

Ramsi LA 2. k

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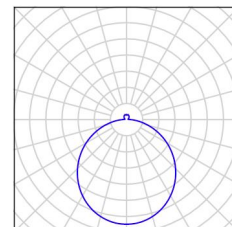
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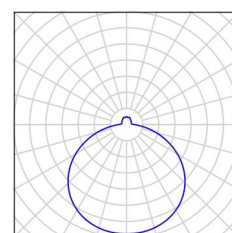
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Ramsi LA 2. k / Luminaire parts list

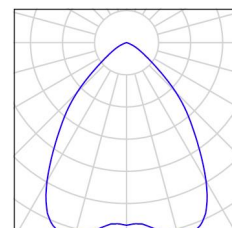
18 Pieces Glamox A20231320 A20-S420 LED 2400 830
Article No.: A20231320
Luminous flux (Luminaire): 2384 lm
Luminous flux (Lamps): 2367 lm
Luminaire Wattage: 32.0 W
Luminaire classification according to CIE: 94
CIE flux code: 46 77 94 94 101
Fitting: 1 x LED A20-S 2400 (Correction Factor 1.000).



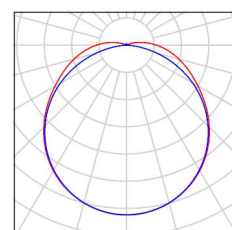
23 Pieces Glamox A20341320 A20-S620 LED 3500 830
Article No.: A20341320
Luminous flux (Luminaire): 3382 lm
Luminous flux (Lamps): 3383 lm
Luminaire Wattage: 39.0 W
Luminaire classification according to CIE: 91
CIE flux code: 42 74 93 91 100
Fitting: 1 x LED A20-620 3500 830 (Correction Factor 1.000).



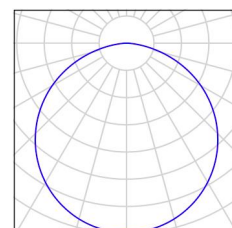
11 Pieces Glamox D70519142 D70-S155 LED 1400 840 SI
Article No.: D70519142
Luminous flux (Luminaire): 1563 lm
Luminous flux (Lamps): 1564 lm
Luminaire Wattage: 18.0 W
Luminaire classification according to CIE: 100
CIE flux code: 77 97 100 100 100
Fitting: 1 x LED D70 1400 840 (Correction Factor 1.000).



4 Pieces Glamox I20083545 i20-1200 LED 4600 840 OP
Article No.: I20083545
Luminous flux (Luminaire): 4617 lm
Luminous flux (Lamps): 4618 lm
Luminaire Wattage: 44.0 W
Luminaire classification according to CIE: 96
CIE flux code: 44 74 91 96 100
Fitting: 1 x LED i20 4600 (Correction Factor 1.000).



13 Pieces Glamox MOR213525 MODUL-R600 LED 4400 840 OP
Article No.: MOR213525
Luminous flux (Luminaire): 4388 lm
Luminous flux (Lamps): 4389 lm
Luminaire Wattage: 37.0 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED MO-R 4400 840 (Correction Factor 1.000).

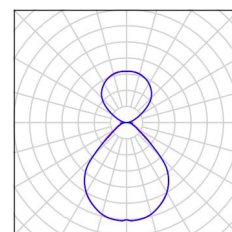


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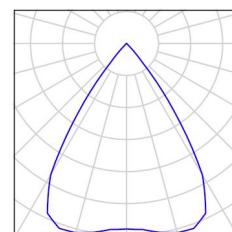
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Ramsi LA 2. k / Luminaire parts list

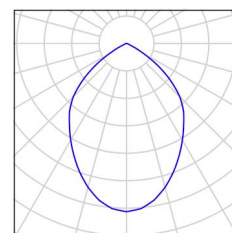
1 Pieces Glamox REP222224 REED-1500 40/60 LED
8100 840 MP
Article No.: REP222224
Luminous flux (Luminaire): 8334 lm
Luminous flux (Lamps): 8123 lm
Luminaire Wattage: 81.0 W
Luminaire classification according to CIE: 59
CIE flux code: 65 90 97 59 103
Fitting: 1 x LED Reed 8100 840 (Correction
Factor 1.000).



1 Pieces SITECO 2DN11K77VL336C Lunis 2® mini
Article No.: 2DN11K77VL336C
Luminous flux (Luminaire): 1630 lm
Luminous flux (Lamps): 1630 lm
Luminaire Wattage: 20.8 W
Luminaire classification according to CIE: 100
CIE flux code: 99 100 100 100 100
Fitting: 1 x LED 3000K / CRI >= 80 (Correction
Factor 1.000).



13 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI >= 80 (Correction
Factor 1.000).

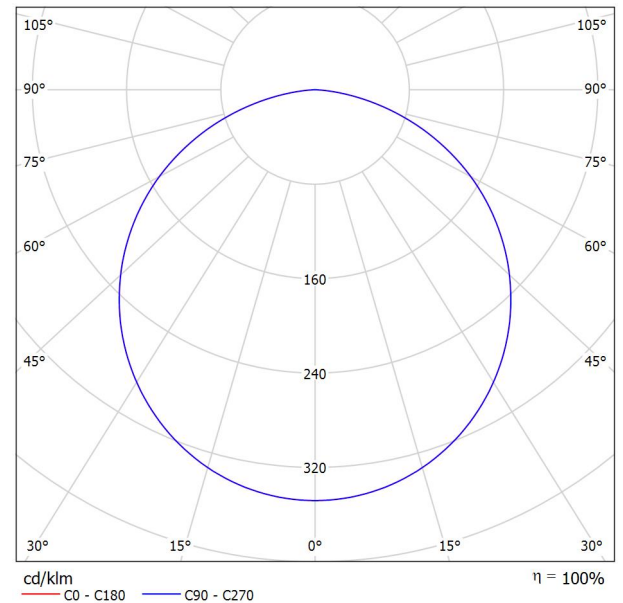


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Glamox MOR213525 MODUL-R600 LED 4400 840 OP / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
 CIE flux code: 47 79 96 100 100

Lyskilde

LED med følgende lumen ud værdier.
 MP optik. 600 modul> 4200 lumen ud.
 MP optik. 300 modul> 3400 lumen ud.
 OP optik. 600 modul> 4300 lumen ud.
 OP optik. 300 modul> 3600 lumen ud.
 Cirkulær lysåbning: CI/MP> 3200 lumen ud, CI/OP> 3500 lumen ud.

Forkobling

Leveres med elektronisk driver (HF) eller DALI.

Montering

For nem installation i synlig T-profil lofter.

LED varianter er IP44 nedefra, IP20 fra toppen.

Tilslutning

Kabelindgang fra siden. Kan leveres med kabel eller kabel og stik. 3 eller 5-polet push-in terminal blok. Linect stik kan leveres på forespørgsel.

Optik

Mikroprismatisk optik, MP.
 Opal optik, OP.
 Cirkulær lysåbning, CI/MP eller CI/OP.

BELASTNING OG SIKRINGER

Maksimum antal af modul Micro med LED på MCB 16A Type B: 11 stk, 16A Type C: 22 stk.

Luminous emittance 1:

Glare Evaluation According to UGR

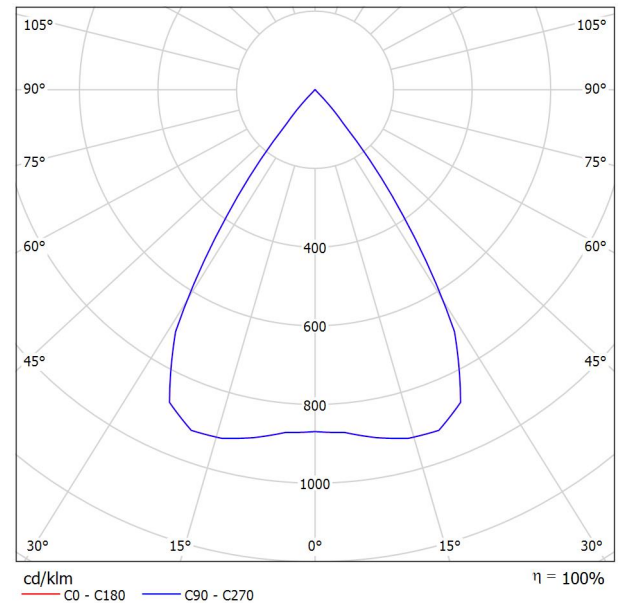
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	18.0	19.3	18.3	19.5	19.8	18.0	19.3	18.3	19.5	19.8
	3H	19.5	20.7	19.9	21.0	21.3	19.5	20.7	19.9	21.0	21.3
	4H	20.1	21.3	20.5	21.5	21.8	20.1	21.3	20.5	21.5	21.8
	6H	20.5	21.6	20.9	21.9	22.2	20.5	21.6	20.9	21.9	22.2
	8H	20.6	21.6	21.0	21.9	22.3	20.6	21.6	21.0	21.9	22.3
4H	12H	20.7	21.6	21.0	21.9	22.3	20.6	21.6	21.0	21.9	22.3
	2H	18.7	19.8	19.0	20.1	20.4	18.7	19.8	19.0	20.1	20.4
	3H	20.4	21.4	20.8	21.7	22.0	20.4	21.4	20.8	21.7	22.0
	4H	21.1	22.0	21.5	22.3	22.7	21.1	22.0	21.5	22.3	22.7
	6H	21.6	22.4	22.0	22.7	23.1	21.6	22.4	22.0	22.7	23.1
8H	12H	21.8	22.4	22.2	22.8	23.3	21.8	22.4	22.2	22.8	23.3
	2H	21.8	22.5	22.3	22.9	23.3	21.8	22.4	22.3	22.9	23.3
	4H	21.4	22.1	21.8	22.5	22.9	21.4	22.1	21.8	22.5	22.9
	6H	22.0	22.6	22.5	23.0	23.5	22.0	22.6	22.5	23.0	23.5
	8H	22.2	22.7	22.7	23.2	23.6	22.2	22.7	22.7	23.2	23.6
12H	12H	22.3	22.7	22.8	23.2	23.7	22.3	22.7	22.8	23.2	23.7
	4H	21.4	22.0	21.9	22.5	22.9	21.4	22.0	21.9	22.5	22.9
	6H	22.1	22.6	22.5	23.0	23.5	22.1	22.6	22.5	23.0	23.5
8H	8H	22.3	22.7	22.8	23.2	23.7	22.3	22.7	22.8	23.2	23.7
	8H	22.3	22.7	22.8	23.2	23.7	22.3	22.7	22.8	23.2	23.7
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.3					+0.2 / -0.4				
S = 2.0H		+0.4 / -0.7					+0.4 / -0.7				
Standard table		BK05					BK05				
Correction Summand		4.6					4.6				
Corrected Glare Indices referring to 4389lm Total Luminous Flux											

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SITECO 2DN11K77VL336C Lunis 2® mini / Luminaire Data Sheet

Luminous emittance 1:



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

2DN11K77VL336C

Lunis 2® mini, downlight, light control with darklight reflector, of plastic, aluminium vaporised, highly specular, CAT 2 ($L \leq 1000 \text{ cd/m}^2$), light emission: direct distribution, LED light colour: 830, control gear: ECG, with terminal, 2-pole, max. 1.5 mm^2 , mains connection: 230V, AC, 50Hz, luminaire housing, of plastic, white, diameter: 172 mm, recess depth: 155 mm, clamping range: 1..40mm, mounting ring, flat, of plastic, white, protection rating (complete): IP20, insulation class (complete): insulation class II (safety insulation), certification: CE, ENEC, VDE, permissible ambient temperature for indoor applications: $\leq +25^\circ\text{C}$

Test report number: 54954

Luminous emittance 1:

Glare Evaluation According to UGR

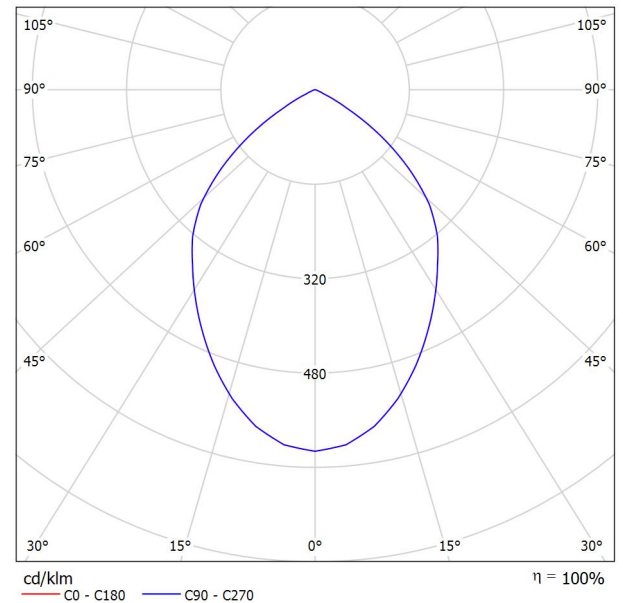
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	17.5	18.2	17.8	18.3	18.5	17.5	18.2	17.8	18.3	18.5
	3H	17.4	18.0	17.7	18.2	18.4	17.4	18.0	17.7	18.2	18.4
	4H	17.3	17.9	17.6	18.1	18.4	17.3	17.9	17.6	18.1	18.4
	6H	17.2	17.7	17.6	18.0	18.3	17.2	17.7	17.6	18.0	18.3
	8H	17.2	17.7	17.5	18.0	18.3	17.2	17.7	17.5	18.0	18.3
4H	12H	17.2	17.6	17.5	17.9	18.2	17.2	17.6	17.5	17.9	18.2
	2H	17.3	17.9	17.6	18.1	18.4	17.3	17.9	17.6	18.1	18.4
	3H	17.2	17.6	17.5	17.9	18.2	17.2	17.6	17.5	17.9	18.2
	4H	17.1	17.5	17.5	17.8	18.2	17.1	17.5	17.5	17.8	18.2
	6H	17.0	17.3	17.4	17.7	18.1	17.0	17.3	17.4	17.7	18.1
8H	8H	17.0	17.3	17.4	17.6	18.0	17.0	17.3	17.4	17.6	18.0
	12H	16.9	17.2	17.4	17.6	18.0	16.9	17.2	17.4	17.6	18.0
	4H	17.0	17.3	17.4	17.6	18.0	17.0	17.3	17.4	17.6	18.0
	6H	16.9	17.1	17.3	17.5	18.0	16.9	17.1	17.3	17.5	18.0
	8H	16.8	17.0	17.3	17.5	17.9	16.8	17.0	17.3	17.5	17.9
12H	12H	16.8	16.9	17.3	17.4	17.9	16.8	16.9	17.3	17.4	17.9
	4H	16.9	17.2	17.4	17.6	18.0	16.9	17.2	17.4	17.6	18.0
	6H	16.8	17.0	17.3	17.5	17.9	16.8	17.0	17.3	17.5	17.9
	8H	16.8	16.9	17.3	17.4	17.9	16.8	16.9	17.3	17.4	17.9
Variation of the observer position for the luminaire distances S											
S = 1.0H		+5.8 / -31.1					+5.8 / -31.1				
S = 1.5H		+8.6 / -32.1					+8.6 / -32.1				
S = 2.0H		+10.6 / -33.8					+10.6 / -33.8				
Standard table		BK00					BK00				
Correction Summand		-1.2					-1.2				
Corrected Glare Indices referring to 1630lm Total Luminous Flux											

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SITECO 5DN12K78VL3W3C Lunis 2® mini / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
 CIE flux code: 67 97 100 100 100

5DN12K78VL3W3C

Lunis 2® mini, downlight, light control with reflector, of plastic, aluminium vaporised, matt, light emission: direct distribution, LED light colour: 830, control gear: ECG, with Wieland GSTi3 18, 500mm cable, mains connection: 230V, AC, 50Hz, luminaire housing, of plastic, white, diameter: 172 mm, recess depth: 155 mm, clamping range: 1..40mm, mounting ring, flat, of plastic, white, protection rating (complete): IP20, insulation class (complete): insulation class I (protective earthing), certification: CE, ENEC, VDE, permissible ambient temperature for indoor applications: ≤ +25°C

Test report number: 51495

Luminous emittance 1:

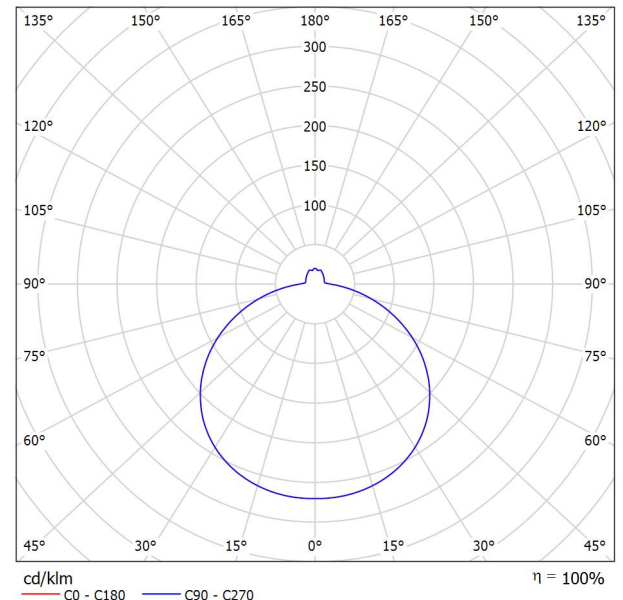
Glare Evaluation According to UGR													
ρ Ceiling	70	70	50	50	30	70	70	50	50	30			
ρ Walls	50	30	50	30	30	50	30	50	30	30			
ρ Floor	20	20	20	20	20	20	20	20	20	20			
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis							
2H	2H	21.3	22.3	21.6	22.5	21.3	22.3	21.6	22.5	22.7			
	3H	21.2	22.1	21.5	22.3	21.2	22.1	21.5	22.3	22.6			
	4H	21.1	22.0	21.4	22.2	21.1	22.0	21.4	22.2	22.5			
	6H	21.0	21.8	21.4	22.1	22.4	21.0	21.8	21.4	22.1	22.4		
	8H	21.0	21.8	21.4	22.1	22.4	21.0	21.8	21.4	22.1	22.4		
4H	12H	21.0	21.7	21.3	22.0	22.3	21.0	21.7	21.3	22.0	22.3		
	2H	21.3	22.1	21.6	22.4	22.7	21.3	22.1	21.6	22.4	22.7		
	3H	21.2	21.9	21.5	22.2	22.5	21.2	21.9	21.5	22.2	22.5		
	4H	21.1	21.7	21.5	22.1	22.4	21.1	21.7	21.5	22.1	22.4		
	6H	21.0	21.6	21.5	21.9	22.3	21.0	21.6	21.5	21.9	22.3		
8H	12H	21.0	21.5	21.4	21.9	22.3	21.0	21.5	21.4	21.9	22.3		
	2H	21.0	21.4	21.4	21.8	22.2	21.0	21.4	21.4	21.8	22.2		
	4H	21.0	21.5	21.4	21.9	22.3	21.0	21.5	21.4	21.9	22.3		
	6H	20.9	21.3	21.4	21.7	22.2	20.9	21.3	21.4	21.7	22.2		
	8H	20.9	21.2	21.4	21.7	22.1	20.9	21.2	21.4	21.7	22.1		
12H	20.9	21.1	21.3	21.6	22.1	20.9	21.1	21.3	21.6	22.1			
	4H	21.0	21.4	21.4	21.8	22.2	21.0	21.4	21.4	21.8	22.2		
	6H	20.9	21.2	21.4	21.7	22.1	20.9	21.2	21.4	21.7	22.1		
	8H	20.8	21.1	21.3	21.6	22.1	20.8	21.1	21.3	21.6	22.1		
Variation of the observer position for the luminaire distances S													
S = 1.0H		+0.8 / -1.4				+0.8 / -1.4							
S = 1.5H		+1.9 / -7.0				+1.9 / -7.0							
S = 2.0H		+3.7 / -12.4				+3.7 / -12.4							
Standard table		BK00				BK00							
Correction		2.8				2.8							
Summand		2.8				2.8							
Corrected Glare Indices referring to 880lm Total Luminous Flux													

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Glamox A20341320 A20-S620 LED 3500 830 / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 91
 CIE flux code: 42 74 93 91 100

Lyskilde

LED

Levetid: Minimum 50 000 timer, L70, Max Ta

A20-S320:

LED 1300 lumen ud

A20-S420:

LED 2400 lumen ud

For præcise lumen værdier se databladet på varenr. niveau

Konventionel med kompakte lysstofrør

A20-S320:

1 x T5-C 22W

A20-S420:

1 x T5-C 22, 40, 55W

1 x T5-C 22 40W

A20-S620:

3 x TC-L 36W

Leveres uden lyskilder.

Forkobling

Elektronisk forkobling (HF), analog dæmpning (HFDa), digital dæmpning (HFDd) eller DALI.

Materiale & farve

Armaturhus i støbt aluminium, malet i polyester-pulverlak i sølvgrå (RAL 9006). Opal satin akryl afskærmning.

Montering

Armatur til montering på væg eller loft.

Tilslutning

5-polet push-in klemme forberedt for gennemgangskobling.

Integrerede sensorer

Ultrasonisk bevægelsessensor type U-SEN.

Luminous emittance 1:

Glare Evaluation According to UGR

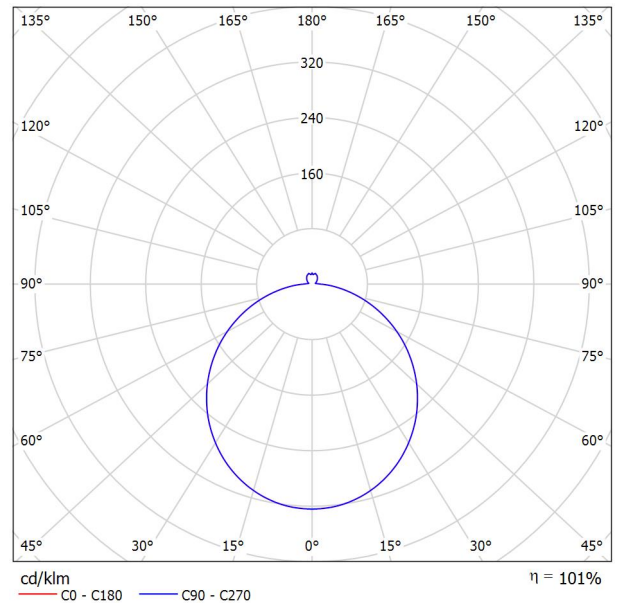
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15.4	16.7	15.9	17.1	17.5	15.4	16.7	15.9	17.1	17.5
	3H	17.2	18.4	17.7	18.8	19.3	17.2	18.4	17.7	18.8	19.3
	4H	18.0	19.1	18.5	19.5	20.0	18.0	19.1	18.5	19.5	20.0
	6H	18.7	19.7	19.2	20.1	20.7	18.7	19.7	19.2	20.1	20.7
	8H	19.0	19.9	19.5	20.4	20.9	19.0	19.9	19.5	20.4	20.9
12H	19.2	20.2	19.7	20.6	21.2	19.2	20.2	19.7	20.6	21.2	
4H	2H	16.2	17.2	16.6	17.7	18.2	16.2	17.2	16.6	17.7	18.2
	3H	18.1	19.0	18.6	19.5	20.1	18.1	19.0	18.6	19.5	20.1
	4H	19.0	19.9	19.6	20.4	20.9	19.0	19.9	19.6	20.4	20.9
	6H	19.9	20.6	20.4	21.1	21.7	19.9	20.6	20.4	21.1	21.7
	8H	20.2	20.9	20.8	21.5	22.1	20.2	20.9	20.8	21.5	22.1
12H	20.6	21.2	21.2	21.8	22.4	20.6	21.2	21.2	21.8	22.4	
8H	4H	19.4	20.1	20.0	20.6	21.2	19.4	20.1	20.0	20.6	21.2
	6H	20.4	21.0	21.0	21.6	22.2	20.4	21.0	21.0	21.6	22.2
	8H	20.9	21.4	21.5	22.0	22.7	20.9	21.4	21.5	22.0	22.7
	12H	21.4	21.8	22.0	22.4	23.1	21.4	21.8	22.0	22.4	23.1
	4H	19.5	20.1	20.0	20.6	21.2	19.5	20.1	20.0	20.6	21.2
6H	20.5	21.0	21.1	21.6	22.3	20.5	21.0	21.1	21.6	22.3	
8H	21.1	21.5	21.7	22.1	22.8	21.1	21.5	21.7	22.1	22.8	
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.3					+0.2 / -0.3				
S = 2.0H		+0.3 / -0.5					+0.3 / -0.5				
Standard table		BK07					BK07				
Correction Summand		4.2					4.2				
Corrected Glare Indices referring to 3383lm Total Luminous Flux											

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Glamox A20231320 A20-S420 LED 2400 830 / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 94
 CIE flux code: 46 77 94 94 101

Lyskilde

LED

Levetid: Minimum 50 000 timer, L70, Max Ta

A20-S320:

LED 1300 lumen ud

A20-S420:

LED 2400 lumen ud

For præcise lumen værdier se databladet på varenr. niveau

Konventionel med kompakte lysstofrør

A20-S320:

1 x T5-C 22W

A20-S420:

1 x T5-C 22, 40, 55W

1 x T5-C 22 40W

A20-S620:

3 x TC-L 36W

Leveres uden lyskilder.

Forkobling

Elektronisk forkobling (HF), analog dæmpning (HFDa), digital dæmpning (HFDd) eller DALI.

Materiale & farve

Armaturhus i støbt aluminium, malet i polyester-pulverlak i sølvgrå (RAL 9006). Opal satin akryl afskærmning.

Montering

Armatur til montering på væg eller loft.

Tilslutning

5-polet push-in klemme forberedt for gennemgangskobling.

Integrerede sensorer

Ultrasonisk bevægelsessensor type U-SEN.

Luminous emittance 1:

Glare Evaluation According to UGR

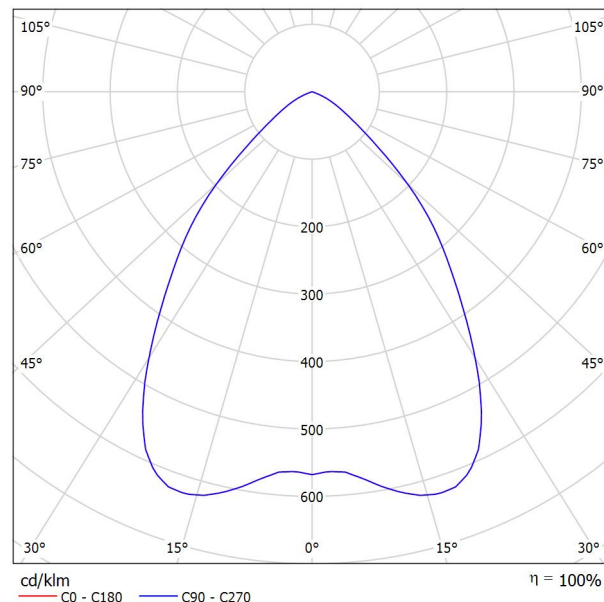
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	17.3	18.5	17.6	18.9	19.2	17.3	18.5	17.6	18.9	19.2
	3H	18.9	20.1	19.3	20.5	20.8	18.9	20.1	19.3	20.5	20.8
	4H	19.7	20.7	20.1	21.1	21.5	19.7	20.7	20.1	21.1	21.5
	6H	20.3	21.3	20.7	21.7	22.1	20.3	21.3	20.7	21.7	22.1
	8H	20.5	21.5	21.0	21.9	22.4	20.5	21.5	21.0	21.9	22.4
4H	12H	20.8	21.7	21.2	22.1	22.6	20.8	21.7	21.2	22.1	22.6
	2H	18.0	19.0	18.4	19.4	19.8	18.0	19.0	18.4	19.4	19.8
	3H	19.8	20.8	20.3	21.2	21.6	19.8	20.8	20.3	21.2	21.6
	4H	20.7	21.5	21.2	22.0	22.5	20.7	21.5	21.2	22.0	22.5
	6H	21.5	22.2	22.0	22.7	23.2	21.5	22.2	22.0	22.7	23.2
8H	12H	21.8	22.4	22.3	22.9	23.5	21.8	22.4	22.3	22.9	23.5
	2H	22.1	22.7	22.6	23.2	23.8	22.1	22.7	22.6	23.2	23.8
	4H	21.0	21.7	21.6	22.2	22.7	21.0	21.7	21.6	22.2	22.7
	6H	22.0	22.5	22.5	23.1	23.6	22.0	22.5	22.5	23.1	23.6
	8H	22.4	22.9	23.0	23.5	24.1	22.4	22.9	23.0	23.5	24.1
12H	12H	22.9	23.3	23.4	23.8	24.5	22.9	23.3	23.4	23.8	24.5
	4H	21.1	21.7	21.6	22.2	22.8	21.1	21.7	21.6	22.2	22.8
	6H	22.1	22.6	22.7	23.1	23.7	22.1	22.6	22.7	23.1	23.7
8H	8H	22.6	23.0	23.2	23.6	24.2	22.6	23.0	23.2	23.6	24.2
	12H	22.6	23.0	23.2	23.6	24.2	22.6	23.0	23.2	23.6	24.2
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.3					+0.2 / -0.3				
S = 2.0H		+0.3 / -0.6					+0.3 / -0.6				
Standard table		BK07					BK07				
Correction		5.7					5.7				
Summand											
Corrected Glare Indices referring to 2367lm Total Luminous Flux											

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Glamox D70519142 D70-S155 LED 1400 840 SI / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
 CIE flux code: 77 97 100 100 100

Lyskilde

LED

Farve tolerancer: MacAdams 3.

Farvegengivelse: CRI 80 CRI 90 på forespørgsel.

Levetid: Minimum 50 000 timer, L70, Max Ta.

S155: LED 1100, LED 1400.

S195: LED 2200, LED 3000.

For præcise lumen værdier se databladet på varenummer-niveau.

Forkobling

Standard (HF), DALI dæmbar (100-1%).

Materiale & farve

Reflektorhus i trykstøbt aluminium, metalliseret PC reflektor og driverhus i polycarbonat.

Montering

Til montering direkte på loft eller lampeudtag ved brug af integreret adapter.

Tilslutning

5-polet 2,5 mm² push-in terminal blok forberedt for gennemfortrådning.

Optik

Reflektor kan leveres i mat (SM), højglans (SI) eller faseteret højglans (SF) overflade.

Luminous emittance 1:

Glare Evaluation According to UGR

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p 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	21.7	22.6	21.9	22.8	23.0	21.7	22.6	21.9	22.8	23.0
	3H	21.6	22.5	21.9	22.7	22.9	21.6	22.5	21.9	22.7	22.9
	4H	21.6	22.3	21.9	22.6	22.9	21.6	22.3	21.9	22.6	22.9
	6H	21.5	22.2	21.8	22.5	22.8	21.5	22.2	21.8	22.5	22.8
	8H	21.5	22.1	21.8	22.4	22.7	21.5	22.1	21.8	22.4	22.7
4H	12H	21.4	22.1	21.8	22.4	22.7	21.4	22.1	21.8	22.4	22.7
	2H	21.6	22.4	22.0	22.7	22.9	21.6	22.4	22.0	22.7	22.9
	3H	21.6	22.3	22.0	22.6	22.9	21.6	22.3	22.0	22.6	22.9
	4H	21.6	22.1	21.9	22.4	22.8	21.6	22.1	21.9	22.4	22.8
	6H	21.5	22.0	21.9	22.3	22.7	21.5	22.0	21.9	22.3	22.7
8H	8H	21.4	21.9	21.9	22.3	22.7	21.4	21.9	21.9	22.3	22.7
	12H	21.4	21.8	21.8	22.2	22.6	21.4	21.8	21.8	22.2	22.6
	4H	21.5	21.9	21.9	22.3	22.7	21.5	21.9	21.9	22.3	22.7
	6H	21.4	21.7	21.8	22.1	22.6	21.4	21.7	21.8	22.1	22.6
	8H	21.3	21.6	21.8	22.1	22.5	21.3	21.6	21.8	22.1	22.5
12H	12H	21.3	21.5	21.8	22.0	22.5	21.3	21.5	21.8	22.0	22.5
	4H	21.4	21.8	21.8	22.2	22.6	21.4	21.8	21.8	22.2	22.6
	6H	21.3	21.6	21.8	22.1	22.5	21.3	21.6	21.8	22.1	22.5
8H	8H	21.3	21.5	21.8	22.0	22.5	21.3	21.5	21.8	22.0	22.5
	12H	21.3	21.5	21.8	22.0	22.5	21.3	21.5	21.8	22.0	22.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+1.3 / -3.0					+1.3 / -3.0				
S = 1.5H		+3.0 / -5.3					+3.0 / -5.3				
S = 2.0H		+4.7 / -9.3					+4.7 / -9.3				
Standard table		BK00					BK00				
Correction		3.2					3.2				
Summand											
Corrected Glare Indices referring to 1564lm Total Luminous Flux											

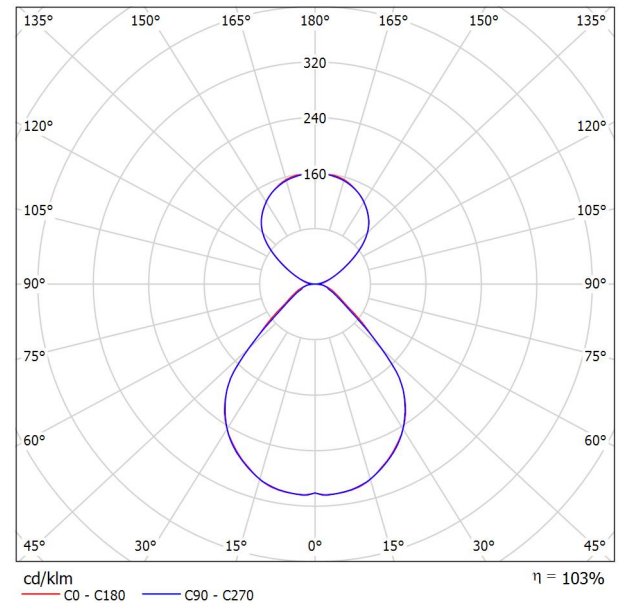
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Glamox REP222224 REED-1500 40/60 LED 8100 840 MP / Luminaire Data Sheet



Luminous emittance 1:



Luminaire classification according to CIE: 59
 CIE flux code: 65 90 97 59 103

Lyskilde

1 x T5 28, 35, 49, 54, 80W.

Kan leveres med eller uden lyskilde.

LED

CC=1200mm 5200lm ud (50/50) eller 6000lm ud (40/60).

Forkobling

Elektronisk forkobling (HF), analog dæmpning (HFDa), digital dæmpning (HFDd) eller DALI.
 Standard (HF) eller DALI på LED varianter.

Materiale & farve

Hvid, sølv grå eller sort lakeret armaturhus i aluminiums og med endestykker i støbt aluminium.

Montering

Unikt ophængssystem med enkelt, hurtig justering wire i den ene ende og tilgangskablet fungerer som ophæng i den modsatte ende. Ophæng leveres altid med armaturet (PRE). Kan leveres til rækkemontage.

Tilslutning

Leveres med præ-monterede 3 eller 5 leder kabel eller kabel og stik.

Optik

Høj kvalitetet mikropigmatisk optik MP i kombination med effektiv sølv reflektor.

Integreret nødlys

LED nødlys type self test (ST) og adresserbare DALI (DALI).

Integrerede sensorer

Single tilstedeværelse sensor type S-SEN, master / slave tilstedeværelse sensor med korridor funktion type M-SEN og en kombination af tilstedeværelse og dagslys sensor type D-SEN.

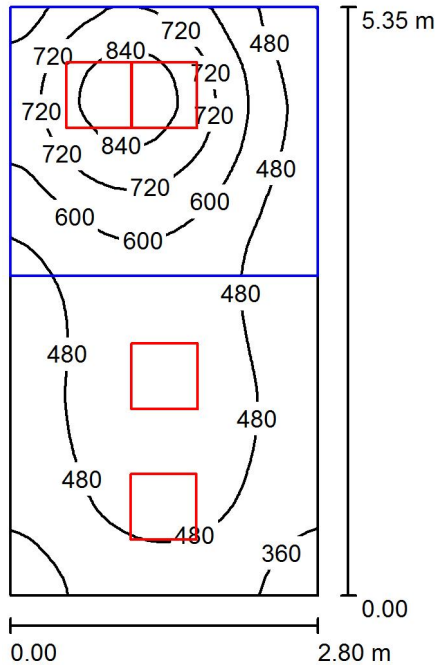
Luminous emittance 1:

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	15.8	16.5	16.6	17.3	18.3	15.7	16.5	16.5	17.3
	3H	16.3	17.0	17.1	17.8	18.8	16.2	16.8	17.0	17.7
	4H	16.6	17.2	17.4	18.0	19.1	16.4	17.1	17.3	17.9
	6H	16.9	17.5	17.8	18.3	19.4	16.8	17.3	17.6	18.2
	8H	17.1	17.6	17.9	18.5	19.5	17.0	17.5	17.8	18.4
4H	12H	17.2	17.7	18.1	18.6	19.7	17.1	17.6	18.0	18.5
	2H	15.8	16.4	16.6	17.2	18.3	15.8	16.4	16.6	17.2
	3H	16.5	17.0	17.4	17.9	19.0	16.5	17.0	17.4	17.9
	4H	17.0	17.4	17.9	18.3	19.4	16.9	17.4	17.8	18.3
	6H	17.5	17.9	18.4	18.8	19.9	17.4	17.8	18.3	18.7
8H	12H	17.7	18.1	18.7	19.0	20.2	17.7	18.1	18.7	19.0
	12H	18.0	18.3	18.9	19.2	20.4	18.0	18.3	18.9	19.3
	4H	17.1	17.5	18.0	18.4	19.5	17.1	17.4	18.0	18.3
	6H	17.8	18.1	18.8	19.0	20.2	17.8	18.1	18.7	19.0
	8H	18.2	18.4	19.1	19.4	20.6	18.2	18.5	19.2	19.4
12H	12H	18.5	18.8	19.5	19.7	20.9	18.7	18.9	19.7	19.9
	4H	17.1	17.4	18.1	18.4	19.5	17.1	17.4	18.0	18.3
	6H	17.9	18.1	18.8	19.1	20.3	17.8	18.1	18.8	19.0
	8H	18.3	18.5	19.3	19.5	20.7	18.4	18.6	19.3	19.5
	12H	18.5	18.8	19.5	19.7	20.9	18.7	18.9	19.7	19.9
Variation of the observer position for the luminaire distances S										
S = 1.0H	+0.5 / -0.6					+0.5 / -0.6				
S = 1.5H	+1.1 / -0.9					+1.1 / -1.0				
S = 2.0H	+2.1 / -1.3					+2.0 / -1.5				
Standard table	BK04					BK05				
Correction Summand	1.8					2.3				
Corrected Glare Indices referring to 8123lm Total Luminous Flux										

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Room 202 / Summary



Height of Room: 3.160 m, Light loss factor: 0.80

Values in Lux, Scale 1:69

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	545	320	914	0.587
Floor	20	413	257	552	0.622
Ceiling	70	59	1.05	138	0.018
Walls (4)	50	297	14	1057	/

Workplane:

Height: 0.850 m
Grid: 32 x 64 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	4	Glamox MOR213525 MODUL-R600 LED 4400 840 OP (1.000)	4388	4389	37.0
Total:			17551	17556	148.0

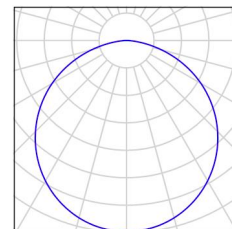
Specific connected load: $9.88 \text{ W/m}^2 = 1.81 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 14.98 m^2)

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Room 202 / Luminaire parts list

4 Pieces Glamox MOR213525 MODUL-R600 LED 4400
840 OP
Article No.: MOR213525
Luminous flux (Luminaire): 4388 lm
Luminous flux (Lamps): 4389 lm
Luminaire Wattage: 37.0 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED MO-R 4400 840 (Correction
Factor 1.000).



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Room 202 / Photometric Results

Total Luminous Flux: 17551 lm
 Total Load: 148.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	413	131	545	/	/
Floor	286	127	413	20	26
Ceiling	0.00	59	59	70	13
Wall 1	184	114	298	50	47
Wall 2	156	112	268	50	43
Wall 3	244	105	349	50	56
Wall 4	189	110	299	50	48

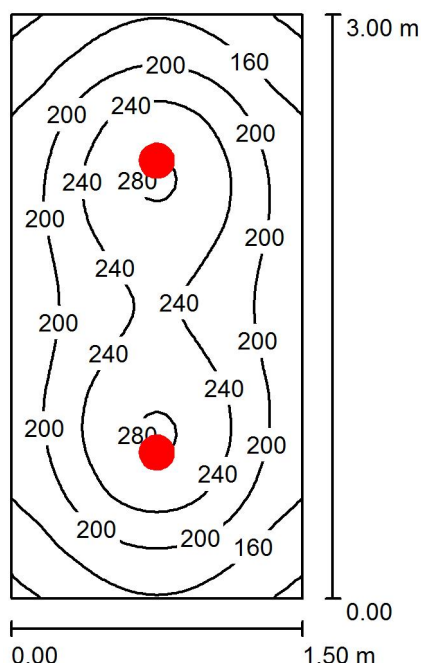
Uniformity on the working plane
 u_0 : 0.587 (1:2)
 $E_{\min} / E_{\max}$: 0.350 (1:3)

Specific connected load: $9.88 \text{ W/m}^2 = 1.81 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 14.98 m^2)

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Room 203 / Summary



Height of Room: 2.500 m, Mounting Height: 2.260 m, Light loss factor: 0.80

Values in Lux, Scale 1:39

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	208	114	285	0.549
Floor	20	136	95	160	0.701
Ceiling	70	30	22	36	0.733
Walls (4)	50	77	22	160	/

Workplane:

Height: 0.850 m
Grid: 32 x 64 Points
Boundary Zone: 0.000 m

UGR

Left Wall 21
Lower Wall 21
(CIE, SHR = 0.25.)

Lengthways-

21
21

Across

21
21

to luminaire axis

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	SITECO 5DN12K78VL3W3C Lunis 2® mini (1.000)	880	880	16.0
Total:			1760	1760	32.0

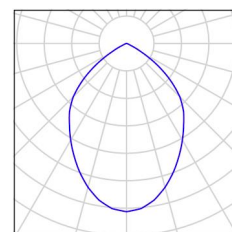
Specific connected load: $7.11 \text{ W/m}^2 = 3.42 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 4.50 m^2)

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Room 203 / Luminaire parts list

2 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI >= 80 (Correction
Factor 1.000).



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Room 203 / Photometric Results

Total Luminous Flux: 1760 lm
Total Load: 32.0 W
Light loss factor: 0.80
Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	168	40	208	/	/
Floor	98	38	136	20	8.66
Ceiling	0.00	30	30	70	6.79
Wall 1	41	34	75	50	12
Wall 2	44	35	78	50	12
Wall 3	41	34	75	50	12
Wall 4	44	35	79	50	12

Uniformity on the working plane
u0: 0.549 (1:2)
E_{min} / E_{max}: 0.401 (1:2)

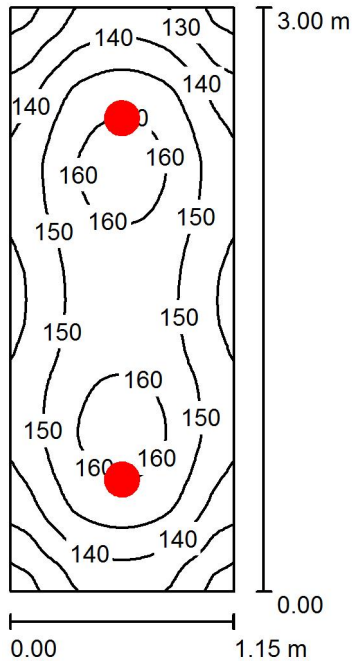
UGR Lengthways- Across to luminaire axis
Left Wall 21 21
Lower Wall 21 21
(CIE, SHR = 0.25.)

Specific connected load: 7.11 W/m² = 3.42 W/m²/100 lx (Ground area: 4.50 m²)

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Room 204 / Summary



Height of Room: 3.200 m, Mounting Height: 2.960 m, Light loss factor: 0.80

Values in Lux, Scale 1:39

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	147	116	164	0.786
Floor	20	97	82	105	0.853
Ceiling	70	37	27	41	0.733
Walls (4)	50	82	27	256	/

Workplane:

Height: 0.850 m
 Grid: 32 x 64 Points
 Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	SITECO 5DN12K78VL3W3C Lunis 2® mini (1.000)	880	880	16.0
Total:			1760	1760	32.0

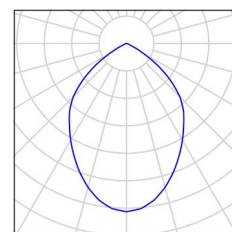
Specific connected load: $9.28 \text{ W/m}^2 = 6.30 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 3.45 m^2)

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Room 204 / Luminaire parts list

2 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI $\geq$ 80 (Correction
Factor 1.000).



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Room 204 / Photometric Results

Total Luminous Flux: 1760 lm
 Total Load: 32.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

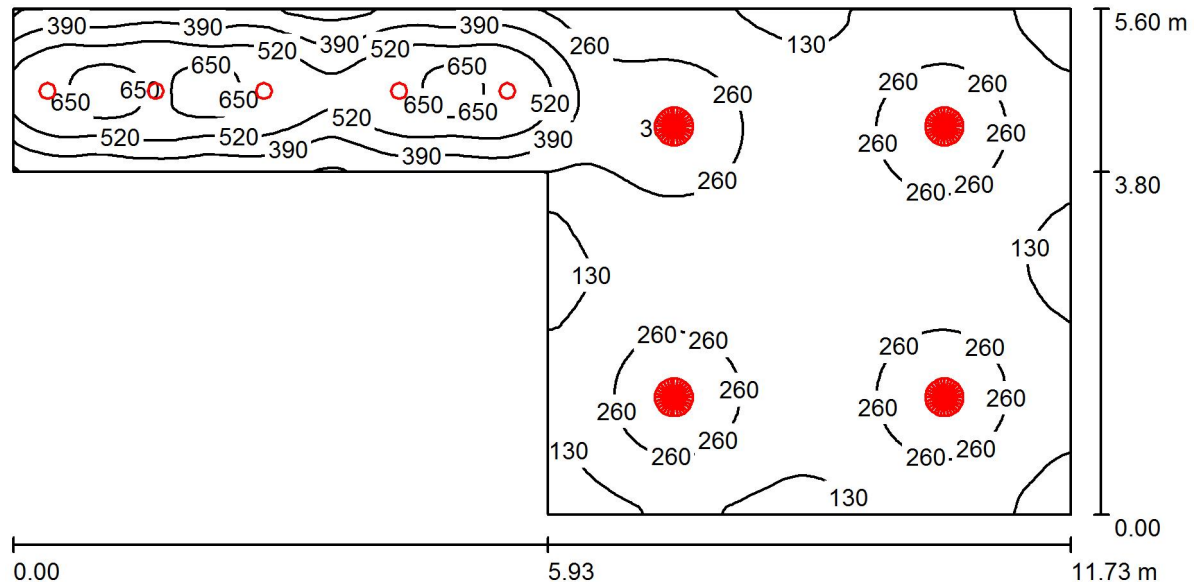
Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m ²]
	direct	indirect	total		
Workplane	105	42	147	/	/
Floor	66	31	97	20	6.16
Ceiling	0.00	37	37	70	8.14
Wall 1	49	38	87	50	14
Wall 2	43	38	81	50	13
Wall 3	49	38	87	50	14
Wall 4	43	38	81	50	13

Uniformity on the working plane
 u₀: 0.786 (1:1)
 E_{min} / E_{max}: 0.704 (1:1)

Specific connected load: $9.28 \text{ W/m}^2 = 6.30 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 3.45 m^2)

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Room 205 / Summary

Height of Room: 2.300 m, Mounting Height: 2.300 m, Light loss factor: 0.80

Values in Lux, Scale 1:84

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	282	85	732	0.301
Floor	20	228	110	445	0.482
Ceiling	70	58	32	512	0.546
Walls (6)	50	126	48	762	/

Workplane:

Height: 0.850 m
 Grid: 128 x 128 Points
 Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	4	Glamox A20231320 A20-S420 LED 2400 830 (1.000)	2384	2367	32.0
2	5	Glamox D70519142 D70-S155 LED 1400 840 SI (1.000)	1563	1564	18.0
Total:			17350	17288	218.0

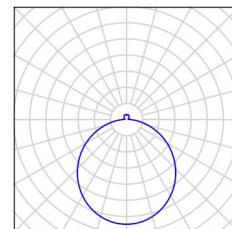
Specific connected load: $5.05 \text{ W/m}^2 = 1.79 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 43.15 m^2)

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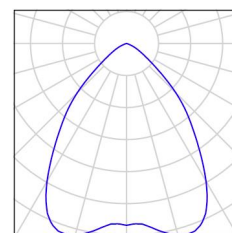
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Room 205 / Luminaire parts list

4 Pieces Glamox A20231320 A20-S420 LED 2400 830
Article No.: A20231320
Luminous flux (Luminaire): 2384 lm
Luminous flux (Lamps): 2367 lm
Luminaire Wattage: 32.0 W
Luminaire classification according to CIE: 94
CIE flux code: 46 77 94 94 101
Fitting: 1 x LED A20-S 2400 (Correction Factor 1.000).



5 Pieces Glamox D70519142 D70-S155 LED 1400 840 SI
Article No.: D70519142
Luminous flux (Luminaire): 1563 lm
Luminous flux (Lamps): 1564 lm
Luminaire Wattage: 18.0 W
Luminaire classification according to CIE: 100
CIE flux code: 77 97 100 100 100
Fitting: 1 x LED D70 1400 840 (Correction Factor 1.000).



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Room 205 / Photometric Results

Total Luminous Flux: 17350 lm
 Total Load: 218.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	237	45	282	/	/
Floor	175	53	228	20	15
Ceiling	9.57	48	58	70	13
Wall 1	64	41	105	50	17
Wall 2	60	41	101	50	16
Wall 3	78	56	134	50	21
Wall 4	120	70	189	50	30
Wall 5	85	69	154	50	24
Wall 6	60	42	101	50	16

Uniformity on the working plane

u_0 : 0.301 (1:3)

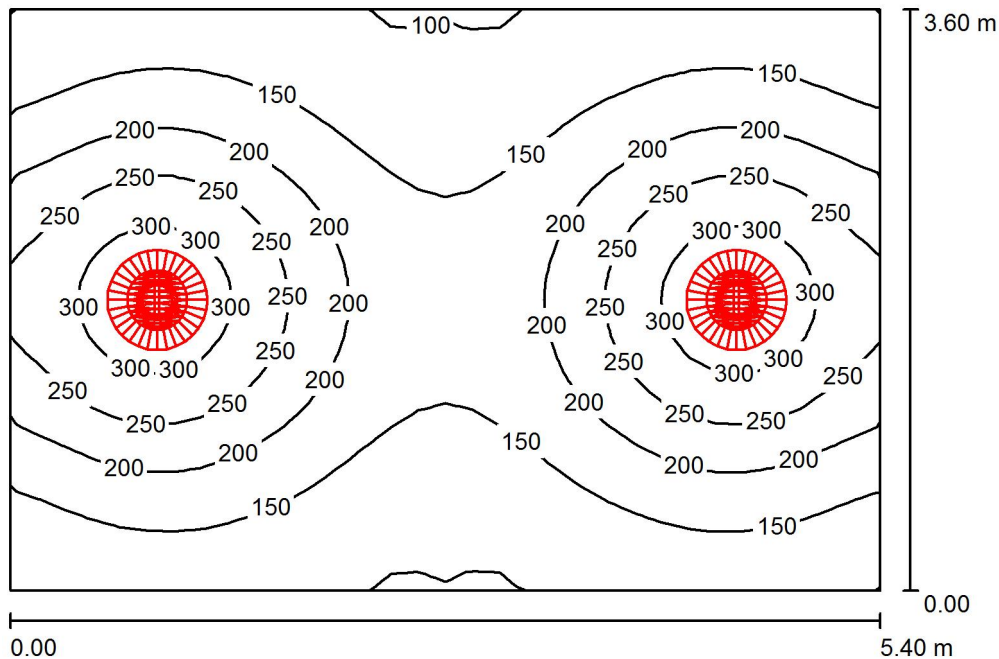
$E_{\min} / E_{\max}$: 0.116 (1:9)

Specific connected load: $5.05 \text{ W/m}^2 = 1.79 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 43.15 m^2)

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Room 206 / Summary



Height of Room: 2.500 m, Mounting Height: 2.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:47

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	190	94	340	0.498
Floor	20	146	106	184	0.723
Ceiling	70	69	36	598	0.529
Walls (4)	50	111	48	376	/

Workplane:

Height: 0.850 m
Grid: 32 x 32 Points
Boundary Zone: 0.000 m

UGR

Lengthways-
Left Wall 18
Lower Wall 18
(CIE, SHR = 0.25.)

Across to luminaire axis

18
18

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	Glamox A20341320 A20-S620 LED 3500 830 (1.000)	3382	3383	39.0
Total:			6765	6766	78.0

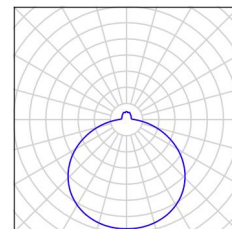
Specific connected load: $4.01 \text{ W/m}^2 = 2.12 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 19.44 m^2)

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Room 206 / Luminaire parts list

2 Pieces Glamox A20341320 A20-S620 LED 3500 830
Article No.: A20341320
Luminous flux (Luminaire): 3382 lm
Luminous flux (Lamps): 3383 lm
Luminaire Wattage: 39.0 W
Luminaire classification according to CIE: 91
CIE flux code: 42 74 93 91 100
Fitting: 1 x LED A20-620 3500 830 (Correction
Factor 1.000).



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Room 206 / Photometric Results

Total Luminous Flux: 6765 lm
 Total Load: 78.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	141	49	190	/	/
Floor	98	48	146	20	9.33
Ceiling	24	45	69	70	15
Wall 1	54	44	98	50	16
Wall 2	88	43	131	50	21
Wall 3	54	43	97	50	16
Wall 4	87	43	130	50	21

Uniformity on the working plane

u₀: 0.498 (1:2)

E_{min} / E_{max}: 0.277 (1:4)

UGR

Left Wall

Lower Wall

(CIE, SHR = 0.25.)

Lengthways-

18

18

Across

18

18

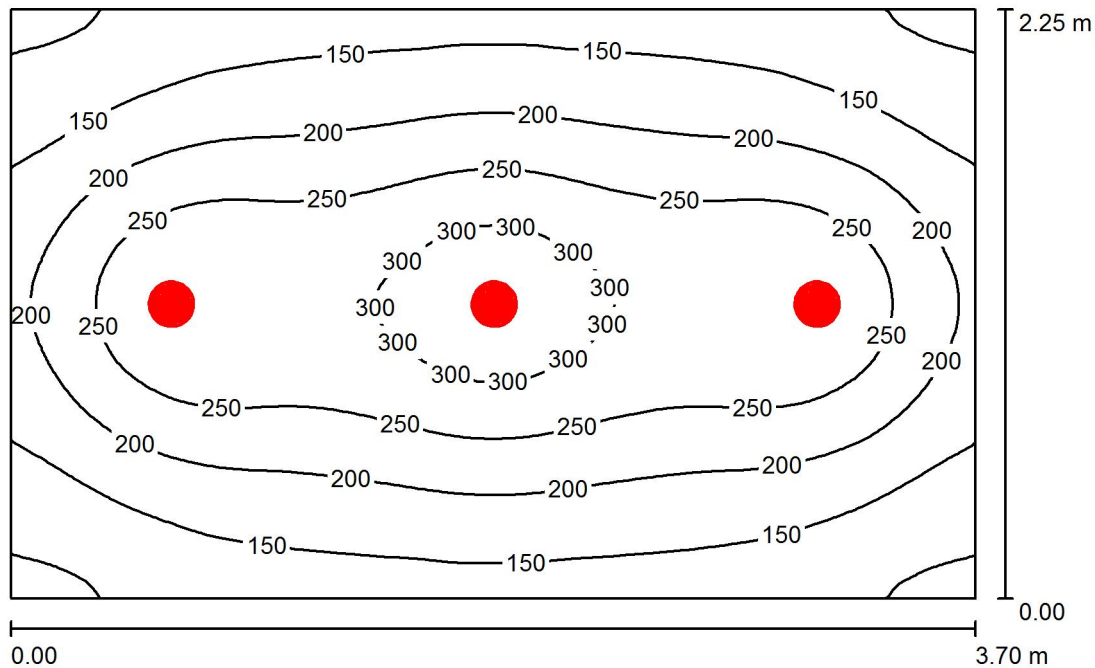
to luminaire axis

Specific connected load: 4.01 W/m² = 2.12 W/m²/100 lx (Ground area: 19.44 m²)

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Room 207 / Summary



Height of Room: 2.500 m, Mounting Height: 2.260 m, Light loss factor: 0.80

Values in Lux, Scale 1:29

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	206	92	334	0.445
Floor	20	151	95	195	0.631
Ceiling	70	29	21	34	0.738
Walls (4)	50	69	20	214	/

Workplane:

Height: 0.850 m
Grid: 64 x 64 Points
Boundary Zone: 0.000 m

UGR

Left Wall 21
Lower Wall 21
(CIE, SHR = 0.25.)

Lengthways-

21
21

Across

21
21

to luminaire axis

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	3	SITECO 5DN12K78VL3W3C Lunis 2® mini (1.000)	880	880	16.0
Total:			2640	2640	48.0

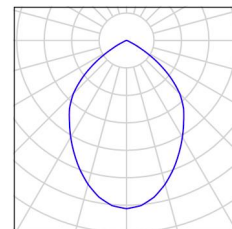
Specific connected load: $5.77 \text{ W/m}^2 = 2.80 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 8.32 m^2)

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Room 207 / Luminaire parts list

3 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI $\geq$ 80 (Correction
Factor 1.000).



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Room 207 / Photometric Results

Total Luminous Flux: 2640 lm
 Total Load: 48.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	176	30	206	/	/
Floor	116	34	151	20	9.59
Ceiling	0.00	29	29	70	6.42
Wall 1	36	31	67	50	11
Wall 2	43	30	73	50	12
Wall 3	36	31	67	50	11
Wall 4	43	30	73	50	12

Uniformity on the working plane
 u_0 : 0.445 (1:2)
 $E_{\min} / E_{\max}$: 0.274 (1:4)

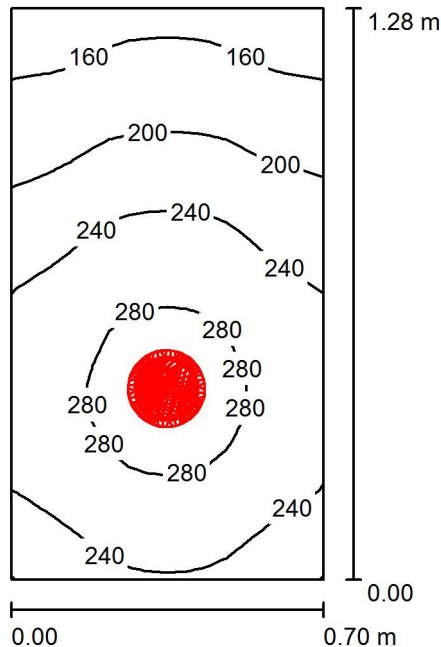
UGR Lengthways- Across to luminaire axis
 Left Wall 21 21
 Lower Wall 21 21
 (CIE, SHR = 0.25.)

Specific connected load: $5.77 \text{ W/m}^2 = 2.80 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 8.32 m^2)

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Room 207 - BOX / Summary



Height of Room: 2.500 m, Mounting Height: 2.260 m, Light loss factor: 0.80

Values in Lux, Scale 1:17

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	232	140	297	0.601
Floor	20	110	89	123	0.810
Ceiling	70	53	37	65	0.698
Walls (4)	50	123	35	650	/

Workplane:

Height: 0.850 m
 Grid: 16 x 32 Points
 Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	SITECO 5DN12K78VL3W3C Lunis 2® mini (1.000)	880	880	16.0
Total:			880	880	16.0

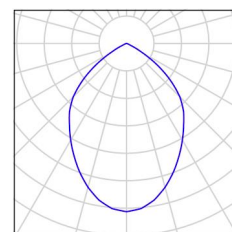
Specific connected load: $17.86 \text{ W/m}^2 = 7.69 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 0.90 m^2)

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Room 207 - BOX / Luminaire parts list

1 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI $\geq$ 80 (Correction
Factor 1.000).



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Room 207 - BOX / Photometric Results

Total Luminous Flux: 880 lm
 Total Load: 16.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	163	69	232	/	/
Floor	74	36	110	20	7.03
Ceiling	0.00	53	53	70	12
Wall 1	81	61	142	50	23
Wall 2	67	59	126	50	20
Wall 3	38	52	91	50	14
Wall 4	67	59	126	50	20

Uniformity on the working plane

u₀: 0.601 (1:2)

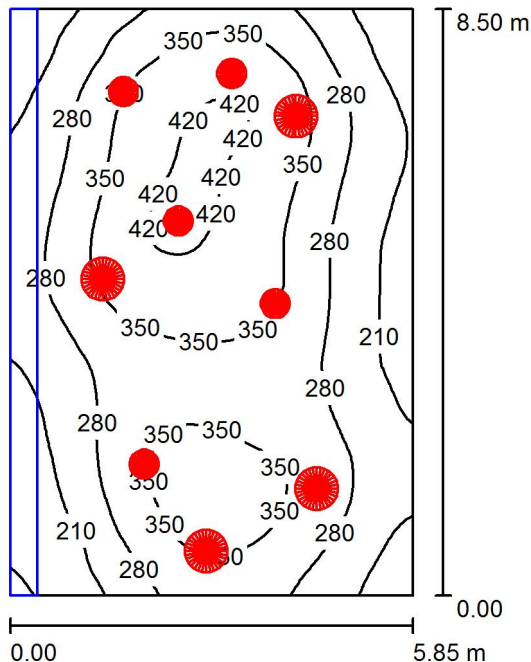
E_{min} / E_{max}: 0.470 (1:2)

Specific connected load: 17.86 W/m² = 7.69 W/m²/100 lx (Ground area: 0.90 m²)

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Room 208A / Summary



Height of Room: 3.160 m, Mounting Height: 3.160 m, Light loss factor: 0.80

Values in Lux, Scale 1:110

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	302	134	436	0.445
Floor	20	258	148	344	0.573
Ceiling	70	92	19	642	0.203
Walls (4)	50	164	25	753	/

Workplane:

Height: 0.850 m
Grid: 64 x 64 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	5	Glamox A20231320 A20-S420 LED 2400 830 (1.000)	2384	2367	32.0
2	4	Glamox A20341320 A20-S620 LED 3500 830 (1.000)	3382	3383	39.0
Total:			25447	25367	316.0

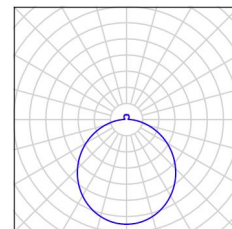
Specific connected load: $6.35 \text{ W/m}^2 = 2.10 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 49.72 m^2)

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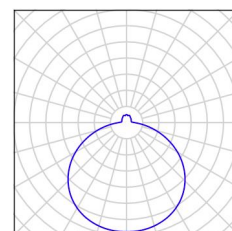
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Room 208A / Luminaire parts list

5 Pieces Glamox A20231320 A20-S420 LED 2400 830
Article No.: A20231320
Luminous flux (Luminaire): 2384 lm
Luminous flux (Lamps): 2367 lm
Luminaire Wattage: 32.0 W
Luminaire classification according to CIE: 94
CIE flux code: 46 77 94 94 101
Fitting: 1 x LED A20-S 2400 (Correction Factor 1.000).



4 Pieces Glamox A20341320 A20-S620 LED 3500 830
Article No.: A20341320
Luminous flux (Luminaire): 3382 lm
Luminous flux (Lamps): 3383 lm
Luminaire Wattage: 39.0 W
Luminaire classification according to CIE: 91
CIE flux code: 42 74 93 91 100
Fitting: 1 x LED A20-620 3500 830 (Correction Factor 1.000).



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Room 208A / Photometric Results

Total Luminous Flux: 25447 lm
 Total Load: 316.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	231	71	302	/	/
Floor	186	72	258	20	16
Ceiling	29	63	92	70	20
Wall 1	121	63	184	50	29
Wall 2	95	65	160	50	25
Wall 3	121	64	184	50	29
Wall 4	87	54	141	50	22

Uniformity on the working plane

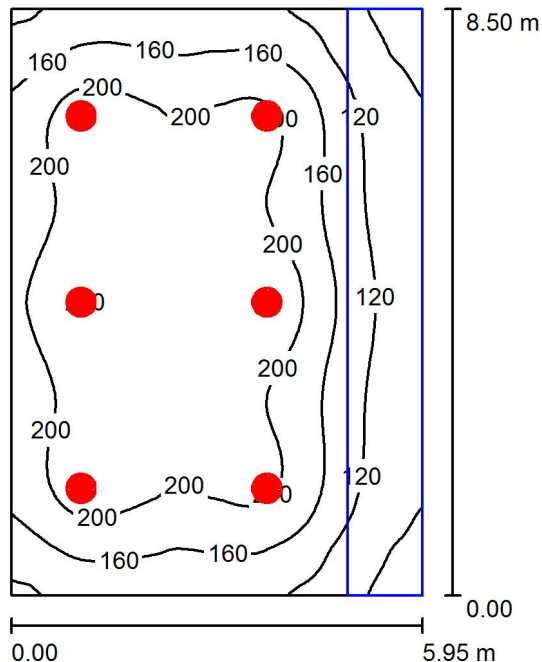
u₀: 0.445 (1:2)

E_{min} / E_{max}: 0.308 (1:3)

Specific connected load: $6.35 \text{ W/m}^2 = 2.10 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 49.72 m²)

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Room 208B / Summary

Height of Room: 3.160 m, Mounting Height: 3.160 m, Light loss factor: 0.80

Values in Lux, Scale 1:110

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	172	65	241	0.375
Floor	20	148	74	194	0.500
Ceiling	70	44	2.06	515	0.047
Walls (4)	50	90	13	230	/

Workplane:

Height: 0.850 m
 Grid: 64 x 64 Points
 Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	6	Glamox A20231320 A20-S420 LED 2400 830 (1.000)	2384	2367	32.0
Total:			14302	14202	192.0

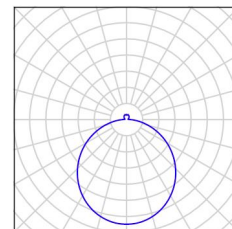
Specific connected load: $3.80 \text{ W/m}^2 = 2.20 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 50.57 m^2)

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Room 208B / Luminaire parts list

6 Pieces Glamox A20231320 A20-S420 LED 2400 830
Article No.: A20231320
Luminous flux (Luminaire): 2384 lm
Luminous flux (Lamps): 2367 lm
Luminaire Wattage: 32.0 W
Luminaire classification according to CIE: 94
CIE flux code: 46 77 94 94 101
Fitting: 1 x LED A20-S 2400 (Correction Factor 1.000).



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Room 208B / Photometric Results

Total Luminous Flux: 14302 lm
 Total Load: 192.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m ²]
	direct	indirect	total		
Workplane	134	39	172	/	/
Floor	108	39	148	20	9.41
Ceiling	12	32	44	70	9.80
Wall 1	55	34	89	50	14
Wall 2	38	28	66	50	11
Wall 3	55	34	89	50	14
Wall 4	79	37	116	50	18

Uniformity on the working plane

u₀: 0.375 (1:3)

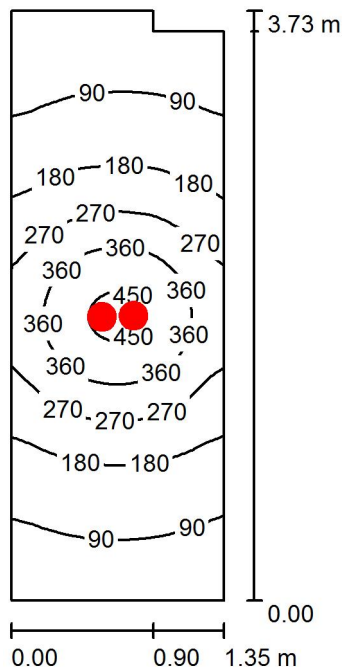
E_{min} / E_{max}: 0.268 (1:4)

Specific connected load: 3.80 W/m² = 2.20 W/m²/100 lx (Ground area: 50.57 m²)

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Room 209 / Summary



Height of Room: 2.500 m, Mounting Height: 2.260 m, Light loss factor: 0.80

Values in Lux, Scale 1:48

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	197	41	471	0.207
Floor	20	132	64	208	0.486
Ceiling	70	27	17	38	0.621
Walls (6)	50	65	14	341	/

Workplane:

Height: 0.850 m
Grid: 32 x 64 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	SITECO 5DN12K78VL3W3C Lunis 2® mini (1.000)	880	880	16.0
Total:			1760	1760	32.0

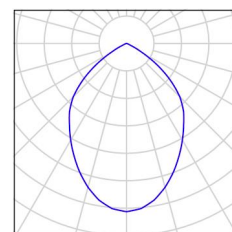
Specific connected load: $6.43 \text{ W/m}^2 = 3.26 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 4.98 m^2)

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Room 209 / Luminaire parts list

2 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI $\geq$ 80 (Correction
Factor 1.000).



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Room 209 / Photometric Results

Total Luminous Flux: 1760 lm
 Total Load: 32.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	164	34	197	/	/
Floor	99	33	132	20	8.40
Ceiling	0.00	27	27	70	6.02
Wall 1	18	27	45	50	7.11
Wall 2	45	31	76	50	12
Wall 3	17	26	43	50	6.83
Wall 4	2.02	21	23	50	3.59
Wall 5	15	24	39	50	6.22
Wall 6	43	31	74	50	12

Uniformity on the working plane

u_0 : 0.207 (1:5)

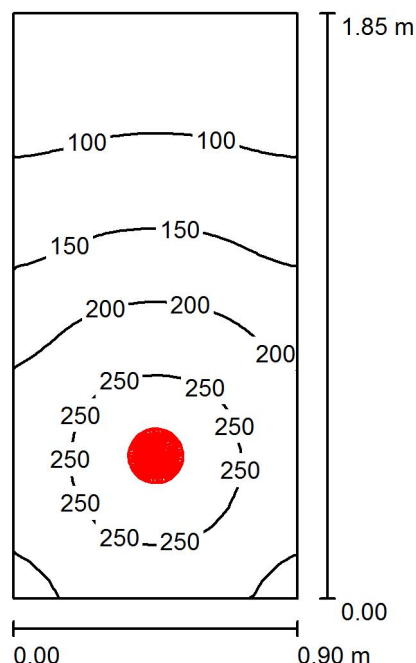
$E_{\min} / E_{\max}$: 0.087 (1:11)

Specific connected load: $6.43 \text{ W/m}^2 = 3.26 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 4.98 m^2)

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Room 210A / Summary



Height of Room: 2.500 m, Mounting Height: 2.260 m, Light loss factor: 0.80

Values in Lux, Scale 1:24

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	174	65	280	0.375
Floor	20	95	60	119	0.634
Ceiling	70	34	20	45	0.591
Walls (4)	50	81	19	403	/

Workplane:

Height: 0.850 m
Grid: 32 x 16 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	SITECO 5DN12K78VL3W3C Lunis 2® mini (1.000)	880	880	16.0
Total:			880	880	16.0

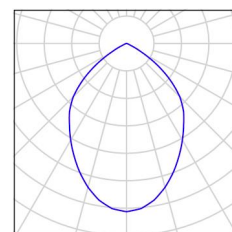
Specific connected load: $9.61 \text{ W/m}^2 = 5.53 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 1.66 m^2)

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Room 210A / Luminaire parts list

1 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI $\geq$ 80 (Correction
Factor 1.000).



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Room 210A / Photometric Results

Total Luminous Flux: 880 lm
 Total Load: 16.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m ²]
	direct	indirect	total		
Workplane	127	47	174	/	/
Floor	64	31	95	20	6.03
Ceiling	0.00	34	34	70	7.55
Wall 1	71	43	115	50	18
Wall 2	43	38	81	50	13
Wall 3	17	30	47	50	7.48
Wall 4	43	38	81	50	13

Uniformity on the working plane

u₀: 0.375 (1:3)

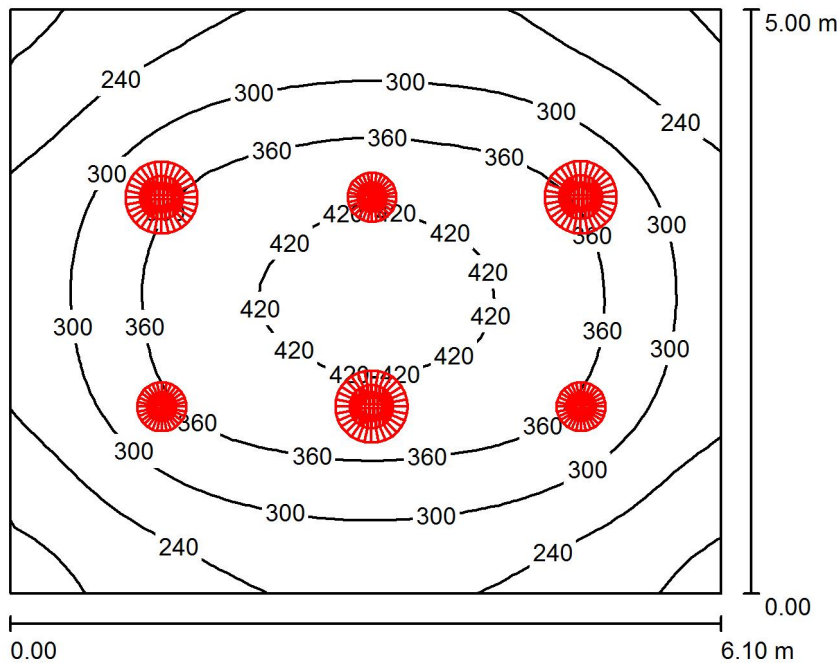
E_{min} / E_{max}: 0.233 (1:4)

Specific connected load: 9.61 W/m² = 5.53 W/m²/100 lx (Ground area: 1.66 m²)

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Room 211 / Summary



Height of Room: 3.160 m, Mounting Height: 3.160 m, Light loss factor: 0.80

Values in Lux, Scale 1:65

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	313	161	439	0.515
Floor	20	257	166	335	0.645
Ceiling	70	104	52	621	0.499
Walls (4)	50	174	78	298	/

Workplane:

Height: 0.850 m
Grid: 32 x 32 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	3	Glamox A20231320 A20-S420 LED 2400 830 (1.000)	2384	2367	32.0
2	3	Glamox A20341320 A20-S620 LED 3500 830 (1.000)	3382	3383	39.0
Total:			17298	17250	213.0

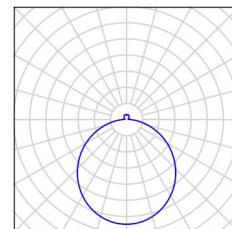
Specific connected load: $6.98 \text{ W/m}^2 = 2.23 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 30.50 m^2)

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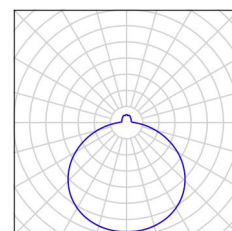
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Room 211 / Luminaire parts list

3 Pieces Glamox A20231320 A20-S420 LED 2400 830
Article No.: A20231320
Luminous flux (Luminaire): 2384 lm
Luminous flux (Lamps): 2367 lm
Luminaire Wattage: 32.0 W
Luminaire classification according to CIE: 94
CIE flux code: 46 77 94 94 101
Fitting: 1 x LED A20-S 2400 (Correction Factor 1.000).



3 Pieces Glamox A20341320 A20-S620 LED 3500 830
Article No.: A20341320
Luminous flux (Luminaire): 3382 lm
Luminous flux (Lamps): 3383 lm
Luminaire Wattage: 39.0 W
Luminaire classification according to CIE: 91
CIE flux code: 42 74 93 91 100
Fitting: 1 x LED A20-620 3500 830 (Correction Factor 1.000).



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Room 211 / Photometric Results

Total Luminous Flux: 17298 lm
 Total Load: 213.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	234	78	313	/	/
Floor	179	78	257	20	16
Ceiling	33	70	104	70	23
Wall 1	100	68	169	50	27
Wall 2	112	69	180	50	29
Wall 3	104	69	173	50	28
Wall 4	106	68	174	50	28

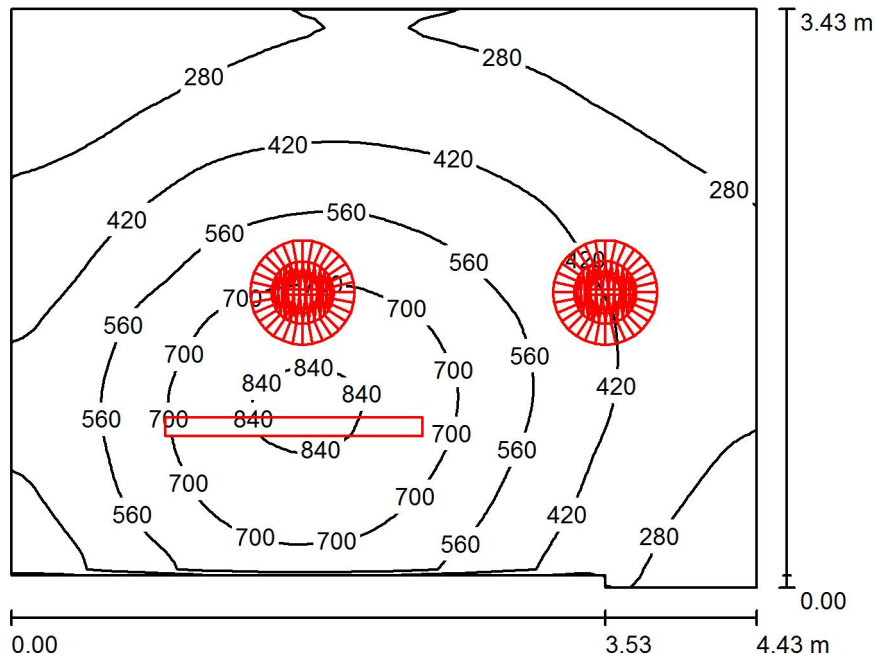
Uniformity on the working plane
 u_0 : 0.515 (1:2)
 $E_{\min} / E_{\max}$: 0.367 (1:3)

Specific connected load: $6.98 \text{ W/m}^2 = 2.23 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 30.50 m^2)

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Room 212 / Summary



Height of Room: 3.160 m, Light loss factor: 0.80

Values in Lux, Scale 1:45

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	462	190	871	0.411
Floor	20	361	186	519	0.516
Ceiling	70	305	74	2406	0.243
Walls (6)	50	231	84	596	/

Workplane:

Height: 0.850 m
Grid: 64 x 64 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	Glamox A20341320 A20-S620 LED 3500 830 (1.000)	3382	3383	39.0
2	1	Glamox REP222224 REED-1500 40/60 LED 8100 840 MP (1.000)	8334	8123	81.0
Total:			15098	14889	159.0

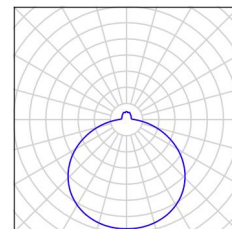
Specific connected load: $10.64 \text{ W/m}^2 = 2.30 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 14.95 m^2)

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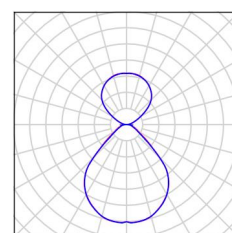
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Room 212 / Luminaire parts list

2 Pieces Glamox A20341320 A20-S620 LED 3500 830
Article No.: A20341320
Luminous flux (Luminaire): 3382 lm
Luminous flux (Lamps): 3383 lm
Luminaire Wattage: 39.0 W
Luminaire classification according to CIE: 91
CIE flux code: 42 74 93 91 100
Fitting: 1 x LED A20-620 3500 830 (Correction
Factor 1.000).



1 Pieces Glamox REP222224 REED-1500 40/60 LED
8100 840 MP
Article No.: REP222224
Luminous flux (Luminaire): 8334 lm
Luminous flux (Lamps): 8123 lm
Luminaire Wattage: 81.0 W
Luminaire classification according to CIE: 59
CIE flux code: 65 90 97 59 103
Fitting: 1 x LED Reed 8100 840 (Correction
Factor 1.000).



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Room 212 / Photometric Results

Total Luminous Flux: 15098 lm
 Total Load: 159.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	313	150	462	/	/
Floor	227	134	361	20	23
Ceiling	205	100	305	70	68
Wall 1	163	142	305	50	49
Wall 2	2.58	88	91	50	14
Wall 3	74	91	165	50	26
Wall 4	109	107	216	50	34
Wall 5	87	113	200	50	32
Wall 6	103	127	231	50	37

Uniformity on the working plane

u_0 : 0.411 (1:2)

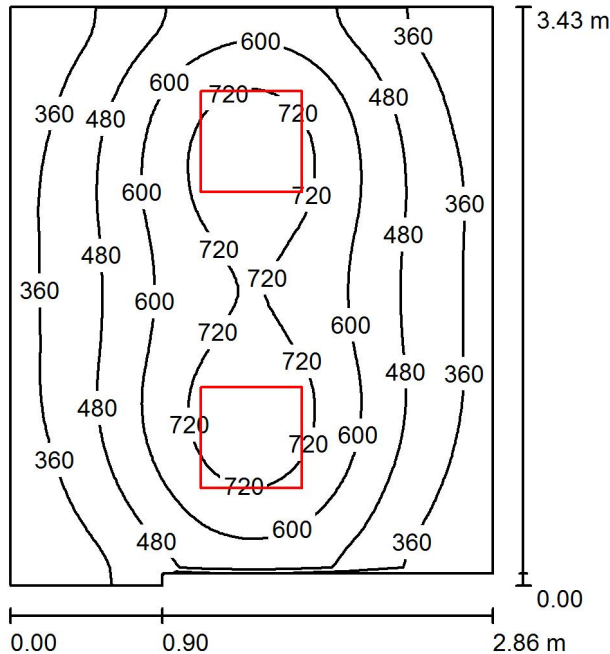
$E_{\min} / E_{\max}$: 0.218 (1:5)

Specific connected load: $10.64 \text{ W/m}^2 = 2.30 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 14.95 m^2)

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Room 213 / Summary



Height of Room: 2.300 m, Mounting Height: 2.300 m, Light loss factor: 0.80

Values in Lux, Scale 1:45

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	522	248	801	0.475
Floor	20	372	241	469	0.649
Ceiling	70	100	52	153	0.518
Walls (6)	50	255	80	686	/

Workplane:

Height: 0.850 m
Grid: 64 x 64 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	Glamox MOR213525 MODUL-R600 LED 4400 840 OP (1.000)	4388	4389	37.0
Total:			8776	8778	74.0

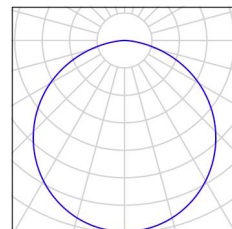
Specific connected load: $7.65 \text{ W/m}^2 = 1.47 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 9.67 m^2)

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Room 213 / Luminaire parts list

2 Pieces Glamox MOR213525 MODUL-R600 LED 4400
840 OP
Article No.: MOR213525
Luminous flux (Luminaire): 4388 lm
Luminous flux (Lamps): 4389 lm
Luminaire Wattage: 37.0 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED MO-R 4400 840 (Correction
Factor 1.000).



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Room 213 / Photometric Results

Total Luminous Flux: 8776 lm
 Total Load: 74.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	412	109	522	/	/
Floor	260	112	372	20	24
Ceiling	0.00	100	100	70	22
Wall 1	115	93	208	50	33
Wall 2	0.00	105	105	50	17
Wall 3	202	100	302	50	48
Wall 4	139	101	240	50	38
Wall 5	180	99	279	50	44
Wall 6	138	100	239	50	38

Uniformity on the working plane

u_0 : 0.475 (1:2)

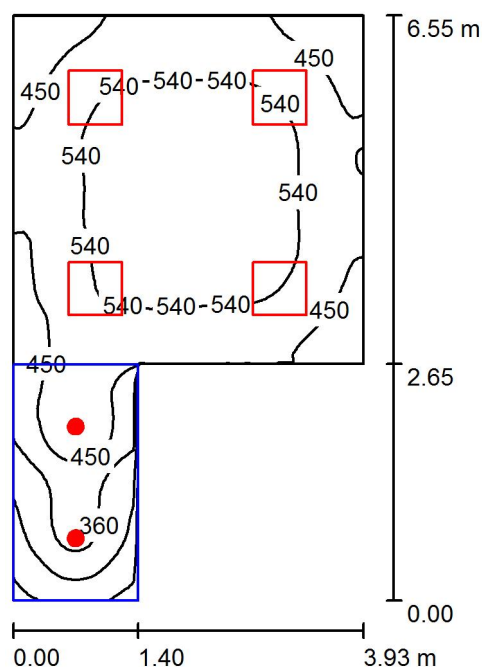
$E_{\min} / E_{\max}$: 0.309 (1:3)

Specific connected load: $7.65 \text{ W/m}^2 = 1.47 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 9.67 m^2)

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Room 214 / Summary



Height of Room: 3.160 m, Light loss factor: 0.80

Values in Lux, Scale 1:85

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	482	154	589	0.320
Floor	20	376	160	468	0.427
Ceiling	70	98	2.19	149	0.022
Walls (6)	50	249	5.67	664	/

Workplane:

Height: 0.850 m
 Grid: 64 x 64 Points
 Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	4	Glamox MOR213525 MODUL-R600 LED 4400 840 OP (1.000)	4388	4389	37.0
2	2	SITECO 5DN12K78VL3W3C Lunis 2® mini (1.000)	880	880	16.0
Total:			19311	19316	180.0

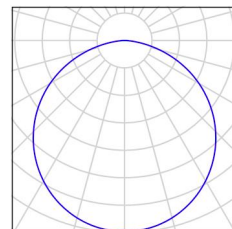
Specific connected load: $9.46 \text{ W/m}^2 = 1.96 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 19.04 m^2)

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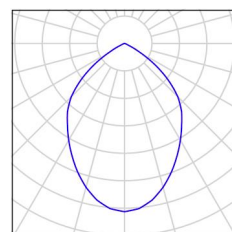
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Room 214 / Luminaire parts list

4 Pieces Glamox MOR213525 MODUL-R600 LED 4400
840 OP
Article No.: MOR213525
Luminous flux (Luminaire): 4388 lm
Luminous flux (Lamps): 4389 lm
Luminaire Wattage: 37.0 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED MO-R 4400 840 (Correction
Factor 1.000).



2 Pieces SITECO 5DN12K78VL3W3C Lunis 2® mini
Article No.: 5DN12K78VL3W3C
Luminous flux (Luminaire): 880 lm
Luminous flux (Lamps): 880 lm
Luminaire Wattage: 16.0 W
Luminaire classification according to CIE: 100
CIE flux code: 67 97 100 100 100
Fitting: 1 x LED 3000K / CRI >= 80 (Correction
Factor 1.000).



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Room 214 / Photometric Results

Total Luminous Flux: 19311 lm
Total Load: 180.0 W
Light loss factor: 0.80
Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	361	121	482	/	/
Floor	261	115	376	20	24
Ceiling	0.00	98	98	70	22
Wall 1	40	43	83	50	13
Wall 2	48	49	98	50	16
Wall 3	207	123	330	50	53
Wall 4	197	122	319	50	51
Wall 5	199	119	318	50	51
Wall 6	146	86	232	50	37

Uniformity on the working plane

u₀: 0.320 (1:3)

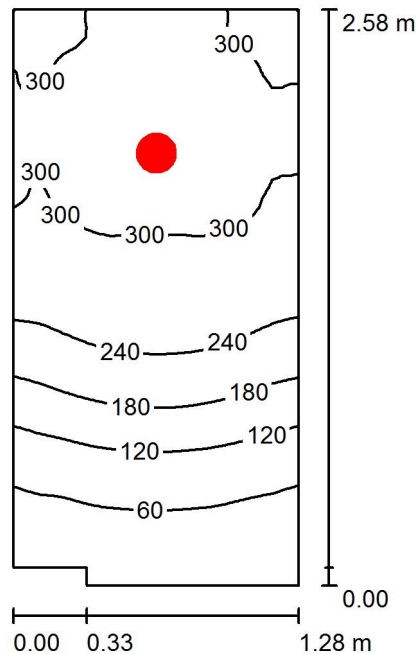
E_{min} / E_{max}: 0.262 (1:4)

Specific connected load: 9.46 W/m² = 1.96 W/m²/100 lx (Ground area: 19.04 m²)

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Room 215 / Summary



Height of Room: 3.200 m, Mounting Height: 2.960 m, Light loss factor: 0.80

Values in Lux, Scale 1:34

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	218	25	320	0.114
Floor	20	147	65	174	0.444
Ceiling	70	24	17	30	0.683
Walls (6)	50	72	14	332	/

Workplane:

Height: 0.850 m
 Grid: 32 x 64 Points
 Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	SITECO 2DN11K77VL336C Lunis 2® mini (1.000)	1630	1630	20.8
Total:			1630	Total: 1630	20.8

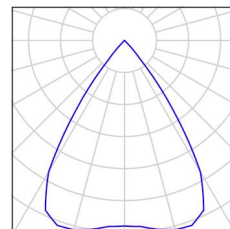
Specific connected load: $6.35 \text{ W/m}^2 = 2.91 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 3.28 m^2)

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Room 215 / Luminaire parts list

1 Pieces SITECO 2DN11K77VL336C Lunis 2® mini
Article No.: 2DN11K77VL336C
Luminous flux (Luminaire): 1630 lm
Luminous flux (Lamps): 1630 lm
Luminaire Wattage: 20.8 W
Luminaire classification according to CIE: 100
CIE flux code: 99 100 100 100 100
Fitting: 1 x LED 3000K / CRI $\geq$ 80 (Correction
Factor 1.000).



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Room 215 / Photometric Results

Total Luminous Flux: 1630 lm
 Total Load: 20.8 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	175	43	218	/	/
Floor	111	36	147	20	9.35
Ceiling	0.00	24	24	70	5.39
Wall 1	5.38	27	32	50	5.13
Wall 2	0.89	18	19	50	3.06
Wall 3	4.79	27	32	50	5.03
Wall 4	39	34	73	50	12
Wall 5	67	39	106	50	17
Wall 6	40	34	75	50	12

Uniformity on the working plane

u_0 : 0.114 (1:9)

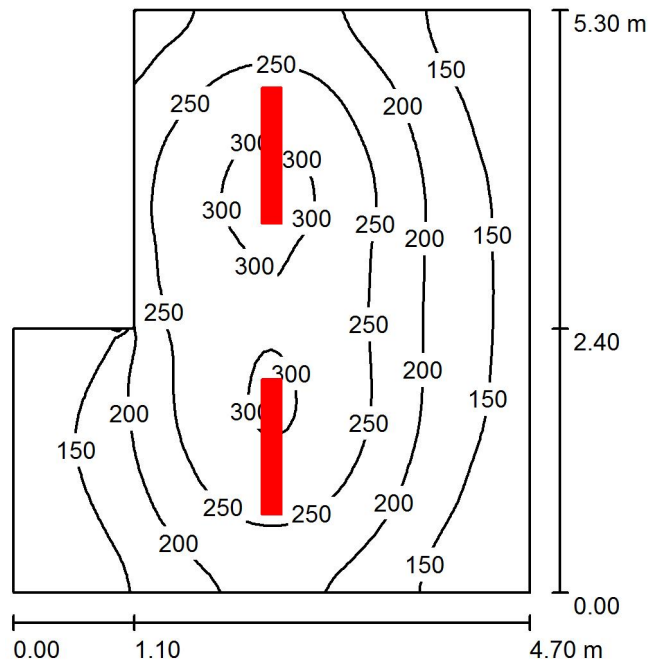
$E_{\min} / E_{\max}$: 0.077 (1:13)

Specific connected load: $6.35 \text{ W/m}^2 = 2.91 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 3.28 m^2)

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Room 216 / Summary



Height of Room: 3.200 m, Mounting Height: 3.200 m, Light loss factor: 0.80

Values in Lux, Scale 1:69

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	212	99	315	0.470
Floor	20	168	94	221	0.560
Ceiling	70	64	38	347	0.593
Walls (6)	50	122	55	292	/

Workplane:

Height: 0.850 m
Grid: 64 x 64 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	Glamox I20083545 i20-1200 LED 4600 840 OP (1.000)	4617	4618	44.0
Total:			9234	9236	88.0

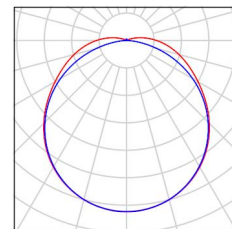
Specific connected load: $4.05 \text{ W/m}^2 = 1.92 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 21.72 m^2)

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Room 216 / Luminaire parts list

2 Pieces Glamox I20083545 i20-1200 LED 4600 840 OP
Article No.: I20083545
Luminous flux (Luminaire): 4617 lm
Luminous flux (Lamps): 4618 lm
Luminaire Wattage: 44.0 W
Luminaire classification according to CIE: 96
CIE flux code: 44 74 91 96 100
Fitting: 1 x LED i20 4600 (Correction Factor 1.000).



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Room 216 / Photometric Results

Total Luminous Flux: 9234 lm
 Total Load: 88.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	154	57	212	/	/
Floor	113	55	168	20	11
Ceiling	11	53	64	70	14
Wall 1	74	46	120	50	19
Wall 2	63	50	113	50	18
Wall 3	84	53	137	50	22
Wall 4	111	54	166	50	26
Wall 5	31	47	78	50	12
Wall 6	50	43	93	50	15

Uniformity on the working plane

u_0 : 0.470 (1:2)

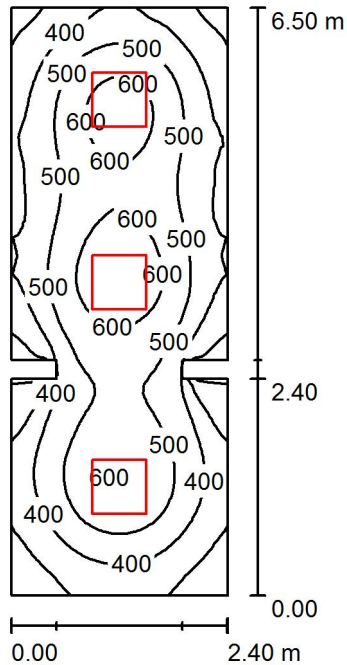
$E_{\min} / E_{\max}$: 0.315 (1:3)

Specific connected load: $4.05 \text{ W/m}^2 = 1.92 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 21.72 m^2)

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Room 217 / Summary



Height of Room: 2.500 m, Mounting Height: 2.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:84

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	466	200	676	0.429
Floor	20	342	197	431	0.575
Ceiling	70	91	49	119	0.543
Walls (12)	50	229	75	471	/

Workplane:

Height: 0.850 m
 Grid: 32 x 64 Points
 Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	3	Glamox MOR213525 MODUL-R600 LED 4400 840 OP (1.000)	4388	4389	37.0
Total:			13163	13167	111.0

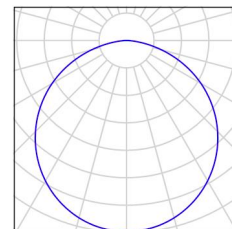
Specific connected load: $7.21 \text{ W/m}^2 = 1.55 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 15.40 m^2)

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Room 217 / Luminaire parts list

3 Pieces Glamox MOR213525 MODUL-R600 LED 4400
840 OP
Article No.: MOR213525
Luminous flux (Luminaire): 4388 lm
Luminous flux (Lamps): 4389 lm
Luminaire Wattage: 37.0 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED MO-R 4400 840 (Correction
Factor 1.000).



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Room 217 / Photometric Results

Total Luminous Flux: 13163 lm
 Total Load: 111.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	366	99	466	/	/
Floor	243	99	342	20	22
Ceiling	0.00	91	91	70	20
Wall 1	132	82	214	50	34
Wall 2	119	85	204	50	33
Wall 3	80	84	165	50	26
Wall 4	145	87	232	50	37
Wall 5	116	100	216	50	34
Wall 6	153	97	250	50	40
Wall 7	159	96	255	50	41
Wall 8	153	97	250	50	40
Wall 9	116	100	216	50	34
Wall 10	145	84	229	50	36
Wall 11	80	85	165	50	26
Wall 12	119	86	205	50	33

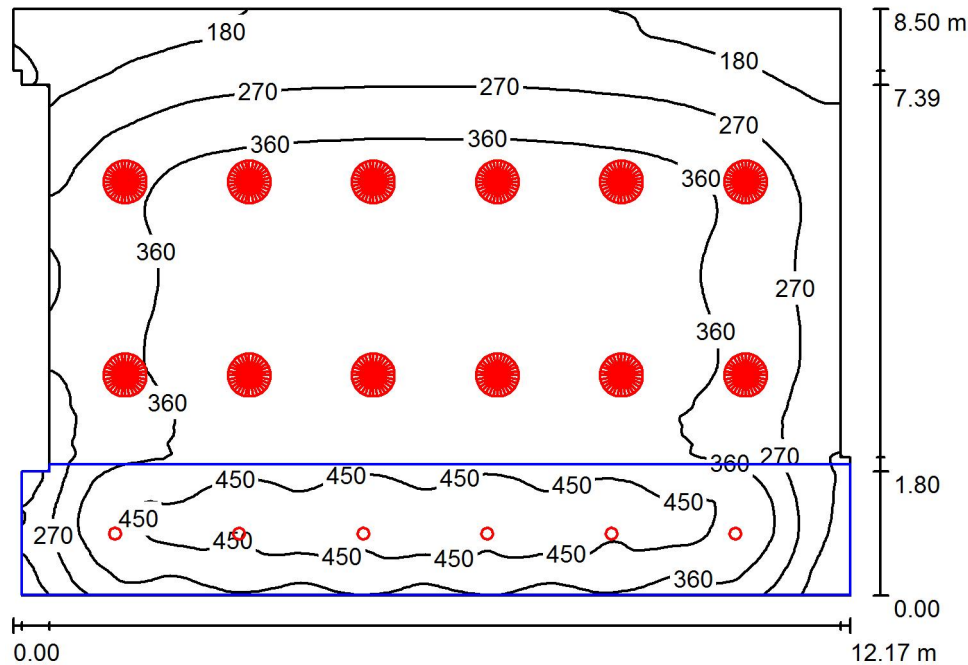
Uniformity on the working plane
 u_0 : 0.429 (1:2)
 $E_{\min} / E_{\max}$: 0.295 (1:3)

Specific connected load: $7.21 \text{ W/m}^2 = 1.55 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 15.40 m^2)

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Room 218A / Summary



Height of Room: 3.160 m, Light loss factor: 0.80

Values in Lux, Scale 1:110

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	343	59	505	0.172
Floor	20	306	64	436	0.209
Ceiling	70	80	1.21	652	0.015
Walls (12)	50	148	20	325	/

Workplane:

Height: 0.850 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	12	Glamox A20341320 A20-S620 LED 3500 830 (1.000)	3382	3383	39.0
2	6	Glamox D70519142 D70-S155 LED 1400 840 SI (1.000)	1563	1564	18.0
Total:			49966	49980	576.0

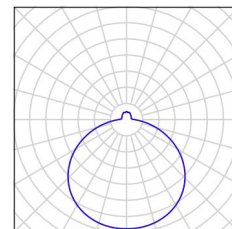
Specific connected load: $5.80 \text{ W/m}^2 = 1.69 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 99.31 m^2)

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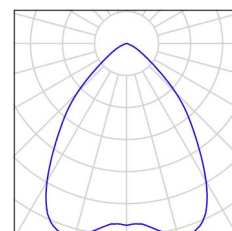
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Room 218A / Luminaire parts list

12 Pieces Glamox A20341320 A20-S620 LED 3500 830
Article No.: A20341320
Luminous flux (Luminaire): 3382 lm
Luminous flux (Lamps): 3383 lm
Luminaire Wattage: 39.0 W
Luminaire classification according to CIE: 91
CIE flux code: 42 74 93 91 100
Fitting: 1 x LED A20-620 3500 830 (Correction
Factor 1.000).



6 Pieces Glamox D70519142 D70-S155 LED 1400 840 SI
Article No.: D70519142
Luminous flux (Luminaire): 1563 lm
Luminous flux (Lamps): 1564 lm
Luminaire Wattage: 18.0 W
Luminaire classification according to CIE: 100
CIE flux code: 77 97 100 100 100
Fitting: 1 x LED D70 1400 840 (Correction Factor
1.000).



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Room 218A / Photometric Results

Total Luminous Flux: 49966 lm
 Total Load: 576.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	282	61	343	/	/
Floor	242	64	306	20	19
Ceiling	29	51	80	70	18
Wall 1	100	49	149	50	24
Wall 2	54	42	96	50	15
Wall 3	6.08	43	49	50	7.79
Wall 4	109	59	168	50	27
Wall 5	86	57	143	50	23
Wall 6	31	44	75	50	12
Wall 7	0.00	41	41	50	6.55
Wall 8	7.90	38	46	50	7.30
Wall 9	0.00	39	39	50	6.18
Wall 10	138	61	200	50	32
Wall 11	14	41	55	50	8.75
Wall 12	52	44	96	50	15

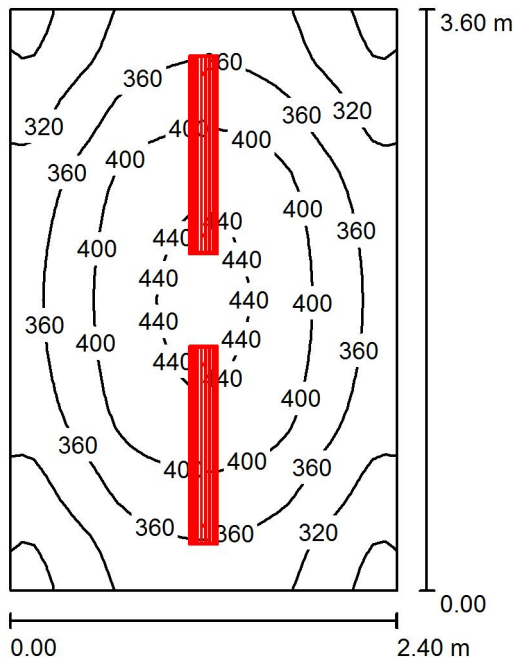
Uniformity on the working plane
 u_0 : 0.172 (1:6)
 $E_{\min} / E_{\max}$: 0.117 (1:9)

Specific connected load: $5.80 \text{ W/m}^2 = 1.69 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 99.31 m^2)

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Room 218B / Summary



Height of Room: 3.200 m, Mounting Height: 3.200 m, Light loss factor: 0.80

Values in Lux, Scale 1:47

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	368	265	448	0.720
Floor	20	265	205	306	0.775
Ceiling	70	148	102	339	0.690
Walls (4)	50	259	118	771	/

Workplane:

Height: 0.850 m
Grid: 32 x 32 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	Glamox I20083545 i20-1200 LED 4600 840 OP (1.000)	4617	4618	44.0
Total:			9234	9236	88.0

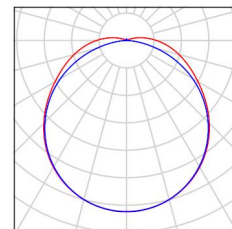
Specific connected load: $10.19 \text{ W/m}^2 = 2.77 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 8.64 m^2)

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Room 218B / Luminaire parts list

2 Pieces Glamox I20083545 i20-1200 LED 4600 840 OP
Article No.: I20083545
Luminous flux (Luminaire): 4617 lm
Luminous flux (Lamps): 4618 lm
Luminaire Wattage: 44.0 W
Luminaire classification according to CIE: 96
CIE flux code: 44 74 91 96 100
Fitting: 1 x LED i20 4600 (Correction Factor 1.000).



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Room 218B / Photometric Results

Total Luminous Flux: 9234 lm
 Total Load: 88.0 W
 Light loss factor: 0.80
 Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m²]
	direct	indirect	total		
Workplane	241	127	368	/	/
Floor	158	106	265	20	17
Ceiling	27	122	148	70	33
Wall 1	155	108	263	50	42
Wall 2	148	109	256	50	41
Wall 3	155	108	263	50	42
Wall 4	148	109	257	50	41

Uniformity on the working plane

u₀: 0.720 (1:1)

E_{min} / E_{max}: 0.591 (1:2)

Specific connected load: 10.19 W/m² = 2.77 W/m²/100 lx (Ground area: 8.64 m²)