2	46.1	43.8	45.4	44.2	45.7	46.1
x=2H y=8H	25.2	26.8	25.6	27.1	46.2	44.0	45.5	44.4	45.9	46.2
x=2H y=12H	25.2	26.7	25.6	27.0	46.3	44.0	45.5	44.4	45.9	46.3
x=4H y=2H	26.2	27.9	26.6	28.2	48.3	45.9	47.6	46.3	47.9	48.3
x=4H y=3H	27.5	29.0	27.9	29.3	50.0	47.8	49.3	48.2	49.6	50.0
x=4H y=4H	27.6	29.0	28.1	29.4	50.9	48.8	50.2	49.2	50.5	50.9
x=4H y=6H	27.6	28.9	28.0	29.3	51.8	49.7	51.0	50.1	51.4	51.8
x=4H y=8H	27.6	28.8	28.0	29.2	52.0	50.0	51.1	50.4	51.6	52.0
x=4H y=12H	27.6	28.7	28.0	29.1	52.0	50.0	51.1	50.5	51.6	52.0
x=8H y=4H	28.3	29.5	28.8	29.9	55.1	53.1	54.3	53.6	54.7	55.1
x=8H y=6H	28.4	29.4	28.9	29.9	56.3	54.4	55.4	54.9	55.9	56.3
x=8H y=8H	28.5	29.4	29.0	29.8	56.7	54.8	55.7	55.3	56.2	56.7
x=8H y=12H	28.5	29.3	29.0	29.8	56.8	55.0	55.8	55.5	56.3	56.8
x=12H y=4H	28.4	29.5	28.9	29.9	56.5	54.5	55.7	55.0	56.1	56.5
x=12H y=6H	28.6	29.5	29.1	30.0	57.9	56.1	57.0	56.6	57.5	57.9
x=12H y=8H	28.7	29.5	29.2	30.0	58.4	56.6	57.4	57.1	57.9	58.4

Luminaire	Measurem.	Lamp
Code	Code	Code
Name	Name	Number
Line	Date	Position
05-9772 RECESSED MICENAS	05-9772 RECESSED 13-07-2013	G02901 1
Efficiency	Coordinate system	Total Flux
99.99%	CG	45.01 lm

### Pavement

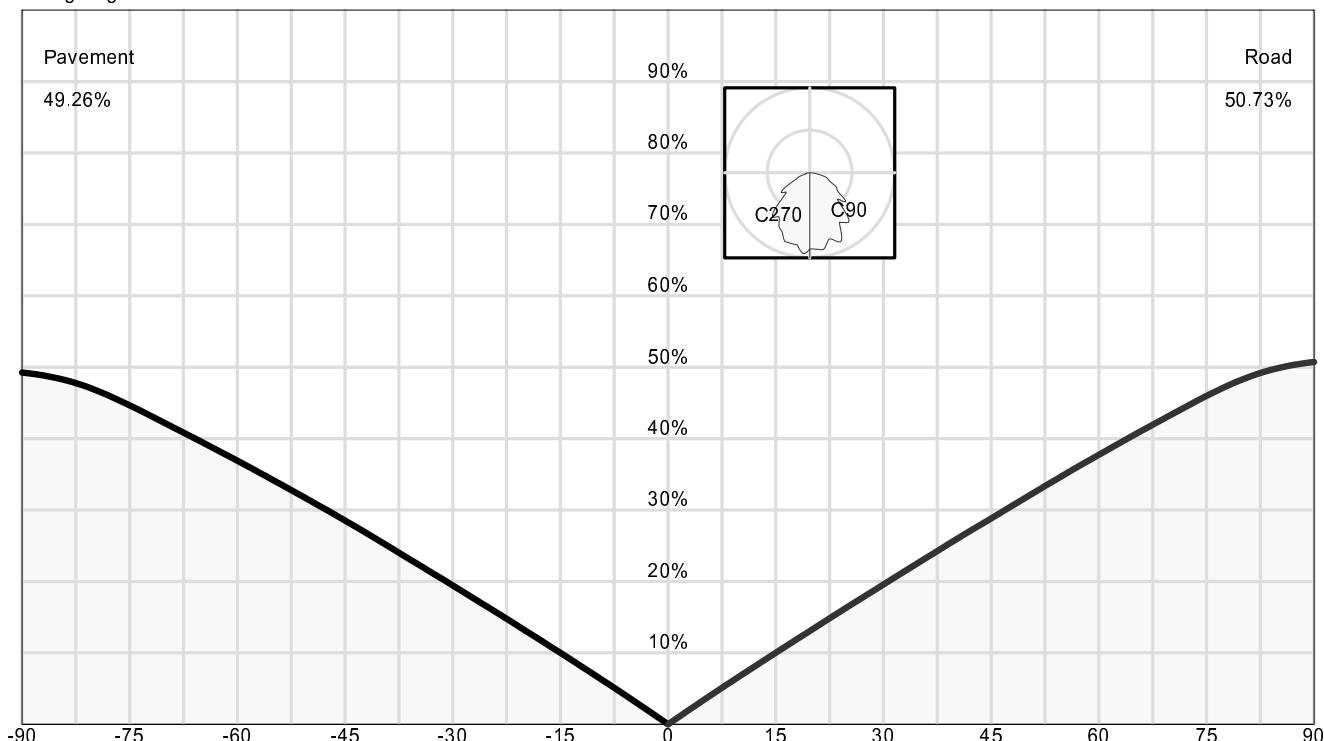
Piano	0	0.00%
Piano	-5	3.43%
Piano	-10	6.75%
Piano	-15	10.00%
Piano	-20	13.20%
Piano	-25	16.34%
Piano	-30	19.44%
Piano	-35	22.50%
Piano	-40	25.55%
Piano	-45	28.53%
Piano	-50	31.39%
Piano	-55	34.18%
Piano	-60	36.90%
Piano	-65	39.54%
Piano	-70	42.14%
Piano	-75	44.66%
Piano	-80	46.90%
Piano	-85	48.44%
Piano	-90	49.26%

### Road

Piano	0	0.00%
Piano	5	3.43%
Piano	10	6.76%
Piano	15	10.02%
Piano	20	13.23%
Piano	25	16.43%
Piano	30	19.57%
Piano	35	22.70%
Piano	40	25.81%
Piano	45	28.83%
Piano	50	31.84%
Piano	55	34.84%
Piano	60	37.74%
Piano	65	40.55%
Piano	70	43.31%
Piano	75	45.97%
Piano	80	48.29%
Piano	85	49.88%
Piano	90	50.73%

Tilting Angle = 0.0

DLOR = 99.99%



Spread	34.9° Narrow
Throw	78.1° Long
SLI (glare)	0.7 Limited
CIE Cutoff	Non Cutoff - Max: C=0.0° Gamma=80.0°
IESNA Cutoff	Non Cutoff
DIN5044	--

IESNA Type II Very Short Asymmetrical

DLOR	99.99084 %
ULOR	0.00000 %
Efficiency	99.99084 %
RN	0.00000 %
Luminous Intensity Class	GU
Glare Index	D0

Luminaire			Measurem.			Lamp		
Code	05-9772	Name	RECESSED	Date	13-07-2013	Code	Number	G02901
Line	MICENAS					1		
Efficiency	99.99%		Coordinate system	CG		Total Flux	45.01 lm	

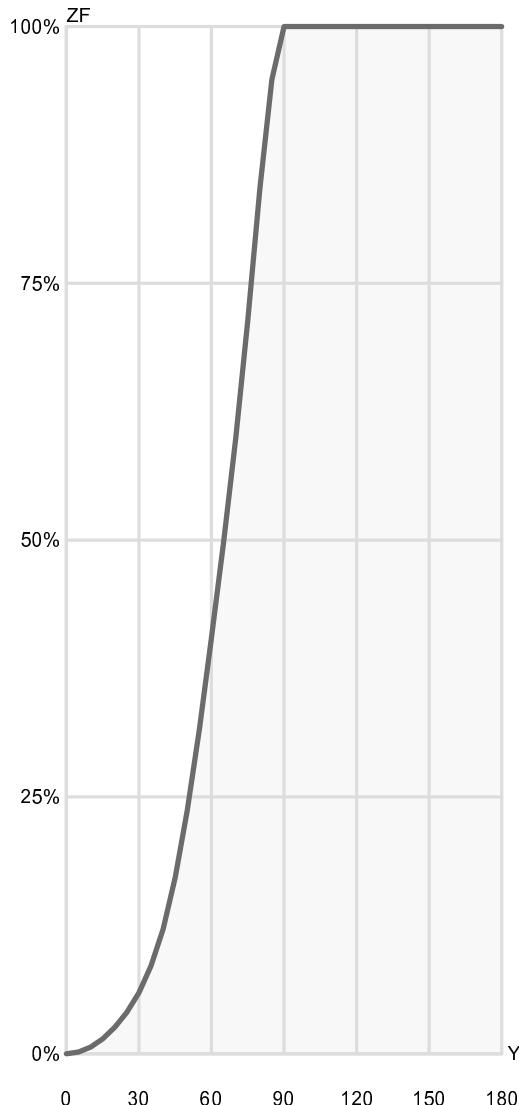
Total Flux= 45.01 Luminaire Flux= 45.01

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	0.08	0.13	0.19	0.25	0.30	0.39	0.46	0.52	0.60	0.66	0.79	0.88
RC	-	-	10	10	10	10	10	10	10	10	9	9

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)	7	26	59	121	237	405	599	842	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes  
13 40 74 100 100

C.I.E.	-/-10/10/10/10/10/10/10/9/9	LOR	99.99084 %
D DIN 5040	A10	ULOR	0.00000 %
F UTE	--	DLOR	99.99084 %
B NBN	BZ 10 / 2.5 / BZ 9	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.70	1.70	0.17 %	0.17 %
10°	4.91	6.61	0.49 %	0.66 %
15°	7.93	14.53	0.79 %	1.45 %
20°	11.39	25.92	1.14 %	2.59 %
25°	14.49	40.41	1.45 %	4.04 %
30°	19.08	59.49	1.91 %	5.95 %
35°	26.06	85.55	2.61 %	8.56 %
40°	35.70	121.25	3.57 %	12.13 %
45°	50.66	171.91	5.07 %	17.19 %
50°	65.13	237.05	6.51 %	23.71 %
55°	79.12	316.16	7.91 %	31.62 %
60°	88.49	404.66	8.85 %	40.47 %
65°	93.07	497.73	9.31 %	49.78 %
70°	101.28	599.01	10.13 %	59.91 %
75°	114.23	713.24	11.42 %	71.33 %
80°	129.01	842.25	12.90 %	84.23 %
85°	106.23	948.48	10.62 %	94.86 %
90°	51.42	999.91	5.14 %	100.00 %
95°	0.00	999.91	0.00 %	100.00 %
100°	0.00	999.91	0.00 %	100.00 %
105°	0.00	999.91	0.00 %	100.00 %
110°	0.00	999.91	0.00 %	100.00 %
115°	0.00	999.91	0.00 %	100.00 %
120°	0.00	999.91	0.00 %	100.00 %
125°	0.00	999.91	0.00 %	100.00 %
130°	0.00	999.91	0.00 %	100.00 %
135°	0.00	999.91	0.00 %	100.00 %
140°	0.00	999.91	0.00 %	100.00 %
145°	0.00	999.91	0.00 %	100.00 %
150°	0.00	999.91	0.00 %	100.00 %
155°	0.00	999.91	0.00 %	100.00 %
160°	0.00	999.91	0.00 %	100.00 %
165°	0.00	999.91	0.00 %	100.00 %
170°	0.00	999.91	0.00 %	100.00 %
175°	0.00	999.91	0.00 %	100.00 %
180°	0.00	999.91	0.00 %	100.00 %

**Luminaire**  
 Code 05-9772  
 Name RECESSED  
 Line MICENAS

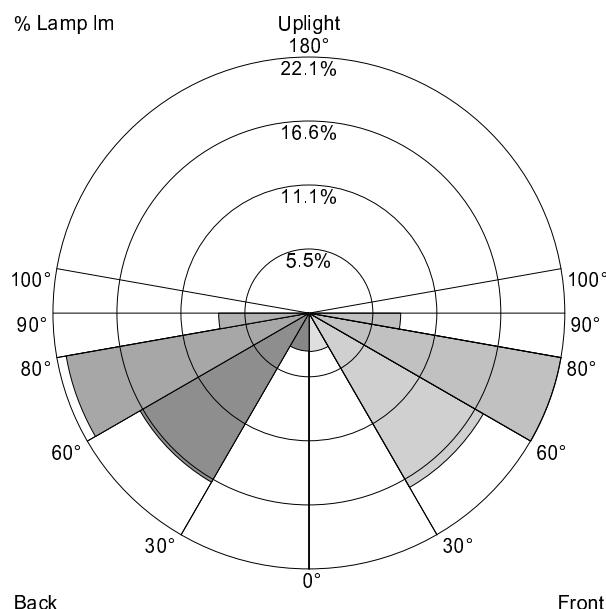
**Measurem.**  
 Code 05-9772  
 Name RECESSED  
 Date 13-07-2013

**Lamp**  
 Code G02901  
 Number 1  
 Position

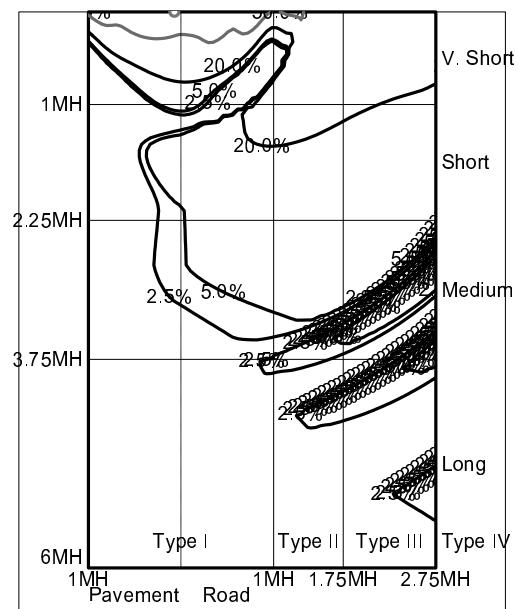
Efficiency 99.99%

Coordinate system CG

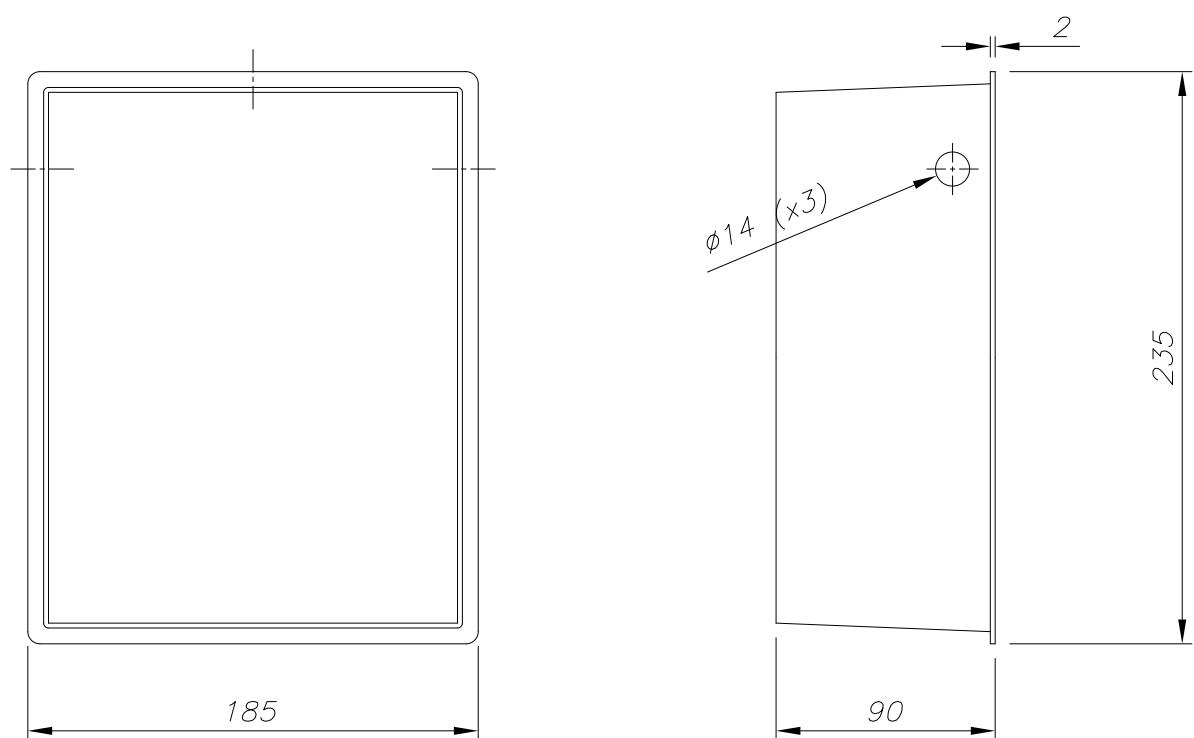
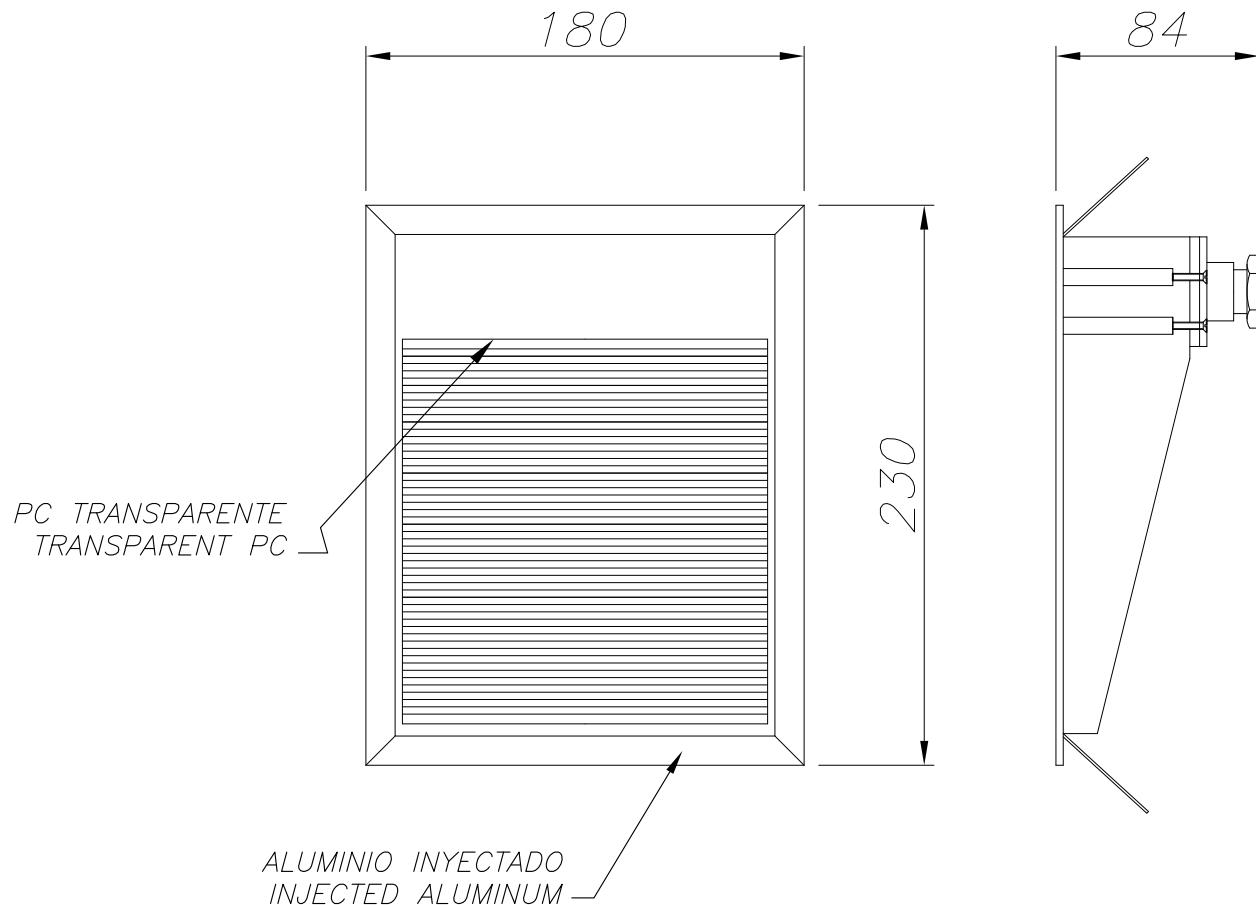
Total Flux 45.01 lm



#### US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone	Lumens	%Lamp	%Lum	
FL	0° -- 30°	1.5 lm	3.3 %	3.3 %
FM	30° -- 60°	7.8 lm	17.4 %	17.4 %
FH	60° -- 80°	10.0 lm	22.1 %	22.1 %
FVH	80° -- 90°	3.6 lm	7.9 %	7.9 %
BL	0° -- 30°	1.5 lm	3.3 %	3.3 %
BM	30° -- 60°	7.6 lm	16.9 %	16.9 %
BH	60° -- 80°	9.6 lm	21.3 %	21.3 %
BVH	80° -- 90°	3.5 lm	7.8 %	7.8 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
<b>TOTALS</b>	<b>45.0 lm</b>	<b>100.0 %</b>	<b>100.0 %</b>	
BUG B0 U0 G0 Type II Very Short Asymmetrical				



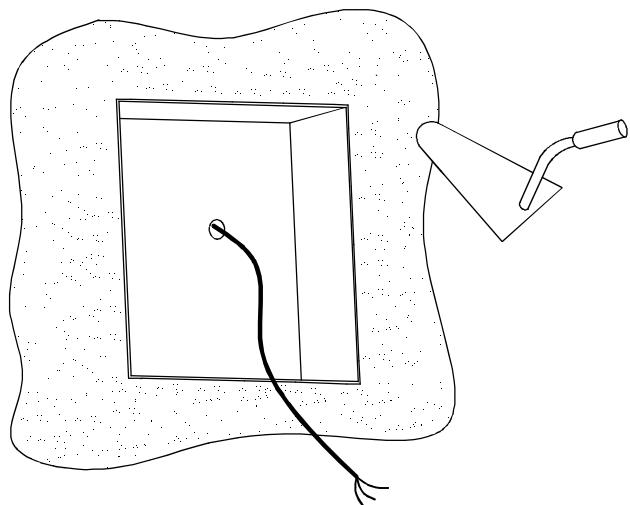
CAJA DE EMPOTRAR  
FLUSH FITTING BOX



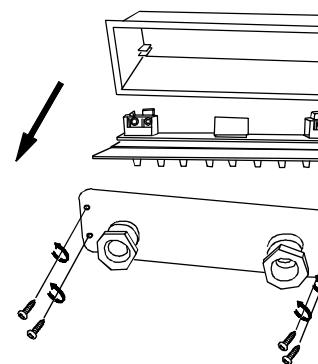
LEDS-C4

OUTDOOR

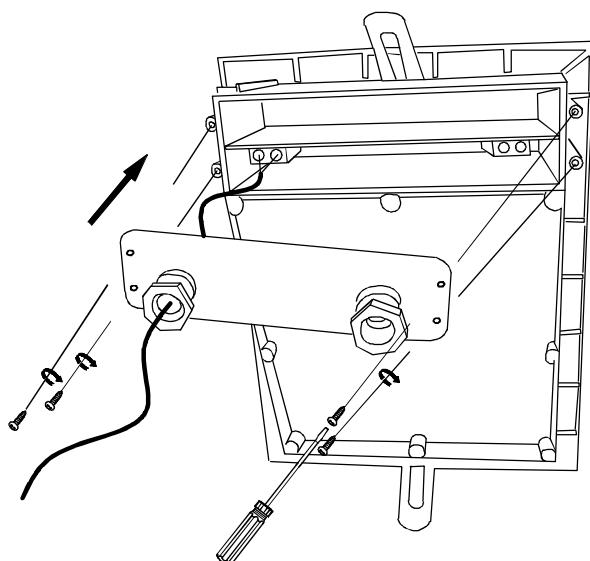
①



②



③



④

