

35-3937-14-OU

V0

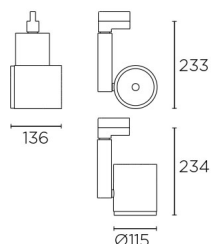


MACH 3 Spotlight

Description

Spotlight MACH 3 38.6W 4000K CRI 80 White 3137lm

	Finish	Material
Structure	White	Aluminium
Diffuser	Transparent	Glass



TECHNICAL CHARACTERISTICS

Light source

Light source: LED CREE
 Light source power (W): 38.6W
 Luminaire total power (W): 40.7W
 Color temperature: LED neutral-white 4000K
 CRI: 80
 Photobiological risk: RG1
 Real Lumen: 3137
 Qty Leds: 1
 Lm/Real W: 77
 Life Time: 50.000h L80B10
 Bin / Grup: 40H
 MacAdam steps: 2
 UGR: 14.9

GEAR

Brand: HEP
 Gear included: Yes, electronic
 Voltage / Frequency:
 100-240VAC/50-60Hz
 Power Factor: 0.90

Luminaire

Warranty: 2 Years

Logistics

EAN Code: 8435381442804
 Net Weight (Kg): 1.5
 Weight in Kg (packaged): 1.82
 Packing: 170 x 140 x 280
 Masterbox: 8

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

OPTIONAL ACCESSORIES



ACT-9105-14-00

White trimless surface installation kit

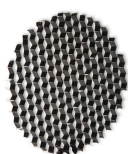
Structure material: ABS
Dimensions: NA x NA x NA
Net Weight (Kg): 0.09



ACT-9106-14-00

Recessed box

Structure material: ABS
Dimensions: NA x NA x NA
Net Weight (Kg): 0.1



71-3896-60-00

Honeycomb panel accessory for Mach3 Big

Structure material: Aluminium
Dimensions: NA x NA x NA
Net Weight (Kg): 0.01



71-3897-60-00

Visual comfort accessory for Mach3 Big

Structure material: PVC
Dimensions: NA x NA x NA
Net Weight (Kg): 0.04



71-5629-14-00

White front ring accessory for Mach3 Big

Structure material: Polycarbonate
Dimensions: 113 x NA x 24
Net Weight (Kg): 0.05



71-5643-60-00

Elliptical diffuser accessory for Mach3 Big

Structure material: Polycarbonate
Dimensions: 98 x NA x 15
Net Weight (Kg): 0.02



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

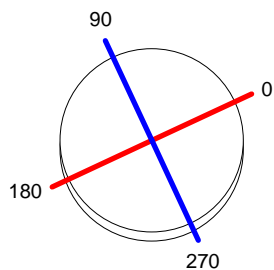
Black trimless recessed installation kit

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

Luminaire		Measur.		Lamp	
Code	35-3937	Code	35-3937	Code	L3937 38.6W 80 4000K
Name	Projector MACH 3 840 15° 38.6W	Name	Projector MACH 3 840 15° 38.6W	Number	1
Line	Eulumdat	Date	16-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	3136.97 lm
Maximum value	19300.47 cd	Position	C=0.00 G=0.00	Double Symmetrical	
Round Luminaire	Diam.	115 mm	Height	135 mm	
Round Luminous Area	Diam.	110 mm	Height	0 mm	
Horizontal Luminous Area	0.009503 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°	0.002299 m2		
Symmetry Type	Double Symmetrical	Maximum Gamma Angle	90		
Measurement Distance	0.00	Measurement Flux	3136.97 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	L3937 38.6W 80 4000K	L3937 38.6W 80 4000K - 39.00 W	3136.97	39.00	1	
C.I.E.	99 100 100 100 100	D DIN 5040				
F UTE	--	B NBN				
		A60				
		BZ 1				

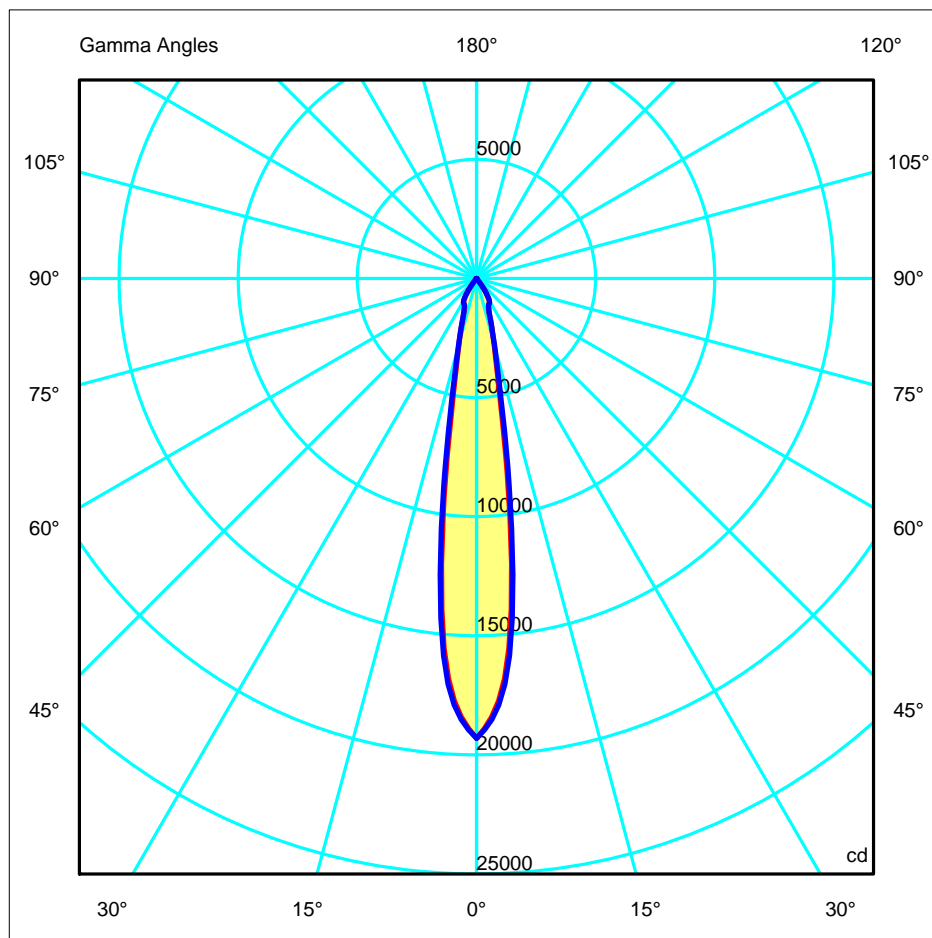
Diam=115mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



Luminaire
 Code 35-3937
 Name Projector MACH 3 840 15° 38.6W
 Line Eulumdat

Measur.
 Code 35-3937
 Name Projector MACH 3 840 15° 38.6W
 Date 16-10-2014

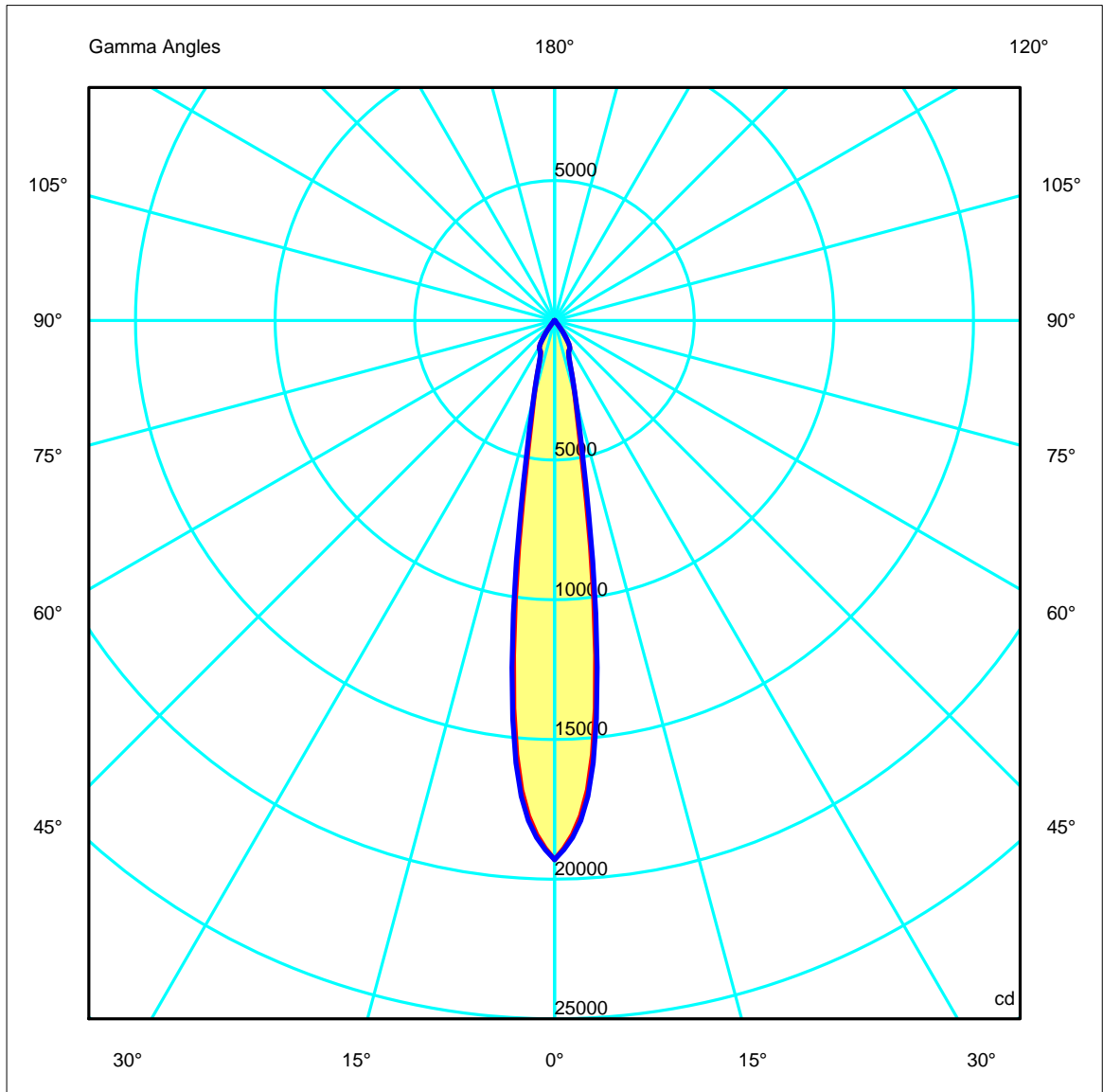
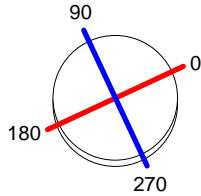
Lamp
 Code L3937 38.6W 80 4000K
 Number 1
 Position

Efficiency	100.00%	Coordinate system	CG	Total Flux	3136.97 lm
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Diam=115mm

C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0

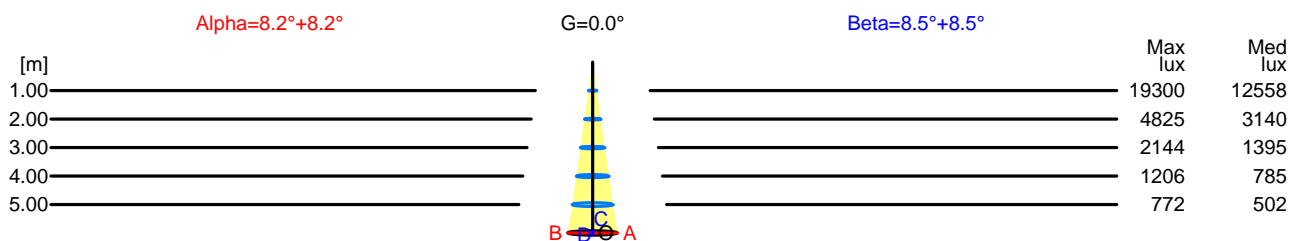


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Line	Eulumdat	Date	16-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	3136.97 lm

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	0.14	0.29	0.43	0.58	0.72	OC	0.15	0.30	0.45	0.60	0.75
OB	0.14	0.29	0.43	0.58	0.72	OD	0.15	0.30	0.45	0.60	0.75

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	19300.47	15592.35	2856.98	1204.33	573.18	22.87	11.57	3.31	1.26	0.32
OB	19300.47	15592.35	2856.98	1204.33	573.18	22.87	11.57	3.31	1.26	0.32
OC	19300.47	15893.08	2927.54	1212.65	548.33	21.79	11.26	4.03	1.18	0.32
OD	19300.47	15893.08	2927.54	1212.65	548.33	21.79	11.26	4.03	1.18	0.32



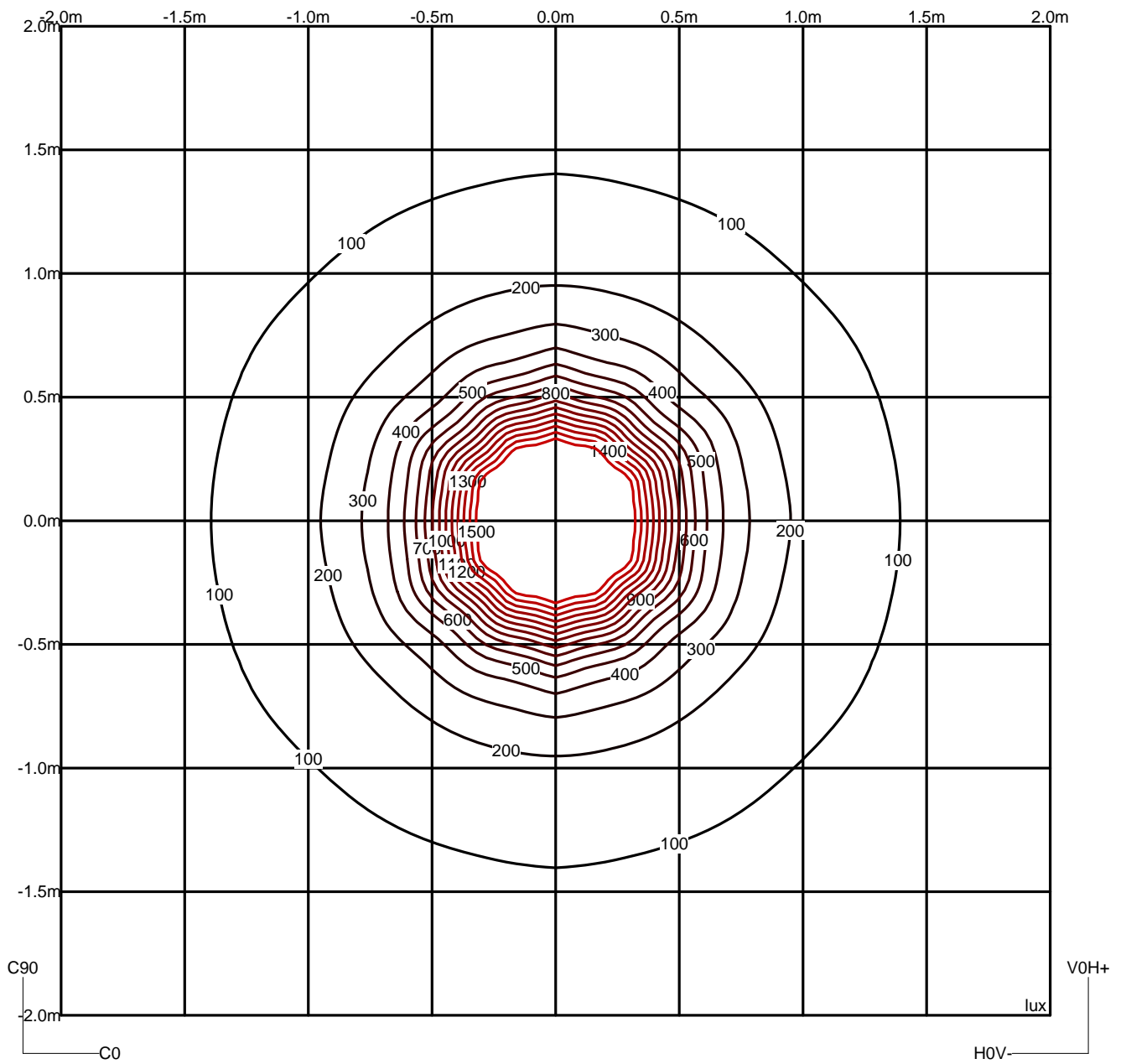
H[m]	D[m]	Max lux	Med lux	Alpha=8.2°+8.2°	G=0.0	
1.00	0.29	19300	12558			
2.00	0.58	4825	3140			
3.00	0.87	2144	1395			
4.00	1.16	1206	785			
5.00	1.45	772	502			

H[m]	D[m]	Max lux	Med lux	Beta=8.5°+8.5°	G=0.0	
1.00	0.30	19300	12558			
2.00	0.60	4825	3140			
3.00	0.90	2144	1395			
4.00	1.20	1206	785			
5.00	1.50	772	502			

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Isolux (Floor)

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



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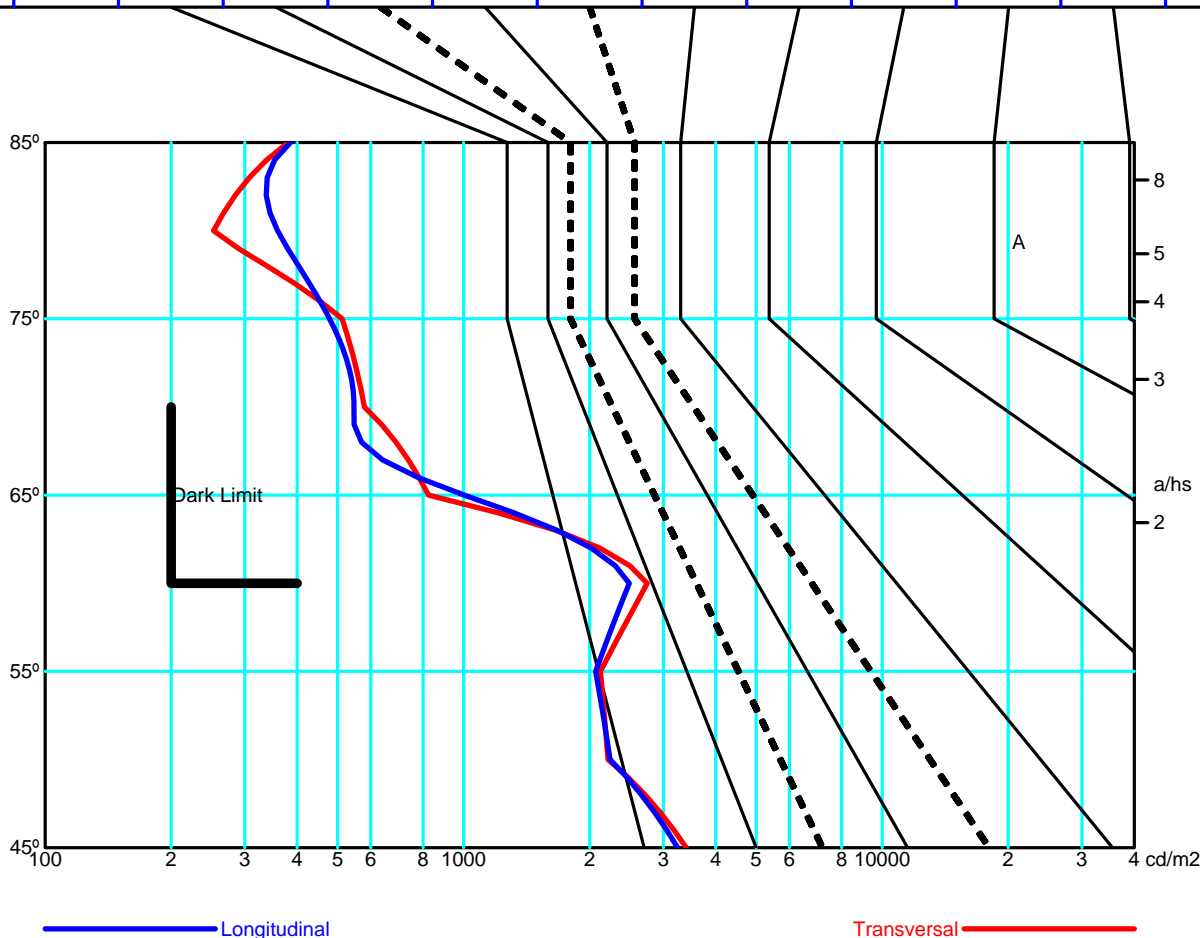
Lamp

Code L3937 38.6W 80 4000K
 Number 1
 Position

Efficiency 100.00% Coordinate system CG Total Flux 3136.97 lm

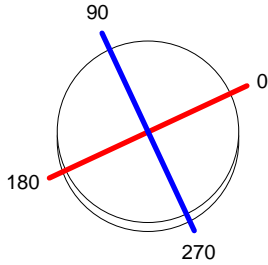
		Average Luminance [cd/m ²]										
		0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		3403	2213	2122	2746	824	579	512	253	381	---	
90.0°		3243	2237	2066	2488	1003	547	478	359	385	---	

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

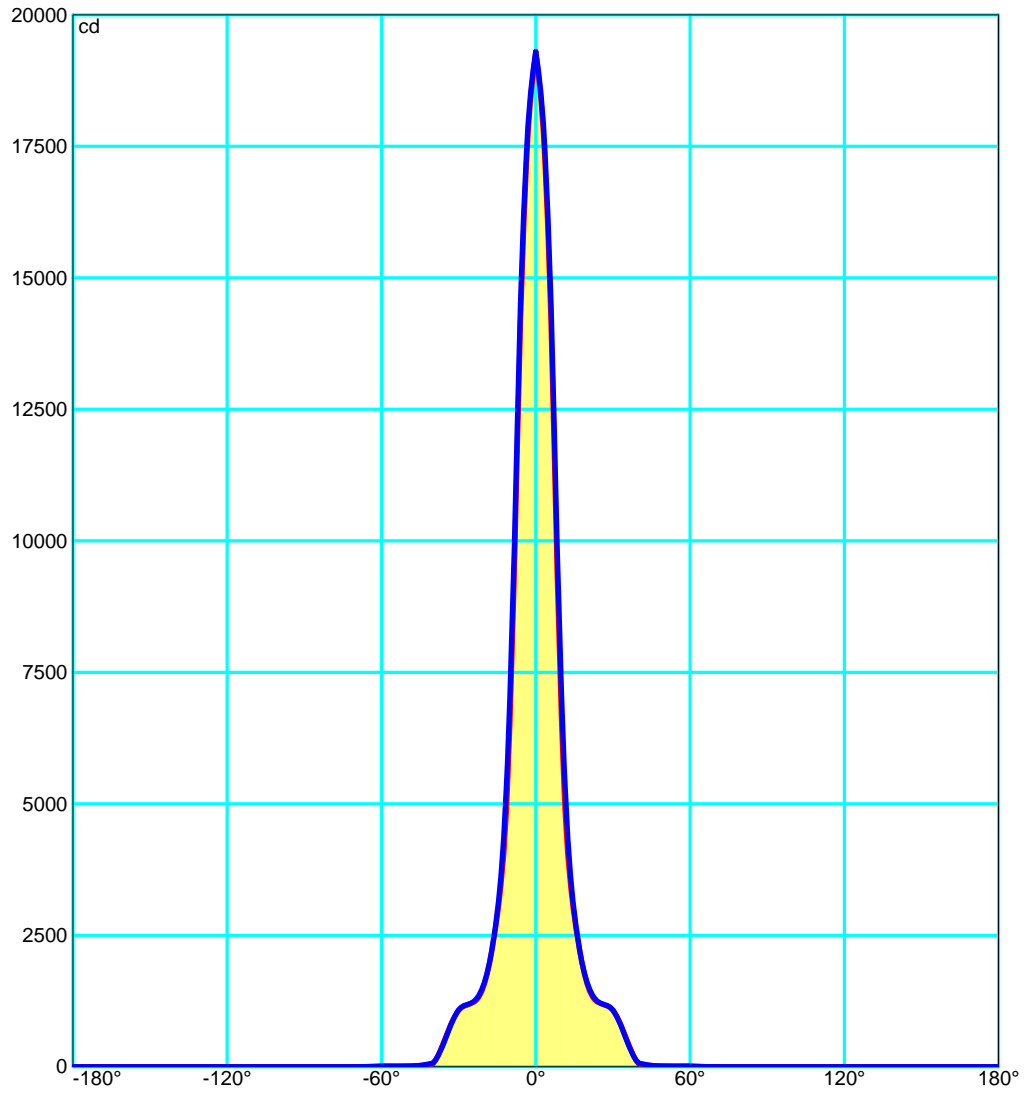
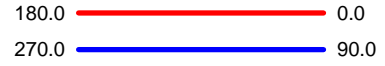


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Line	Eulumdat	Date	16-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	3136.97 lm

Diam=115mm



C Halfplanes



Luminaire		Measur.		Lamp	
Code	35-3937	Code	35-3937	Code	L3937 38.6W 80 4000K
Name	Proyector MACH 3 840 15° 38.6W	Name	Proyector MACH 3 840 15° 38.6W	Number	1
Line	Eulumdat	Date	16-10-2014	Position	
Efficiency	100.00%	Coordinate system	CG	Total Flux	3136.97 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	15.6	16.3	15.9	16.5	16.6	15.5	16.2	15.8	16.4	16.6
x=2H y=3H	15.5	16.1	15.8	16.3	16.5	15.4	16.0	15.7	16.2	16.5
x=2H y=4H	15.4	16.0	15.7	16.2	16.4	15.3	15.9	15.6	16.2	16.4
x=2H y=6H	15.3	15.9	15.7	16.1	16.3	15.3	15.8	15.6	16.1	16.3
x=2H y=8H	15.3	15.8	15.6	16.1	16.3	15.2	15.7	15.6	16.0	16.3
x=2H y=12H	15.3	15.7	15.6	16.0	16.3	15.2	15.6	15.5	15.9	16.3
x=4H y=2H	15.4	16.0	15.7	16.2	16.4	15.4	15.9	15.7	16.2	16.4
x=4H y=3H	15.3	15.7	15.6	16.0	16.3	15.2	15.7	15.5	16.0	16.3
x=4H y=4H	15.2	15.6	15.6	15.9	16.2	15.1	15.5	15.5	15.9	16.2
x=4H y=6H	15.1	15.5	15.5	15.8	16.1	15.1	15.4	15.5	15.8	16.1
x=4H y=8H	15.1	15.4	15.5	15.8	16.1	15.0	15.3	15.4	15.7	16.1
x=4H y=12H	15.1	15.3	15.5	15.7	16.1	15.0	15.2	15.4	15.6	16.1
x=8H y=4H	15.1	15.4	15.5	15.8	16.1	15.0	15.3	15.4	15.7	16.1
x=8H y=6H	15.0	15.2	15.5	15.7	16.0	14.9	15.2	15.4	15.6	16.0
x=8H y=8H	15.0	15.1	15.4	15.6	16.0	14.9	15.1	15.4	15.5	16.0
x=8H y=12H	14.9	15.1	15.4	15.5	15.9	14.9	15.0	15.3	15.5	15.9
x=12H y=4H	15.1	15.3	15.5	15.7	16.1	15.0	15.2	15.4	15.6	16.1
x=12H y=6H	15.0	15.1	15.4	15.6	16.0	14.9	15.1	15.4	15.5	16.0
x=12H y=8H	14.9	15.1	15.4	15.5	15.9	14.9	15.0	15.3	15.5	15.9

Luminaire

Code 35-3937
 Name Proyector MACH 3 840 15° 38.6W
 Line Eulumdat

Measur.

Code 35-3937
 Name Proyector MACH 3 840 15° 38.6W
 Date 16-10-2014

Lamp

Code L3937 38.6W 80 4000K
 Number 1
 Position

Efficiency 100.00% Coordinate system CG Total Flux 3136.97 lm

Total Flux=3136.97 Luminaire Flux=3136.97

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	0.74	0.78	0.83	0.86	0.88	0.93	0.96	0.98	0.99	1.00	1.02	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

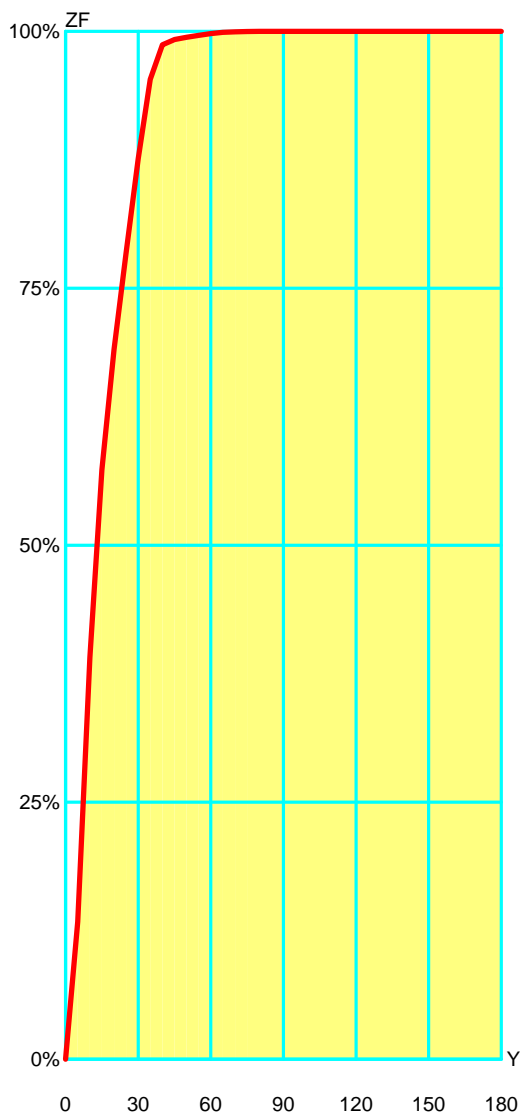
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	391	691	876	987	994	998	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

99 100 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	99.99990 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	--	DLOR	99.99990 %
B NBN	BZ 1	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°	133.70	133.70	13.37 %	13.37 %
10°	257.25	390.95	25.73 %	39.10 %
15°	182.48	573.44	18.25 %	57.34 %
20°	117.34	690.78	11.73 %	69.08 %
25°	93.51	784.29	9.35 %	78.43 %
30°	91.94	876.23	9.19 %	87.62 %
35°	77.03	953.26	7.70 %	95.33 %
40°	33.58	986.84	3.36 %	98.68 %
45°	5.09	991.93	0.51 %	99.19 %
50°	2.32	994.24	0.23 %	99.42 %
55°	1.74	995.99	0.17 %	99.60 %
60°	1.78	997.76	0.18 %	99.78 %
65°	1.27	999.03	0.13 %	99.90 %
70°	0.45	999.48	0.04 %	99.95 %
75°	0.26	999.73	0.03 %	99.97 %
80°	0.15	999.88	0.01 %	99.99 %
85°	0.07	999.95	0.01 %	100.00 %
90°	0.05	1000.00	0.00 %	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 %

