

## **Svjetlotehnički proračun**

Dogradnja pogonske zgrade UPOV-a - Laboratorij

pr.br.: 254-06-2017P

Partner for Contact:

Order No.:

Company:

Customer No.:

Date: 26.06.2017

Operator:

Operator  
Telephone  
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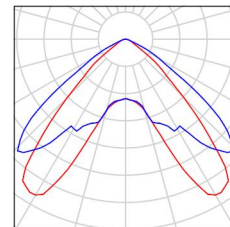
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**Svjetlotehnički proračun / Luminaire parts list**

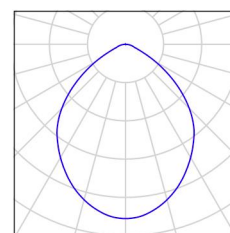
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1 Pieces    AWEX LVPU/2W/B LVPU/2W/B  
Article No.: LVPU/2W/B  
Luminous flux (Luminaire): 0 lm  
Luminous flux (Lamps): 0 lm  
Luminaire Wattage: 0.0 W  
Emergency Lighting: 280 lm, 2.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 54 93 99 100 100  
Fitting: 1 x LVPU/2W/B (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.

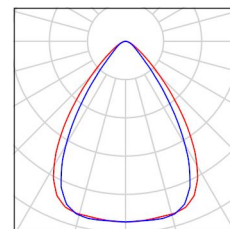


12 Pieces    PHILIPS DN130B D217 1xLED20S/840  
Article No.:  
Luminous flux (Luminaire): 2275 lm  
Luminous flux (Lamps): 2500 lm  
Luminaire Wattage: 22.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 61 91 98 100 91  
Fitting: 1 x LED20S/840/- (Correction Factor 1.000).



18 Pieces    PHILIPS RC120B LED37S/840 W60L60 VAR-PC  
Article No.:  
Luminous flux (Luminaire): 3693 lm  
Luminous flux (Lamps): 3700 lm  
Luminaire Wattage: 31.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 82 96 99 100 100  
Fitting: 1 x LED37S/840 (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.

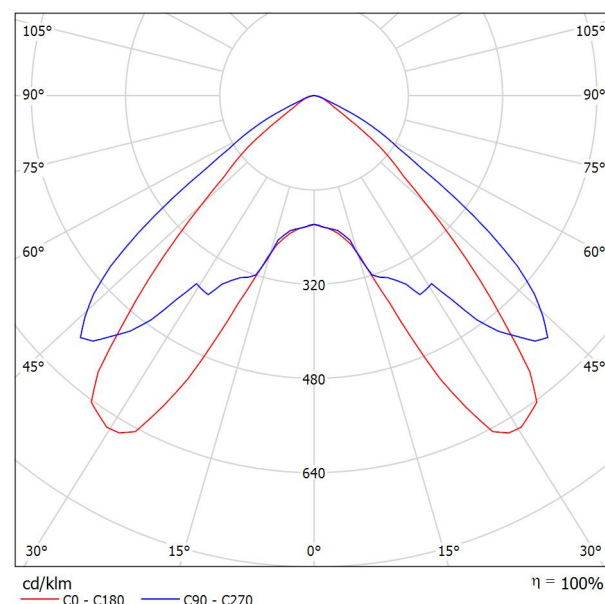


Operator  
Telephone  
Fax  
e-Mail

## AWEX LVPU/2W/B LVPU/2W/B / Luminaire Data Sheet

### Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 54 93 99 100 100

### Luminous emittance 1:

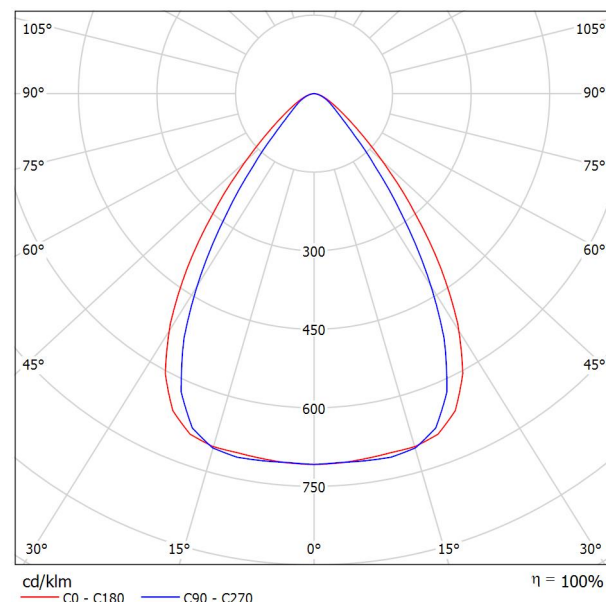
Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	25.7	26.9	26.0	27.2	27.4	33.9	35.1	34.2	35.4	35.6	
	3H	26.6	27.6	26.9	27.9	28.1	34.0	35.1	34.3	35.4	35.6	
	4H	27.0	28.0	27.3	28.3	28.5	34.0	35.0	34.3	35.3	35.6	
	6H	27.4	28.3	27.8	28.6	28.9	34.0	34.9	34.3	35.2	35.5	
	8H	27.5	28.4	27.9	28.7	29.0	33.9	34.8	34.3	35.1	35.4	
4H	12H	27.5	28.3	27.9	28.7	29.0	33.9	34.7	34.3	35.0	35.4	
	2H	26.6	27.6	27.0	27.9	28.2	33.8	34.8	34.1	35.1	35.4	
	3H	28.0	28.8	28.4	29.1	29.5	34.0	34.9	34.4	35.2	35.5	
	4H	28.7	29.4	29.0	29.7	30.1	34.0	34.8	34.4	35.1	35.5	
	6H	29.2	29.8	29.6	30.2	30.6	34.0	34.6	34.4	35.0	35.4	
8H	8H	29.3	29.9	29.7	30.3	30.7	34.0	34.6	34.4	34.9	35.4	
	12H	29.3	29.8	29.8	30.2	30.7	34.0	34.5	34.4	34.9	35.3	
	4H	29.3	29.9	29.7	30.3	30.7	34.1	34.6	34.5	35.0	35.4	
	6H	30.1	30.6	30.6	31.0	31.5	34.1	34.5	34.5	35.0	35.4	
	8H	30.2	30.7	30.7	31.1	31.6	34.0	34.5	34.5	34.9	35.4	
12H	12H	30.2	30.6	30.7	31.1	31.6	34.0	34.4	34.5	34.8	35.3	
	4H	29.3	29.8	29.8	30.2	30.7	34.1	34.6	34.5	35.0	35.4	
	6H	30.2	30.6	30.6	31.0	31.5	34.1	34.5	34.5	34.9	35.4	
	8H	30.3	30.7	30.8	31.1	31.6	34.0	34.4	34.5	34.9	35.4	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+1.5 / -2.6					+1.4 / -2.3					
S = 1.5H		+3.5 / -3.9					+3.0 / -3.1					
S = 2.0H		+5.0 / -4.7					+4.9 / -6.3					
Standard table		BK02					BK01					
Correction Summand		20.1					22.9					
Corrected Glare Indices referring to 280lm Total Luminous Flux												

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## PHILIPS RC120B LED37S/840 W60L60 VAR-PC / Luminaire Data Sheet

### Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 82 96 99 100 100

### Luminous emittance 1:

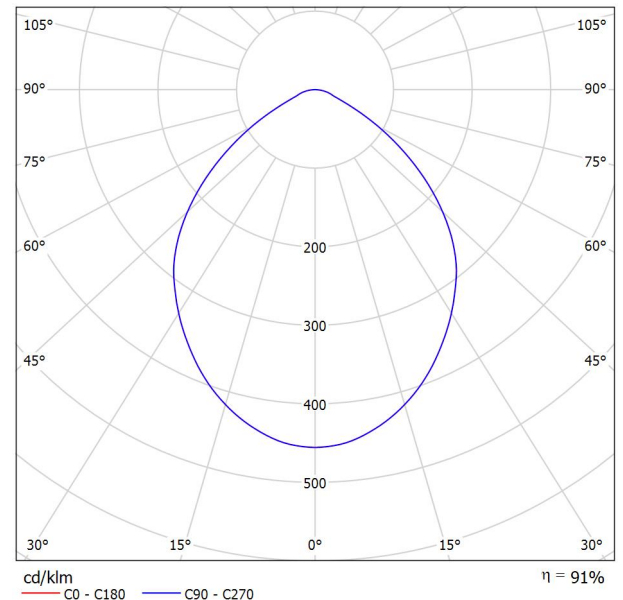
#### Glare Evaluation According to UGR

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	11.9	12.8	12.2	13.0	13.2	10.0	10.8	10.2	11.0	11.2
	3H	12.9	13.7	13.2	13.9	14.2	11.3	12.0	11.6	12.3	12.5
	4H	13.3	14.0	13.6	14.2	14.5	11.7	12.4	12.0	12.7	12.9
	6H	13.5	14.2	13.8	14.4	14.7	11.9	12.6	12.3	12.9	13.2
	8H	13.5	14.2	13.9	14.5	14.8	12.0	12.6	12.3	12.9	13.2
4H	12H	13.6	14.2	13.9	14.5	14.8	12.0	12.6	12.4	12.9	13.2
	2H	12.0	12.8	12.3	13.0	13.3	10.3	11.0	10.6	11.3	11.6
	3H	13.2	13.8	13.5	14.1	14.4	11.8	12.4	12.1	12.7	13.0
	4H	13.7	14.2	14.0	14.5	14.9	12.3	12.8	12.7	13.2	13.5
	6H	14.0	14.4	14.4	14.8	15.2	12.7	13.1	13.1	13.5	13.8
8H	8H	14.1	14.5	14.5	14.9	15.3	12.7	13.1	13.2	13.5	13.9
	12H	14.1	14.5	14.6	14.9	15.3	12.8	13.1	13.2	13.5	14.0
	4H	13.7	14.1	14.1	14.5	14.9	12.5	12.9	12.9	13.2	13.6
	6H	14.1	14.4	14.6	14.9	15.3	12.9	13.2	13.3	13.6	14.1
	8H	14.3	14.5	14.7	15.0	15.4	13.0	13.3	13.5	13.7	14.2
12H	12H	14.4	14.6	14.8	15.0	15.5	13.1	13.3	13.6	13.8	14.3
	4H	13.7	14.1	14.1	14.5	14.9	12.5	12.8	12.9	13.2	13.6
	6H	14.1	14.4	14.6	14.8	15.3	12.9	13.2	13.4	13.6	14.1
8H	14.3	14.5	14.8	15.0	15.5	13.1	13.3	13.5	13.7	14.2	
Variation of the observer position for the luminaire distances S											
S = 1.0H		+1.8 / -2.1					+1.9 / -2.0				
S = 1.5H		+3.8 / -3.0					+3.9 / -2.6				
S = 2.0H		+5.6 / -3.8					+5.6 / -3.1				
Standard table		BK01					BK02				
Correction Summand		-6.0					-7.2				
Corrected Glare Indices referring to 3700lm Total Luminous Flux											

Operator  
Telephone  
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## PHILIPS DN130B D217 1xLED20S/840 / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100  
CIE flux code: 61 91 98 100 91

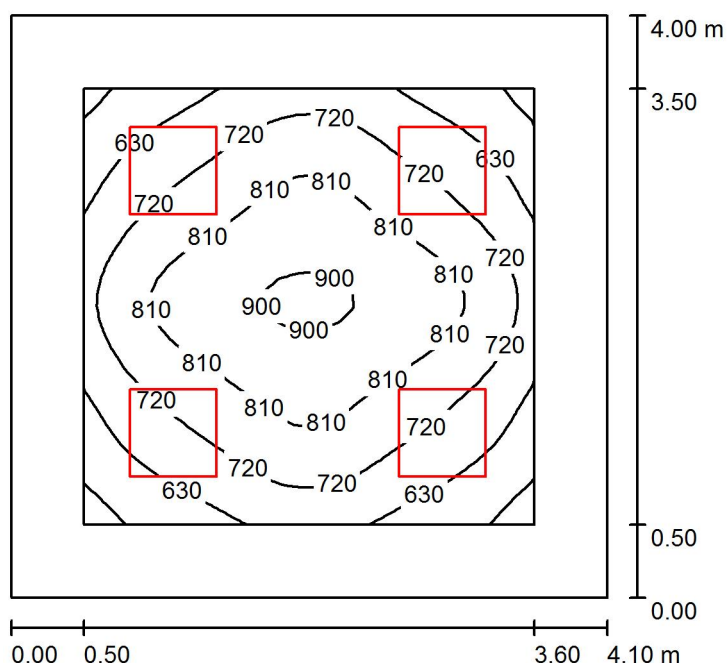
CoreLine Downlight – The clear choice for LED The CoreLine Downlight range of recessed luminaires is designed to replace CFL-ni/CFL-i based downlight luminaires. Their attractive TCO helps customers to make the switch to LED. These luminaires create a natural lighting effect for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally friendly solution. They are easy to install thanks to their standard cut-out size and push-in connectors.

Luminous emittance 1:

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	25.6	26.7	25.9	26.9	27.1	25.6	26.7	25.9	26.9	27.1
	3H	25.9	26.9	26.2	27.2	27.5	25.9	26.9	26.2	27.2	27.5
	4H	26.1	27.0	26.4	27.3	27.6	26.1	27.0	26.4	27.3	27.6
	6H	26.2	27.1	26.6	27.4	27.7	26.2	27.1	26.6	27.4	27.7
	8H	26.3	27.1	26.6	27.4	27.7	26.3	27.1	26.6	27.4	27.7
4H	12H	26.3	27.1	26.7	27.4	27.7	26.3	27.1	26.7	27.4	27.7
	2H	25.7	26.6	26.0	26.9	27.2	25.7	26.6	26.0	26.9	27.2
	3H	26.2	26.9	26.5	27.3	27.6	26.2	26.9	26.5	27.3	27.6
	4H	26.4	27.1	26.8	27.4	27.8	26.4	27.1	26.8	27.4	27.8
	6H	26.7	27.3	27.1	27.6	28.0	26.7	27.3	27.1	27.6	28.0
8H	8H	26.8	27.3	27.2	27.7	28.1	26.8	27.3	27.2	27.7	28.1
	12H	26.8	27.3	27.3	27.7	28.2	26.8	27.3	27.3	27.7	28.2
	4H	26.5	27.0	26.9	27.4	27.8	26.5	27.0	26.9	27.4	27.8
	6H	26.8	27.3	27.3	27.7	28.1	26.8	27.3	27.3	27.7	28.1
	8H	27.0	27.4	27.5	27.8	28.3	27.0	27.4	27.5	27.8	28.3
12H	12H	27.1	27.4	27.6	27.9	28.4	27.1	27.4	27.6	27.9	28.4
	4H	26.5	27.0	26.9	27.4	27.8	26.5	27.0	26.9	27.4	27.8
	6H	26.8	27.2	27.3	27.7	28.2	26.8	27.2	27.3	27.7	28.2
8H	27.0	27.4	27.5	27.8	28.3	27.0	27.4	27.5	27.8	28.3	
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.4 / -0.6					+0.4 / -0.6				
S = 1.5H		+0.9 / -1.7					+0.9 / -1.7				
S = 2.0H		+2.0 / -3.1					+2.0 / -3.1				
Standard table		BK02					BK02				
Correction		6.3					6.3				
Summand		6.3					6.3				
Corrected Glare Indices referring to 2500lm Total Luminous Flux											

Operator  
Telephone  
Fax  
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## Laboratorij / Summary



Height of Room: 2.860 m, Mounting Height: 2.860 m, Maintenance factor: 0.80

Values in Lux, Scale 1:52

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	734	493	913	0.671
Floor	20	531	277	813	0.523
Ceiling	70	90	65	104	0.720
Walls (4)	50	188	69	324	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

**Lengthways-**

13  
12

**Across**

11  
<10

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.235, Ceiling / Working Plane: 0.123.

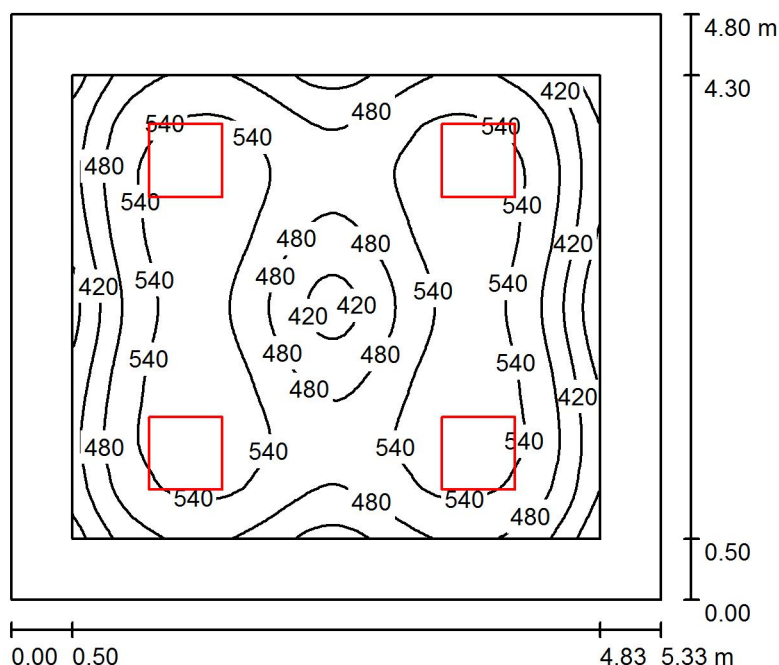
**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	4	PHILIPS RC120B LED37S/840 W60L60 VAR-PC (1.000)	3693	3700	31.0
Total:			14773	14800	124.0

Specific connected load:  $7.56 \text{ W/m}^2 = 1.03 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $16.40 \text{ m}^2$ )

Operator  
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e-Mail

## Uklonpica / Summary



Height of Room: 2.860 m, Mounting Height: 2.860 m, Maintenance factor: 0.80

Values in Lux, Scale 1:62

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u0$
Workplane	/	502	311	576	0.620
Floor	20	379	176	544	0.465
Ceiling	70	63	45	73	0.708
Walls (4)	50	122	48	241	/

### Workplane:

Height: 0.750 m  
Grid: 64 x 64 Points  
Boundary Zone: 0.500 m

### UGR

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

### Lengthways-

13  
13

### Across

11  
12

### to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.215, Ceiling / Working Plane: 0.126.

### Luminaire Parts List

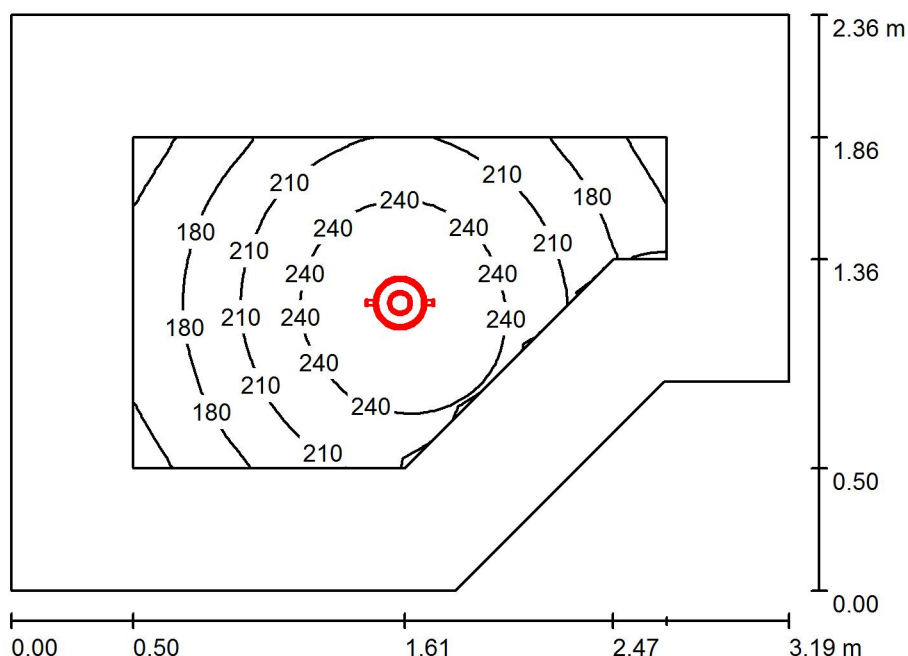
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	4	PHILIPS RC120B LED37S/840 W60L60 VAR-PC (1.000)	3693	3700	31.0
Total:			14773	14800	124.0

Specific connected load:  $4.85 \text{ W/m}^2 = 0.97 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $25.57 \text{ m}^2$ )



Operator  
Telephone  
Fax  
e-Mail

## Kupaonica / Summary



Height of Room: 2.860 m, Mounting Height: 2.860 m, Maintenance factor: 0.80

Values in Lux, Scale 1:31

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	210	138	266	0.654
Floor	20	121	77	158	0.638
Ceiling	70	31	19	39	0.626
Walls (6)	50	73	21	206	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.353, Ceiling / Working Plane: 0.147.

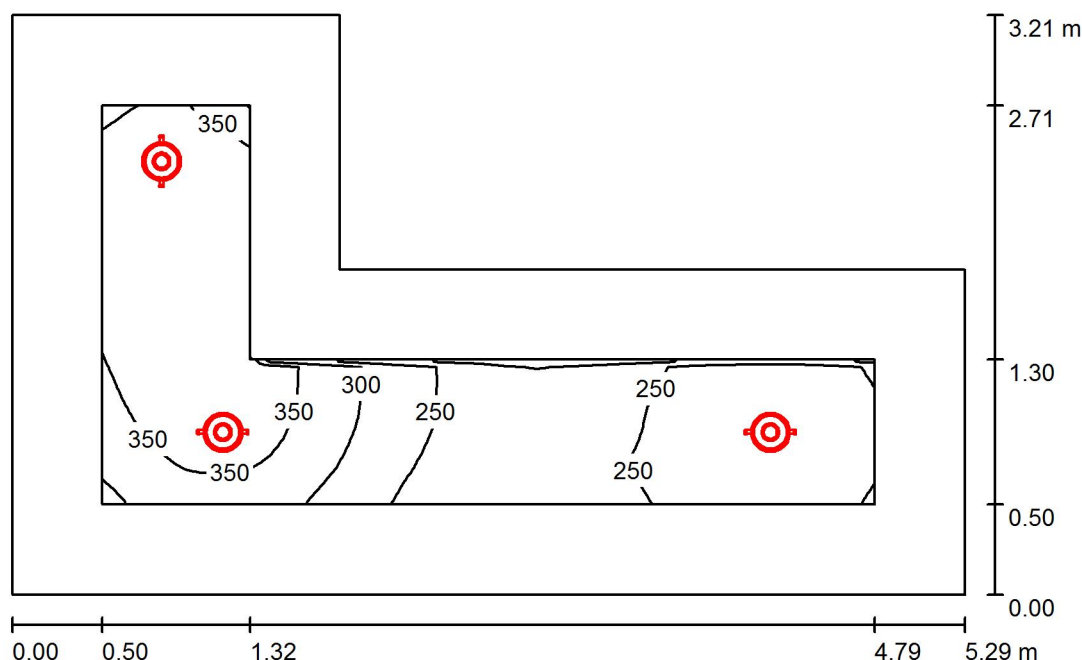
**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	1	PHILIPS DN130B D217 1xLED20S/840 (1.000)	2275	2500	22.0
Total:			2275	2500	22.0

Specific connected load:  $3.28 \text{ W/m}^2 = 1.56 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $6.71 \text{ m}^2$ )

Operator  
Telephone  
Fax  
e-Mail

## Garderoba za čisto rublje / Summary



Height of Room: 2.860 m, Mounting Height: 2.860 m, Maintenance factor: 0.80

Values in Lux, Scale 1:42

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	307	194	396	0.631
Floor	20	208	131	281	0.632
Ceiling	70	57	37	82	0.645
Walls (6)	50	133	42	336	/

### Workplane:

Height: 0.750 m  
Grid: 64 x 32 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.456, Ceiling / Working Plane: 0.184.

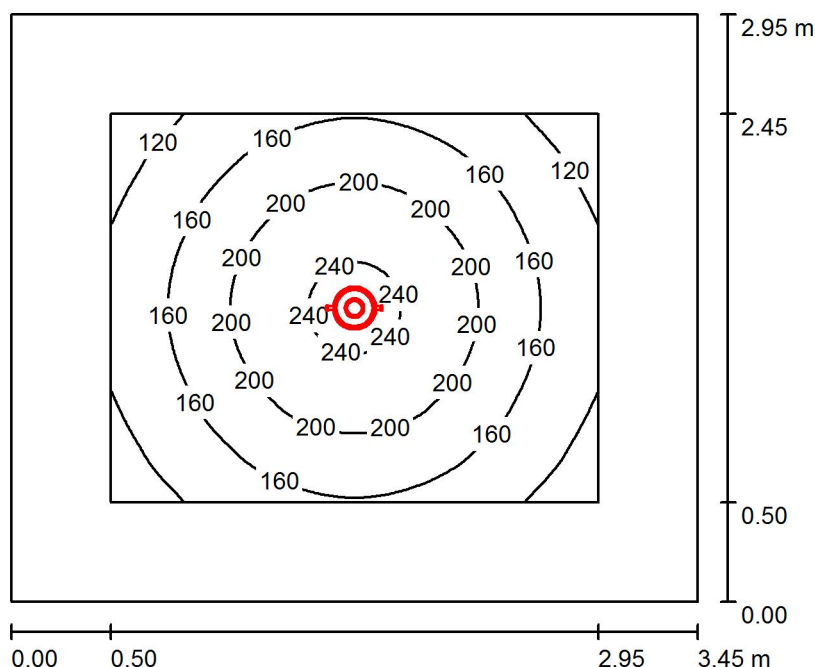
### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	3	PHILIPS DN130B D217 1xLED20S/840 (1.000)	2275	2500	22.0
Total:			6825	7500	66.0

Specific connected load:  $5.45 \text{ W/m}^2 = 1.77 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $12.10 \text{ m}^2$ )

Operator  
Telephone  
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e-Mail

## Spremište / Summary



Height of Room: 2.860 m, Mounting Height: 2.860 m, Maintenance factor: 0.80

Values in Lux, Scale 1:38

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	172	98	249	0.570
Floor	20	102	62	144	0.606
Ceiling	70	21	15	25	0.688
Walls (4)	50	50	15	101	/

### Workplane:

Height: 0.750 m  
Grid: 64 x 64 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.278, Ceiling / Working Plane: 0.123.

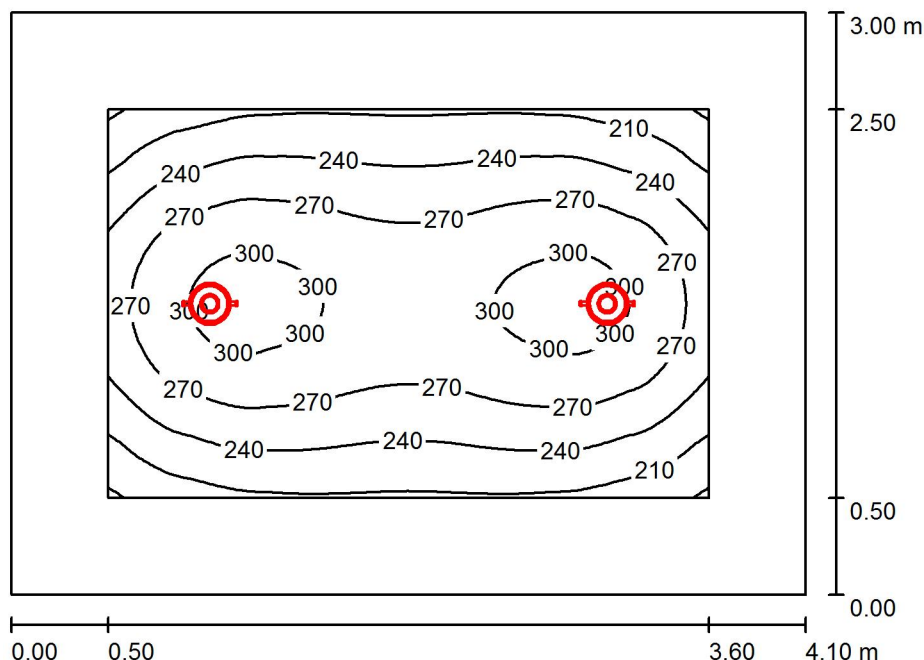
### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	1	PHILIPS DN130B D217 1xLED20S/840 (1.000)	2275	2500	22.0
Total:			2275	2500	22.0

Specific connected load:  $2.16 \text{ W/m}^2 = 1.26 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $10.18 \text{ m}^2$ )

Operator  
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e-Mail

## Dnevni boravak / Summary



Height of Room: 2.860 m, Mounting Height: 2.860 m, Maintenance factor: 0.80

Values in Lux, Scale 1:39

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u0$
Workplane	/	259	176	312	0.682
Floor	20	169	110	213	0.649
Ceiling	70	38	28	44	0.735
Walls (4)	50	90	29	204	/

### Workplane:

Height: 0.750 m  
Grid: 64 x 64 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.341, Ceiling / Working Plane: 0.149.

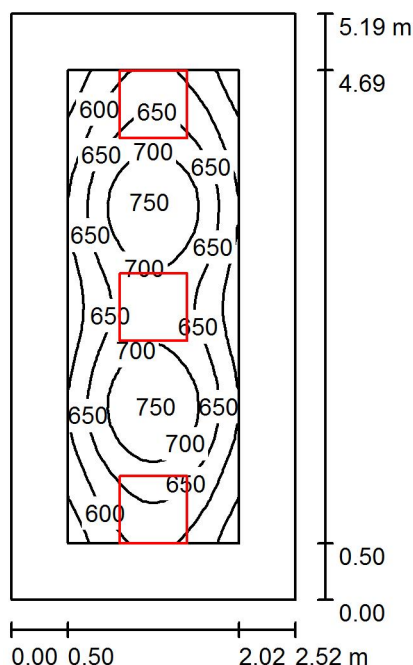
### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	2	PHILIPS DN130B D217 1xLED20S/840 (1.000)	2275	2500	22.0
Total:			4550	5000	44.0

Specific connected load:  $3.58 \text{ W/m}^2 = 1.38 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $12.30 \text{ m}^2$ )

Operator  
Telephone  
Fax  
e-Mail

## Mikrobiologija / Summary



Height of Room: 2.800 m, Mounting Height: 2.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:67

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	651	517	756	0.794
Floor	20	447	284	561	0.636
Ceiling	70	80	55	89	0.691
Walls (4)	50	178	60	372	/

**Workplane:**

Height: 0.750 m  
Grid: 16 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

## Lengthways-

12  
13

## Across

10  
11

## to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.255, Ceiling / Working Plane: 0.123.

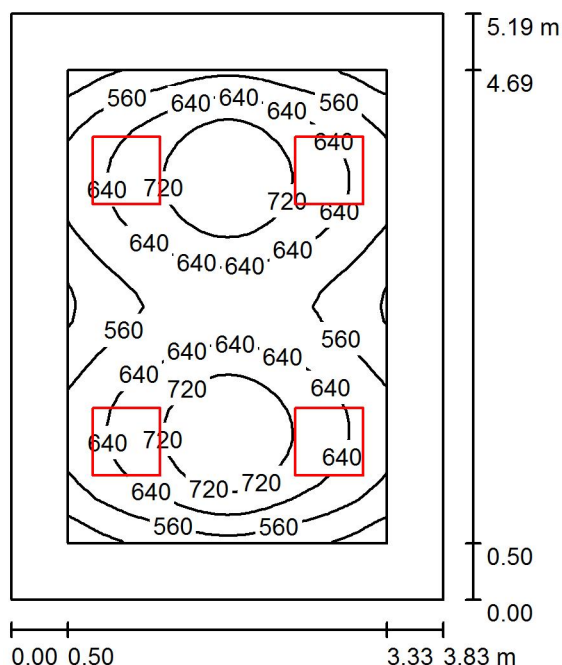
**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	3	PHILIPS RC120B LED37S/840 W60L60 VAR-PC (1.000)	3693	3700	31.0
Total:			11080	11100	93.0

Specific connected load:  $7.11 \text{ W/m}^2 = 1.09 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $13.08 \text{ m}^2$ )

Operator  
Telephone  
Fax  
e-Mail

## Kemija / Summary



Height of Room: 2.800 m, Mounting Height: 2.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:67

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u0$
Workplane	/	629	423	802	0.672
Floor	20	461	227	671	0.493
Ceiling	70	78	56	90	0.716
Walls (4)	50	157	58	326	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

Lengthways-

12  
13

Across

10  
11

to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.227, Ceiling / Working Plane: 0.124.

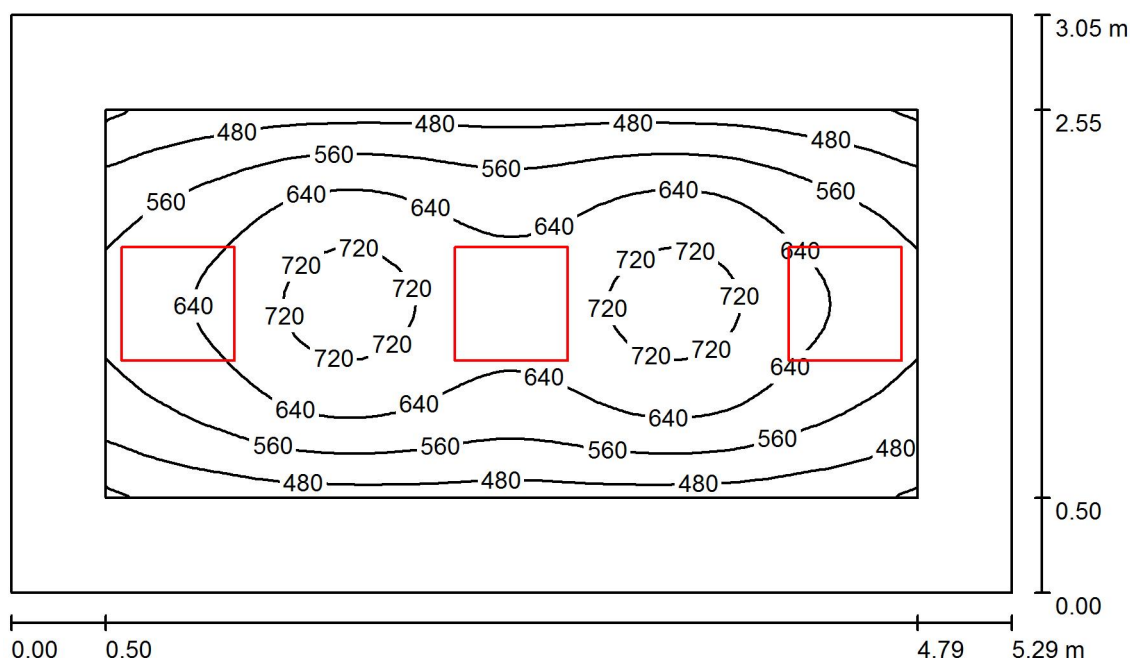
**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	4	PHILIPS RC120B LED37S/840 W60L60 VAR-PC (1.000)	3693	3700	31.0
Total:			14773	14800	124.0

Specific connected load:  $6.24 \text{ W/m}^2 = 0.99 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $19.88 \text{ m}^2$ )

Operator  
Telephone  
Fax  
e-Mail

## Ured / Summary



Height of Room: 2.800 m, Mounting Height: 2.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:40

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	599	391	753	0.652
Floor	20	407	218	548	0.535
Ceiling	70	67	49	77	0.724
Walls (4)	50	139	51	305	/

**Workplane:**

Height: 0.750 m  
Grid: 64 x 32 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.209, Ceiling / Working Plane: 0.112.

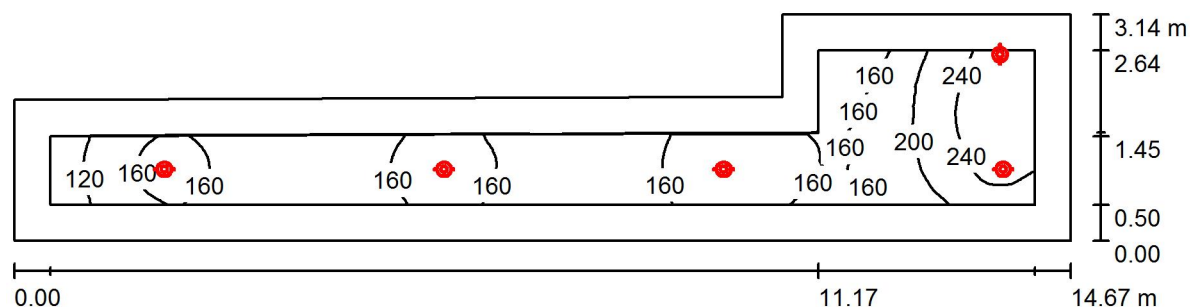
**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	3	PHILIPS RC120B LED37S/840 W60L60 VAR-PC (1.000)	3693	3700	31.0
Total:			11080	11100	93.0

Specific connected load:  $5.76 \text{ W/m}^2 = 0.96 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $16.13 \text{ m}^2$ )

Operator  
Telephone  
Fax  
e-Mail

## Hodnik i stubište / Summary



Height of Room: 2.800 m, Mounting Height: 2.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:105

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	171	95	268	0.554
Floor	20	157	65	264	0.413
Ceiling	70	39	21	72	0.544
Walls (6)	50	91	24	605	/

### Workplane:

Height: 0.000 m  
Grid: 128 x 64 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.530, Ceiling / Working Plane: 0.229.

### Luminaire Parts List

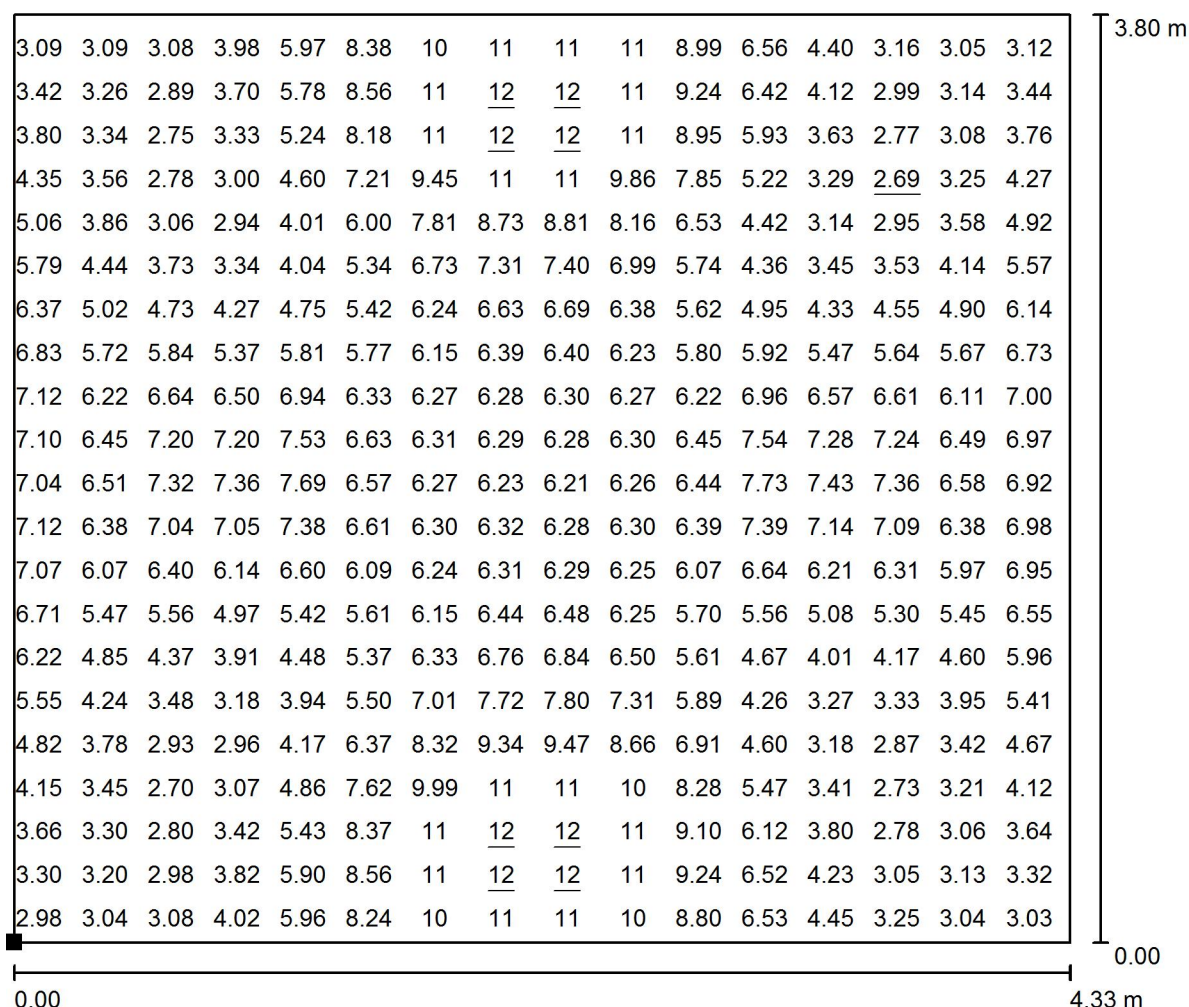
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	5	PHILIPS DN130B D217 1xLED20S/840 (1.000)	2275	2500	22.0
Total:			11375	12500	110.0

Specific connected load:  $3.27 \text{ W/m}^2 = 1.91 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $33.63 \text{ m}^2$ )



Operator  
Telephone  
Fax  
e-Mail

## Uklopnica - panika / Light scene 1 / Anti-panic Surface 1 / Value Chart (E, Perpendicular)



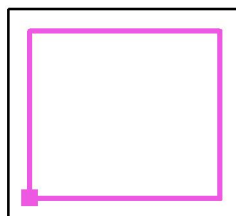
Values in Lux, Scale 1 : 31

Not all calculated values could be displayed.

Position of surface in room:

Marked point:

(7.670 m, 189.000 m, 0.000 m)



Grid: 64 x 64 Points

$E_{av}$  [lx]  
6.03

$E_{min}$  [lx]  
2.69

$E_{max}$  [lx]  
12

$u_0$   
0.446

$E_{min} / E_{max}$   
0.216