

**ПРОЕКТ ЗА ОСНОВЕН РЕМОНТ И МОДЕРНИЗИРАНЕ НА 3
ПОМЕЩЕНИЯ КЪМ ЛАБОРАТОРИЯ ПО „КОЛЕКТИВНА РОБОТИКА“ В
ГР. ПЛОВДИВ**

Проектант: инж. Васил Иванов

Date: 25.07.2019
Operator: инж. Васил Иванов

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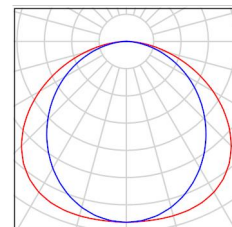
ПРОЕКТ ЗА ОСНОВЕН РЕМОНТ И МОДЕРНИЗИРАНЕ НА 3 ПОМЕЩЕНИЯ КЪМ ЛАБОРА...	
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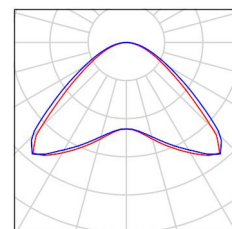
**ПРОЕКТ ЗА ОСНОВЕН РЕМОНТ И МОДЕРНИЗИРАНЕ НА 3 ПОМЕЩЕНИЯ КЪМ
ЛАБОРАТОРИЯ ПО „КОЛЕКТИВНА РОБОТИКА“ В ГР. ПЛОВДИВ / Luminaire parts
list**

3 Pieces PHILIPS RC132V W30L60 1 xLED18S/840 NOC
Article No.:
Luminous flux (Luminaire): 1800 lm
Luminous flux (Lamps): 1800 lm
Luminaire Wattage: 18.0 W
Luminaire classification according to CIE: 100
CIE flux code: 46 78 95 100 100
Fitting: 1 x LED18S/840/- (Correction Factor
1.000).

See our luminaire
catalog for an image of
the luminaire.

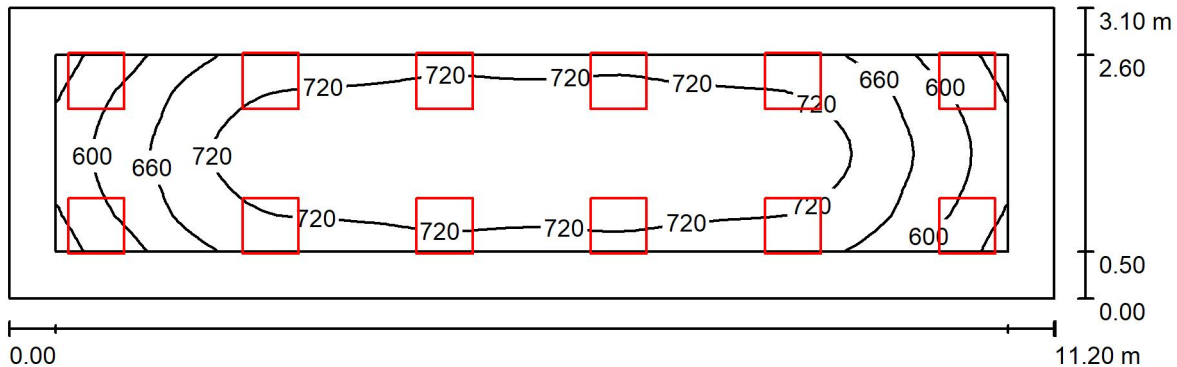


20 Pieces PHILIPS RC660B W60L60 1xLED35S/830 MO-
PC
Article No.:
Luminous flux (Luminaire): 3500 lm
Luminous flux (Lamps): 3500 lm
Luminaire Wattage: 32.0 W
Luminaire classification according to CIE: 100
CIE flux code: 50 87 98 100 100
Fitting: 1 x LED35S/830/- (Correction Factor
1.000).



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Стая 304 / Summary



Height of Room: 3.250 m, Mounting Height: 3.200 m, Maintenance factor: 0.80

Values in Lux, Scale 1:81

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	695	516	777	0.742
Floor	20	536	364	634	0.680
Ceiling	70	154	106	171	0.693
Walls (4)	50	364	118	700	/

Workplane:

 Height: 0.750 m
 Grid: 64 x 16 Points
 Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.544, Ceiling / Working Plane: 0.221.

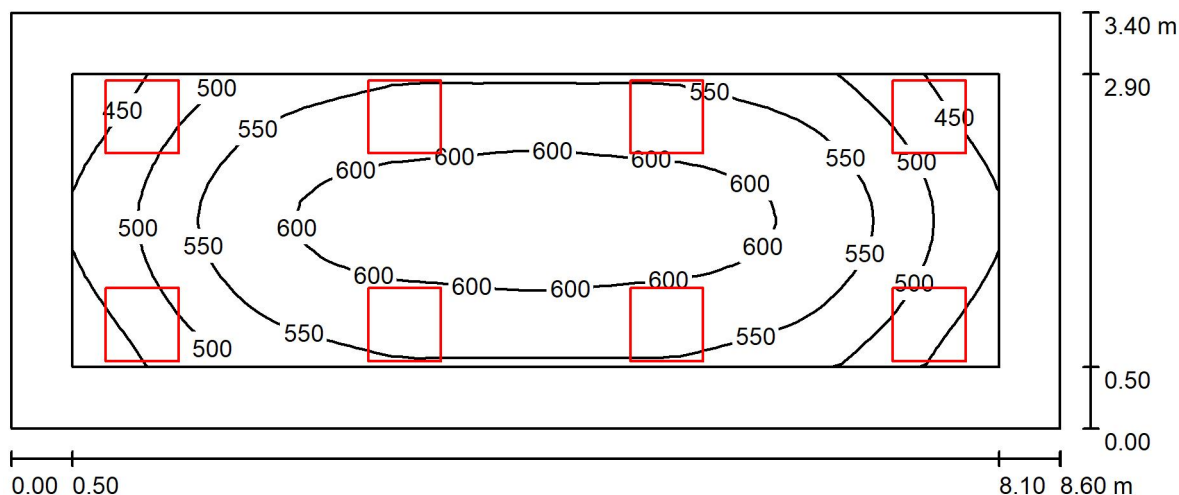
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	12	PHILIPS RC660B W60L60 1xLED35S/830 MO-PC (1.000)	3500	3500	32.0
Total:			42000	42000	384.0

 Specific connected load: $11.06 \text{ W/m}^2 = 1.59 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 34.72 m^2)

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Стая 305 и 306 / Summary



Height of Room: 3.250 m, Mounting Height: 3.282 m, Maintenance factor: 0.80

Values in Lux, Scale 1:62

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	549	407	625	0.741
Floor	20	421	287	505	0.683
Ceiling	70	123	95	137	0.770
Walls (4)	50	291	101	571	/

Workplane:

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

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.554, Ceiling / Working Plane: 0.224.

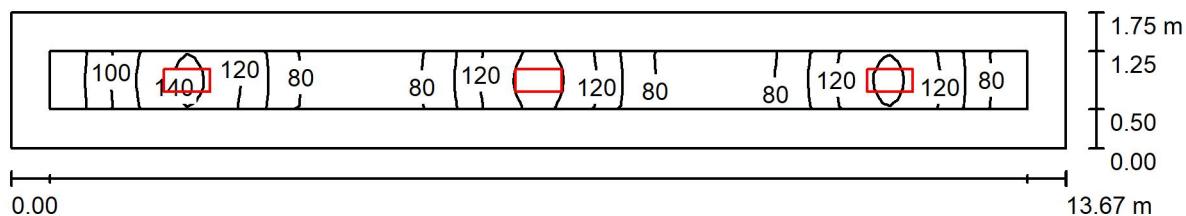
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	8	PHILIPS RC660B W60L60 1xLED35S/830 MO-PC (1.000)	3500	3500	32.0
Total:			28000	28000	256.0

Specific connected load: $8.76 \text{ W/m}^2 = 1.59 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 29.24 m^2)

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Коридор / Summary



Height of Room: 2.900 m, Mounting Height: 2.932 m, Maintenance factor: 0.80

Values in Lux, Scale 1:98

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	101	61	145	0.601
Floor	20	72	42	93	0.585
Ceiling	70	29	16	45	0.553
Walls (4)	50	61	20	248	/

Workplane:

Height: 0.750 m
 Grid: 128 x 8 Points
 Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.687, Ceiling / Working Plane: 0.285.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	3	PHILIPS RC132V W30L60 1 xLED18S/840 NOC (1.000)	1800	1800	18.0
Total:			5400	5400	54.0

Specific connected load: $2.26 \text{ W/m}^2 = 2.24 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 23.92 m^2)