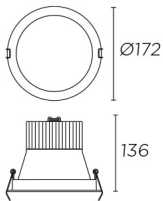


EQUAL S Downlight

**Description**

Downlight EQUAL S 25.9W 3000K CRI 80 Grey IP54 2451lm

	Finish	Material
Structure	Grey	Aluminium
Diffuser	Tinted	Methacrylate

**TECHNICAL CHARACTERISTICS****Light source**

Light source: LED CREE
 Light source power (W): 25.9W
 Luminaire total power (W): 28W
 Color temperature: LED warm-white
 3000K
 CRI: 80
 Photobiological risk: RG1
 Real Lumen: 2451
 Qty Leds: 1
 Lm/Real W: 88
 Life Time: 50.000h L80B20
 Bin / Grup: 30H
 MacAdam steps: 2
 UGR: 23.6

GEAR

Brand: TRIDONIC
 Gear included: Yes, electronic
 Voltage / Frequency:
 220-240VAC/50-60Hz
 Power Factor: 0.95

Luminaire

Warranty: 2 Years

Logistics

EAN Code: 8435381437909
 Net Weight (Kg): 1.55
 Weight in Kg (packaged): 1.88
 Packing: 265 x 270 x 185
 Masterbox: 1

 160

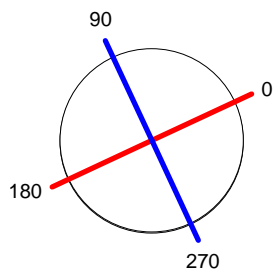
 0-25

The photograph may not match the reference exactly. Please read the product description to identify the finish.

Luminaire		Measur.		Lamp	
Code	90-2022	Code	90-2023	Code	L2022 25.9W 80 3000K
Name	EQUAL S 25.9W 830 D.171mm	Name	EQUAL S 25.9W 830 D.171mm	Number	1
Line	Eulumdat	Date	28-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	2450.67 lm
Maximum value	1288.67 cd	Position	C=0.00 G=0.00	Double Symmetrical	
Round Luminaire	Diam.	171 mm	Height	2 mm	
Round Luminous Area	Diam.	140 mm	Height	0 mm	
Horizontal Luminous Area	0.015394 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°	0.003724 m2	
Symmetry Type	Double Symmetrical		Maximum Gamma Angle	90	
Measurement Distance	0.00		Measurement Flux	2450.67 lm	
Operator	Asselum T2		Source voltage		
Temperature	25.00 °C		Source current		
Humidity	60.00 %		Photocell		
Notes					

Luminaire Lamps					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
Eulumdat	L2022 25.9W 80 3000K	L2022 25.9W 80 3000K - 26.00 W	2450.67	26.00	1
C.I.E.	66 91 98 100 100	D DIN 5040	A50		
F UTE	1.00 C	B NBN	BZ 2 / 2.5 / BZ 3		

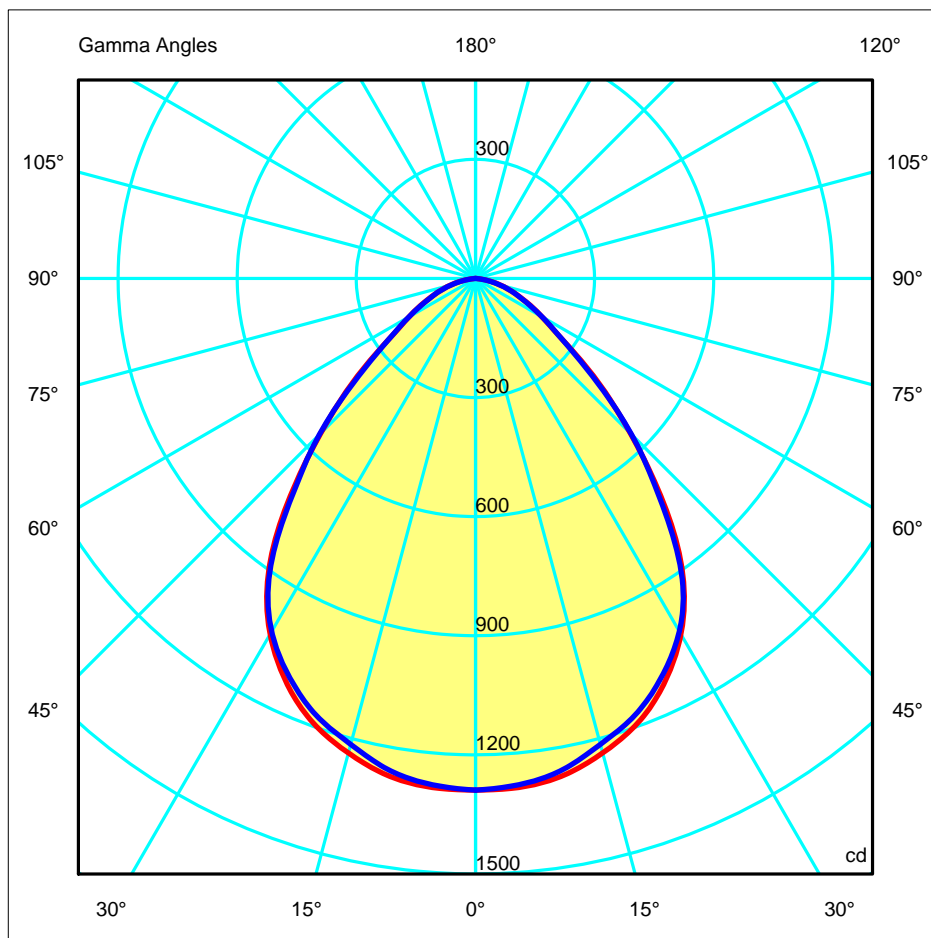
Diam=171mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %

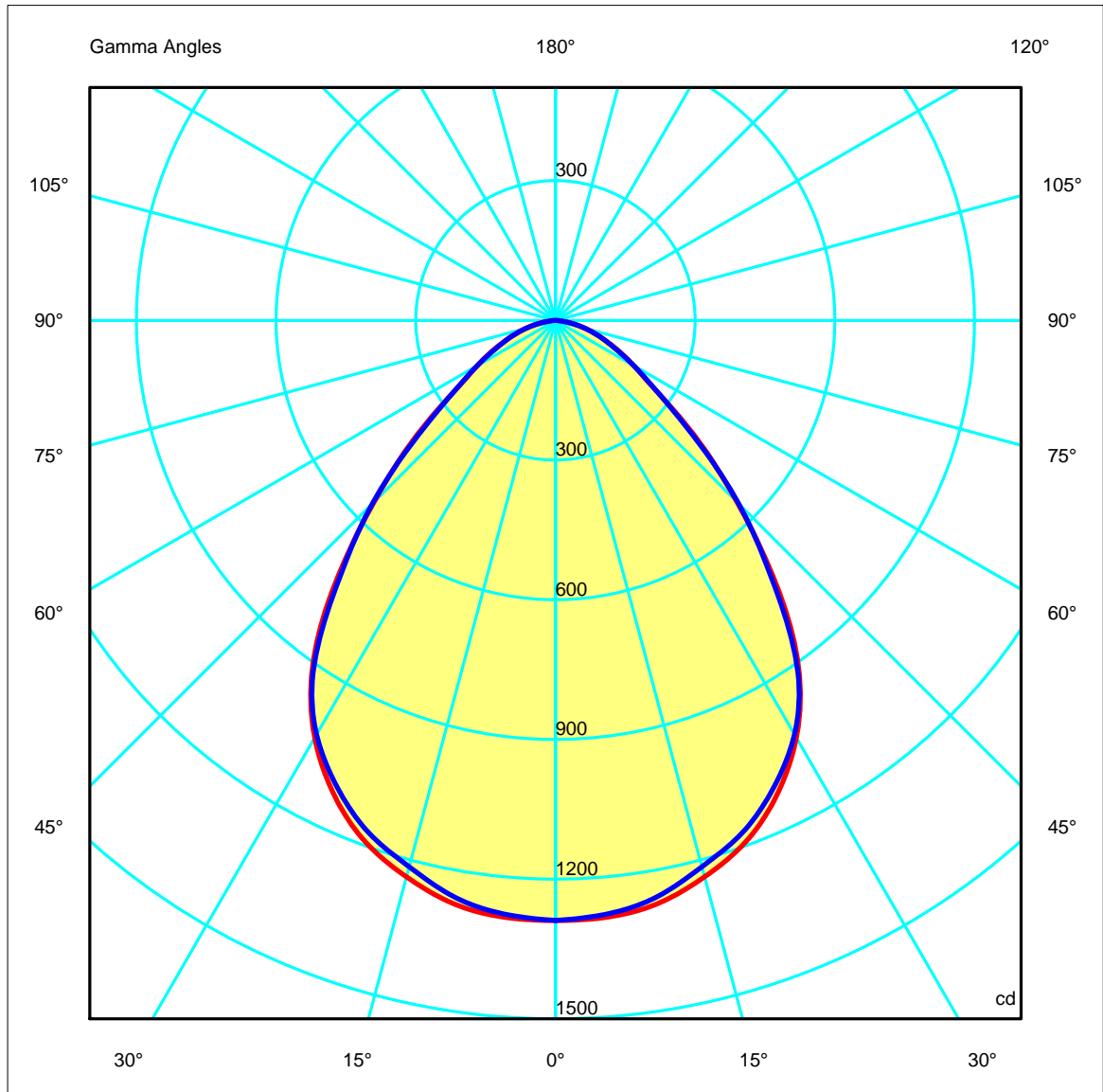
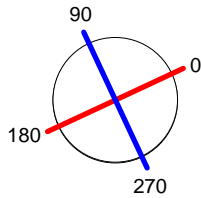


Luminaire		Measur.		Lamp	
Code	90-2022	Code	90-2023	Code	L2022 25.9W 80 3000K
Name	EQUAL S 25.9W 830 D.171mm	Name	EQUAL S 25.9W 830 D.171mm	Number	1
Line	Eulmdat	Date	28-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	2450.67 lm

Diam=171mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0

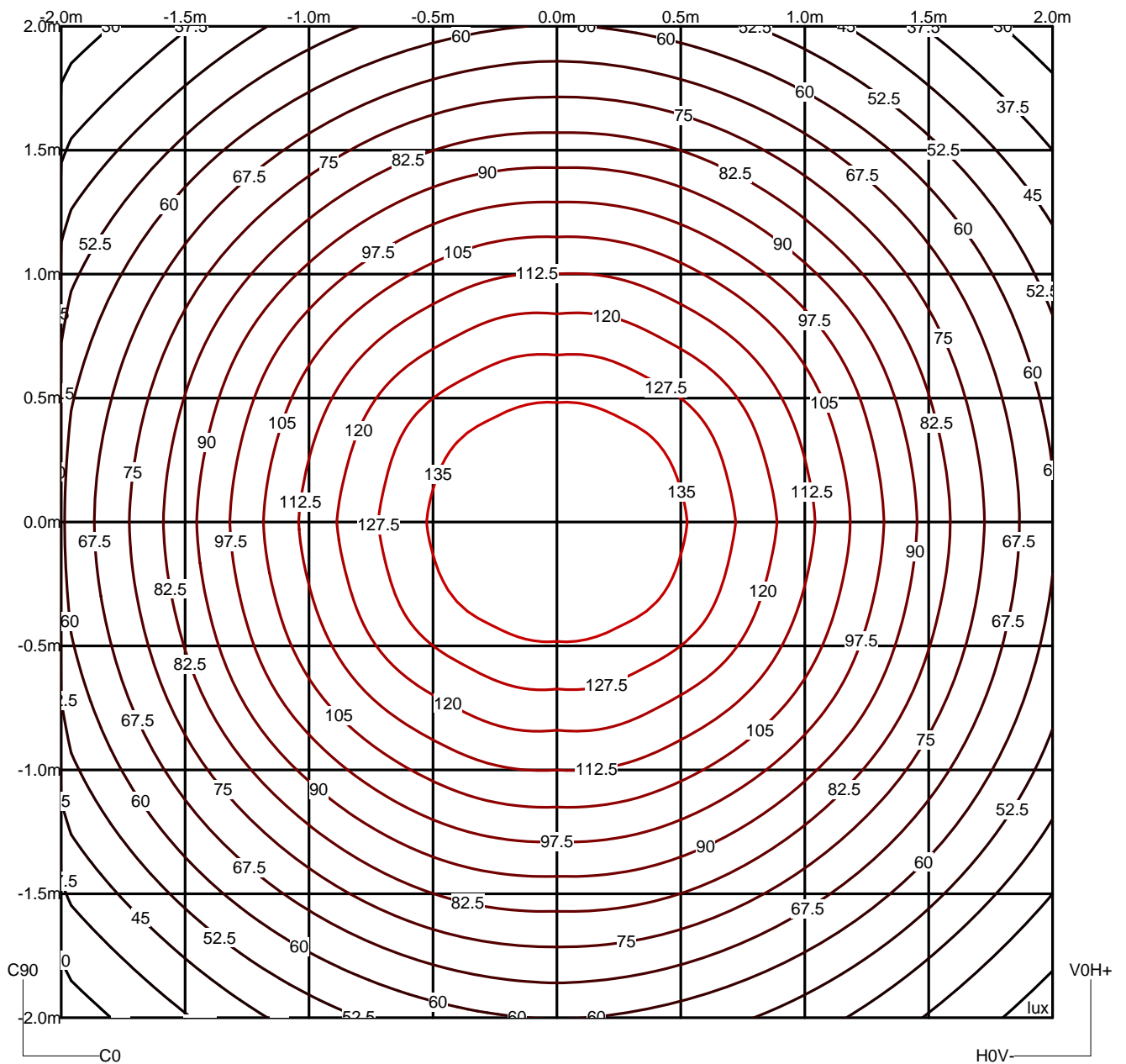


Luminaire	Measur.	Lamp
Code 90-2022	Code 90-2023	Code L2022 25.9W 80 3000K
Name EQUAL S 25.9W 830 D.171mm	Name EQUAL S 25.9W 830 D.171mm	Number 1
Line Eulumdat	Date 28-10-2014	Position

Efficiency 100.00%	Coordinate system CG	Total Flux 2450.67 lm
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Isolux (Floor)

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



Luminaire
 Code 90-2022
 Name EQUAL S 25.9W 830 D.171mm
 Line Eulumdat

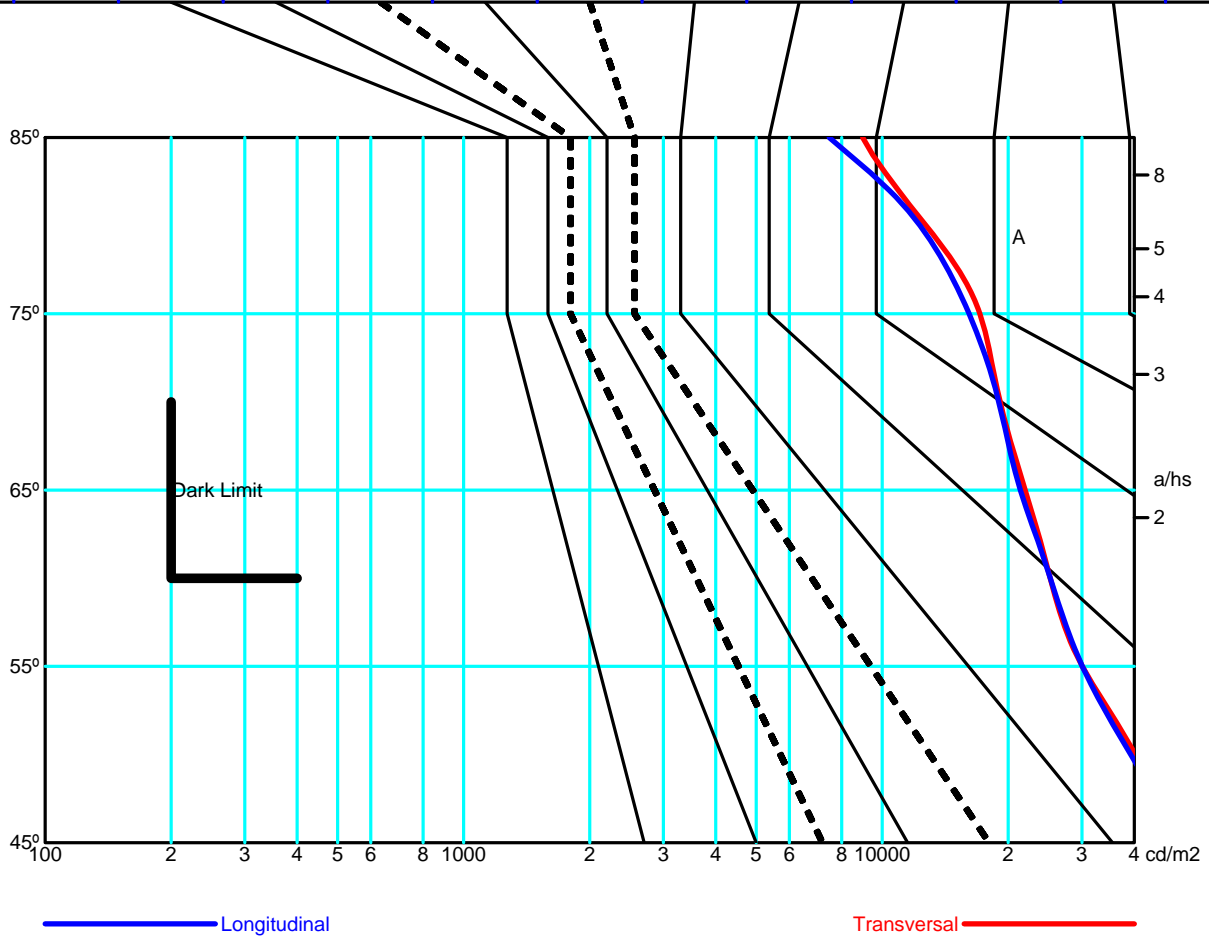
Measur.
 Code 90-2023
 Name EQUAL S 25.9W 830 D.171mm
 Date 28-10-2014

Lamp
 Code L2022 25.9W 80 3000K
 Number 1
 Position

Efficiency 100.00% Coordinate system CG Total Flux 2450.67 lm

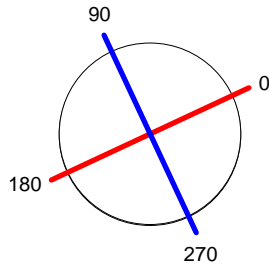
		Average Luminance [cd/m ²]										
		0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		50642	40234	30057	25212	21959	19121	17111	12730	8977	---	
90.0°		51084	39227	30069	25222	21385	18995	16123	12317	7471	---	

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

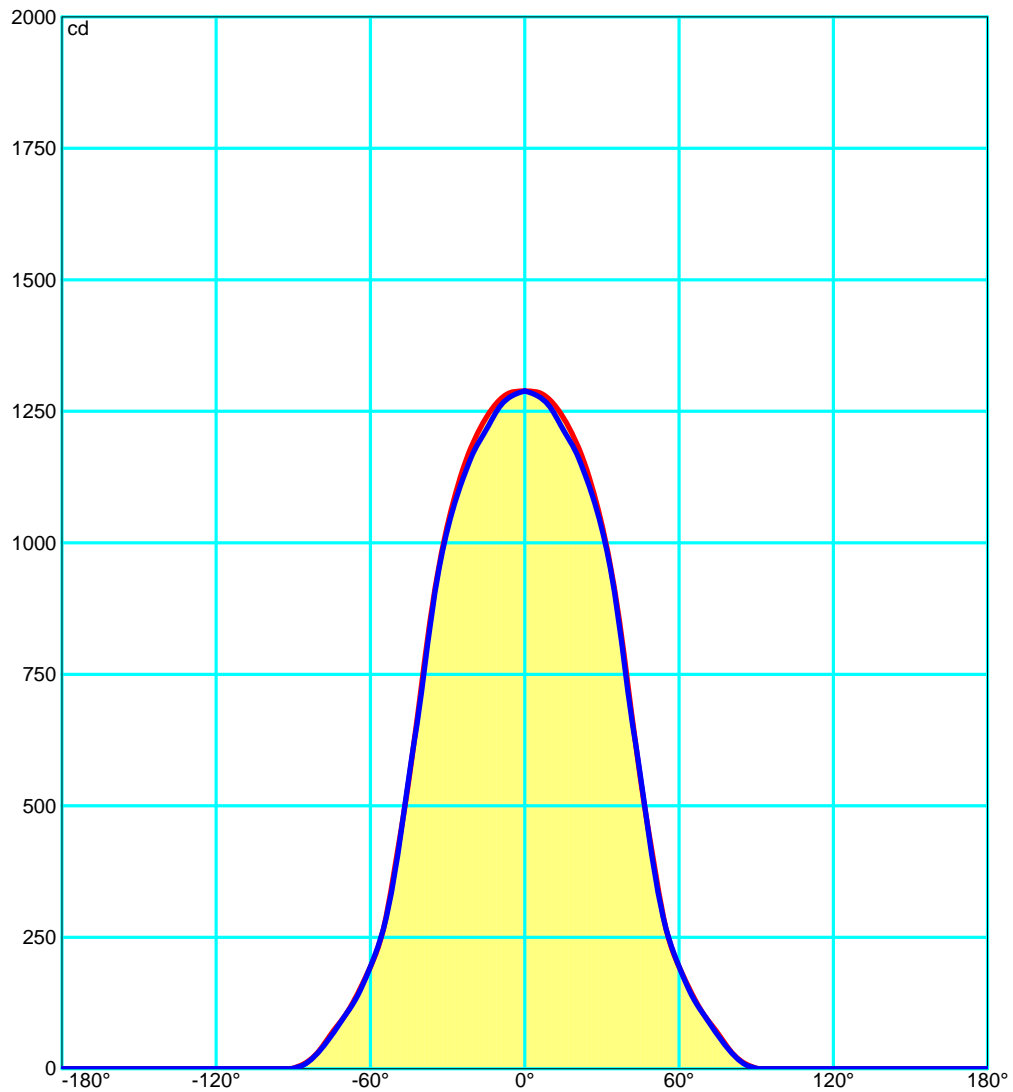


Luminaire		Measur.		Lamp	
Code	90-2022	Code	90-2023	Code	L2022 25.9W 80 3000K
Name	EQUAL S 25.9W 830 D.171mm	Name	EQUAL S 25.9W 830 D.171mm	Number	1
Line	Eulumdat	Date	28-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	2450.67 lm

Diam=171mm



C Halfplanes



Luminaire		Measur.		Lamp	
Code	90-2022	Code	90-2023	Code	L2022 25.9W 80 3000K
Name	EQUAL S 25.9W 830 D.171mm	Name	EQUAL S 25.9W 830 D.171mm	Number	1
Line	Eulumdat	Date	28-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	2450.67 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	23.7	24.7	24.0	25.0	25.1	23.6	24.7	23.9	24.9	25.1
x=2H y=3H	24.4	25.3	24.7	25.6	25.7	24.3	25.2	24.6	25.5	25.7
x=2H y=4H	24.7	25.6	25.0	25.8	26.0	24.5	25.4	24.9	25.7	26.0
x=2H y=6H	24.8	25.7	25.2	25.9	26.1	24.7	25.5	25.1	25.8	26.1
x=2H y=8H	24.9	25.6	25.2	26.0	26.1	24.7	25.5	25.1	25.8	26.1
x=2H y=12H	24.9	25.6	25.2	25.9	26.1	24.7	25.5	25.1	25.8	26.1
x=4H y=2H	24.0	24.9	24.3	25.2	25.4	23.9	24.8	24.3	25.1	25.4
x=4H y=3H	24.9	25.7	25.3	26.0	26.2	24.8	25.5	25.2	25.9	26.2
x=4H y=4H	25.3	26.0	25.7	26.3	26.5	25.2	25.8	25.6	26.2	26.5
x=4H y=6H	25.6	26.1	26.0	26.5	26.8	25.4	26.0	25.8	26.4	26.8
x=4H y=8H	25.6	26.1	26.1	26.5	26.8	25.5	26.0	25.9	26.4	26.8
x=4H y=12H	25.6	26.1	26.1	26.5	26.8	25.5	25.9	25.9	26.4	26.8
x=8H y=4H	25.5	26.0	25.9	26.4	26.7	25.3	25.9	25.8	26.2	26.7
x=8H y=6H	25.8	26.2	26.3	26.6	27.0	25.7	26.1	26.1	26.5	27.0
x=8H y=8H	25.9	26.3	26.4	26.7	27.0	25.7	26.1	26.2	26.6	27.0
x=8H y=12H	25.9	26.3	26.4	26.7	27.0	25.8	26.1	26.3	26.5	27.0
x=12H y=4H	25.4	25.9	25.9	26.3	26.6	25.3	25.8	25.8	26.2	26.6
x=12H y=6H	25.8	26.2	26.3	26.6	26.9	25.7	26.0	26.1	26.5	26.9
x=12H y=8H	25.9	26.2	26.4	26.7	27.0	25.8	26.1	26.3	26.5	27.0

Luminaire	Measur.	Lamp
Code 90-2022	Code 90-2023	Code L2022 25.9W 80 3000K
Name EQUAL S 25.9W 830 D.171mm	Name EQUAL S 25.9W 830 D.171mm	Number 1
Line Eulumdat	Date 28-10-2014	Position

Efficiency 100.00%	Coordinate system CG	Total Flux 2450.67 lm
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Total Flux=2450.67 Luminaire Flux=2450.67

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	0.45	0.53	0.60	0.66	0.71	0.78	0.83	0.86	0.90	0.92	0.96	0.98
RC	3	2	2	2	2	2	2	2	2	2	2	2

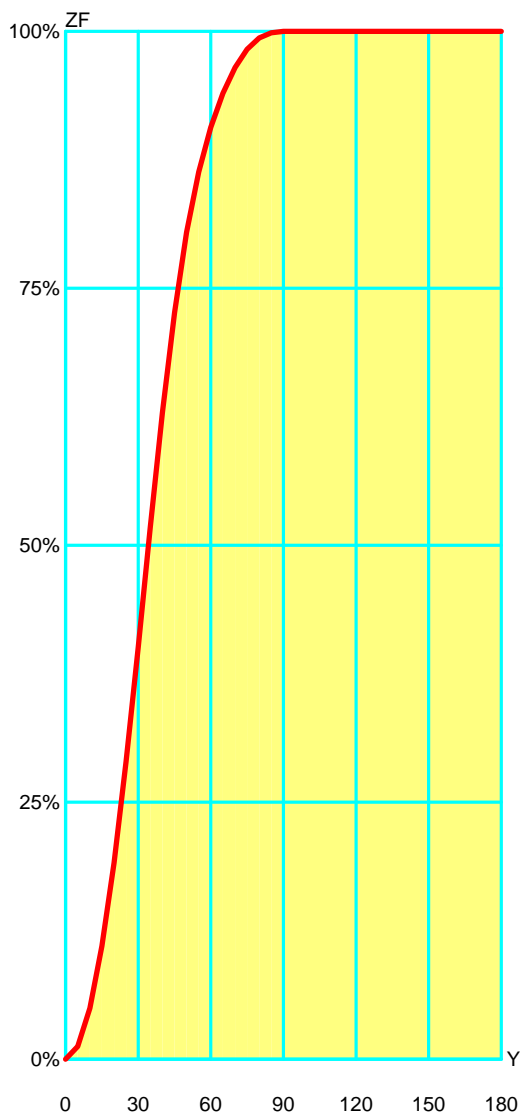
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	50	191	401	629	805	906	965	994	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

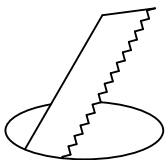
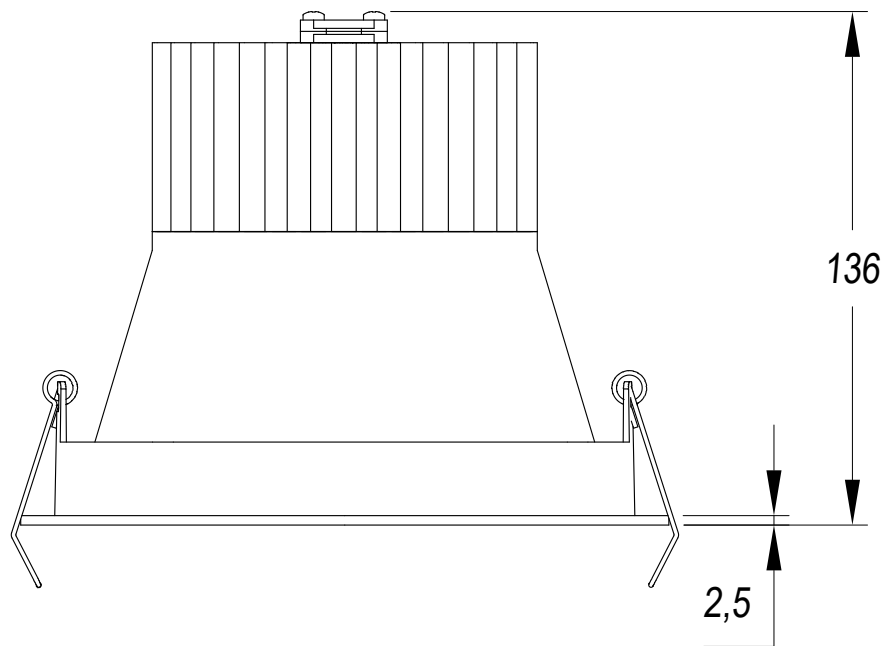
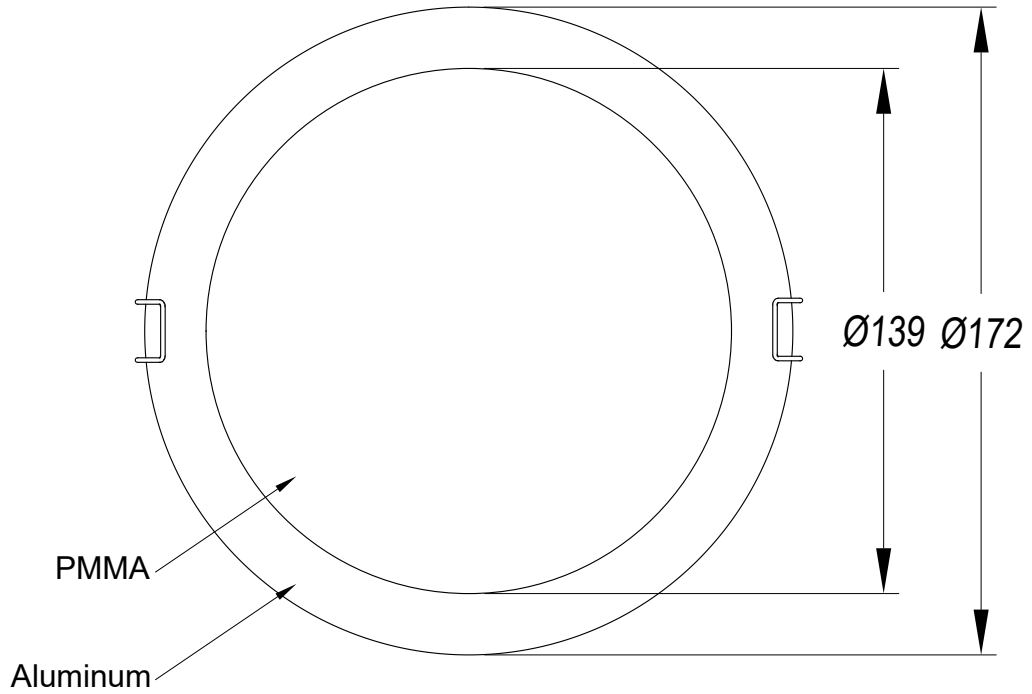
CIE Flux Codes

66 91 98 100 100

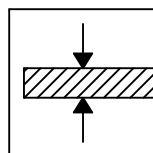
C.I.E.	3/2/2/2/2/2/2/2/2/2	LOR	99.99992 %
D DIN 5040	A50	ULOR	0.00000 %
F UTE	1.00 C	DLOR	99.99992 %
B NBN	BZ 2 / 2.5 / BZ 3	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	12.55	12.55	1.25 %	1.25 %
10°	37.19	49.73	3.72 %	4.97 %
15°	60.32	110.06	6.03 %	11.01 %
20°	81.07	191.13	8.11 %	19.11 %
25°	98.56	289.69	9.86 %	28.97 %
30°	111.08	400.77	11.11 %	40.08 %
35°	116.53	517.30	11.65 %	51.73 %
40°	111.80	629.11	11.18 %	62.91 %
45°	97.24	726.35	9.72 %	72.64 %
50°	78.17	804.53	7.82 %	80.45 %
55°	58.64	863.17	5.86 %	86.32 %
60°	43.30	906.47	4.33 %	90.65 %
65°	33.25	939.71	3.32 %	93.97 %
70°	25.00	964.72	2.50 %	96.47 %
75°	17.82	982.53	1.78 %	98.25 %
80°	11.01	993.54	1.10 %	99.35 %
85°	5.04	998.58	0.50 %	99.86 %
90°	1.42	1000.00	0.14 %	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 %



$\text{Ø}160\text{mm}$



0-25mm

Scale 1:2

23/10/14

