

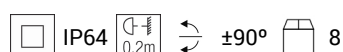
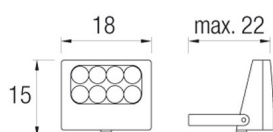
SHULL Spotlight



Description

Spotlight IP64 SHULL LED 17W 4000K Grey 815lm

	Finish	Material
Structure	Grey	Aluminium Polycarbonate
Diffuser	Transparent	Polycarbonate



TECHNICAL CHARACTERISTICS

Light source

Light source: LED
 Light source power (W): 17W
 Luminaire total power (W): 22.4W
 Color temperature: LED neutral-white
 4000K
 CRI: 75
 Real Lumen: 815
 Qty Leds: 8
 Lm/Real W: 36
 Bin / Grup: 5A3-5D2
 UGR: 20.1

GEAR

Gear included: Yes, electronic
 Voltage / Frequency:
 100-240VAC/50-60Hz

Luminaire

Seaside: No
 Warranty: 2 Years

Logistics

Energy Efficiency: LED A++
 EAN Code: 8435111088616
 Net Weight (Kg): 1.11
 Weight in Kg (packaged): 1.3
 Masterbox: 8

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

OPTIONAL ACCESSORIES



71-9487-34-34

Extension accessory in light grey finish with 3 length options

Structure material: Steel
Dimensions: NA x NA x 830
Net Weight (Kg): 0.79



71-9487-34-34

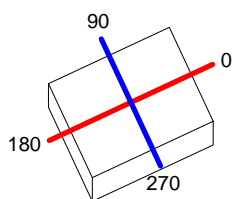
Extension accessory in light grey finish with 3 length options

Structure material: Steel
Dimensions: NA x NA x NA
Net Weight (Kg): 0.79

Luminaire		Measur.		Lamp		
Code	05-9598	Code	05-9598	Code	05-9598	
Name	Projector 8 leds	Name	Projector 8 leds	Number	1	
Line	Eulumdat	Date	16-11-2011	Position		
Efficiency	100.00%	Coordinate system	CG	Total Flux	814.84 lm	
Maximum value	410.35 cd	Position	C=0.00 G=0.00	Double Symmetrical		
Rectangular Luminaire	Length	140 mm	Width	180 mm	Height	80 mm
Rectangular Luminous Area	Length	78 mm	Width	142 mm	Height	2 mm
Horizontal Luminous Area	0.011076 m2	Emitting area on Plane 180°		0.000156 m2		
Emitting area on Plane 0°	0.000156 m2	Emitting area on Plane 270°		0.000284 m2		
Emitting area on Plane 90°	0.000284 m2	Glare area at 76°		0.002831 m2		
Symmetry Type	Double Symmetrical	Maximum Gamma Angle		180		
Measurement Distance	0.00	Measurement Flux		814.84 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	05-9598	05-9598 - 23.00 W	814.84	23.00	1	
C.I.E.	70 97 100 100 100	D DIN 5040		A50		
F UTE	1.00 B	B NBN		BZ 2		

140mm x 180mm



C Halfplanes

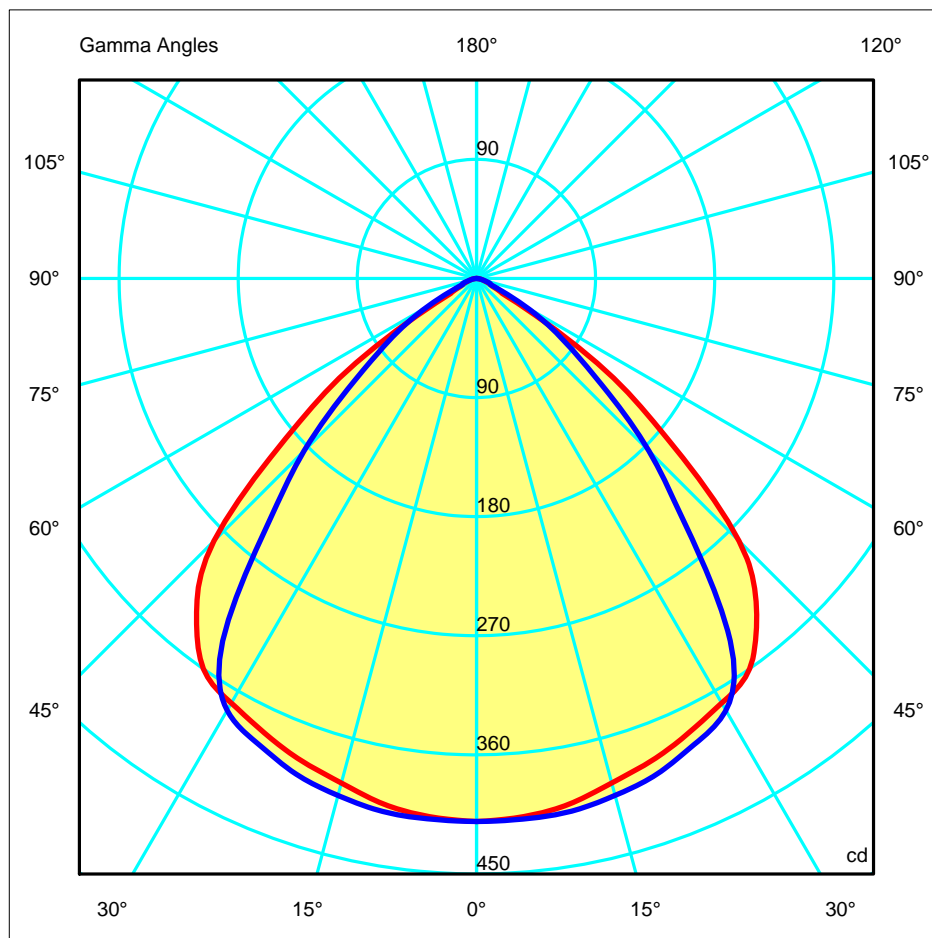
180.0 — 0.0

270.0 — 90.0

ULOR 0.02 %

DLOR 99.98 %

RN 0.02 %

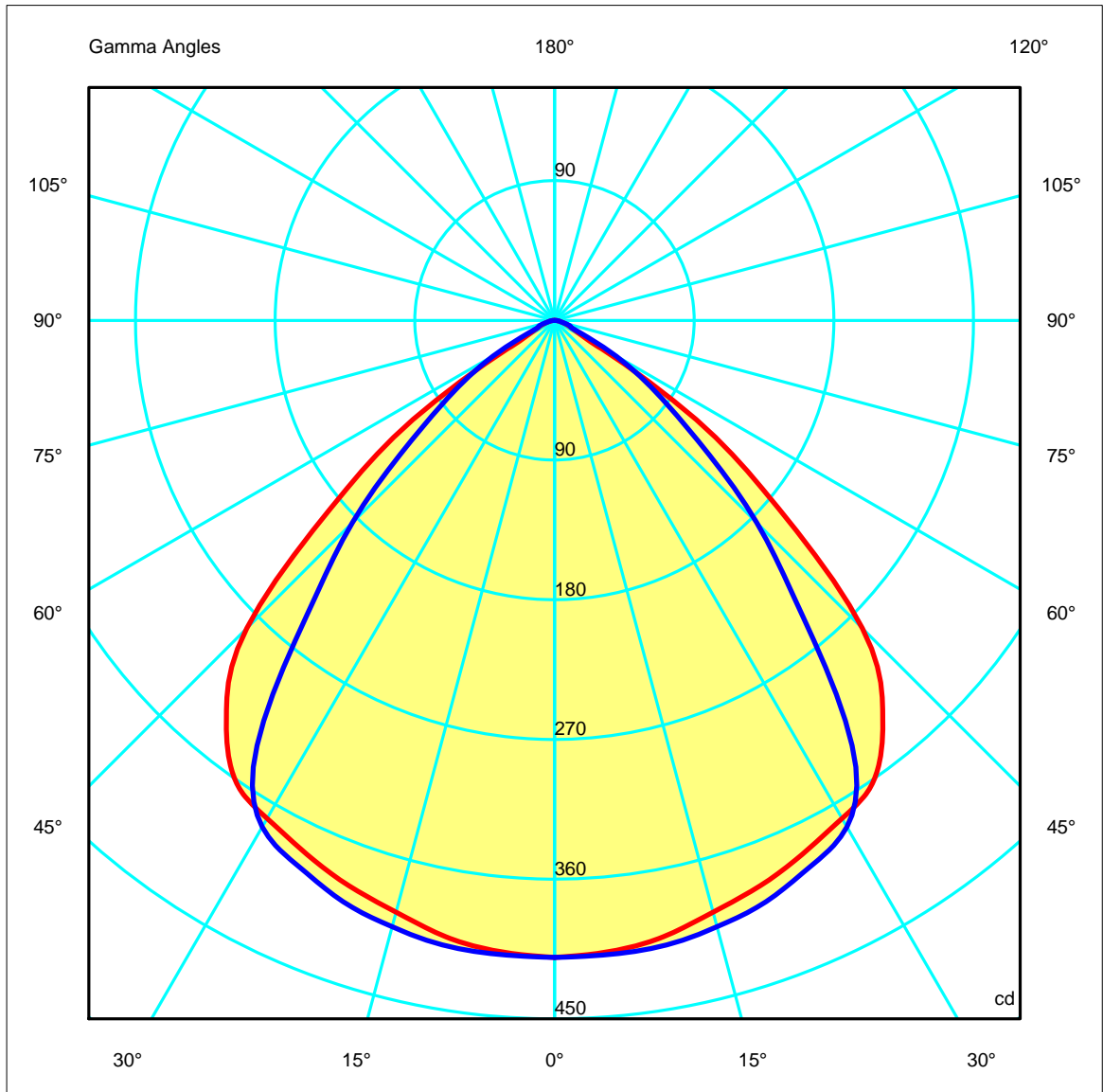
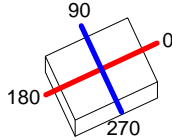


Luminaire		Measur.		Lamp	
Code	05-9598	Code	05-9598	Code	05-9598
Name	Projector 8 leds	Name	Projector 8 leds	Number	1
Line	Eulumdat	Date	16-11-2011	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	814.84 lm

140mm x 180mm

C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0



Luminaire

 Code 05-9598
 Name Projector 8 leds
 Line Eulumdat

Measur.

 Code 05-9598
 Name Projector 8 leds
 Date 16-11-2011

Lamp

 Code 05-9598
 Number 1
 Position

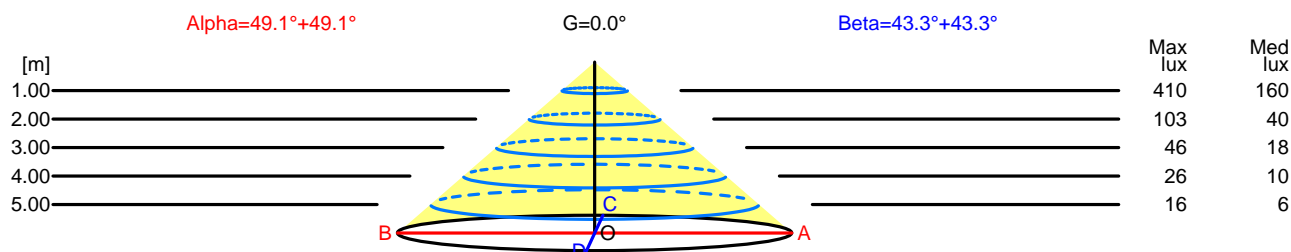
Efficiency	100.00%	Coordinate system	CG	Total Flux	814.84 lm
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Width at 50.00 % of Max Intensity

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	1.15	2.31	3.46	4.61	5.77	OC	0.94	1.88	2.82	3.77	4.71
OB	1.15	2.31	3.46	4.61	5.77	OD	0.94	1.88	2.82	3.77	4.71

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	410.35	408.14	394.65	378.97	359.83	280.54	111.42	12.41	5.66	1.82
OB	410.35	408.14	394.65	378.97	359.83	280.54	111.42	12.41	5.66	1.82
OC	410.35	409.96	404.37	388.70	334.29	184.24	78.14	15.21	5.86	1.53
OD	410.35	409.96	404.37	388.70	334.29	184.24	78.14	15.21	5.86	1.53



H[m]	D[m]	Max lux	Med lux	Alpha=49.1°+49.1°	G=0.0
1.00	2.31	410	160		
2.00	4.61	103	40		
3.00	6.92	46	18		
4.00	9.23	26	10		
5.00	11.53	16	6		

H[m]	D[m]	Max lux	Med lux	Beta=43.3°+43.3°	G=0.0
1.00	1.88	410	160		
2.00	3.77	103	40		
3.00	5.65	46	18		
4.00	7.53	26	10		
5.00	9.41	16	6		

Luminaire
 Code 05-9598
 Name Projector 8 leds
 Line Eulumdat

Measuram.
 Code 05-9598
 Name Projector 8 leds
 Date 16-11-2011

Lamp
 Code 05-9598
 Number 1
 Position

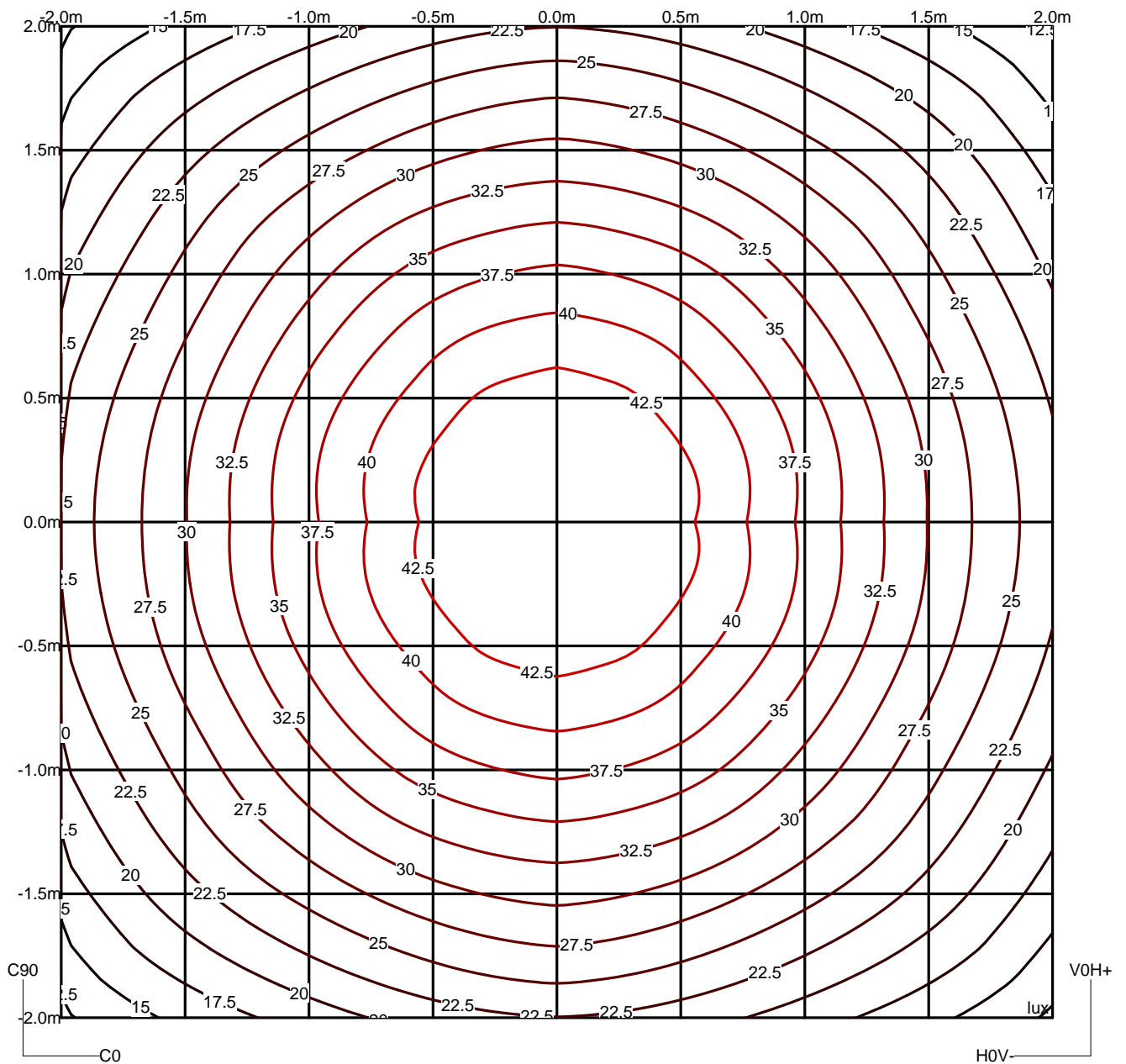
Efficiency 100.00%

Coordinate system CG

Total Flux 814.84 lm

Isolux (Floor)

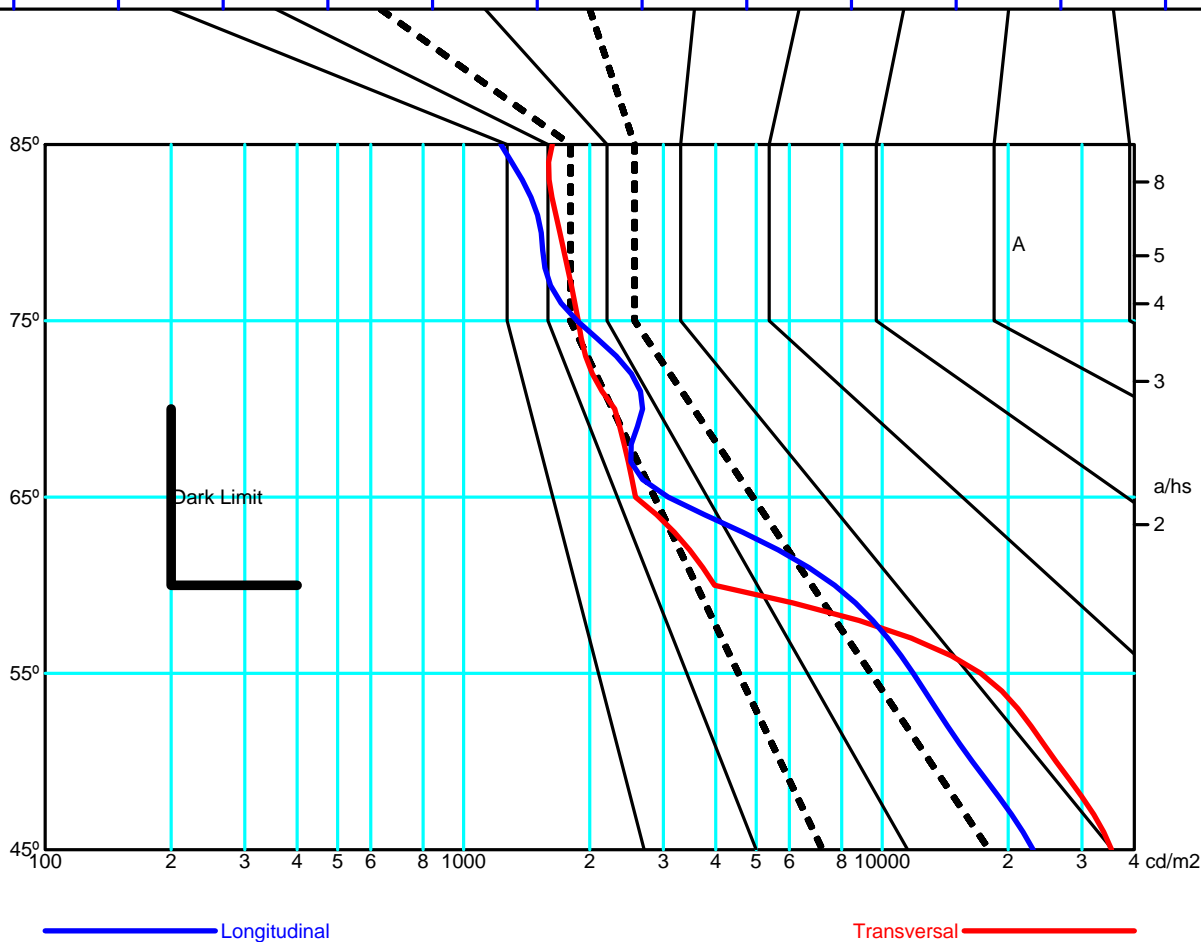
Luminaire position X=0.00m Y=0.00m Z=3.00m



Luminaire		Measur.		Lamp	
Code	05-9598	Code	05-9598	Code	05-9598
Name	Projector 8 leds	Name	Projector 8 leds	Number	1
Line	Eulumdat	Date	16-11-2011	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	814.84 lm

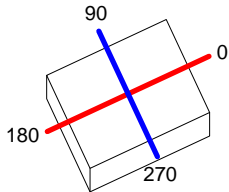
		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		35322	26025	17192	3978	2573	2296	1876	1698	1628	---
90.0°		22936	16415	11866	7696	3080	2675	1866	1532	1227	---

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



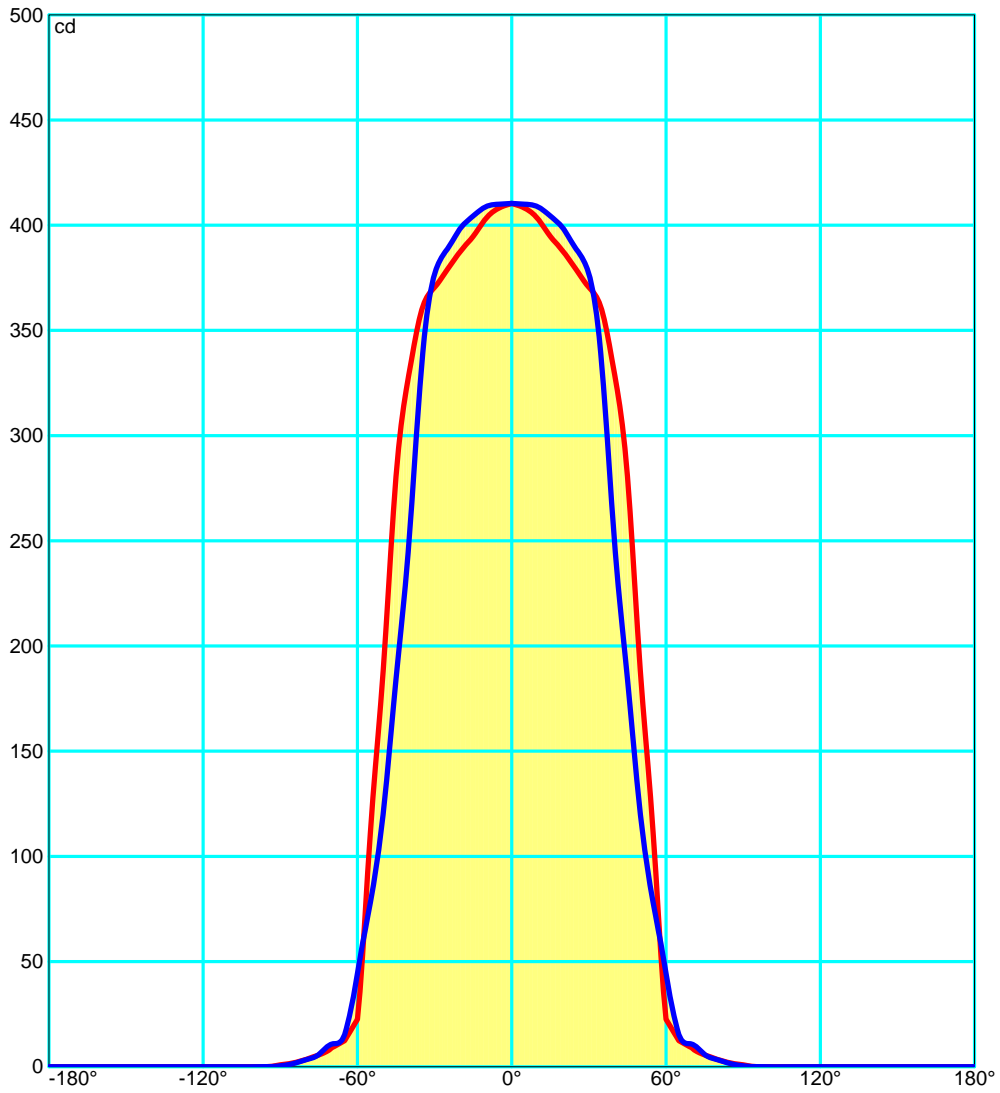
Luminaire		Measur.		Lamp	
Code	05-9598	Code	05-9598	Code	05-9598
Name	Proyector 8 leds	Name	Proyector 8 leds	Number	1
Line	Eulumdat	Date	16-11-2011	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	814.84 lm

140mm x 180mm



C Halfplanes

180.0 ———— 0.0
 270.0 ———— 90.0



Luminaire		Measur.		Lamp	
Code	05-9598	Code	05-9598	Code	05-9598
Name	Proyector 8 leds	Name	Proyector 8 leds	Number	1
Line	Eulumdat	Date	16-11-2011	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	814.84 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	21.5	22.5	21.8	22.7	21.8	20.4	21.4	20.6	21.6	21.8
x=2H y=3H	21.4	22.3	21.7	22.5	21.7	20.3	21.2	20.6	21.4	21.7
x=2H y=4H	21.3	22.1	21.6	22.4	21.6	20.3	21.1	20.6	21.4	21.6
x=2H y=6H	21.3	22.0	21.6	22.3	21.6	20.2	21.0	20.6	21.3	21.6
x=2H y=8H	21.2	22.0	21.6	22.3	21.5	20.2	20.9	20.6	21.2	21.5
x=2H y=12H	21.2	21.9	21.6	22.2	21.5	20.2	20.9	20.5	21.2	21.5
x=4H y=2H	21.3	22.2	21.7	22.4	21.6	20.3	21.1	20.6	21.4	21.6
x=4H y=3H	21.3	21.9	21.6	22.3	21.6	20.3	21.0	20.6	21.3	21.6
x=4H y=4H	21.2	21.8	21.6	22.2	21.6	20.3	20.9	20.6	21.2	21.6
x=4H y=6H	21.2	21.7	21.6	22.1	21.5	20.2	20.7	20.6	21.1	21.5
x=4H y=8H	21.2	21.6	21.6	22.0	21.5	20.2	20.7	20.6	21.1	21.5
x=4H y=12H	21.1	21.5	21.6	22.0	21.4	20.2	20.6	20.6	21.0	21.4
x=8H y=4H	21.1	21.6	21.6	22.0	21.4	20.2	20.6	20.6	21.0	21.4
x=8H y=6H	21.1	21.5	21.5	21.9	21.4	20.2	20.5	20.6	21.0	21.4
x=8H y=8H	21.1	21.4	21.5	21.8	21.4	20.1	20.5	20.6	20.9	21.4
x=8H y=12H	21.0	21.3	21.5	21.8	21.4	20.1	20.4	20.6	20.9	21.4
x=12H y=4H	21.1	21.5	21.5	21.9	21.4	20.1	20.6	20.6	21.0	21.4
x=12H y=6H	21.1	21.4	21.5	21.8	21.4	20.1	20.4	20.6	20.9	21.4
x=12H y=8H	21.0	21.3	21.5	21.8	21.3	20.1	20.4	20.6	20.9	21.3

Luminaire

 Code 05-9598
 Name Proyector 8 leds
 Line Eulumdat

Measur.

 Code 05-9598
 Name Proyector 8 leds
 Date 16-11-2011

Lamp

 Code 05-9598
 Number 1
 Position

Efficiency 100.00%

Coordinate system CG

Total Flux 814.84 lm

Total Flux=814.84 Luminaire Flux=814.84

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	0.47	0.56	0.64	0.70	0.75	0.82	0.86	0.89	0.91	0.93	0.96	0.98
RC	2	2	2	2	1	1	1	1	1	1	2	2

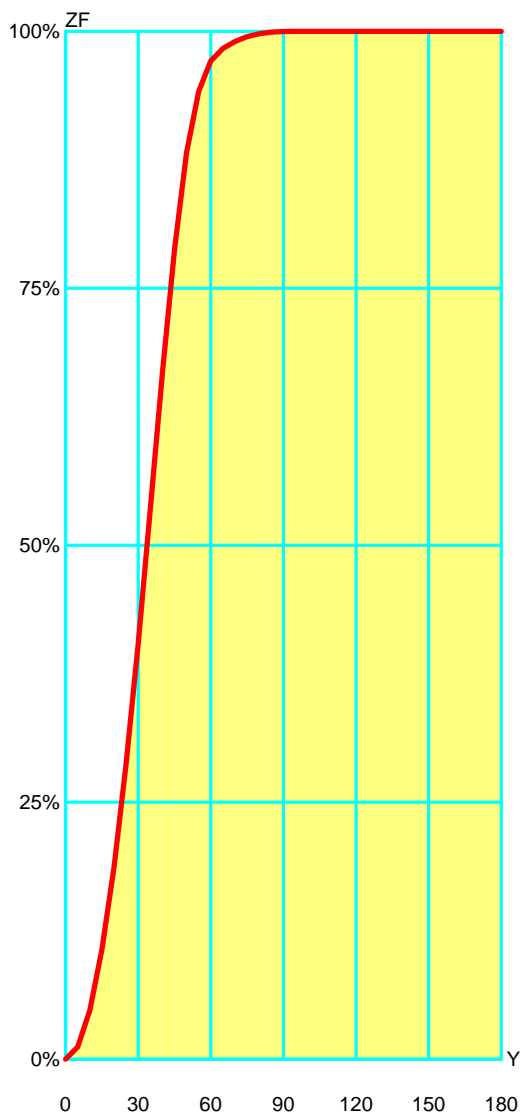
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	48	187	404	668	882	971	990	998	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

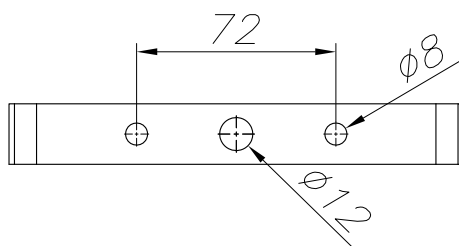
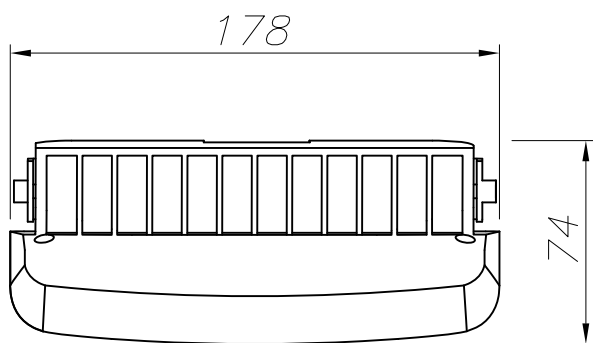
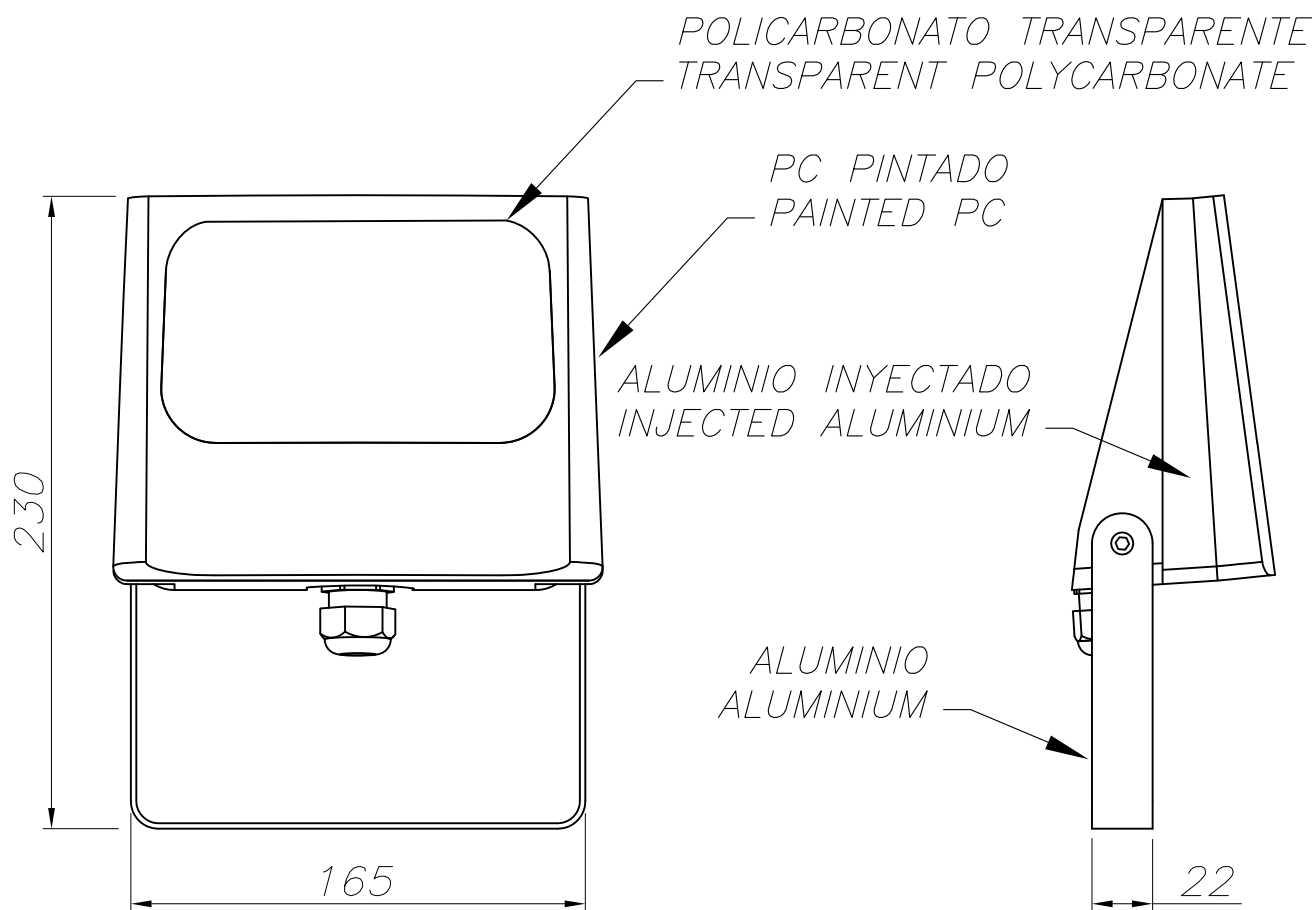
CIE Flux Codes

70 97 100 100 100

C.I.E.	2/2/2/2/1/1/1/1/1/2/2	LOR	100.00000 %
D DIN 5040	A50	ULOR	0.01687 %
F UTE	1.00 B	DLOR	99.98312 %
B NBN	BZ 2	UFF	0.01687 %
RN	0.01687 %	DFF	99.98313 %
BLF	1.0	FFR	0.01688 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	12.02	12.02	1.20%	1.20%
10°	35.81	47.84	3.58%	4.78%
15°	58.78	106.62	5.88%	10.66%
20°	80.39	187.00	8.04%	18.70%
25°	100.12	287.13	10.01%	28.71%
30°	117.35	404.47	11.73%	40.45%
35°	130.26	534.74	13.03%	53.47%
40°	132.91	667.65	13.29%	66.76%
45°	120.62	788.27	12.06%	78.83%
50°	93.82	882.09	9.38%	88.21%
55°	59.55	941.64	5.96%	94.16%
60°	29.44	971.08	2.94%	97.11%
65°	12.27	983.35	1.23%	98.34%
70°	6.81	990.16	0.68%	99.02%
75°	4.57	994.73	0.46%	99.47%
80°	2.81	997.54	0.28%	99.75%
85°	1.58	999.12	0.16%	99.91%
90°	0.71	999.83	0.07%	99.98%
95°	0.17	1000.00	0.02%	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%



PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE

