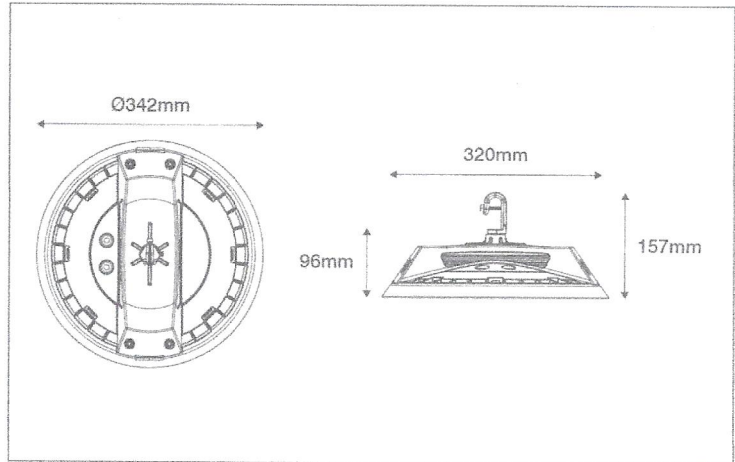
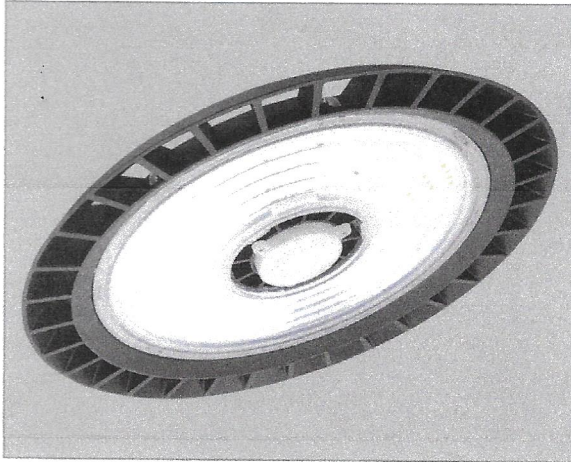


Design Proposal

Product Code: OV100100

Description: 100W LED 1-10V Dimmable Highbay - IP65 - 4000K - Black



General Information

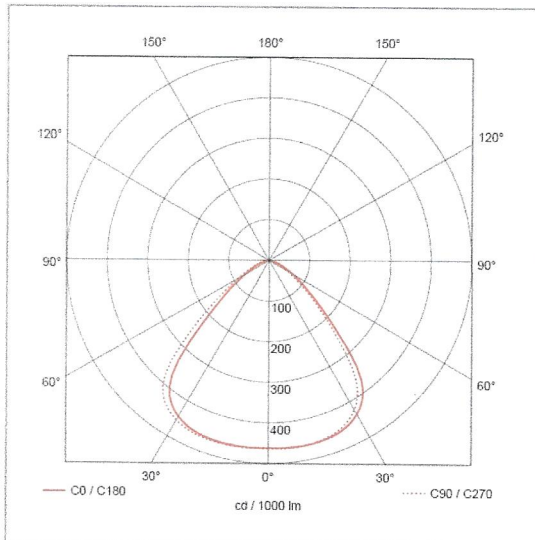
Dimensions	342mm Diameter x 157mm (D) (With Hook)
Materials	Body: Powdercoated Aluminium Diffuser: Polycarbonate
Finish	Black (RAL 9004)
Product Weight	3.65Kg
Dimmable	Yes - 0(1)-10V
Ingress Protection	IP65
IK Rating	IK10
Warranty	6 Years

Supply & Power

Input Voltage & Frequency	100-277V~ 50/60Hz
Electrical Safety	Class I
Input Power	100W
Input Current	600mA
Inrush Current	29.2A (640µs)
Power Factor	>=0.95
Ambient Temperature (Ta)	-40°C - +45°C
Critical Temperature	>65°C @25°C
Input Mains Cable	3 x 1mm² H05-RNF (3 Metres)
0(1)-10V Input Cable	2 x 20 AWG (3 Metres) - Black

Accessories

OVWB1092 Bracket For 100W & 150W Inceptor® Hion Highbay Fittings



Luminaire Output

Colour Temperature	4000K
CRI	70
Typical Luminous Flux	14630lm
Efficacy	144lm/W
Beam Angle	90°
LED Lifetime (L70)	54,000 Hours

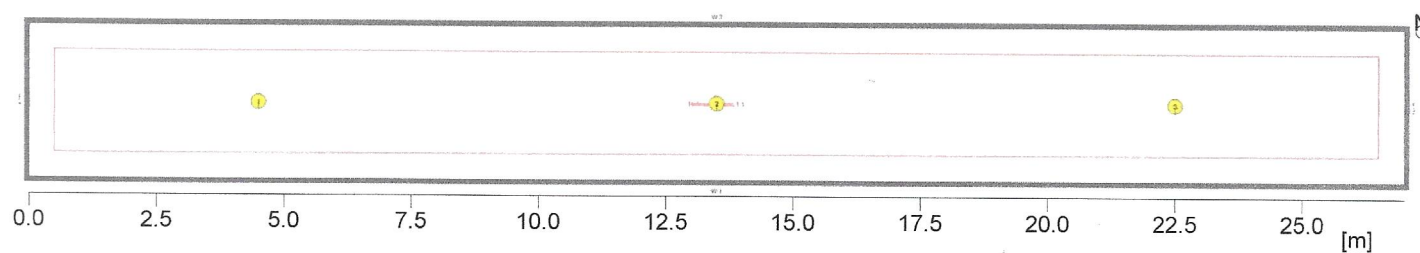
Object : Internal - Driving Range Hut
Installation : Spalding Golf Club
Project number : LS00210
Date : 23.03.2020



1 Room 1

1.1 Description, Room 1

1.1.1 Floor plan



Room data:

W1 : 27.00
W2 : 3.00
W3 : 27.00
W4 : 3.00
W5 : ----
W6 : ----

Floor: ----
Ceiling: ----

Room height [m]:
Height of ref. plane [m]:
Height of luminaire plane [m]:

Reflectance:

50.0 %
50.0 %
50.0 %
50.0 %

20.0 %
70.0 %

3.00
0.00
3.00

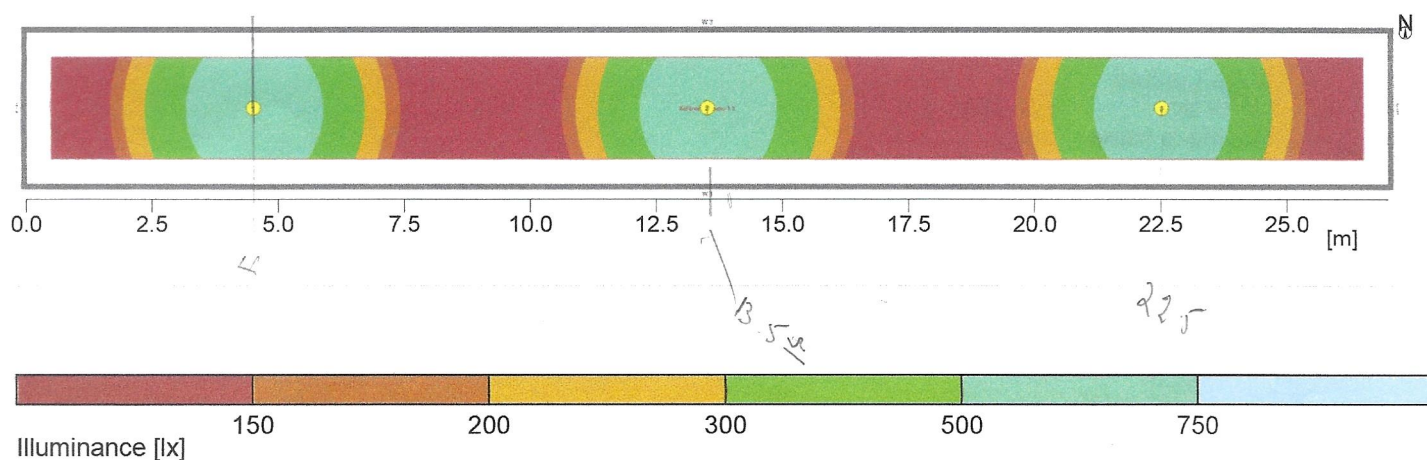
Object : Internal - Driving Range Hut
 Installation : Spalding Golf Club
 Project number : LS00210
 Date : 23.03.2020



1 Room 1

1.2 Summary, Room 1

1.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
 Height of luminaire plane
 Maintenance factor

Average indirect fraction
 3.00 m
 0.80

Total luminous flux of all lamps
 Total power
 Total power per area (81.00 m²)

38160.00 lm
 294.9 W
 3.64 W/m² (1.19 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
 Em
 Emin
 Emin/Em (Uo)
 Emin/Emax (Ud)
 UGR (15.0H 1.7H)
 Position

305 lx
 55 lx
 0.18
 0.08
 <=24.8
 0.00 m

Major surfaces

Major surfaces	Em	Uo
M 1.5 (Ceiling)	55 lx	0.47
M 1.1 (Wall)	137 lx	0.20
M 1.2 (Wall)	44 lx	0.77

Object : Internal - Driving Range Hut
Installation : Spalding Golf Club
Project number : LS00210
Date : 23.03.2020



1 Room 1

1.2 Summary, Room 1

1.2.1 Result overview, Evaluation area 1

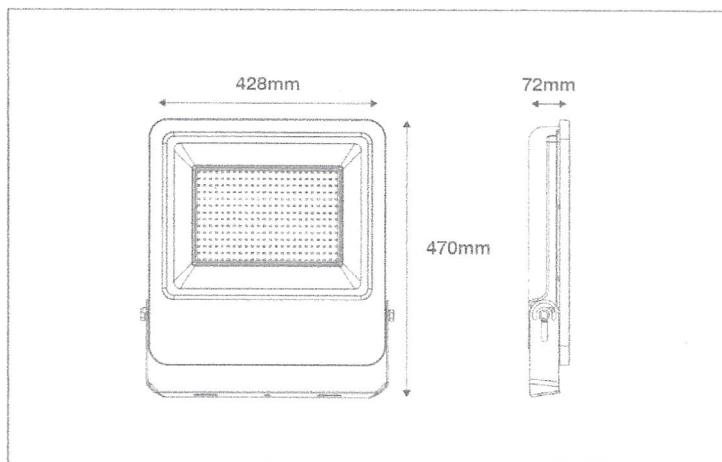
M 1.3 (Wall)	134 lx	0.20
M 1.4 (Wall)	44 lx	0.77

Type No.\Make

1	3	OVIA Limited
	Order No.	: OV108100
	Luminaire name	: Grus
	Equipment	: 1 x LED 98.3 W / 12720 lm

Product Code: OV101300BKCW

Description: 300W LED Floodlight - IP65 - 4000K - Black



General Information

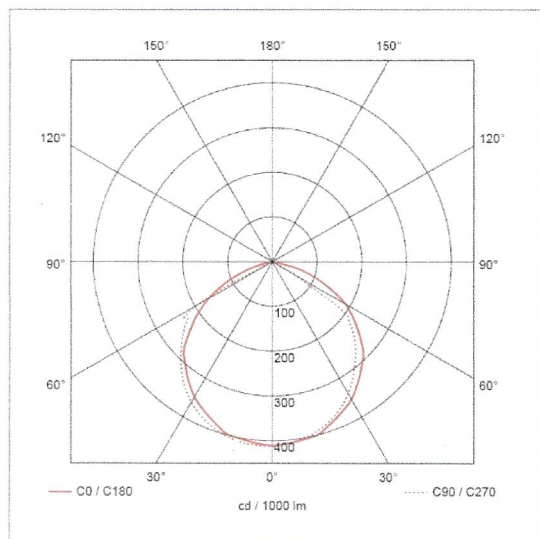
Dimensions	428mm (W) x 470mm (H) x 72mm (D)
Materials	Body: Powdercoated Aluminium Diffuser: Prismatic Glass
Finish	Black (RAL 9004)
Product Weight	6.8Kg
Dimmable	No
Ingress Protection	IP65
IK Rating	IK07
Warranty	3 Years

Supply & Power

Input Voltage & Frequency	220-240V~ 50/60Hz
Electrical Safety	Class I
Input Power	300W
Input Current	46mA
Inrush Current	1.175A (130µs)
Power Factor	0.9
Ambient Temperature (Ta)	-20°C - +45°C
Critical Temperature	-40°C - +70°C
Input Mains Cable	3 x 1mm² H05-RNF (1 Metre)

Luminaire Output

Colour Temperature	4000K
CRI	>80
Typical Luminous Flux	24000lm
Efficacy	80lm/W
Beam Angle	110°
LED Lifetime (L70)	30,000 Hours

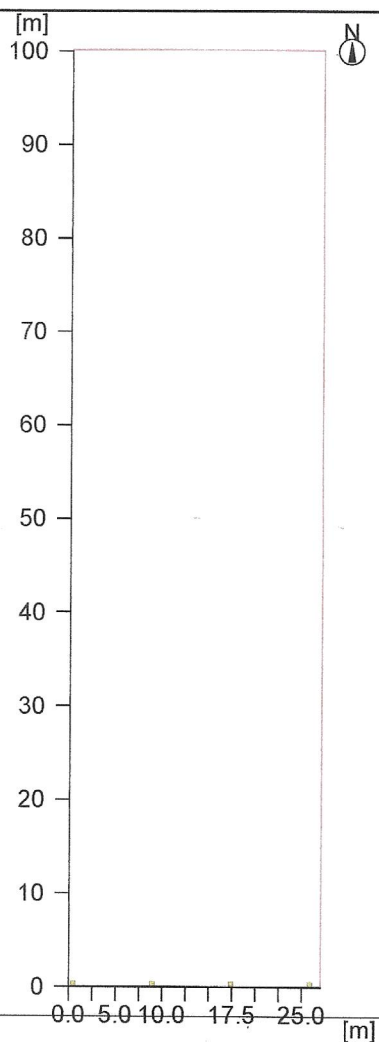


Object : External - Driving Range
Installation : Spalding Golf Club
Project number : LS00210
Date : 23.03.2020

1 Exterior 1

1.1 Description, Exterior 1

1.1.1 Floor plan

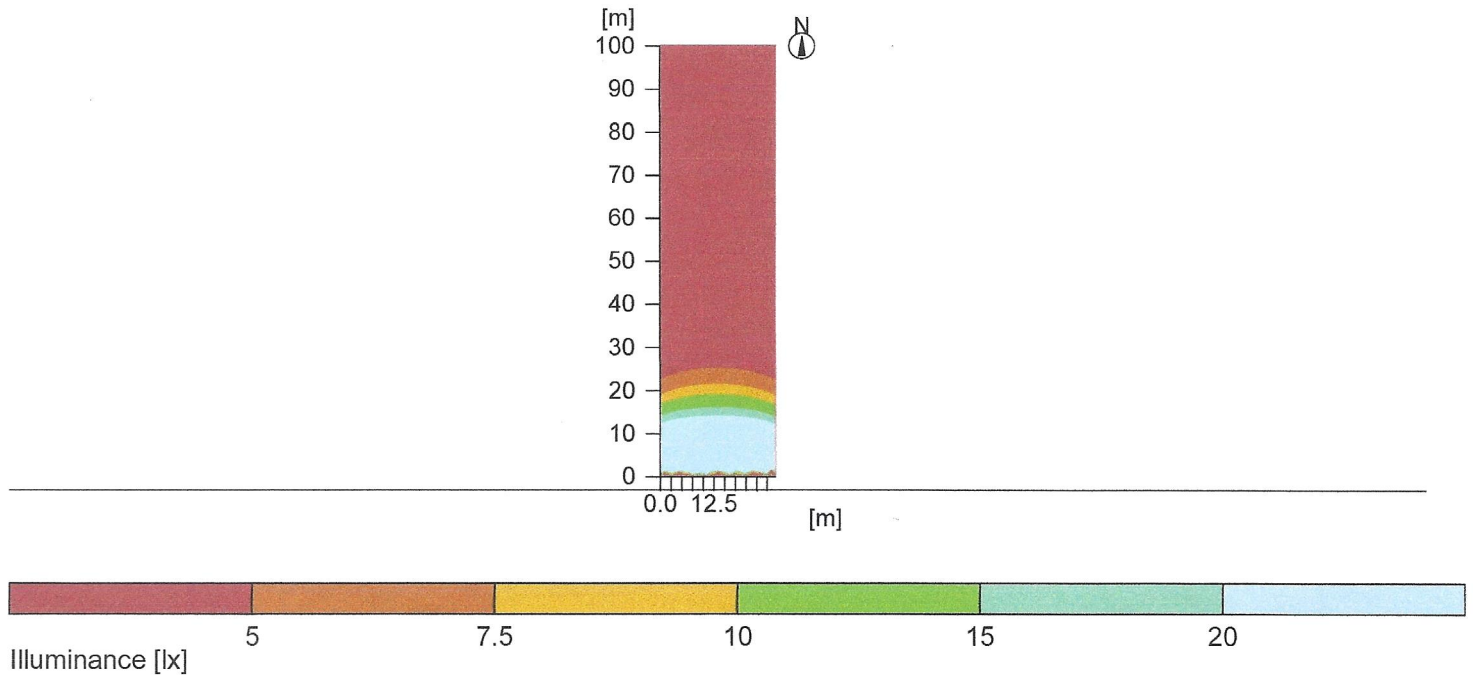


Object : External - Driving Range
 Installation : Spalding Golf Club
 Project number : LS00210
 Date : 23.03.2020

1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height (phot. centre)	3.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	96000.00 lm
Total power	1176.0 W
Total power per area (2700.00 m²)	0.44 W/m² (4.04 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

	Horizontal
Em	10.8 lx
Emin	0.1 lx
Emin/Em (Uo)	0.01
Emin/Emax (Ud)	0.00
Position	0.00 m

Type No. \ Make

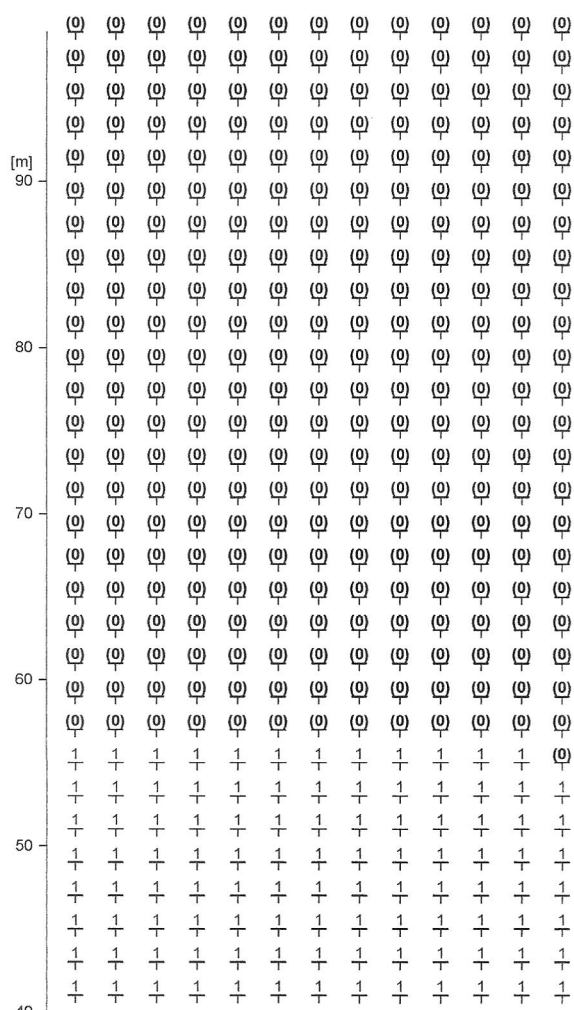
1	4	OVIA Limited
		Order No. : OV101300BKCW
		Luminaire name : Pathfinder
		Equipment : 1 x LED 294 W / 24000 lm

Object : External - Driving Range
 Installation : Spalding Golf Club
 Project number : LS00210
 Date : 23.03.2020

1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Table, Reference plane 1.1 (E)



Part1

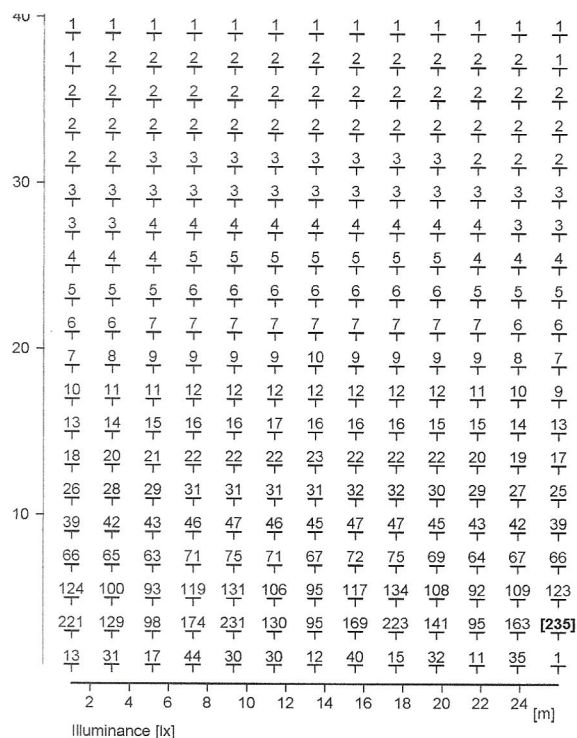
Height reference plane		: 0.00 m
Average illuminance	Em	: 11 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 235 lx
Uniformity Uo	Emin/Em	: 1 : 115.22 (0.01)
Diversity Ud	Emin/Emax	: 1 : 2507.09 (0.00)

Object : External - Driving Range
Installation : Spalding Golf Club
Project number : LS00210
Date : 23.03.2020

1 Exterior 1

1.3 Calculation results, Exterior 1

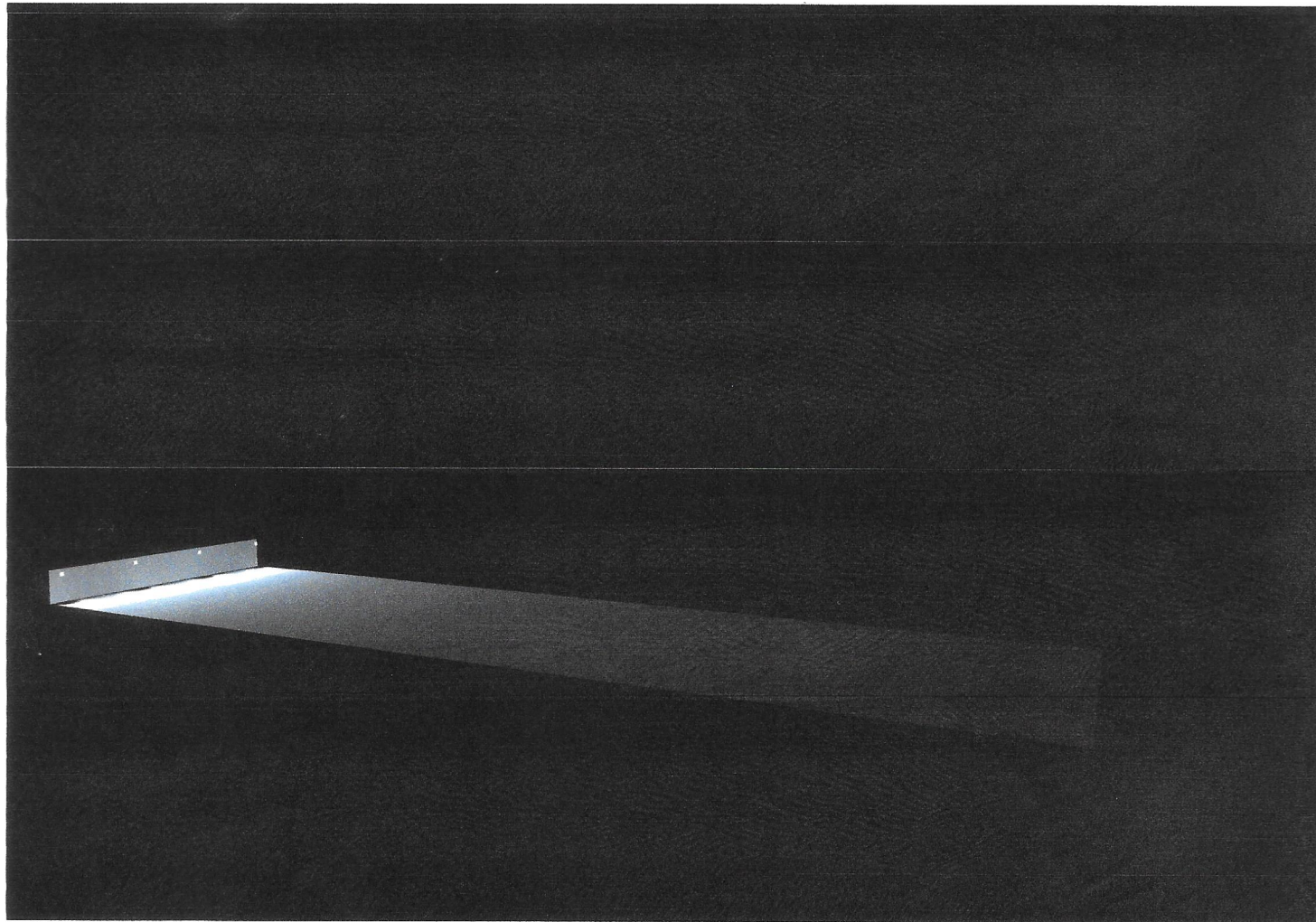
1.3.1 Table, Reference plane 1.1 (E)



Object : External - Driving Range
Installation : Spalding Golf Club
Project number : LS00210
Date : 23.03.2020

1.3 Calculation results, Exterior 1

1.3.2 3D luminance, View 1



Luminance in the scene

Minimum: : 0 cd/m²

Maximum: : 12.9 cd/m²