

סככת אח"י

תקרה : Installation

Project number : 181

Customer : משהב"ט

Processed by : אסף נאור

Date : 27.03.2022

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

1 Luminaire data

1.1 Lanzini, Professional - T1 - LE... (L00T14090BL40175)

1.1.1 Data sheet

Manufacturer: Lanzini



L00T14090BL40175 Outdoor - Wall Professional - T1 - LED suspension for indoor and outdoor lighting

Body

Body in die cast aluminum alloy UNI EN 1706 (Low copper content) painted with polyester powder and stainless steel eye-bolt. Available on request, tempered glass of sodium calcic type, thickness 4mm, 91% transparency and IK07 with silicone gaskets, galvanized steel bracket painted with polyester powder, goniometer in technopolymer. Screws made of AISI 304 stainless steel.

Source

Light source LED (lumileds) with different color temperature options (standard Natural White 4000 K. 3000 K, 5000 K and 5700 K available on request). High color rendering coefficient CRI≥80. PC optical optics. Available optics symmetrical 60° and 90°.

Voltage

Driver included external toroidal (also in dimmable or DALI versions)

Input voltage 220-240 V AC 50/60 Hz.

Temperature -40° +45°

Applications

Industrial installations, warehouses and deposits, Gyms.

Note

3000 K, 5000 K and 5700 K versions available on request.

Sodic-calcic glass 4mm, 91% transparency, IK07 available on request.

Flicker value ≤3%.

Decay of the luminous flux

≥100.000 hr L80B20

Colours

Luminaire data

Absolute Photometry

Luminaire efficacy : 123.2 lm/W
Classification : A50 ↓100.0% ↑0.0%
CIE Flux Codes : 66 93 99 100 100
UGR 4H 8H : 28.6 / 28.6
Control gear : electronic ballast
Power : 175 W
Luminous flux : 21560.8 lm

Dimensions : Ø290 mm x 163 mm

Equipped with

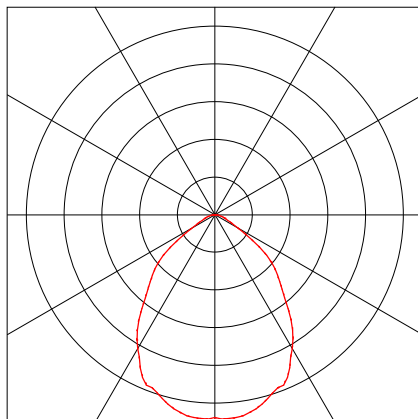
Quantity : 1
Designation : LED
Colour : 4000K
Colour reproduction : 80

Object : סכנת אח"י
Installation : תקרה
Project number : 181
Date : 27.03.2022

1 Luminaire data

1.1 Lanzini, Professional - T1 - LE... (L00T14090BL40175)

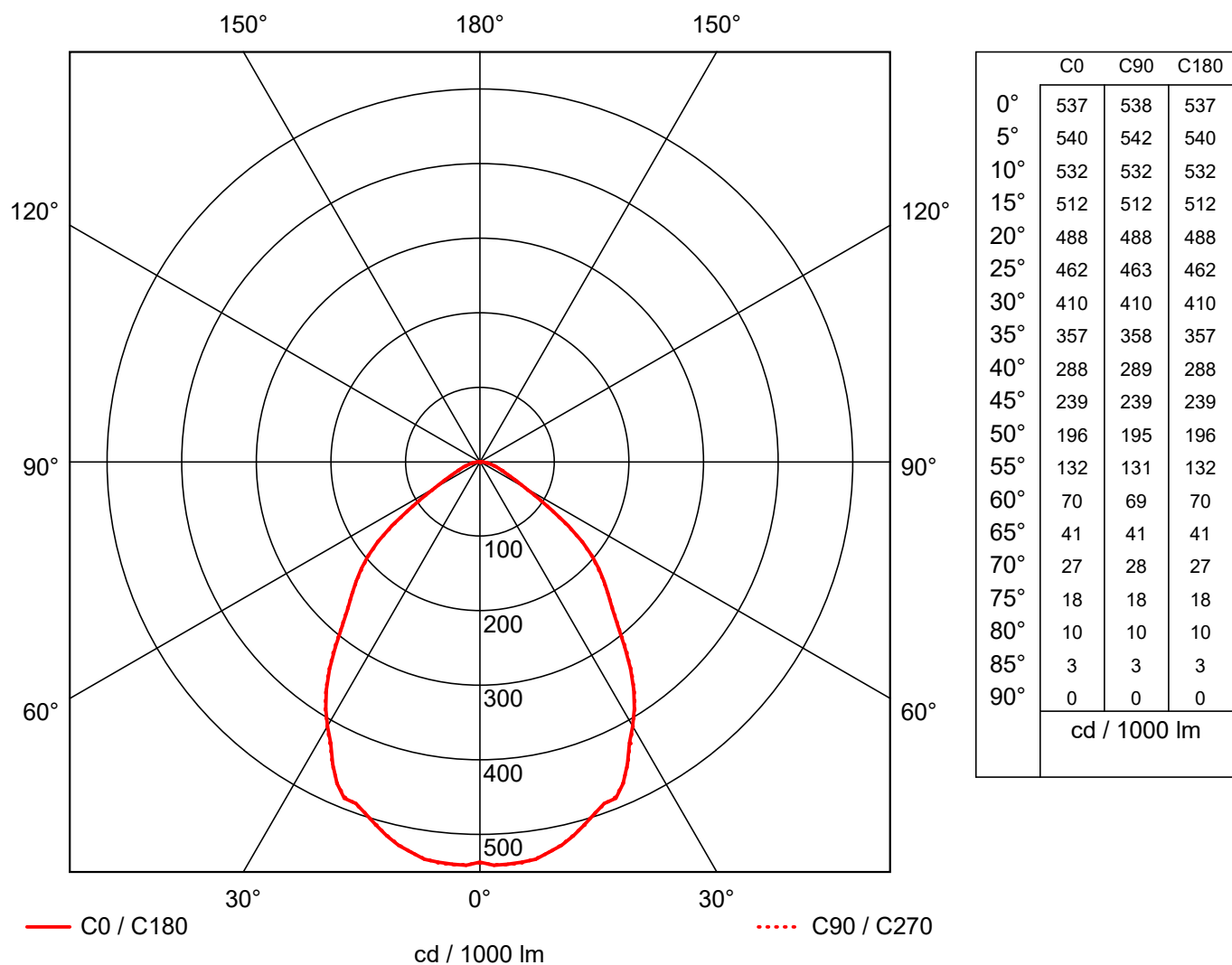
1.1.1 Data sheet



Object : סכנת אח"י
 Installation : תקרה
 Project number : 181
 Date : 27.03.2022

1.1 Lanzini, Professional - T1 - LE... (L00T14090BL40175)

1.1.2 LDC



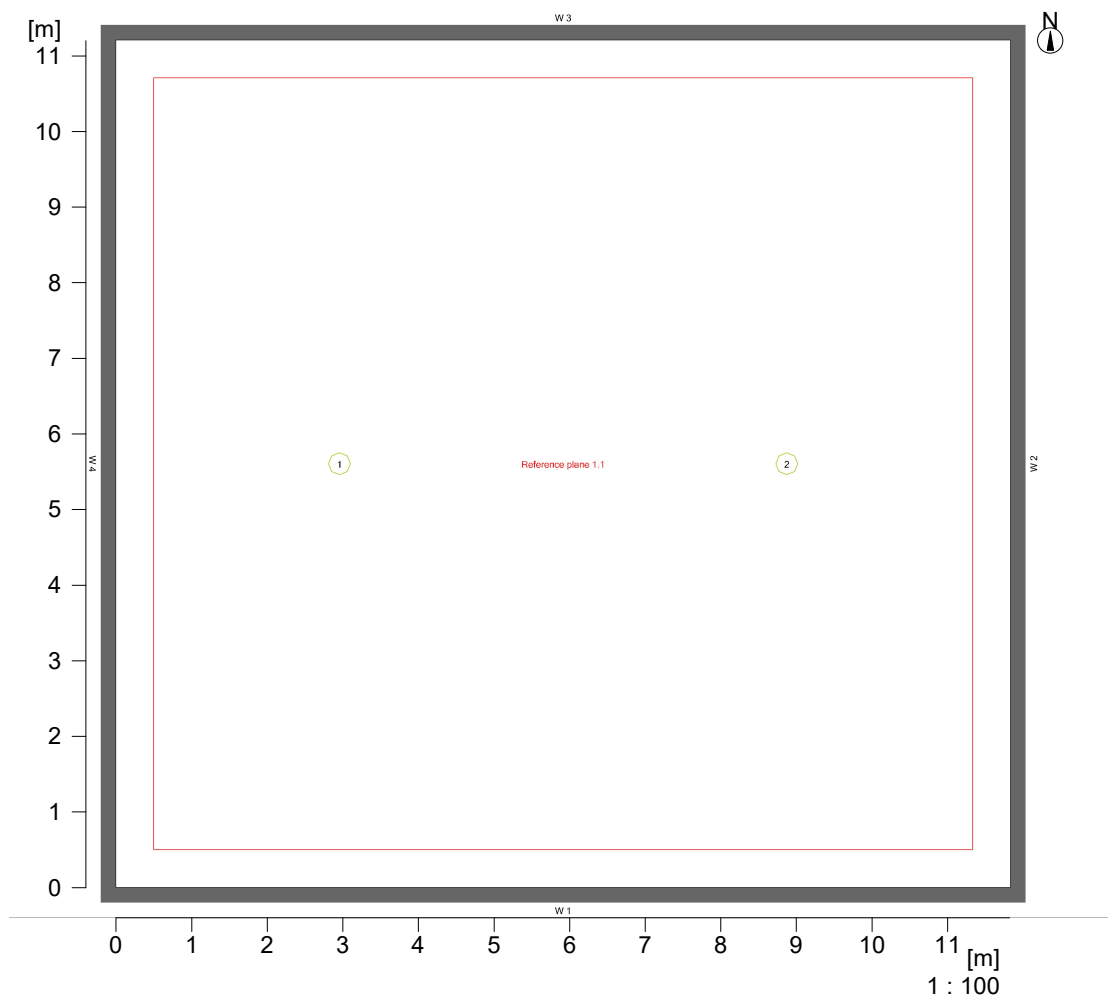
Manufacturer	: Lanzini	Luminaire efficacy	: 123.2 lm/W (A50)
Order number	: L00T14090BL40175	Light distribution	: sym. to C0-C180 / C90-C270
Luminaire name	: Professional - T1 - LED suspension for indoor and outdoor lighting	Beam Angle	: 83.0° C0-C180 83.2° C90-C270
Equipment	: 1 x LED 175 W / 21563 lm		
Dimensions	: D 290 mm x H 163 mm		
File name	: rlx254208453.ltd		

Object : סכנת אח"י
Installation : תקרה
Project number : 181
Date : 27.03.2022

2 Room 1

2.1 Description, Room 1

2.1.1 Floor plan



Room data:

W1 : 11.82
W2 : 11.20
W3 : 11.82
W4 : 11.20

W5 : ----
W6 : ----

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

Room height [m]:

Height of reference plane [m]:

Height of luminaire plane [m]:

Reflectance:

100.0 %
100.0 %
100.0 %
100.0 %

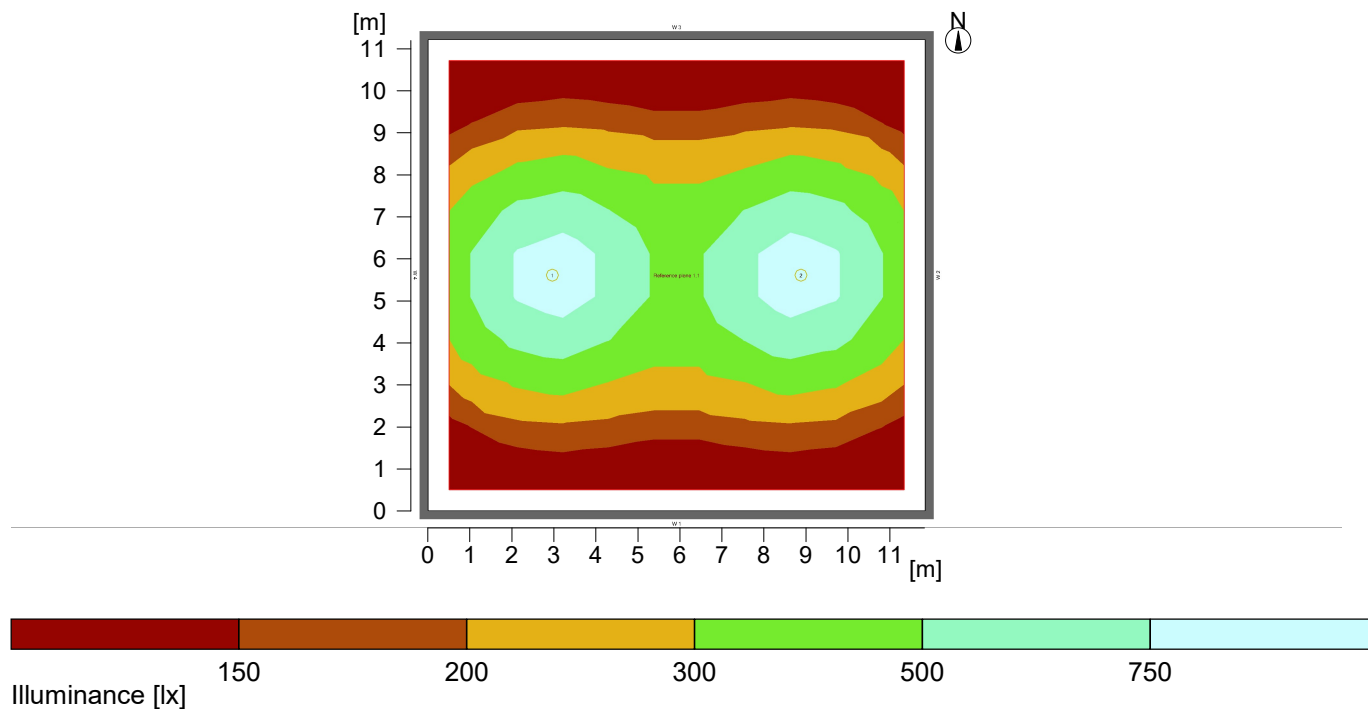
20.0 %
100.0 %

Object : סכנת אח"י
 Installation : תקרה
 Project number : 181
 Date : 27.03.2022

2 Room 1

2.2 Summary, Room 1

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	4.30 m
Maintenance factor	0.80
Total luminous flux of all lamps	43126 lm
Total power	350.0 W
Total power per area (132.38 m ²)	2.64 W/m ² (0.80 W/m ² /100lx)

Evaluation area 1

Reference plane 1.1

	Horizontal
Em	330 lx
Emin	96 lx
Emin/Eav (Uo)	0.29
Emin/Emax (Ud)	0.12
UGR (3.7H 3.9H)	<=28.5
Position	0.75 m

Major surfaces

	Em	Uo
m 1.5 (Ceiling)	70 lx	0.79
m 1.1 (Wall)	77 lx	0.70
m 1.2 (Wall)	109 lx	0.48
m 1.3 (Wall)	77 lx	0.70
m 1.4 (Wall)	110 lx	0.48

Object : סכנת אח"י
Installation : תקרה
Project number : 181
Date : 27.03.2022

2 Room 1

2.2 Summary, Room 1

2.2.1 Result overview, Evaluation area 1

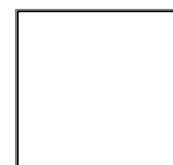
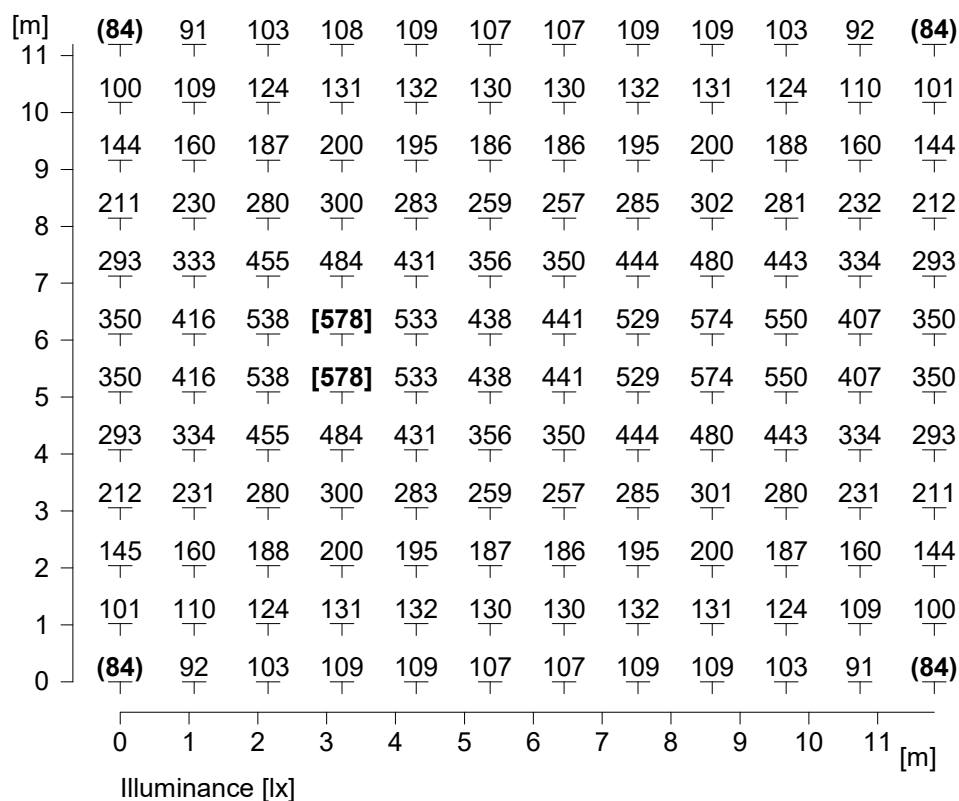
Type No.\Make

1	2	Lanzini	
		Order No.	: L00T14090BL40175
		Luminaire name	: Professional - T1 - LED suspension for indoor and outdoor lighting
		Equipment	: 1 x LED 175 W / 21563 lm

2 Room 1

2.3 Calculation results, Room 1

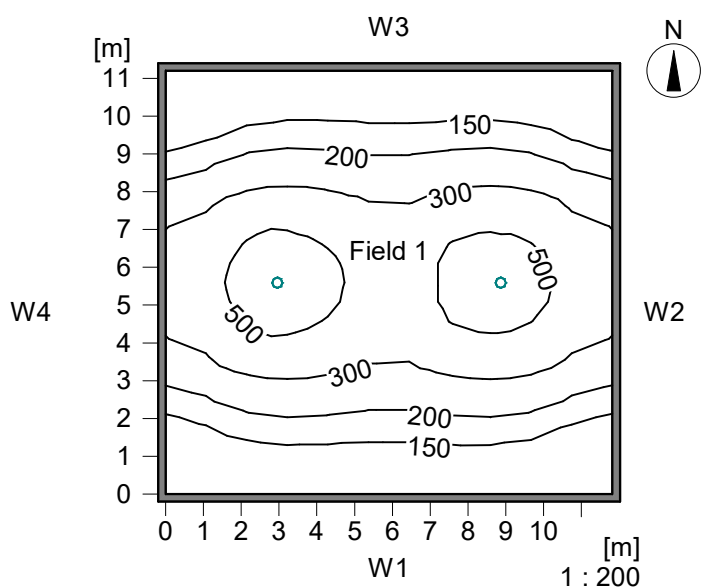
2.3.1 Table, Floor (E)



Average illuminance	Eav	: 255 lx
Minimum illuminance	Emin	: 84 lx
Maximum illuminance	Emax	: 578 lx
Uniformity Uo	Emin/Eav	: 1 : 3.02 (0.33)
Diversity Ud	Emin/Emax	: 1 : 6.86 (0.15)

2.3 Calculation results, Room 1

2.3.2 Isolines representation, Floor (E)

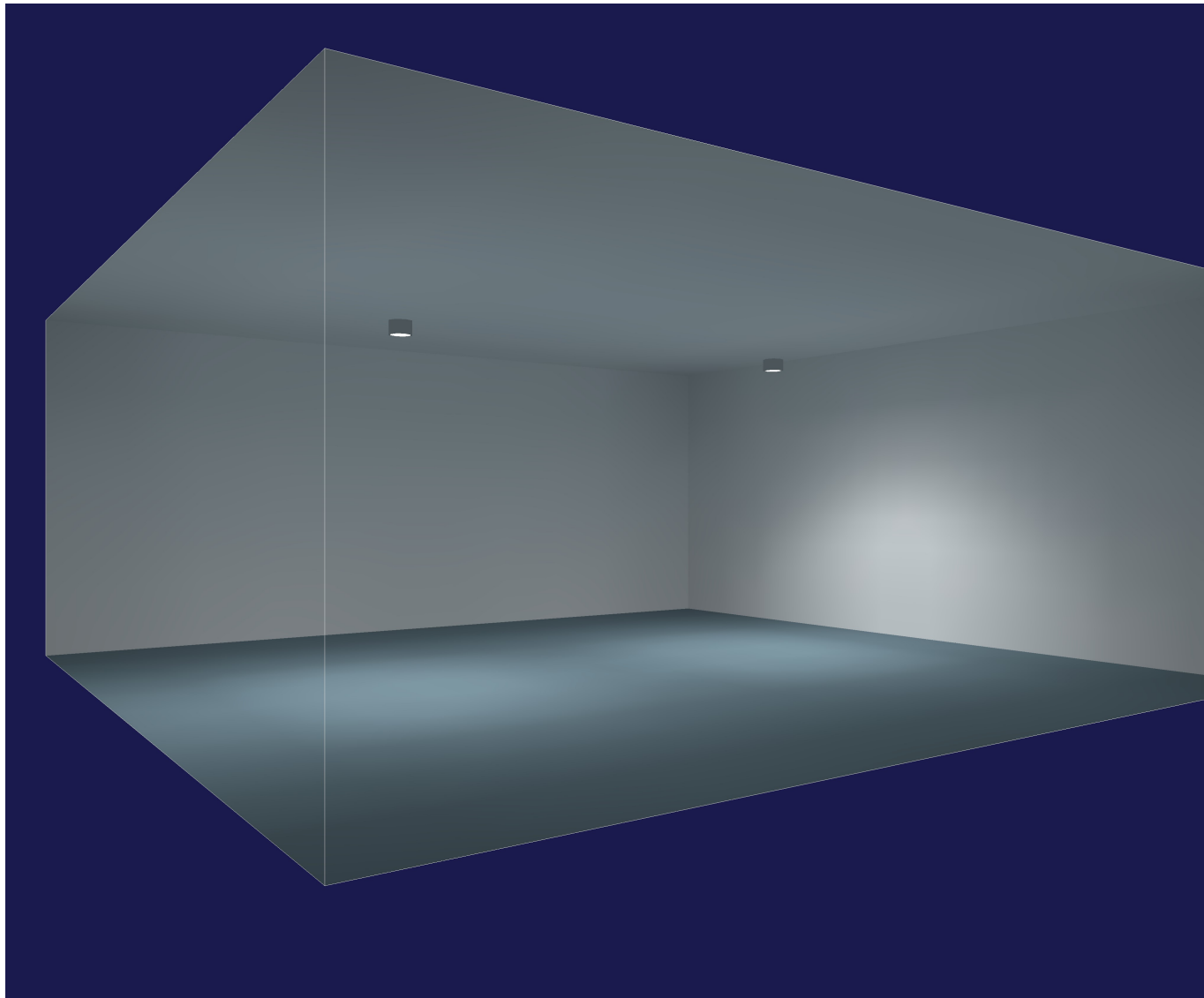


Illuminance [lx]

Average illuminance	Eav	: 255 lx
Minimum illuminance	Emin	: 84 lx
Maximum illuminance	Emax	: 578 lx
Uniformity Uo	Emin/Eav	: 1 : 3.02 (0.33)
Diversity Ud	Emin/Emax	: 1 : 6.86 (0.15)

2.3 Calculation results, Room 1

2.3.3 3D luminance, View 1

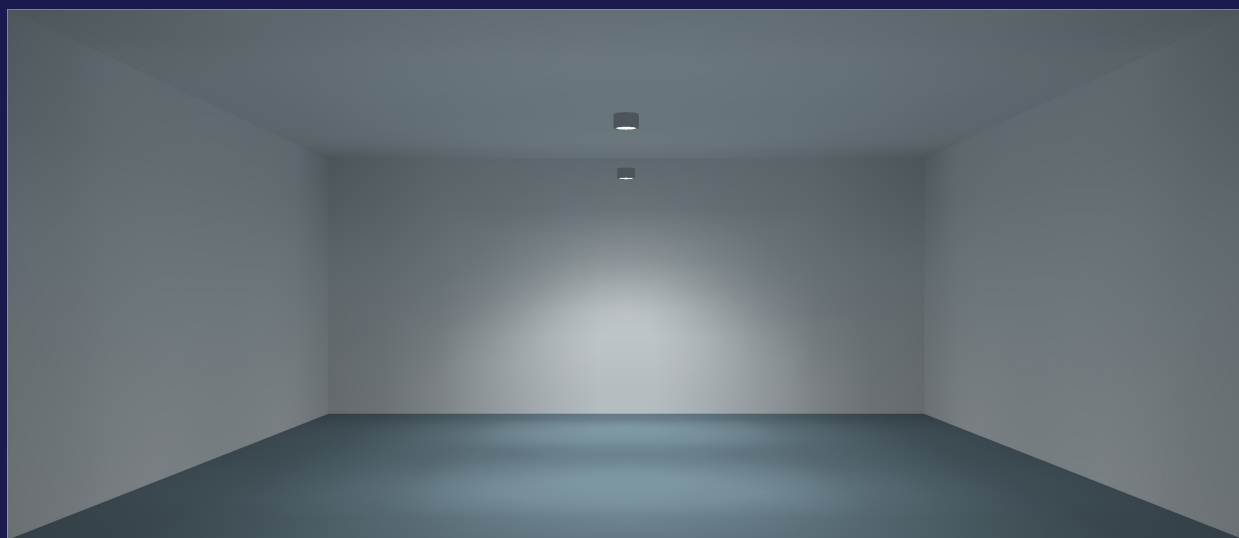


Luminance in the scene

Minimum: : 5.4 cd/m²
Maximum: : 67.6 cd/m²

2.3 Calculation results, Room 1

2.3.4 3D luminance, View from the left



Luminance in the scene

Minimum: : 5.4 cd/m²
Maximum: : 67.6 cd/m²