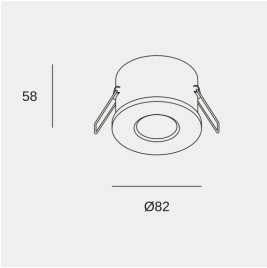
Minor

TC-1200-SAT

Wall fixture IP54 Minor Chrome





70 0-16

TECHNICAL FEATURES

IP54 0,5m

Luminaire total power : 8W

Real lumens : 857

Real lm/W : 107

Lens / reflector angle : FLOOD 59º

Structure material : Aluminium

Structure finish : Satin nickel

Diffuser material : Glass

Diffuser finish : Transparent

Max. size of light bulb : 55/50 mm

Recommended light bulb : GU10/G5.3

Equipment necessary but not included :

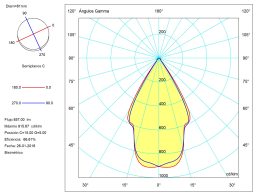
Voltage / frequency : 12V ~ 50/60Hz

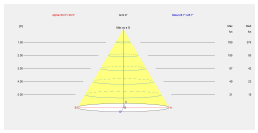
Warranty : 3 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
GU10/G5.3	1	Max. power 8W	-





LOGISTICS

Net weight (kg): 0.2

Packaged weight (kg): 0.24

Packaging: 90mm x 90mm x 70mm

50 Un

LIGHT APPLICATION

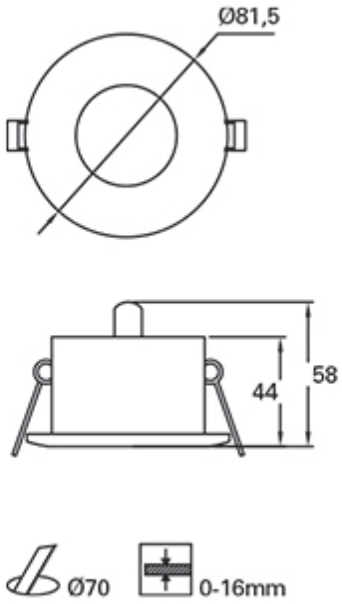


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

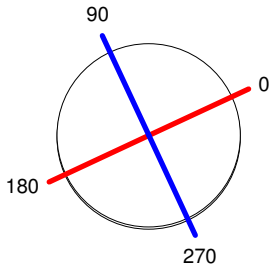
Round Luminaire	Diam. 40 mm	Height	1 mm
Round Luminous Area	Diam. 40 mm	Height	1 mm
Horizontal Luminous Area	0.001257 m2	Emitting area on Plane 180°	0.000040 m2
Emitting area on Plane 0°	0.000040 m2	Emitting area on Plane 270°	0.000040 m2
Emitting area on Plane 90°	0.000040 m2	Glare area at 76°	0.000343 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	26-01-2016	Maximum Gamma Angle	90
Measurement Distance	0.00	Measurement Flux	857.00 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
	46870VWFL	46870VWFL - 50.00 W	857.00	50.00	1

C.I.E.	95 98 100 100 67	D DIN 5040	A60
F UTE	0.67 A	B NBN	BZ 1

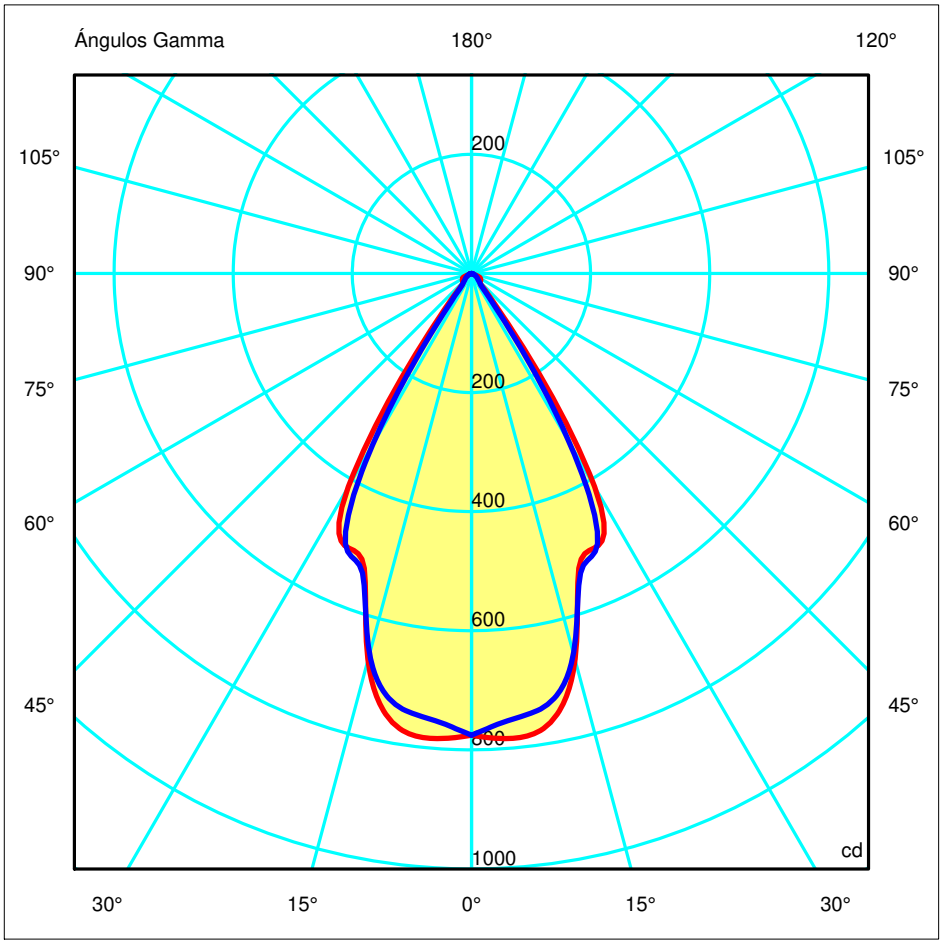
Diam=40mm



Semiplanos C

180.0 — 0.0

270.0 — 90.0

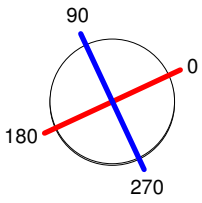


ULOR	0.00 %
DLOR	66.61 %
RN	0.00 %

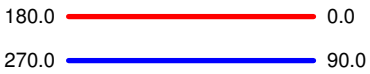
Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

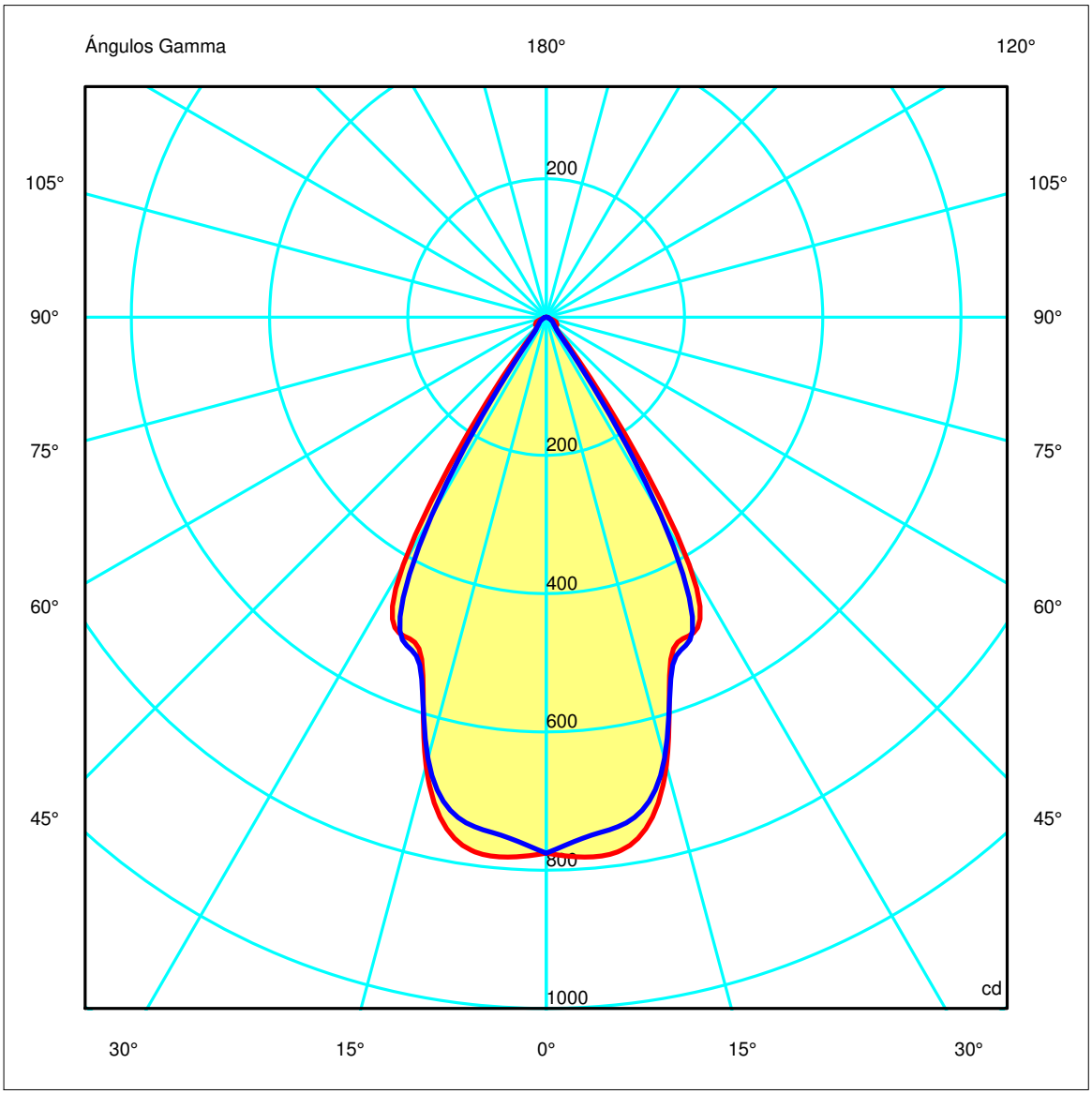
Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Diam=40mm



Semiplanos C





Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

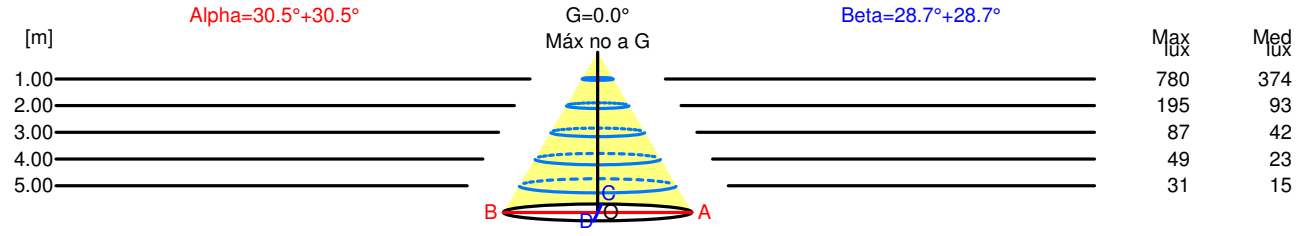
Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

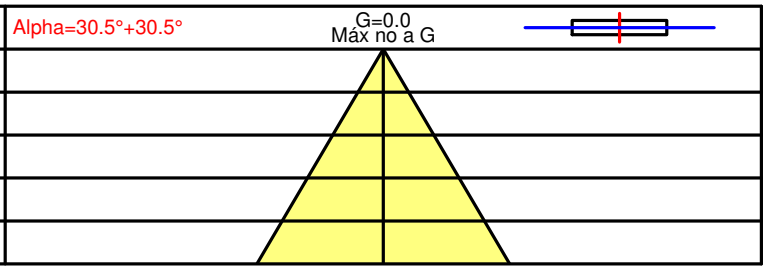
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.59	1.18	1.77	2.35	2.94	OC	0.55	1.10	1.64	2.19	2.74
OB	0.59	1.18	1.77	2.35	2.94	OD	0.55	1.10	1.64	2.19	2.74

Luminous Intensities [cd]

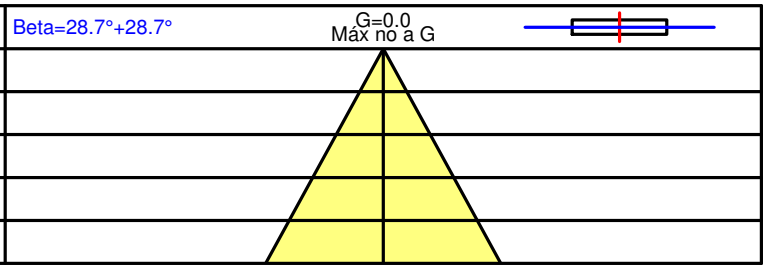
	0	5	15	25	35	45	55	65	75	85
OA	775.23	783.48	671.32	503.93	149.72	18.99	18.99	14.92	2.93	0.66
OB	775.23	783.48	671.32	503.93	149.72	18.99	18.99	14.92	2.93	0.66
OC	775.23	752.08	661.05	500.63	82.99	16.60	10.83	6.16	2.45	0.35
OD	775.23	752.08	661.05	500.63	82.99	16.60	10.83	6.16	2.45	0.35



H[m]	D[m]	Max lux	Med lux
1.00	1.18	780	374
2.00	2.35	195	93
3.00	3.53	87	42
4.00	4.71	49	23
5.00	5.88	31	15



H[m]	D[m]	Max lux	Med lux
1.00	1.10	780	374
2.00	2.19	195	93
3.00	3.29	87	42
4.00	4.38	49	23
5.00	5.48	31	15

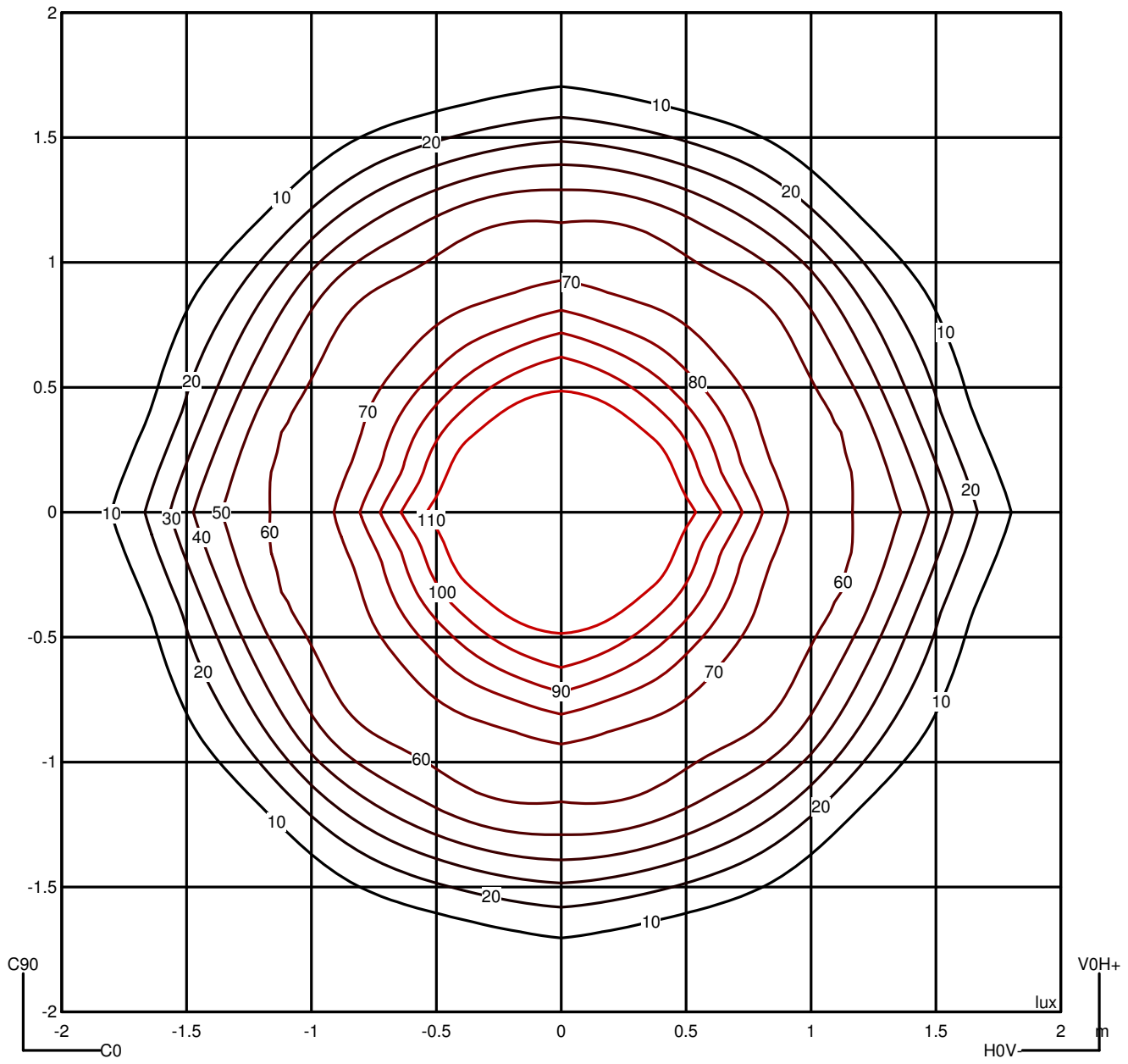


Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Isolux (Floor)

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



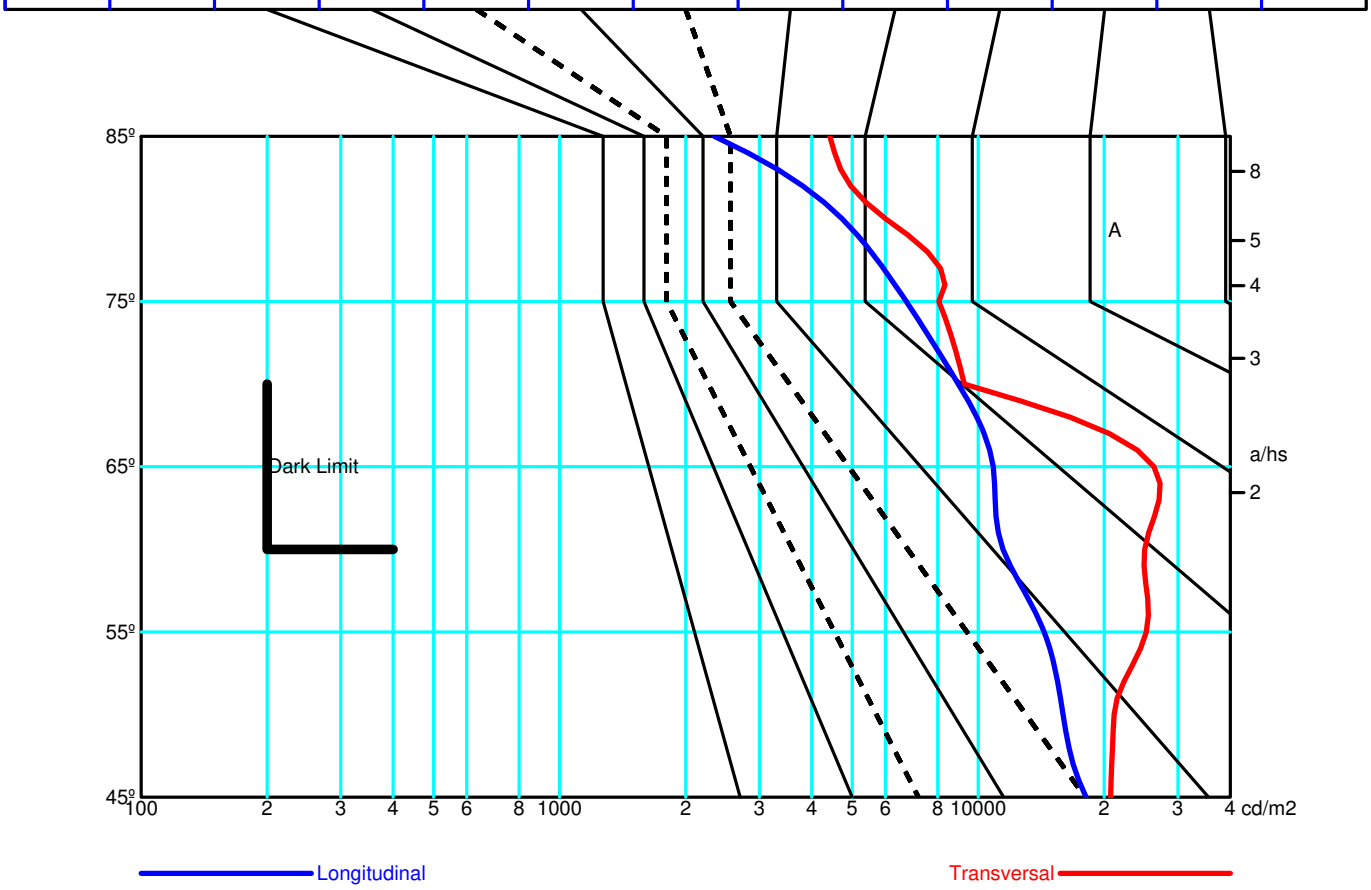
Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	20712	21112	25201	24979	26299	9264	8052	6017	4419	---
90.0°	18105	15947	14372	11464	10858	8965	6733	4736	2343	---

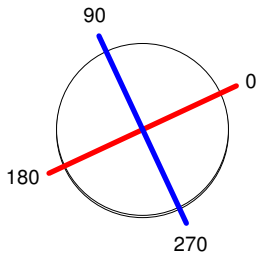
Flujo montado o vista longitudinal												
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

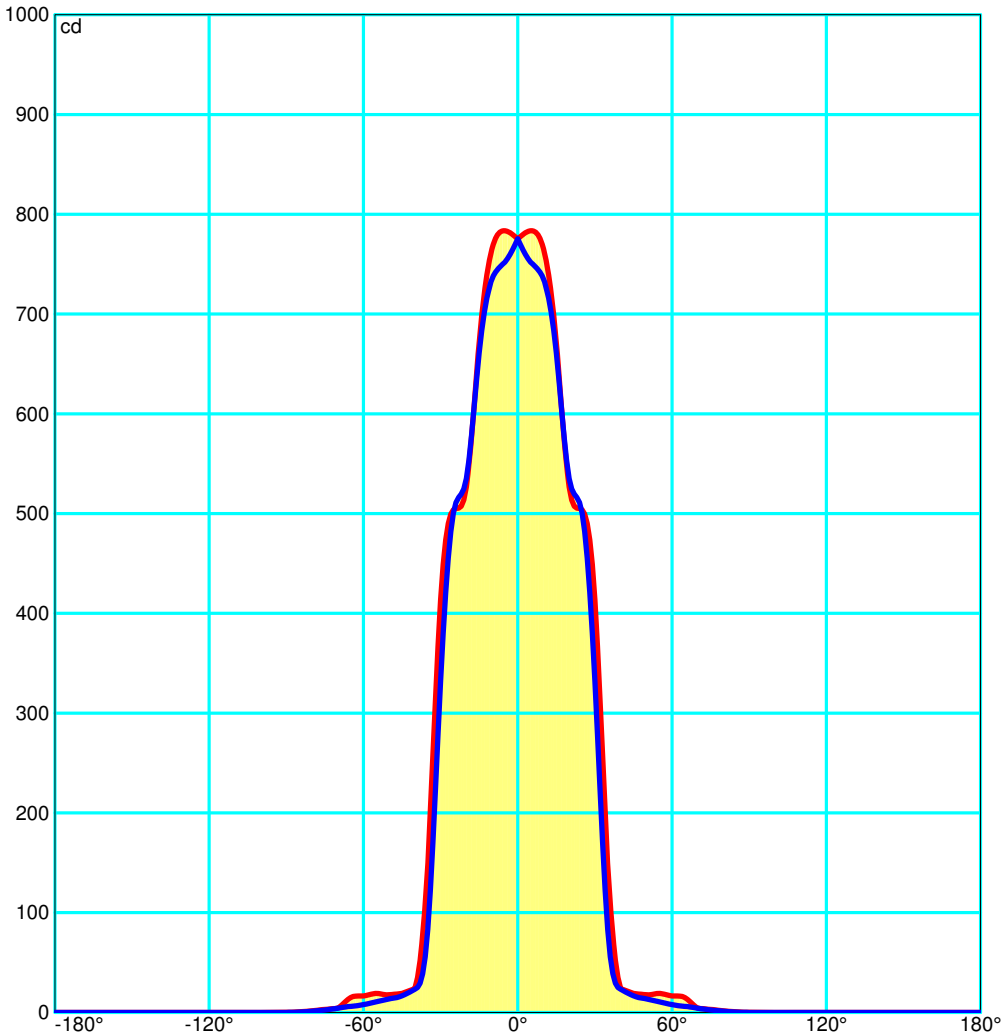
Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Diam=40mm



Semiplanos C





Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	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	18.9	19.6	19.1	19.8	19.2	18.1	18.8	18.3	19.0	19.2
x=2H y=3H	19.2	19.8	19.5	20.1	19.4	18.4	19.0	18.6	19.2	19.4
x=2H y=4H	19.2	19.8	19.5	20.1	19.5	18.4	19.0	18.7	19.3	19.5
x=2H y=6H	19.3	19.8	19.6	20.1	19.5	18.5	19.0	18.8	19.3	19.5
x=2H y=8H	19.2	19.8	19.6	20.1	19.5	18.4	18.9	18.8	19.2	19.5
x=2H y=12H	19.3	19.7	19.6	20.0	19.5	18.4	18.9	18.8	19.2	19.5
x=4H y=2H	18.9	19.4	19.1	19.7	19.2	18.1	18.7	18.4	18.9	19.2
x=4H y=3H	19.3	19.7	19.6	20.1	19.6	18.5	19.0	18.9	19.3	19.6
x=4H y=4H	19.3	19.8	19.7	20.1	19.7	18.6	19.0	19.0	19.4	19.7
x=4H y=6H	19.4	19.8	19.8	20.1	19.8	18.7	19.0	19.1	19.4	19.8
x=4H y=8H	19.4	19.7	19.8	20.1	19.8	18.7	19.0	19.1	19.4	19.8
x=4H y=12H	19.4	19.7	19.8	20.0	19.7	18.7	18.9	19.1	19.3	19.7
x=8H y=4H	19.3	19.6	19.7	20.0	19.7	18.6	18.9	19.0	19.3	19.7
x=8H y=6H	19.4	19.6	19.9	20.1	19.8	18.7	19.0	19.2	19.4	19.8
x=8H y=8H	19.4	19.6	19.9	20.1	19.8	18.7	18.9	19.2	19.4	19.8
x=8H y=12H	19.4	19.5	19.9	20.0	19.8	18.7	18.9	19.2	19.3	19.8
x=12H y=4H	19.3	19.6	19.7	20.0	19.7	18.6	18.9	19.0	19.3	19.7
x=12H y=6H	19.4	19.6	19.8	20.0	19.8	18.7	18.9	19.1	19.3	19.8
x=12H y=8H	19.4	19.5	19.9	20.0	19.8	18.7	18.9	19.2	19.3	19.8

Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Flujo Total=857.00 Flujo Luminaria=570.81

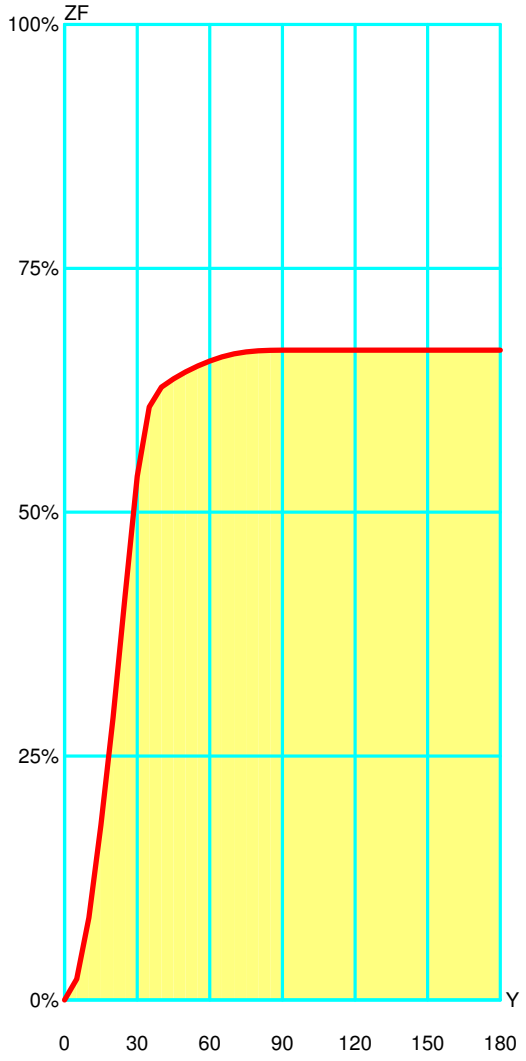
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.70	0.75	0.80	0.83	0.86	0.91	0.94	0.96	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	84	289	537	628	644	655	662	665	666	666	666	666	666	666	666	666	666	666

Códigos de Flujo C.I.E.
95 98 100 100 67

C.I.E.	-/-/-/-/-/-/-/-/-/-/-	LOR	66.60523 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	0.67 A	DLOR	66.60523 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	21.51	21.51	3.23 %	3.23 %
10°	62.88	84.38	9.44 %	12.67 %
15°	94.72	179.11	14.22 %	26.89 %
20°	110.33	289.44	16.56 %	43.46 %
25°	124.69	414.12	18.72 %	62.18 %
30°	122.76	536.88	18.43 %	80.61 %
35°	71.00	607.88	10.66 %	91.27 %
40°	20.38	628.26	3.06 %	94.33 %
45°	8.39	636.65	1.26 %	95.59 %
50°	7.08	643.73	1.06 %	96.65 %
55°	6.19	649.93	0.93 %	97.58 %
60°	5.06	654.98	0.76 %	98.34 %
65°	4.20	659.19	0.63 %	98.97 %
70°	3.18	662.36	0.48 %	99.45 %
75°	1.97	664.33	0.30 %	99.74 %
80°	1.14	665.47	0.17 %	99.91 %
85°	0.48	665.95	0.07 %	99.99 %
90°	0.10	666.05	0.01 %	100.00 %
95°	0.00	666.05	0.00 %	100.00 %
100°	0.00	666.05	0.00 %	100.00 %
105°	0.00	666.05	0.00 %	100.00 %
110°	0.00	666.05	0.00 %	100.00 %
115°	0.00	666.05	0.00 %	100.00 %
120°	0.00	666.05	0.00 %	100.00 %
125°	0.00	666.05	0.00 %	100.00 %
130°	0.00	666.05	0.00 %	100.00 %
135°	0.00	666.05	0.00 %	100.00 %
140°	0.00	666.05	0.00 %	100.00 %
145°	0.00	666.05	0.00 %	100.00 %
150°	0.00	666.05	0.00 %	100.00 %
155°	0.00	666.05	0.00 %	100.00 %
160°	0.00	666.05	0.00 %	100.00 %
165°	0.00	666.05	0.00 %	100.00 %
170°	0.00	666.05	0.00 %	100.00 %
175°	0.00	666.05	0.00 %	100.00 %
180°	0.00	666.05	0.00 %	100.00 %

Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

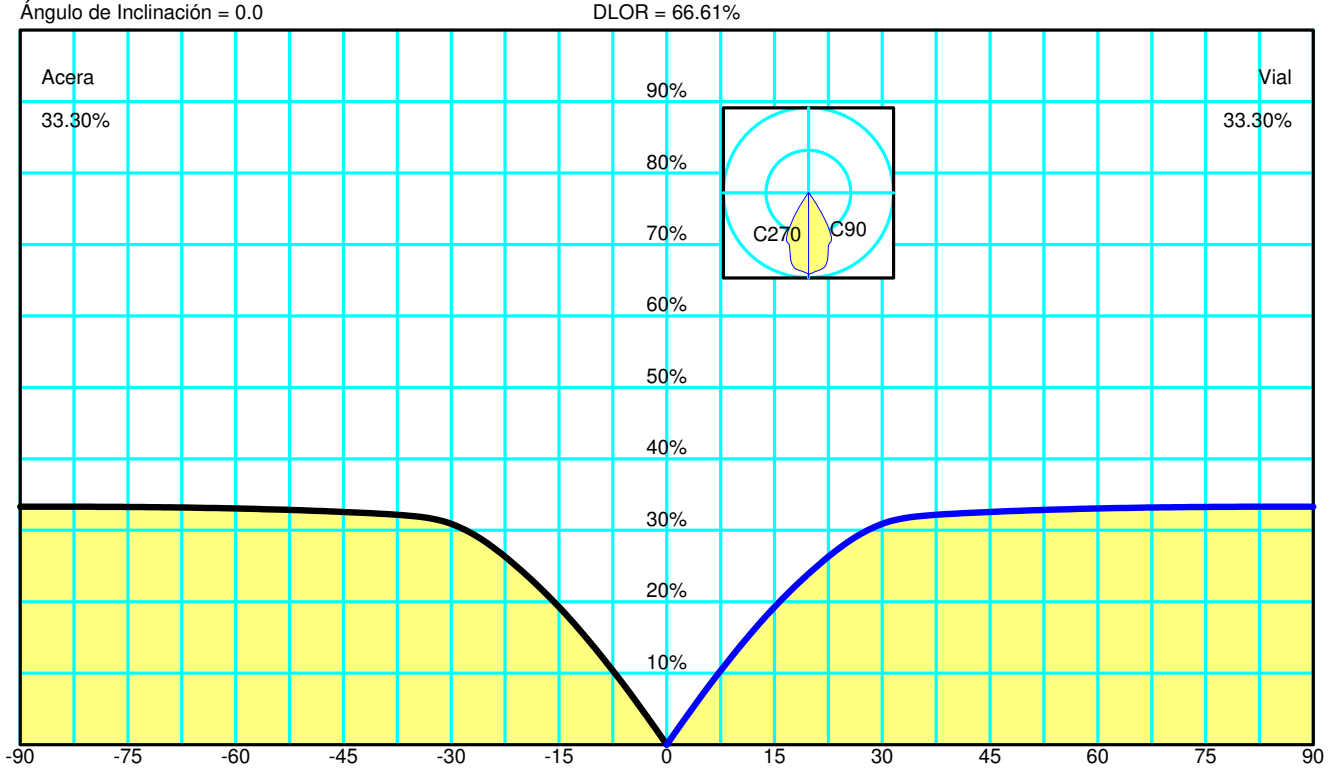
Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Pavement		
Piano	0	0.00%
Piano	-5	7.04%
Piano	-10	13.52%
Piano	-15	19.26%
Piano	-20	24.17%
Piano	-25	28.21%
Piano	-30	30.91%
Piano	-35	31.96%
Piano	-40	32.33%
Piano	-45	32.57%
Piano	-50	32.77%
Piano	-55	32.93%
Piano	-60	33.05%
Piano	-65	33.15%
Piano	-70	33.22%
Piano	-75	33.27%
Piano	-80	33.29%
Piano	-85	33.30%
Piano	-90	33.30%

Road		
Piano	0	0.00%
Piano	5	7.04%
Piano	10	13.52%
Piano	15	19.26%
Piano	20	24.17%
Piano	25	28.21%
Piano	30	30.91%
Piano	35	31.96%
Piano	40	32.33%
Piano	45	32.57%
Piano	50	32.77%
Piano	55	32.93%
Piano	60	33.05%
Piano	65	33.15%
Piano	70	33.22%
Piano	75	33.27%
Piano	80	33.29%
Piano	85	33.30%
Piano	90	33.30%

Ángulo de Inclinación = 0.0

DLOR = 66.61%



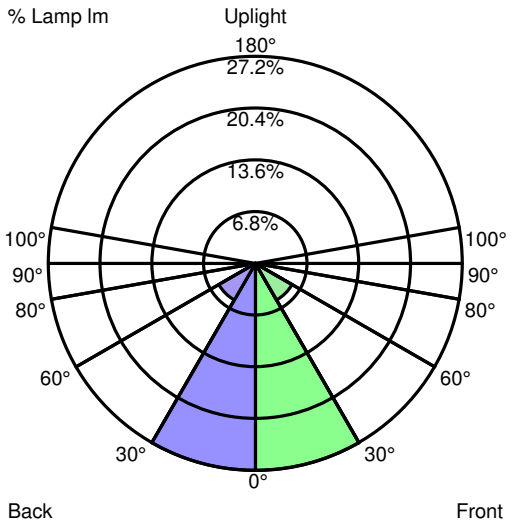
Spread	12.6° Estrecho	DLOR	66.60523 %
Throw	5.9° Corto	ULOR	0.00000 %
SLI (deslumbramiento)	9.8 Concentrado	Rendimiento	66.60523 %
Cutoff CIE	Cutoff - Max: C=15.0° Gamma=5.0°	RN	0.00000 %
Cutoff Iesna	Cutoff	Clase de Intensidad Luminosa	G5
DIN5044	KB1	Índice de Deslumbramiento	D6

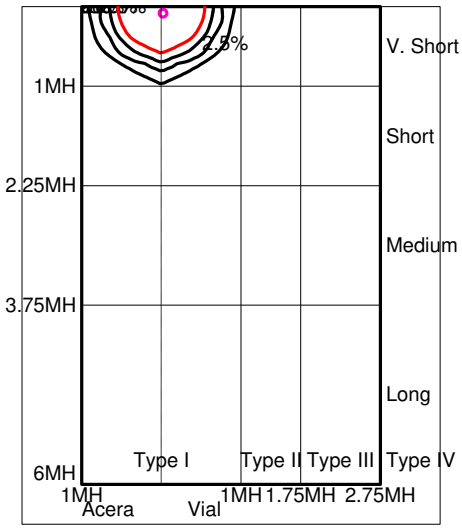
IESNA Type VS Very Short Quadrilateral Symmetry

Luminaire
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3
Measurem.
Code TC-1200-SAT
Name Downlight minor 1x50W GU5.3

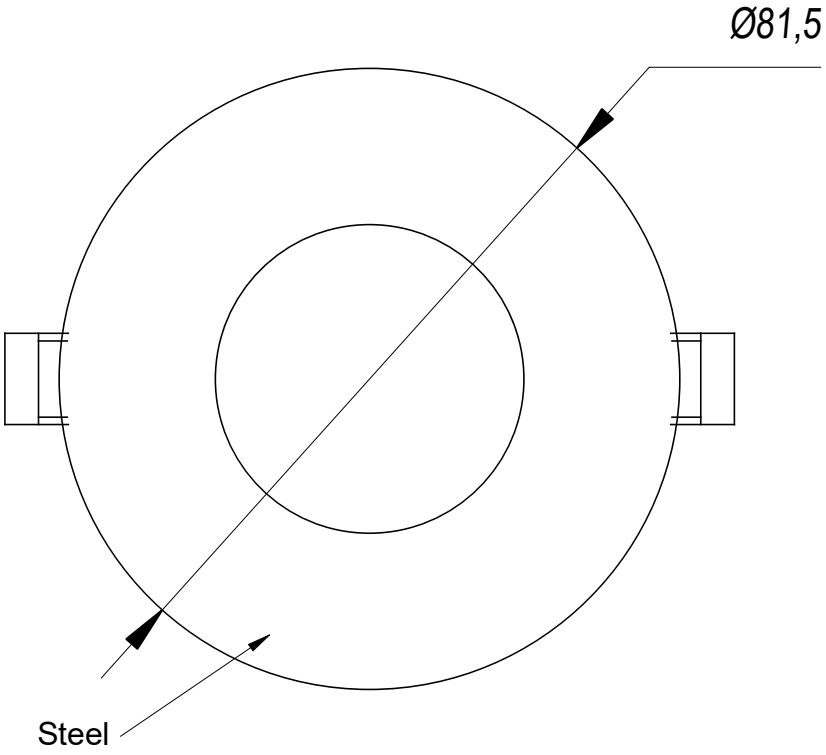
Luminaire Flux	570.81 lm	Luminaire Power	50.00 W	Efficacy	11.42 lm/W	Efficiency	66.61%
Lamps Flux	857.00 lm	Maximum value	784.73 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

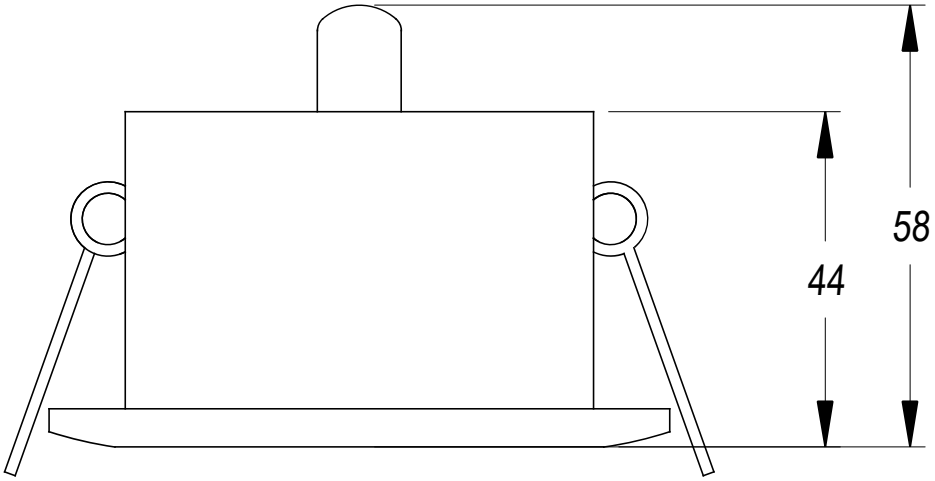
US ROAD STANDARDS

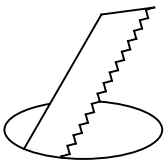




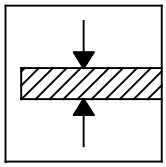
Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	233.1 lm	27.2 %	40.8 %
FM	30° -- 60°	47.6 lm	5.6 %	8.3 %
FH	60° -- 80°	4.5 lm	0.5 %	0.8 %
FVH	80° -- 90°	0.2 lm	0.0 %	0.0 %
BL	0° -- 30°	233.1 lm	27.2 %	40.8 %
BM	30° -- 60°	47.6 lm	5.6 %	8.3 %
BH	60° -- 80°	4.5 lm	0.5 %	0.8 %
BVH	80° -- 90°	0.2 lm	0.0 %	0.0 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		570.8 lm	66.6 %	100.0 %
BUG B1 U0 G0 Type VS Very Short Quadrilateral Symmetry				







Ø70



0-16mm

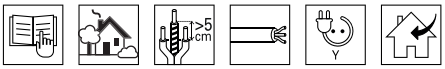
Scale 1:1

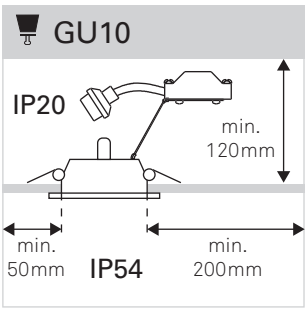
02-03-2015

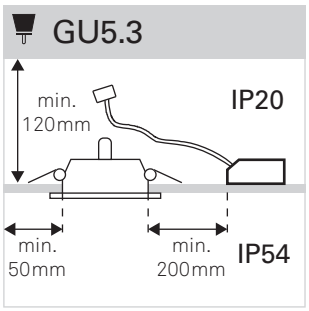
Minor

TC-1200

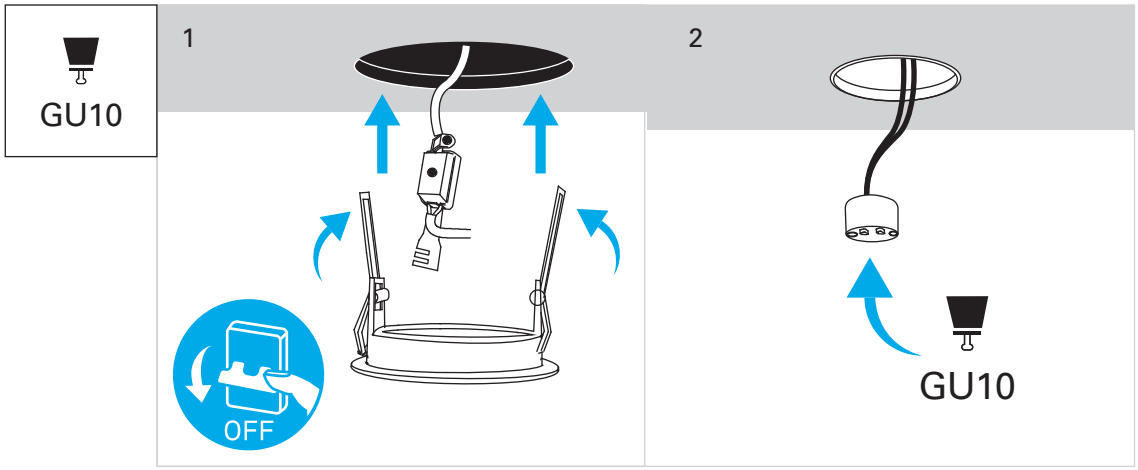
FOR LIGHT

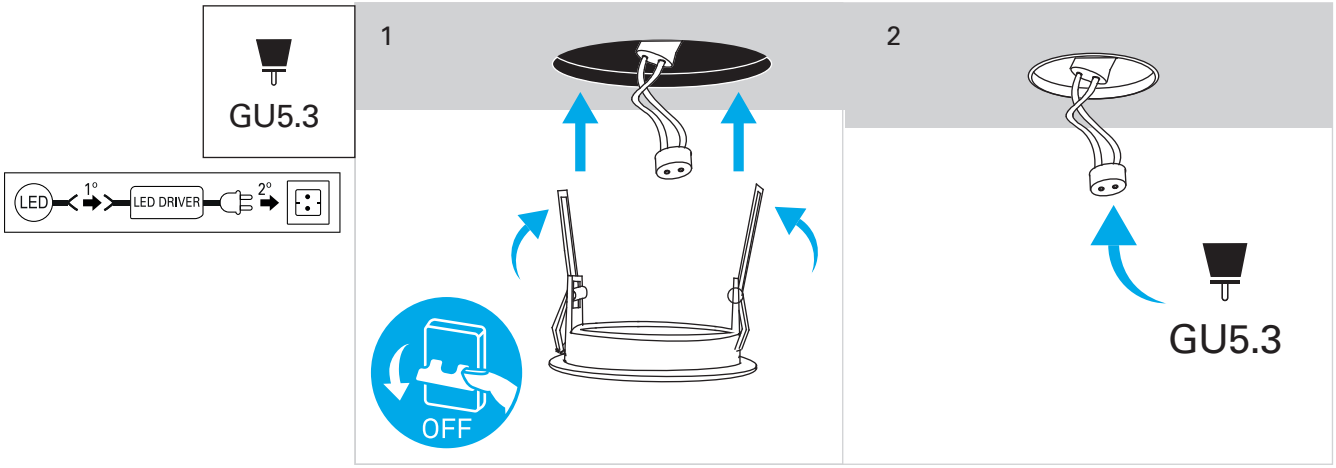


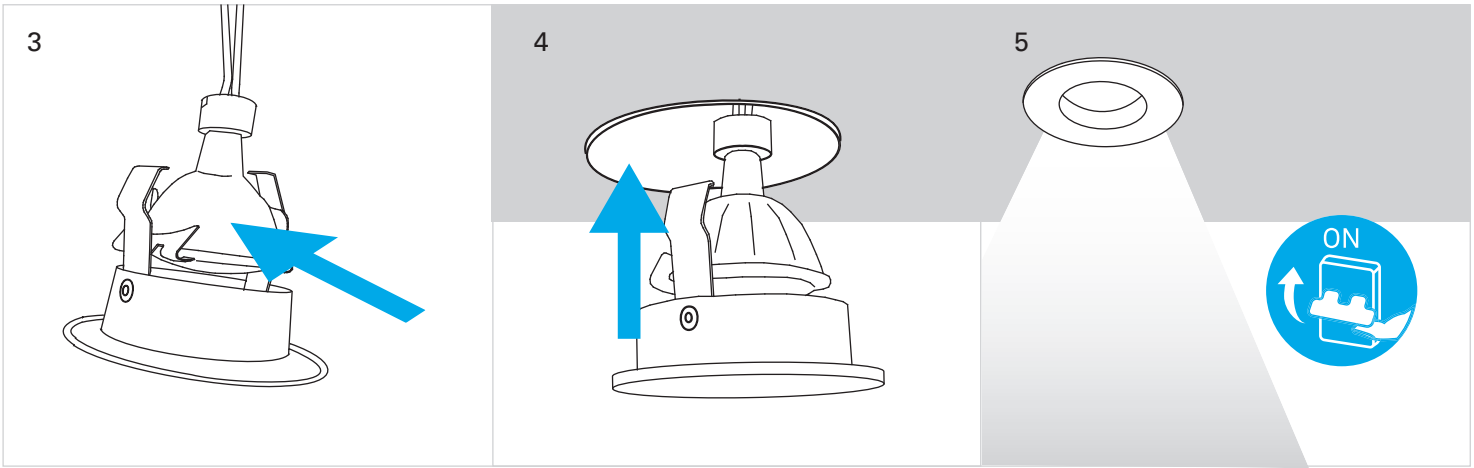












06-09-2021