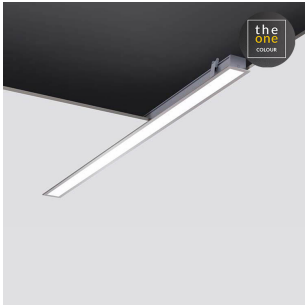


INFINITE LED

90-4799-14-OU

Downlight INFINITE LED 34.6W 3000K CRI 80 101.7° White IP44 2875lm



TECHNICAL FEATURES

IP44



Power (W) : 34.6W

Raw lumens : 2875

Raw lm/W : 85

Colour temperature : LED warm-white 3000K

Lens / reflector angle : HORIZONTAL 103°

Structure material : Aluminium

Structure finish : White

Diffuser material : Polycarbonate

Diffuser finish : Tinted

Useful life : 50.000h L80B20

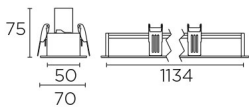
Equipment included : Yes, electronic

Brand : MEANWELL

Voltage / frequency : 110-295VAC/50-60Hz

Warranty : 2 Years

Max. temperature : 25°C



0-30mm

60x1138

0-30

LUMINOTECHNIC FEATURES

Light source: LED VOSSLOH

CRI: 80

MacAdam steps: 3

Photobiological risk: RG1

LOGISTICS

Net weight (kg): 1.88

Packaged weight (kg): 2.34

Packaging: 1200mm x 110mm x 70mm

 1 Un

Luminaire

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

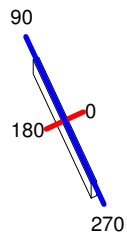
Measurement

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	1135 mm 1120 mm	Width Width	50 mm 45 mm	Height Height	80 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.050400 m2 0.000000 m2 0.000000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.000000 m2 0.000000 m2 0.012193 m2				
Coordinate system Date Measurement Distance	CG 02-02-2016 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 90 2875.09 lm				
Operator Temperature Humidity Notes	Asselum T2 25.00 °C 60.00 %	Source voltage Source current Photocell					

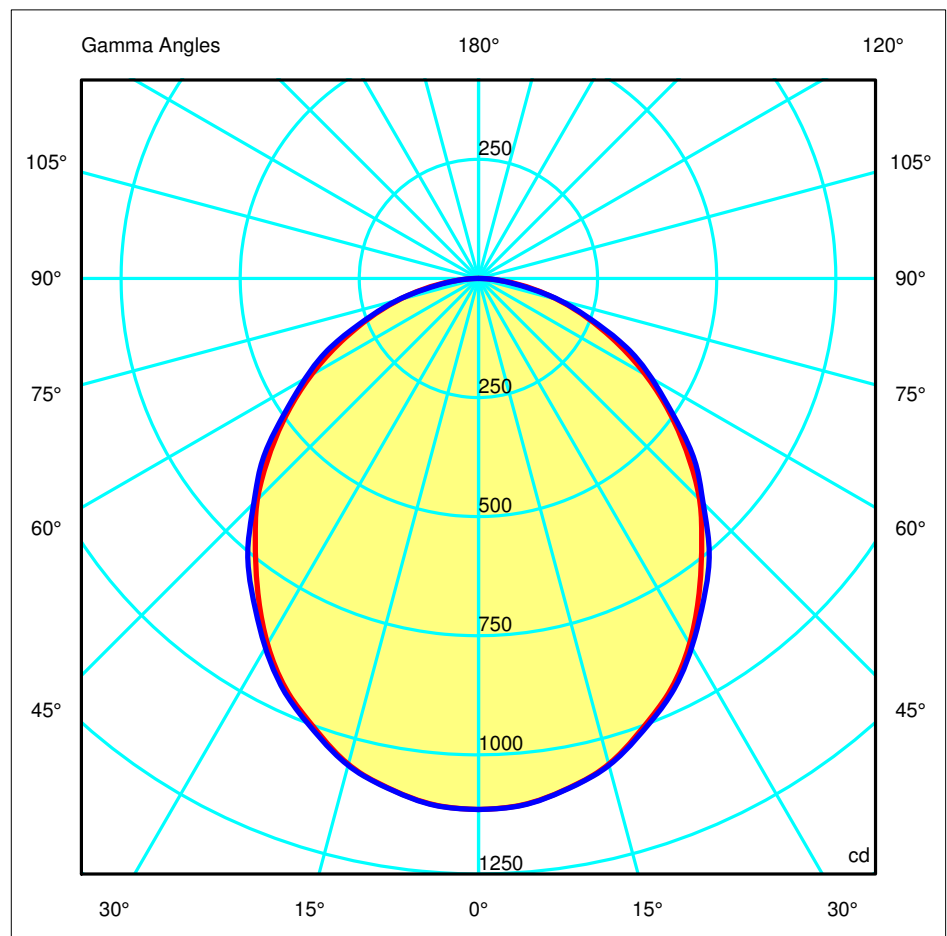
Line	Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		Name				
	15-4797-14-OS	15-4797-14-OS - 35.00 W		2875.09	35.00	1
C.I.E. F UTE	50 80 96 100 100 1.00 E	D DIN 5040 B NBN	A30 BZ 4			

1135mm x 50mm



C Halfplanes
 180.0 — 0.0
 270.0 — 90.0

ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



Luminaire

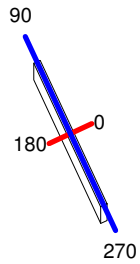
Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Measurement

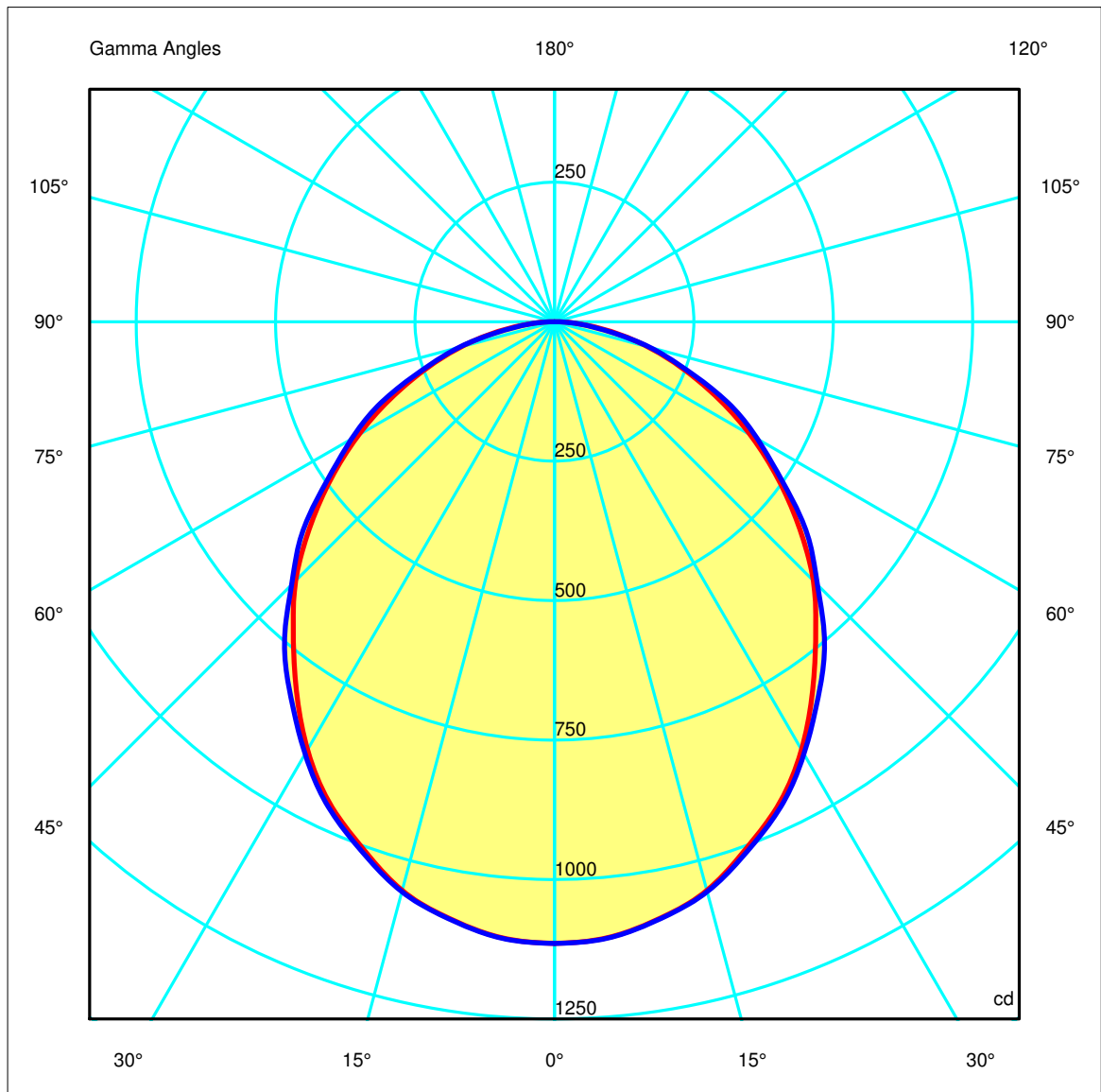
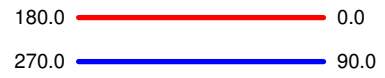
Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

1135mm x 50mm



C Halfplanes



Luminaire

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Measurement

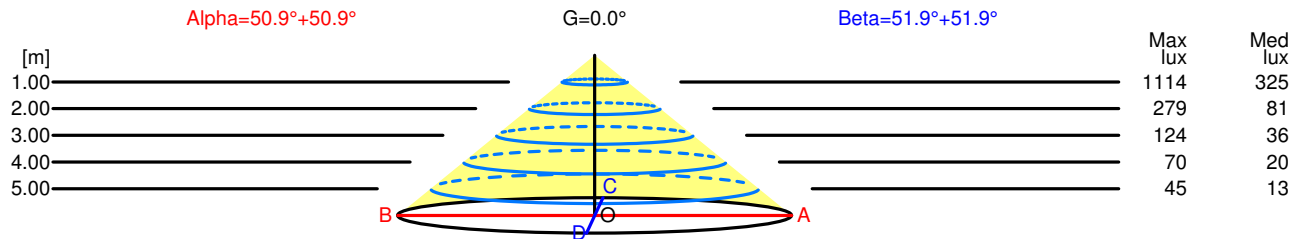
Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.23	2.46	3.69	4.92	6.14	OC	1.27	2.55	3.82	5.10	6.37
OB	1.23	2.46	3.69	4.92	6.14	OD	1.27	2.55	3.82	5.10	6.37

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	1114.46	1108.10	1055.53	953.15	806.98	656.21	489.21	322.49	174.22	87.18
OB	1114.46	1108.10	1055.53	953.15	806.98	656.21	489.21	322.49	174.22	87.18
OC	1114.46	1108.89	1057.84	959.71	823.57	666.75	498.82	342.99	176.71	87.35
OD	1114.46	1108.89	1057.84	959.71	823.57	666.75	498.82	342.99	176.71	87.35



H[m]	D[m]	Max lux	Med lux	Alpha=50.9°+50.9°	G=0.0	
1.00	2.46	1114	325			
2.00	4.92	279	81			
3.00	7.37	124	36			
4.00	9.83	70	20			
5.00	12.29	45	13			

H[m]	D[m]	Max lux	Med lux	Beta=51.9°+51.9°	G=0.0	
1.00	2.55	1114	325			
2.00	5.10	279	81			
3.00	7.65	124	36			
4.00	10.20	70	20			
5.00	12.75	45	13			

Luminaire

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

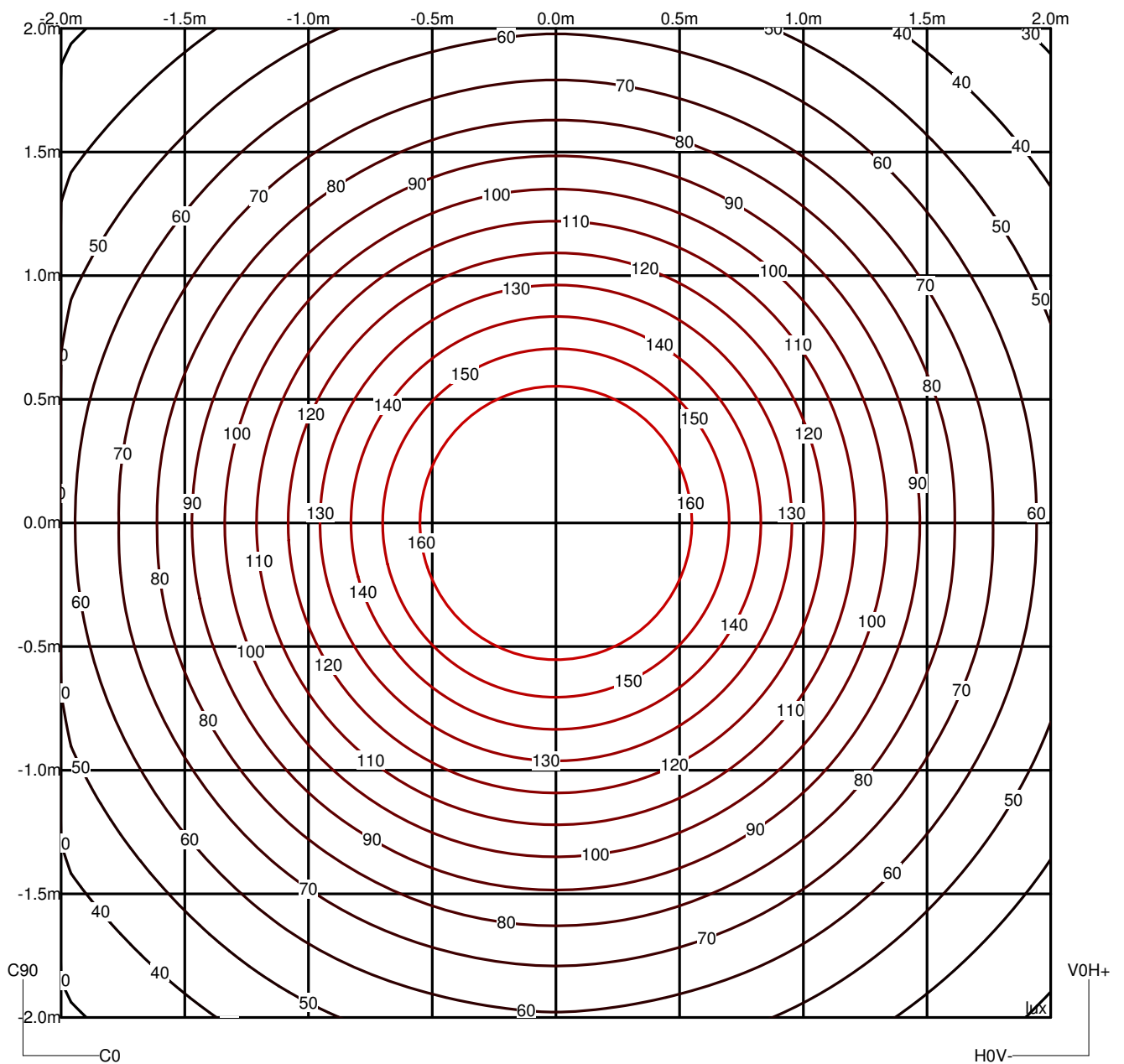
Measurerm.

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

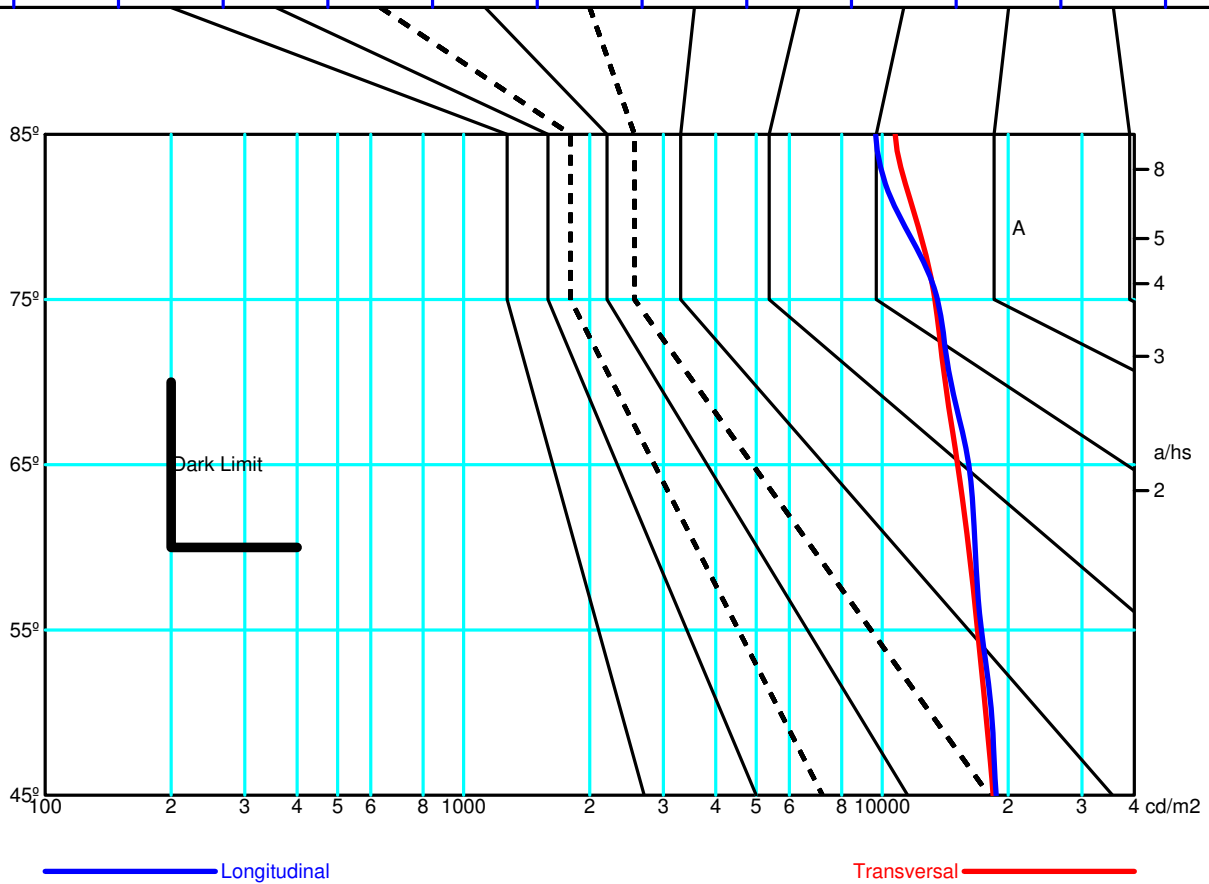
Measurment

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

		Average Luminance [cd/m ²]											
		45°	50°	55°	60°	65°	70°	75°	80°	85°	---	---	
0.0°	18413	17647	16923	16064	15140	14134	13356	12001	10742	---	---		
90.0°	18709	18248	17255	16668	16103	14580	13547	11011	9640	---	---		

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



Luminaire

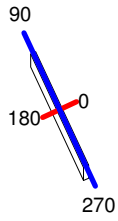
Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Measurem.

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

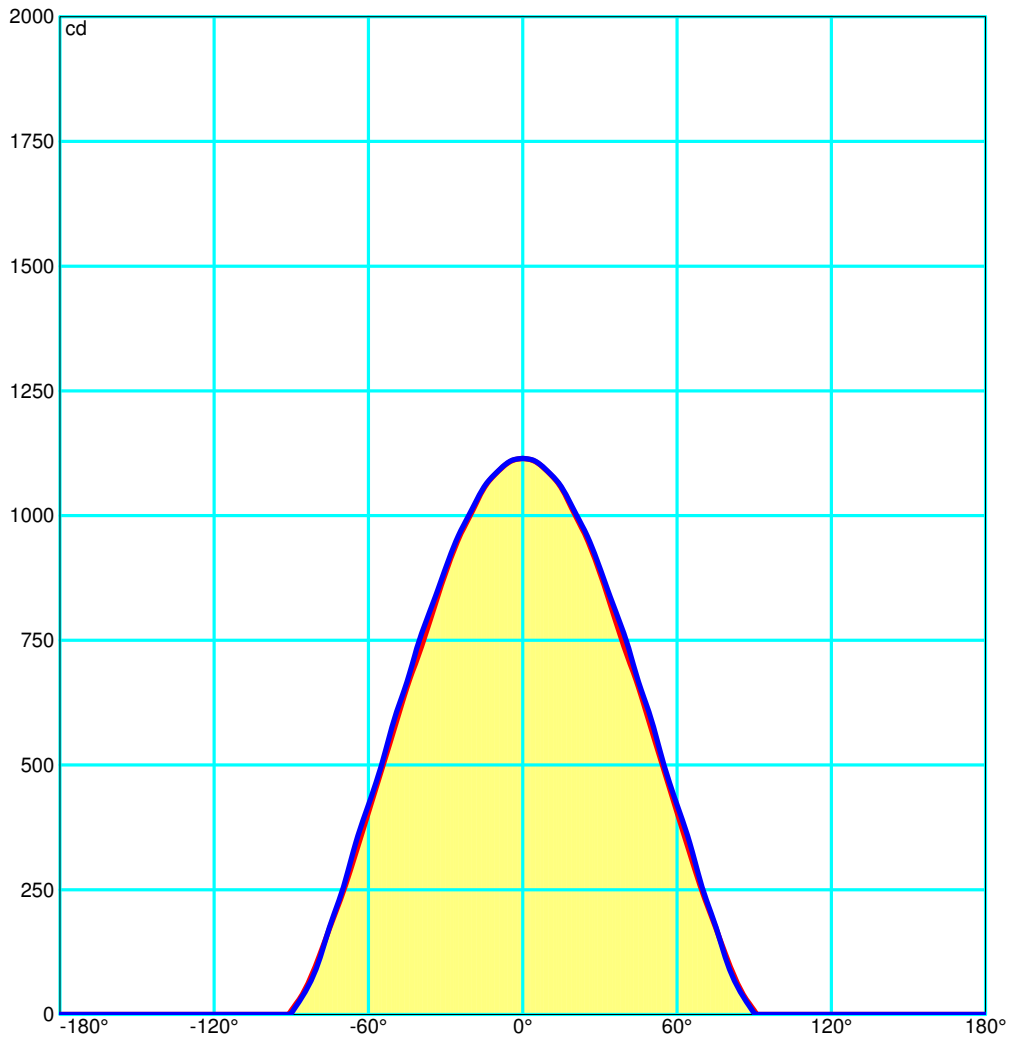
Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

1135mm x 50mm



C Halfplanes

180.0 ———— 0.0
 270.0 ———— 90.0



Luminaire

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Measurement

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	22.1	23.4	22.4	23.7	24.1	22.3	23.6	22.6	23.8	24.1
x=2H y=3H	23.6	24.8	23.9	25.1	25.5	23.8	25.0	24.1	25.2	25.5
x=2H y=4H	24.3	25.4	24.6	25.6	26.1	24.4	25.5	24.8	25.8	26.1
x=2H y=6H	24.7	25.7	25.1	26.0	26.5	24.8	25.9	25.2	26.2	26.5
x=2H y=8H	24.9	25.9	25.2	26.2	26.6	25.0	25.9	25.3	26.3	26.6
x=2H y=12H	25.0	25.9	25.4	26.2	26.6	25.0	26.0	25.4	26.3	26.6
x=4H y=2H	22.9	24.0	23.2	24.3	24.7	23.0	24.1	23.3	24.4	24.7
x=4H y=3H	24.6	25.5	24.9	25.8	26.3	24.7	25.6	25.1	26.0	26.3
x=4H y=4H	25.3	26.1	25.7	26.5	27.0	25.4	26.3	25.8	26.6	27.0
x=4H y=6H	25.9	26.6	26.3	27.0	27.5	26.0	26.7	26.4	27.1	27.5
x=4H y=8H	26.1	26.8	26.5	27.2	27.6	26.1	26.8	26.6	27.2	27.6
x=4H y=12H	26.2	26.9	26.7	27.3	27.7	26.3	26.9	26.7	27.3	27.7
x=8H y=4H	25.7	26.3	26.1	26.7	27.2	25.8	26.4	26.2	26.8	27.2
x=8H y=6H	26.4	26.9	26.8	27.3	27.9	26.4	27.0	26.9	27.4	27.9
x=8H y=8H	26.6	27.1	27.1	27.6	28.0	26.7	27.1	27.1	27.6	28.0
x=8H y=12H	26.9	27.3	27.3	27.7	28.2	26.8	27.2	27.3	27.7	28.2
x=12H y=4H	25.7	26.3	26.1	26.7	27.2	25.8	26.4	26.2	26.8	27.2
x=12H y=6H	26.4	26.9	26.9	27.3	27.9	26.5	27.0	26.9	27.4	27.9
x=12H y=8H	26.7	27.1	27.2	27.6	28.1	26.7	27.2	27.2	27.6	28.1

Luminaire

 Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Measurerm.

 Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Total Flux=2875.09 Luminaire Flux=2875.09

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	0.32	0.41	0.48	0.55	0.61	0.69	0.75	0.79	0.84	0.87	0.93	0.97
RC	5	5	5	5	5	4	4	4	4	4	4	4

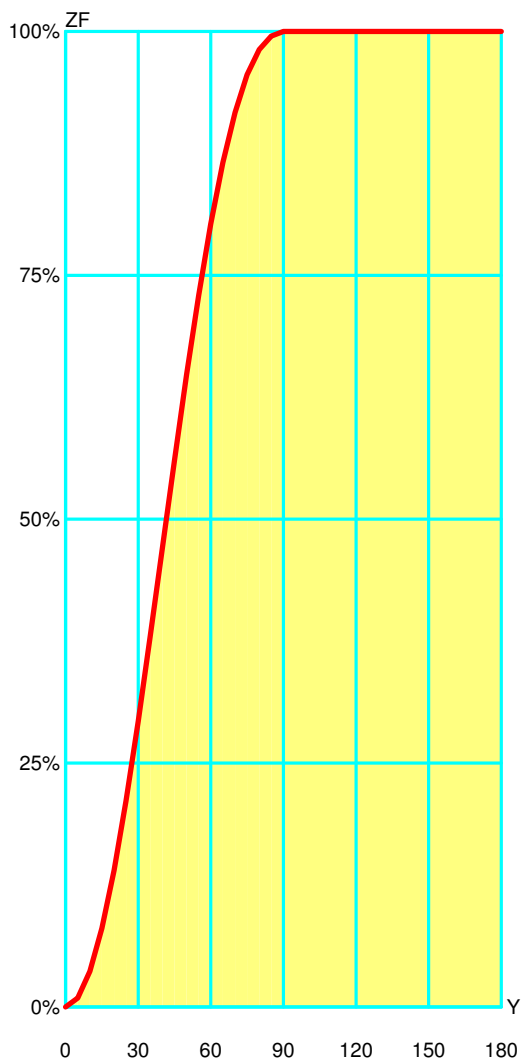
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	37	140	293	471	648	803	917	981	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

50 80 96 100 100

C.I.E.	5/5/5/5/4/4/4/4/4/4	LOR	99.99990 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	1.00 E	DLOR	99.99990 %
B NBN	BZ 4	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.24	9.24	0.92 %	0.92 %
10°	27.31	36.56	2.73 %	3.66 %
15°	44.22	80.78	4.42 %	8.08 %
20°	59.17	139.95	5.92 %	13.99 %
25°	71.64	211.59	7.16 %	21.16 %
30°	81.29	292.88	8.13 %	29.29 %
35°	87.42	380.30	8.74 %	38.03 %
40°	90.36	470.66	9.04 %	47.07 %
45°	90.25	560.91	9.02 %	56.09 %
50°	87.37	648.28	8.74 %	64.83 %
55°	81.47	729.75	8.15 %	72.97 %
60°	73.07	802.82	7.31 %	80.28 %
65°	63.00	865.82	6.30 %	86.58 %
70°	51.12	916.95	5.11 %	91.69 %
75°	38.70	955.64	3.87 %	95.56 %
80°	25.75	981.40	2.58 %	98.14 %
85°	13.75	995.14	1.37 %	99.51 %
90°	4.85	1000.00	0.49 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

Luminaire

Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Measurment

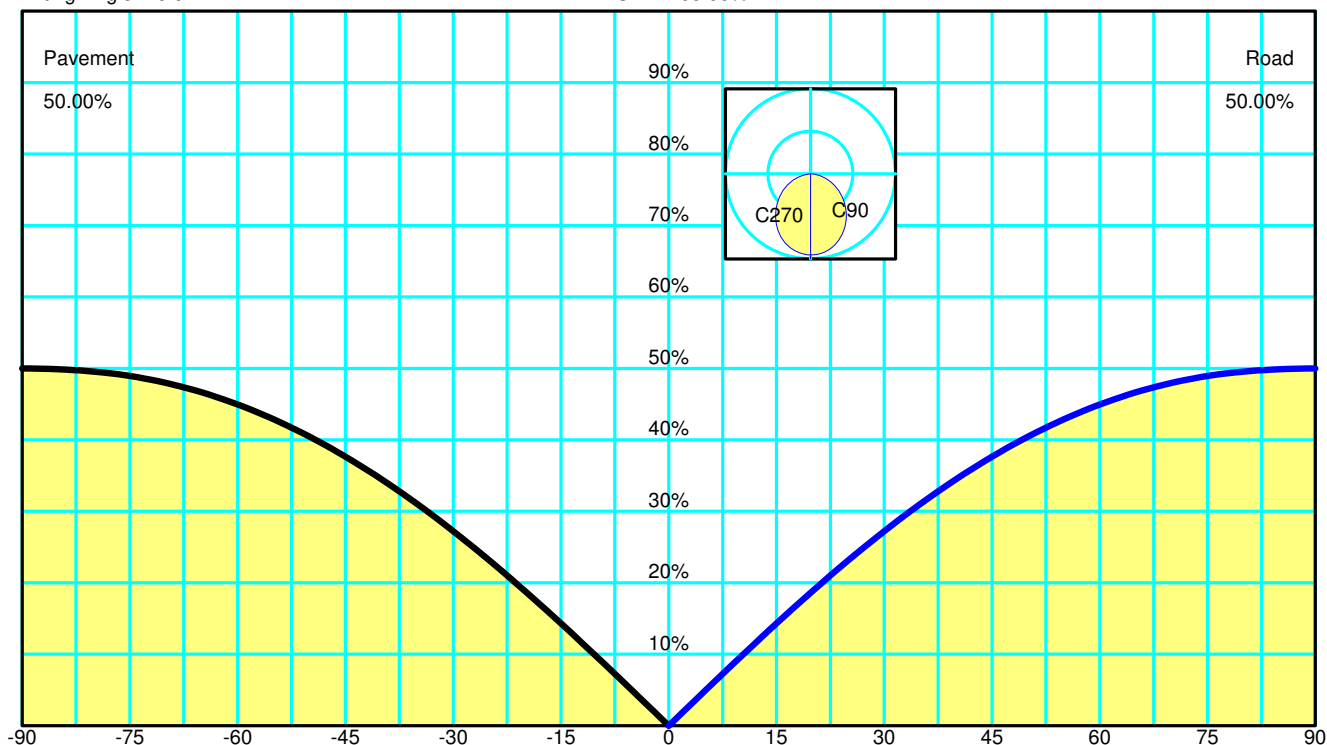
Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	4.84%	Piano	5	4.84%
Piano	-10	9.63%	Piano	10	9.63%
Piano	-15	14.31%	Piano	15	14.31%
Piano	-20	18.83%	Piano	20	18.83%
Piano	-25	23.15%	Piano	25	23.15%
Piano	-30	27.22%	Piano	30	27.22%
Piano	-35	31.01%	Piano	35	31.01%
Piano	-40	34.49%	Piano	40	34.49%
Piano	-45	37.64%	Piano	45	37.64%
Piano	-50	40.45%	Piano	50	40.45%
Piano	-55	42.88%	Piano	55	42.88%
Piano	-60	44.94%	Piano	60	44.94%
Piano	-65	46.64%	Piano	65	46.64%
Piano	-70	47.97%	Piano	70	47.97%
Piano	-75	48.93%	Piano	75	48.93%
Piano	-80	49.55%	Piano	80	49.55%
Piano	-85	49.88%	Piano	85	49.88%
Piano	-90	50.00%	Piano	90	50.00%

Tilting Angle = 0.0

DLOR = 100.00%



Spread	20.8° Narrow	DLOR	99.99990 %
Throw	10.1° Short	ULOR	0.00000 %
SLI (glare)	5.7 Tight	Efficiency	99.99990 %
CIE Cutoff	Semi-Cutoff - Max: C=0.0° Gamma=0.0°	RN	0.00000 %
Iesna Cutoff	Cutoff	Luminous Intensity Class	G5
DIN5044	KB2	Glare Index	D5

IESNA Type V Very Short Quadrilateral Symmetry

Luminaire

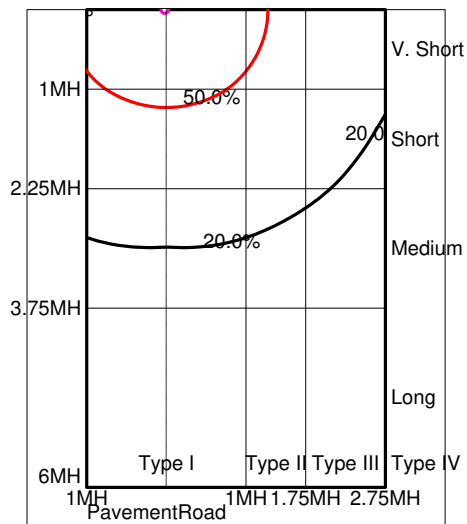
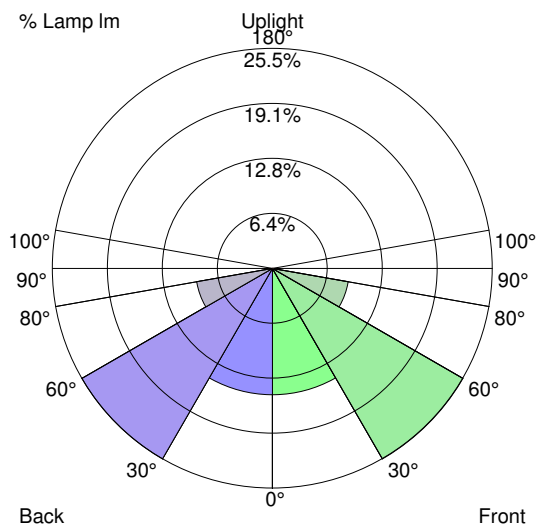
Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Measurement

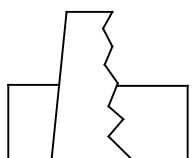
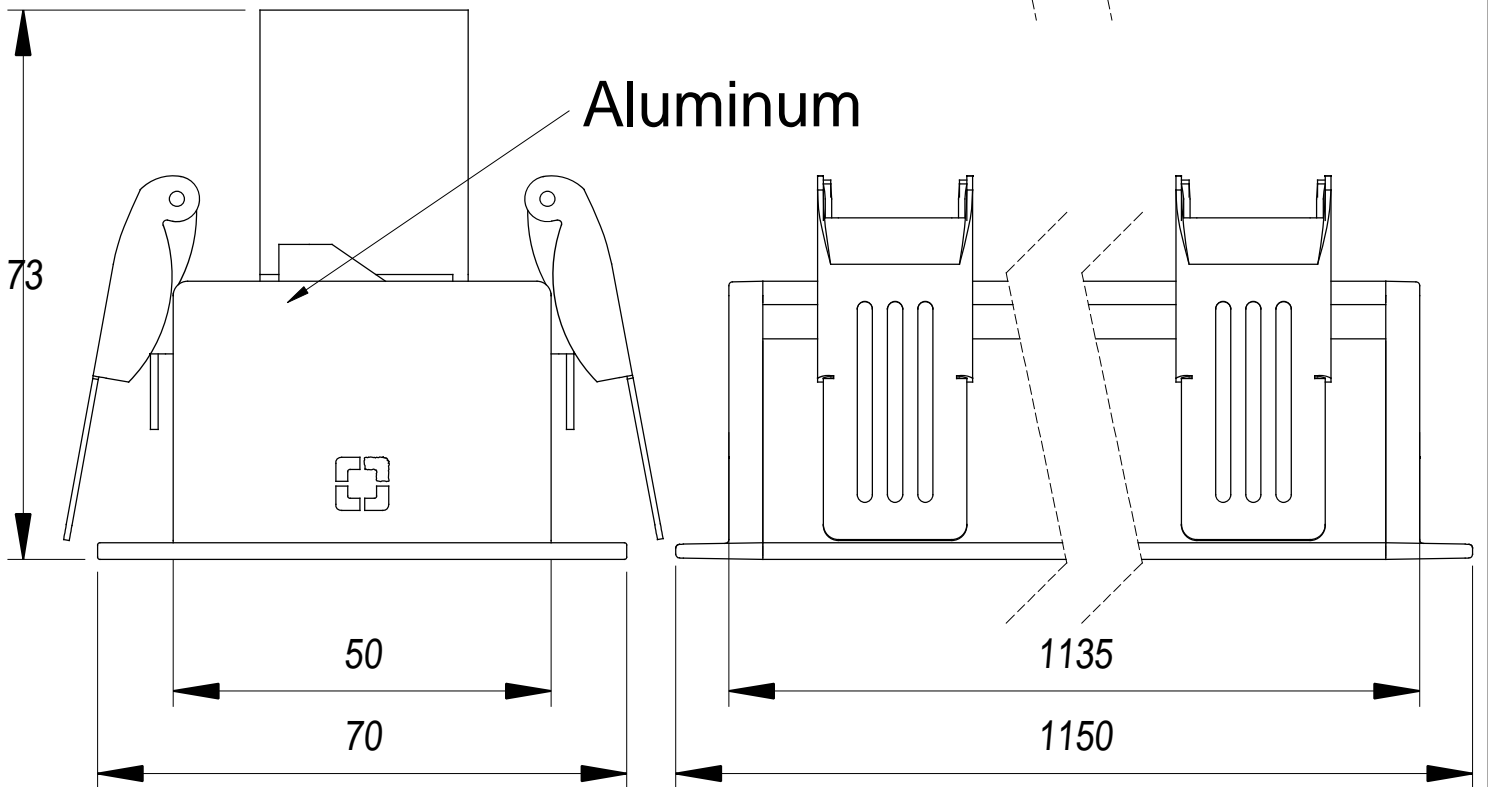
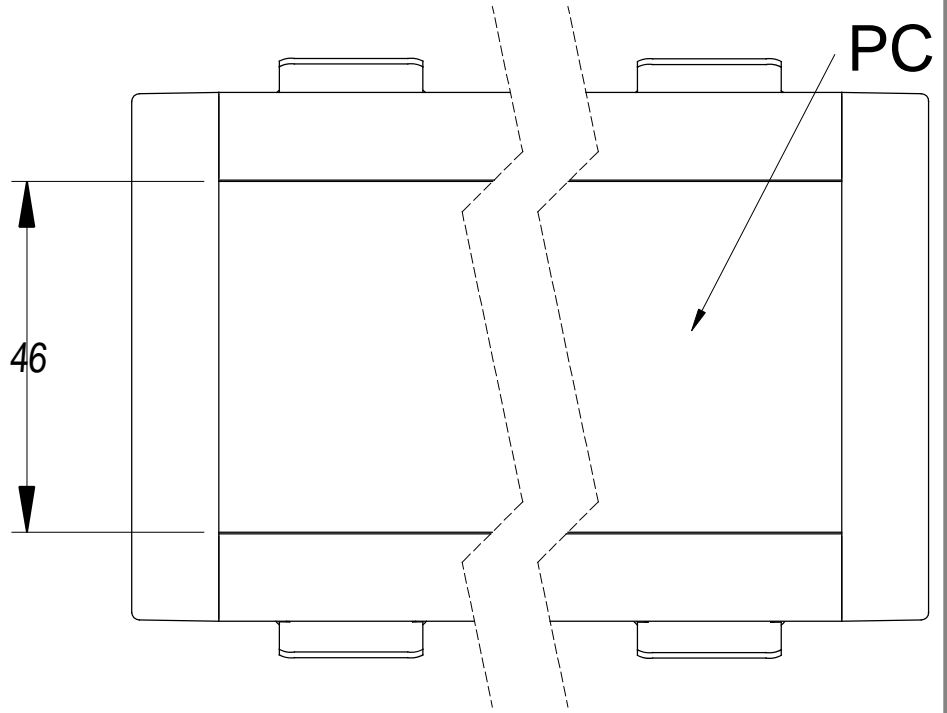
Code 90-4799-14-OU
 Name Plafón INFINITE 80 leds 34.6W

Luminaire Flux	2875.09 lm	Luminaire Power	35.00 W	Efficacy	82.15 lm/W	Efficiency	100.00%
Lamps Flux	2875.09 lm	Maximum value	1114.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

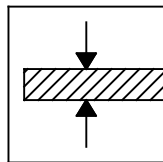
US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone	Angle Range	Lumens	%Lamp / %Lum
FL	0° -- 30°	421.4 lm	14.7 % / 14.7 %
FM	30° -- 60°	733.5 lm	25.5 % / 25.5 %
FH	60° -- 80°	256.6 lm	8.9 % / 8.9 %
FVH	80° -- 90°	26.0 lm	0.9 % / 0.9 %
BL	0° -- 30°	421.4 lm	14.7 % / 14.7 %
BM	30° -- 60°	733.5 lm	25.5 % / 25.5 %
BH	60° -- 80°	256.6 lm	8.9 % / 8.9 %
BVH	80° -- 90°	26.0 lm	0.9 % / 0.9 %
UL	90° -- 100°	0.0 lm	0.0 % / 0.0 %
UH	100° -- 180°	0.0 lm	0.0 % / 0.0 %
TOTALS		2875.1 lm	100.0 % / 100.0 %
BUG B1 U0 G1 Type V Very Short Quadrilateral Symmetry			



60x1140



0-30mm

1:1

02-11-15

