

Teatrul de papusi Prichindel Alba Iulia

Partner for Contact: arh. Razvan Bembea
Order No.:
Company: Cinetic Studio SRL
Customer No.:

Date: 08.12.2014
Operator: ing. Turla Mihai Mircea

Electronet Instalatii SRL

Deva, Str. Mihail Kogalniceanu Bl. 14

Operator ing. Turla Mihai Mircea
Telephone 0744602439
Fax 0254233816
e-Mail electronet.instalatii@yahoo.com

Table of contents

Teatrul de pupusi Prichindel Alba Iulia	
Project Cover	1
Table of contents	2
SITECO 0DX11A7833R LEDVANCE® Downlight XL	
Luminaire Data Sheet	3
UGR-Table	4
Sala de spectacol	
Luminaire parts list	5
Luminaires (layout plan)	6
Photometric Results	7
Room Surfaces	
Workplane	
Isolines (E)	8

Electronet Instalatii SRL

Deva, Str. Mihail Kogalniceanu Bl. 14

Operator ing. Turla Mihai Mircea
 Telephone 0744602439
 Fax 0254233816
 e-Mail electronet.instalatii@yahoo.com

SITECO 0DX11A7833R LEDVANCE® Downlight XL / UGR-Table

Luminaire: SITECO 0DX11A7833R LEDVANCE® Downlight XL

Lamps: 1 x LED 3000K / CRI >= 80

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20.8	21.8	21.0	22.0	22.2	20.8	21.8	21.0	22.0	22.2
	3H	21.0	21.9	21.3	22.1	22.4	21.0	21.9	21.3	22.1	22.4
	4H	21.1	21.9	21.4	22.2	22.4	21.1	21.9	21.4	22.2	22.4
	6H	21.1	21.9	21.4	22.1	22.4	21.1	21.9	21.4	22.1	22.4
	8H	21.1	21.8	21.4	22.1	22.4	21.1	21.8	21.4	22.1	22.4
	12H	21.0	21.8	21.4	22.1	22.4	21.0	21.8	21.4	22.1	22.4
4H	2H	20.9	21.7	21.2	22.0	22.3	20.9	21.7	21.2	22.0	22.3
	3H	21.2	21.9	21.6	22.2	22.6	21.2	21.9	21.6	22.2	22.6
	4H	21.3	21.9	21.7	22.3	22.6	21.3	21.9	21.7	22.3	22.6
	6H	21.4	21.9	21.8	22.3	22.7	21.4	21.9	21.8	22.3	22.7
	8H	21.4	21.9	21.8	22.3	22.7	21.4	21.9	21.8	22.3	22.7
	12H	21.4	21.8	21.8	22.2	22.7	21.4	21.8	21.8	22.2	22.7
8H	4H	21.3	21.8	21.7	22.2	22.6	21.3	21.8	21.7	22.2	22.6
	6H	21.4	21.8	21.9	22.2	22.7	21.4	21.8	21.9	22.2	22.7
	8H	21.4	21.8	21.9	22.2	22.7	21.4	21.8	21.9	22.2	22.7
	12H	21.5	21.8	22.0	22.2	22.7	21.5	21.8	22.0	22.2	22.7
12H	4H	21.3	21.7	21.7	22.1	22.6	21.3	21.7	21.7	22.1	22.6
	6H	21.4	21.7	21.9	22.2	22.7	21.4	21.7	21.9	22.2	22.7
	8H	21.4	21.7	21.9	22.2	22.7	21.4	21.7	21.9	22.2	22.7
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.6 / -1.2					+0.6 / -1.2				
S = 1.5H		+1.5 / -2.6					+1.5 / -2.6				
S = 2.0H		+3.0 / -3.6					+3.0 / -3.6				
Standard table		BK01					BK01				
Correction Summand		3.3					3.3				
Corrected Glare Indices referring to 1770lm Total Luminous Flux											

The UGR values have been calculated according to CIE Publ. 117 Spacing-to-Height-Ratio = 0.25.

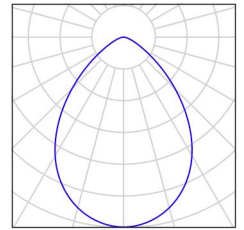
Electronet Instalatii SRL

Deva, Str. Mihail Kogalniceanu Bl. 14

Operator ing. Turla Mihai Mircea
Telephone 0744602439
Fax 0254233816
e-Mail electronet.instalatii@yahoo.com

Sala de spectacol / Luminaire parts list

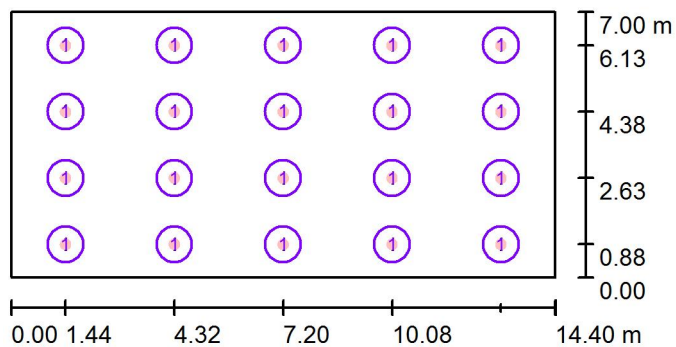
20 Pieces SITECO 0DX11A7833R LEDVANCE® Downlight
XL
Article No.: 0DX11A7833R
Luminous flux (Luminaire): 1770 lm
Luminous flux (Lamps): 1770 lm
Luminaire Wattage: 19.0 W
Luminaire classification according to CIE: 100
CIE flux code: 69 94 99 100 100
Fitting: 1 x LED 3000K / CRI \geq 80 (Correction
Factor 1.000).



Electronet Instalatii SRL

Deva, Str. Mihail Kogalniceanu Bl. 14

Operator ing. Turla Mihai Mircea
Telephone 0744602439
Fax 0254233816
e-Mail electronet.instalatii@yahoo.com

Sala de spectacol / Luminaires (layout plan)

Scale 1 : 200

Luminaire Parts List

No.	Pieces	Designation
1	20	SITECO 0DX11A7833R LEDVANCE® Downlight XL

Electronet Instalatii SRL

Deva, Str. Mihail Kogalniceanu Bl. 14

Operator ing. Turla Mihai Mircea
 Telephone 0744602439
 Fax 0254233816
 e-Mail electronet.instalatii@yahoo.com

Sala de spectacol / Photometric Results

Total Luminous Flux: 35400 lm
 Total Load: 380.0 W
 Maintenance factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m ²]
	direct	indirect	total		
Workplane	202	41	243	/	/
Floor	181	43	225	20	14
Ceiling	0.00	47	47	70	11
Wall 1	61	43	105	50	17
Wall 2	53	42	95	50	15
Wall 3	61	44	105	50	17
Wall 4	53	42	95	50	15

Uniformity on the working plane

u₀: 0.480 (1:2)E_{min} / E_{max}: 0.388 (1:3)**UGR**

Lengthways-

Across

to luminaire axis

Left Wall

21

21

Lower Wall

21

21

(CIE, SHR = 0.25.)

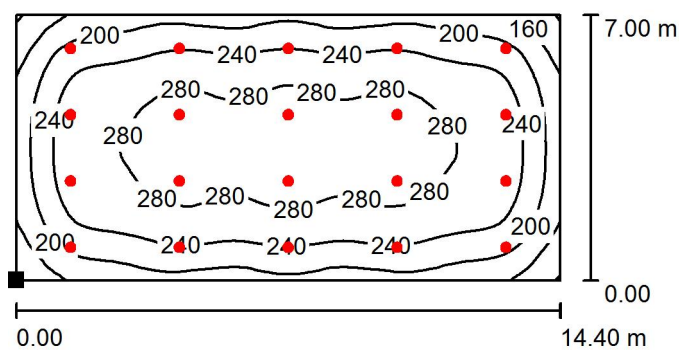
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.425, Ceiling / Working Plane: 0.196.

Specific connected load: 3.77 W/m² = 1.55 W/m²/100 lx (Ground area: 100.80 m²)

Electronet Instalatii SRL

Deva, Str. Mihail Kogalniceanu Bl. 14

Operator ing. Turla Mihai Mircea
 Telephone 0744602439
 Fax 0254233816
 e-Mail electronet.instalatii@yahoo.com

Sala de spectacol / Workplane / Isolines (E)

Position of surface in room:
 Marked point:
 (0.000 m, 0.000 m, 0.850 m)

Values in Lux, Scale 1 : 200



Grid: 64 x 128 Points

 E_{av} [lx]
 243

 E_{min} [lx]
 117

 E_{max} [lx]
 301

 u_0
 0.480

 E_{min} / E_{max}
 0.388