

35-5412-14-0S

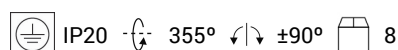
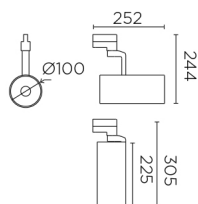
V0

BOND TUBE MEDIUM Spotlight**Description**

Spotlight BOND TUBE MEDIUM 25.9W 3000K CRI 80 White 1931lm



	Finish	Material
Structure	White	Aluminium
Diffuser	Transparent	Glass

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

Light source: LED CREE
 Light source power (W): 25.9W
 Luminaire total power (W): 26.7W
 Color temperature: LED warm-white
 3000K
 CRI: 80
 Photobiological risk: RG1
 Real Lumen: 1931
 Qty Leds: 1
 Lm/Real W: 72
 Life Time: 50.000h L80B20
 Bin / Grup: 30H
 MacAdam steps: 2
 UGR: 17.8

GEAR

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

Luminaire

Warranty: 2 Years

Logistics

EAN Code: 8435381447151
 Net Weight (Kg): 1.67
 Weight in Kg (packaged): 1.85
 Packing: 105 x 105 x 350
 Masterbox: 8

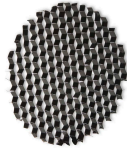
The photograph may not match the reference exactly. Please read the product description to identify the finish.

OPTIONAL ACCESSORIES



71-5633-14-00

Structure material: Aluminium
Dimensions: 96 x 0 x 25
Net Weight (Kg): 0.06



71-5657-60-00

Structure material: Aluminium
Dimensions: 88 x 0 x 2
Net Weight (Kg): 0.01



71-5953-14-00

White trimless recessed installation kit

Structure material:
Dimensions: NA x NA x NA
Net Weight (Kg): 0.19



71-5953-60-00

Black trimless recessed installation kit

Structure material:
Dimensions: NA x NA x NA
Net Weight (Kg): 0.19

Luminaire

Code 35-5412
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

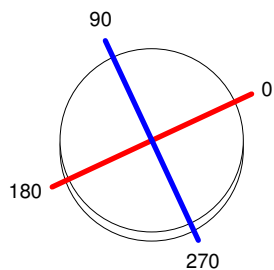
Measurment.

Code 35-5412
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam.	100 mm	Height	225 mm		
		Diam.	100 mm	Height	0 mm		
Horizontal Luminous Area	0.007854 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°	0.001900 m2		
Coordinate system	CG			Symmetry Type	Double Symmetrical		
Date	09-02-2016			Maximum Gamma Angle	90		
Measurement Distance	0.00			Measurement Flux	2907.80 lm		
Operator	Asselum T2			Source voltage			
Temperature	25.00 °C			Source current			
Humidity	60.00 %			Photocell			
Notes							

Line	Luminaire Lamps					
	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
	L3936 25.9W 80 3000K	L3936 25.9W 80 3000K	1931.07	25.90	1	
C.I.E.	97	100 100 100 100				D DIN 5040
F UTE	--					B NBN
			A60			BZ 1

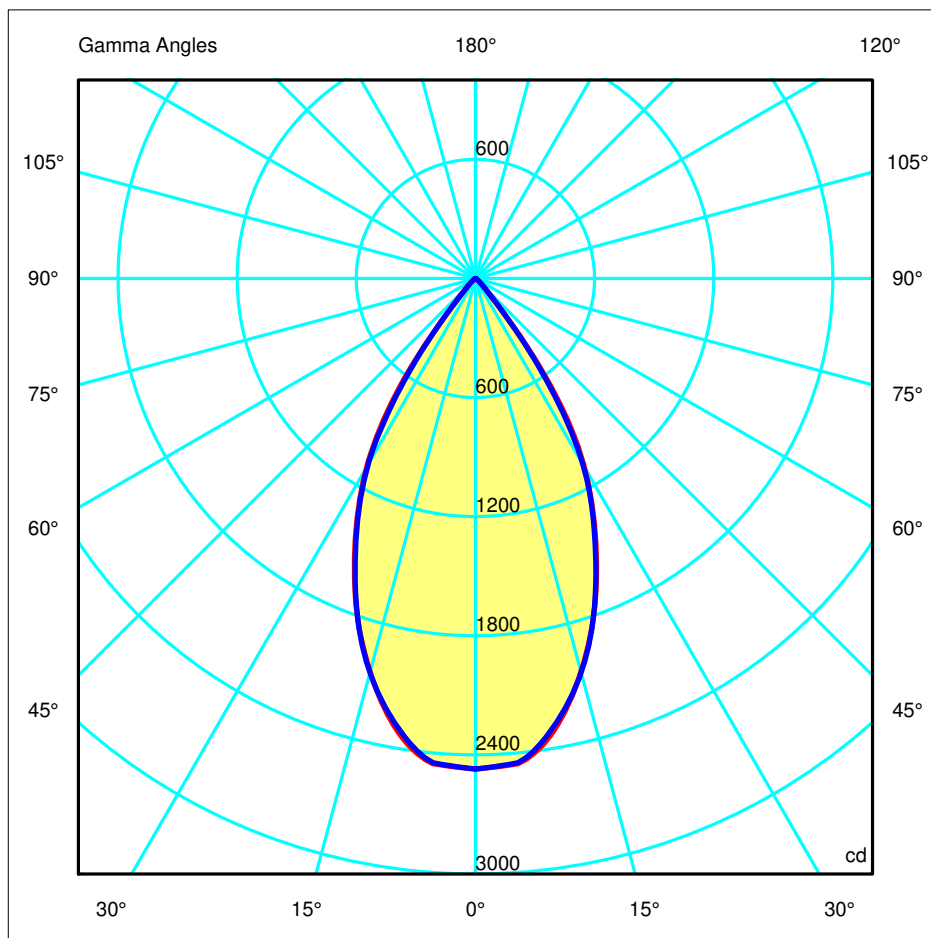
Diam=100mm



C Halfplanes

180.0 — 0.0
 270.0 — 90.0

ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



Luminaire

Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measur.

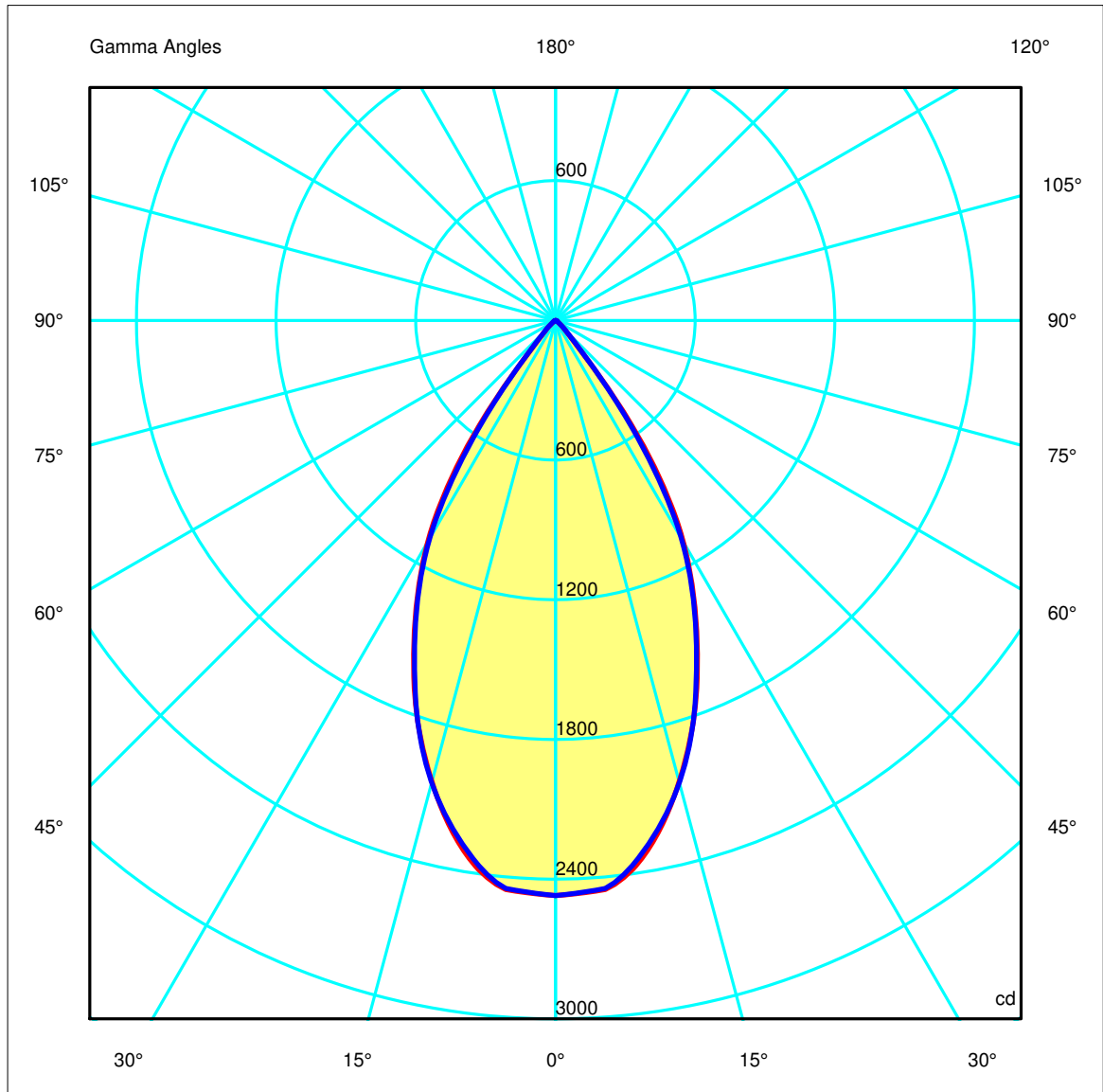
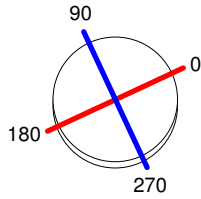
Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=100mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



Luminaire

 Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurement

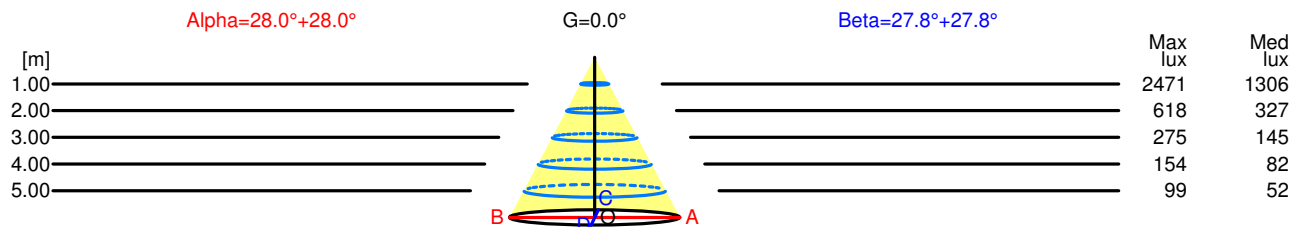
 Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 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	0.53	1.06	1.59	2.13	2.66	OC	0.53	1.06	1.58	2.11	2.64
OB	0.53	1.06	1.59	2.13	2.66	OD	0.53	1.06	1.58	2.11	2.64

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	2470.53	2453.70	2051.17	1428.25	660.08	56.82	13.87	4.97	1.14	0.24
OB	2470.53	2453.70	2051.17	1428.25	660.08	56.82	13.87	4.97	1.14	0.24
OC	2470.53	2448.96	2055.39	1417.80	616.56	60.71	14.47	5.02	1.14	0.23
OD	2470.53	2448.96	2055.39	1417.80	616.56	60.71	14.47	5.02	1.14	0.23



H[m]	D[m]	Max lux	Med lux	Alpha=28.0°+28.0°	G=0.0
1.00	1.06	2471	1306		
2.00	2.13	618	327		
3.00	3.19	275	145		
4.00	4.25	154	82		
5.00	5.31	99	52		

H[m]	D[m]	Max lux	Med lux	Beta=27.8°+27.8°	G=0.0
1.00	1.06	2471	1306		
2.00	2.11	618	327		
3.00	3.17	275	145		
4.00	4.23	154	82		
5.00	5.28	99	52		

Luminaire

Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

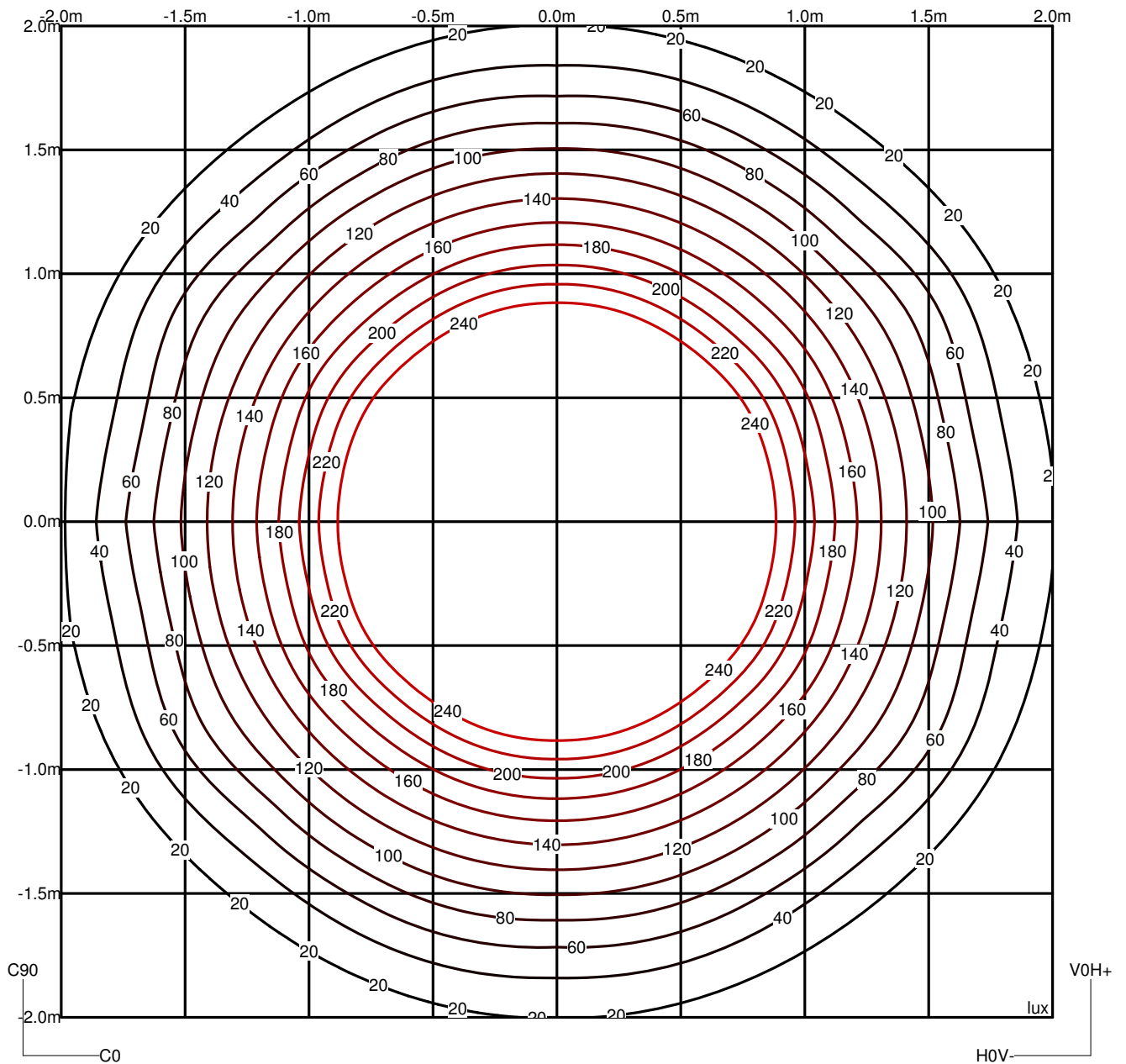
Measurerm.

Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 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 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

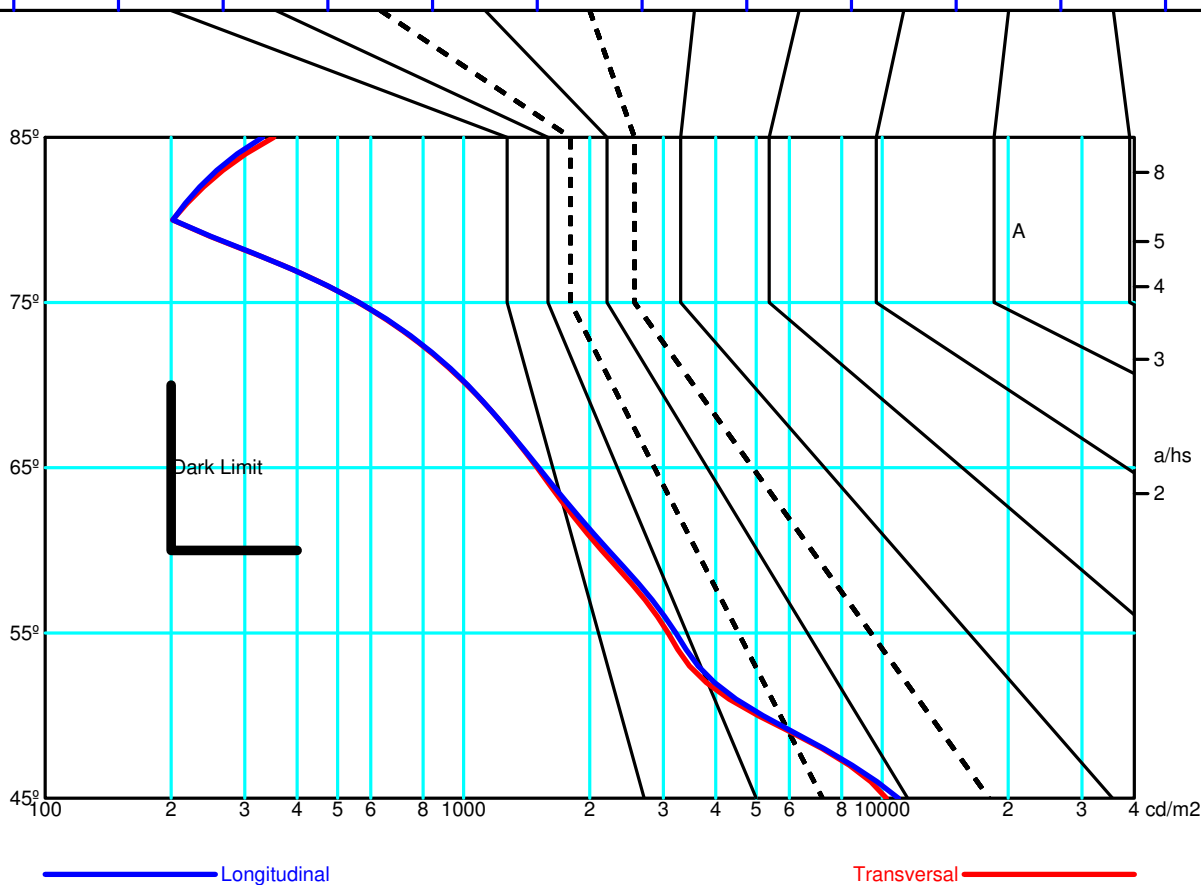
Measur.

Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 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°	10232	5051	3079	2138	1498	1018	561	202	352	---	
90.0°	10931	5187	3213	2220	1511	1023	563	202	331	---	

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

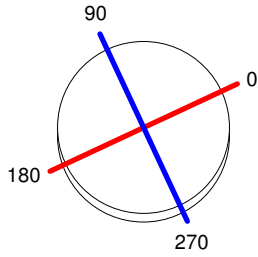
Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurem.

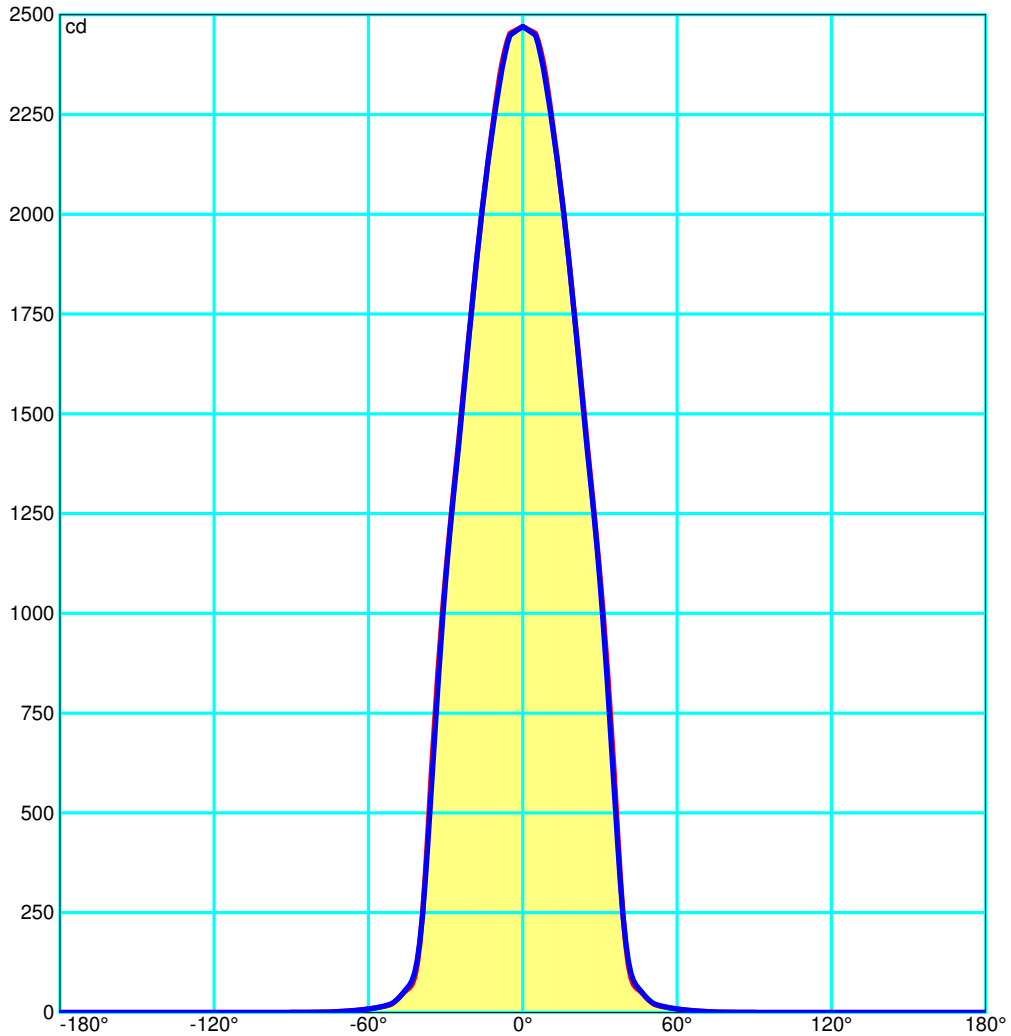
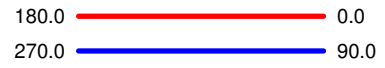
Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=100mm



C Halfplanes



Luminaire

 Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurement

 Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 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	18.8	19.4	19.0	19.6	19.5	18.5	19.2	18.7	19.4	19.5
x=2H y=3H	18.6	19.2	18.9	19.5	19.4	18.4	19.0	18.7	19.2	19.4
x=2H y=4H	18.6	19.1	18.9	19.4	19.4	18.3	18.9	18.6	19.1	19.4
x=2H y=6H	18.5	19.0	18.8	19.3	19.3	18.2	18.8	18.6	19.0	19.3
x=2H y=8H	18.5	19.0	18.8	19.2	19.3	18.2	18.7	18.5	19.0	19.3
x=2H y=12H	18.4	18.9	18.8	19.2	19.2	18.2	18.6	18.5	18.9	19.2
x=4H y=2H	18.6	19.1	18.9	19.4	19.4	18.3	18.9	18.6	19.1	19.4
x=4H y=3H	18.4	18.9	18.8	19.2	19.3	18.2	18.6	18.5	18.9	19.3
x=4H y=4H	18.4	18.8	18.7	19.1	19.2	18.1	18.5	18.5	18.8	19.2
x=4H y=6H	18.3	18.6	18.7	19.0	19.1	18.0	18.4	18.4	18.7	19.1
x=4H y=8H	18.2	18.5	18.7	18.9	19.1	18.0	18.3	18.4	18.7	19.1
x=4H y=12H	18.2	18.5	18.6	18.9	19.0	18.0	18.2	18.4	18.6	19.0
x=8H y=4H	18.2	18.5	18.7	18.9	19.1	18.0	18.3	18.4	18.7	19.1
x=8H y=6H	18.2	18.4	18.6	18.8	19.0	17.9	18.1	18.3	18.5	19.0
x=8H y=8H	18.1	18.3	18.6	18.7	19.0	17.8	18.0	18.3	18.5	19.0
x=8H y=12H	18.1	18.2	18.5	18.7	18.9	17.8	18.0	18.3	18.4	18.9
x=12H y=4H	18.2	18.5	18.6	18.9	19.0	18.0	18.2	18.4	18.6	19.0
x=12H y=6H	18.1	18.3	18.6	18.7	18.9	17.8	18.0	18.3	18.5	18.9
x=12H y=8H	18.1	18.2	18.5	18.7	18.9	17.8	18.0	18.3	18.4	18.9

Luminaire

 Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurerm.

 Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Total Flux=1931.07 Luminaire Flux=1931.06

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	0.72	0.76	0.81	0.85	0.87	0.92	0.95	0.97	0.99	1.00	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

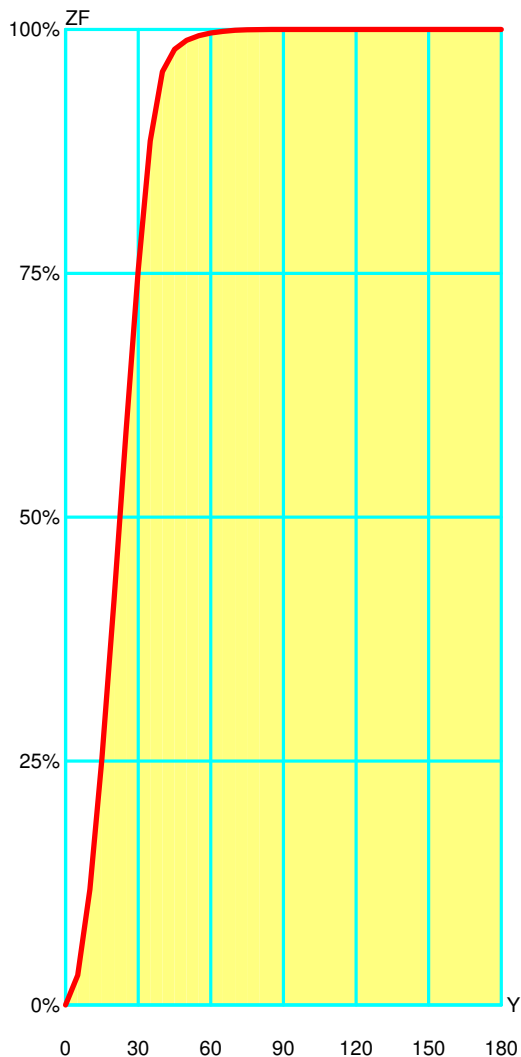
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	119	415	753	957	989	996	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

97 100 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	99.99969 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	--	DLOR	99.99969 %
B NBN	BZ 1	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°	30.48	30.48	3.05 %	3.05 %
10°	88.05	118.52	8.80 %	11.85 %
15°	133.90	252.43	13.39 %	25.24 %
20°	162.98	415.41	16.30 %	41.54 %
25°	172.98	588.39	17.30 %	58.84 %
30°	165.02	753.40	16.50 %	75.34 %
35°	132.30	885.71	13.23 %	88.57 %
40°	70.90	956.61	7.09 %	95.66 %
45°	23.01	979.62	2.30 %	97.96 %
50°	9.25	988.87	0.92 %	98.89 %
55°	4.70	993.57	0.47 %	99.36 %
60°	2.77	996.34	0.28 %	99.63 %
65°	1.72	998.07	0.17 %	99.81 %
70°	1.02	999.09	0.10 %	99.91 %
75°	0.55	999.64	0.06 %	99.96 %
80°	0.22	999.86	0.02 %	99.99 %
85°	0.07	999.94	0.01 %	99.99 %
90°	0.06	1000.00	0.01 %	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 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurum.

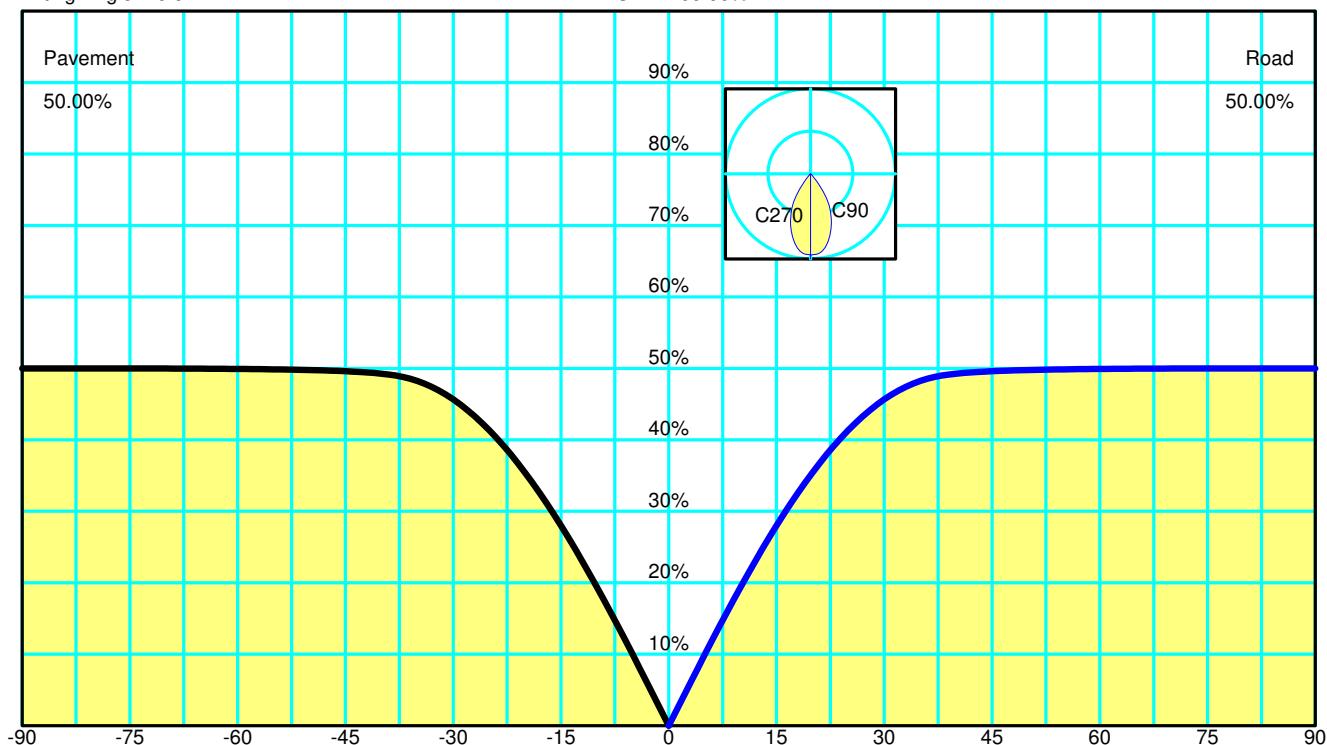
 Code 35-5412
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	9.92%	Piano	5	9.92%
Piano	-10	19.38%	Piano	10	19.38%
Piano	-15	28.00%	Piano	15	28.00%
Piano	-20	35.42%	Piano	20	35.42%
Piano	-25	41.36%	Piano	25	41.36%
Piano	-30	45.67%	Piano	30	45.67%
Piano	-35	48.24%	Piano	35	48.24%
Piano	-40	49.26%	Piano	40	49.26%
Piano	-45	49.60%	Piano	45	49.60%
Piano	-50	49.77%	Piano	50	49.77%
Piano	-55	49.86%	Piano	55	49.86%
Piano	-60	49.92%	Piano	60	49.92%
Piano	-65	49.96%	Piano	65	49.96%
Piano	-70	49.98%	Piano	70	49.98%
Piano	-75	49.99%	Piano	75	49.99%
Piano	-80	50.00%	Piano	80	50.00%
Piano	-85	50.00%	Piano	85	50.00%
Piano	-90	50.00%	Piano	90	50.00%

Tilting Angle = 0.0

DLOR = 100.00%



Spread	11.5° Narrow	DLOR	99.99969 %
Throw	5.9° Short	ULOR	0.00000 %
SLI (glare)	13.2 Tight	Efficiency	99.99969 %
CIE Cutoff	Cutoff - Max: C=0.0° Gamma=0.0°	RN	0.00000 %
lesna Cutoff	Cutoff	Luminous Intensity Class	G5
DIN5044	KB1	Glare Index	D6

IESNA Type V Very Short Quadrilateral Symmetry

Luminaire

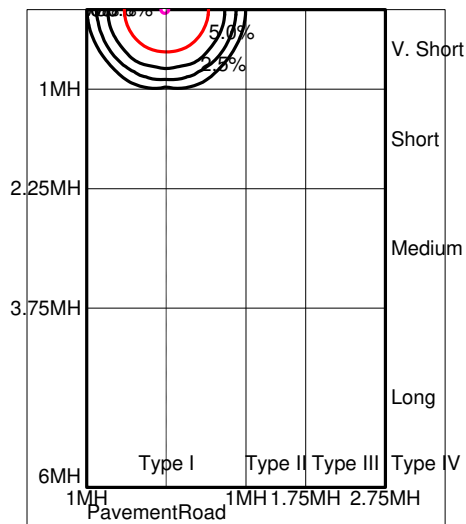
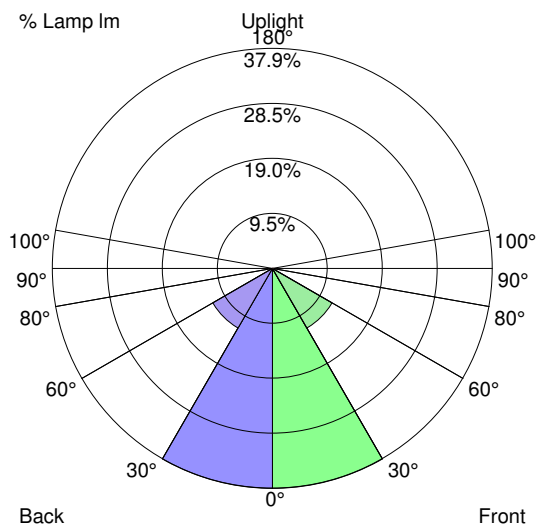
 Code 35-5412
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Measurement

 Code 35-5412
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1931.06 lm	Luminaire Power	25.90 W	Efficacy	74.56 lm/W	Efficiency	100.00%
Lamps Flux	1931.07 lm	Maximum value	2470.53 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	492.2 lm	37.9 %	37.9 %
FM	30° -- 60°	154.0 lm	11.9 %	11.9 %
FH	60° -- 80°	2.2 lm	0.2 %	0.2 %
FVH	80° -- 90°	0.1 lm	0.0 %	0.0 %
BL	0° -- 30°	492.2 lm	37.9 %	37.9 %
BM	30° -- 60°	154.0 lm	11.9 %	11.9 %
BH	60° -- 80°	2.2 lm	0.2 %	0.2 %
BVH	80° -- 90°	0.1 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		1297.0 lm	100.0 %	100.0 %
BUG B1 U0 G0		Type V Very Short	Quadrilateral Symmetry	

