

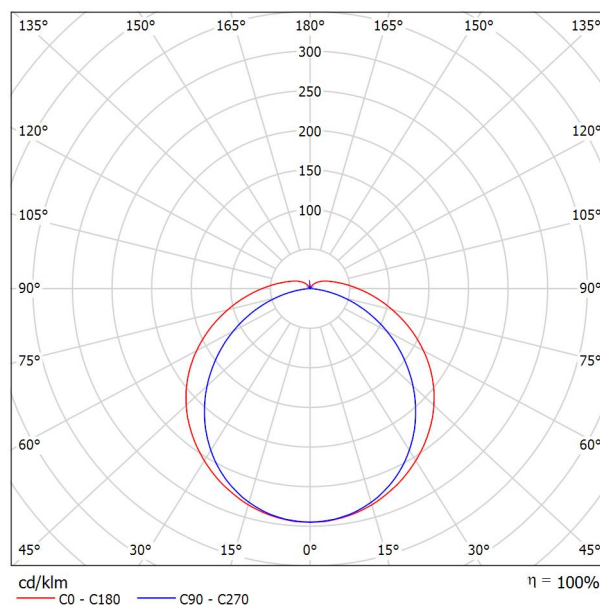


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IBV Hungaria Kft. 771 1*5ft Lumnium EU HO PMMA 771 - Ventila / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 93
CIE flux code: 43 73 92 93 100

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	20.5	21.7	20.9	22.1	22.5	20.2	21.5	20.6	21.8	22.2
	3H	22.2	23.4	22.7	23.8	24.2	21.5	22.7	22.0	23.1	23.5
	4H	23.0	24.2	23.5	24.6	25.0	22.1	23.2	22.5	23.6	24.0
	6H	23.8	24.8	24.3	25.3	25.7	22.4	23.4	22.8	23.8	24.3
	8H	24.2	25.2	24.6	25.6	26.1	22.4	23.4	22.9	23.9	24.4
	12H	24.5	25.4	25.0	25.9	26.4	22.5	23.4	22.9	23.9	24.4
4H	2H	21.0	22.1	21.5	22.6	23.0	20.8	21.9	21.2	22.3	22.8
	3H	23.0	23.9	23.5	24.4	24.9	22.4	23.3	22.9	23.8	24.3
	4H	23.9	24.8	24.4	25.3	25.8	23.0	23.9	23.5	24.3	24.9
	6H	24.8	25.6	25.4	26.1	26.7	23.5	24.2	24.0	24.7	25.3
	8H	25.3	26.0	25.8	26.5	27.1	23.6	24.3	24.1	24.8	25.4
	12H	25.7	26.3	26.3	26.9	27.5	23.6	24.3	24.2	24.8	25.4
8H	4H	24.2	24.9	24.7	25.4	26.0	23.4	24.0	23.9	24.6	25.1
	6H	25.2	25.8	25.8	26.4	27.0	24.0	24.5	24.5	25.1	25.7
	8H	25.8	26.3	26.4	26.9	27.5	24.2	24.7	24.8	25.3	25.9
	12H	26.4	26.8	27.0	27.4	28.0	24.3	24.8	24.9	25.3	26.0
12H	4H	24.2	24.8	24.7	25.3	25.9	23.4	24.0	24.0	24.6	25.2
	6H	25.3	25.8	25.9	26.4	27.0	24.1	24.6	24.7	25.2	25.8
	8H	25.9	26.3	26.5	26.9	27.6	24.3	24.8	24.9	25.4	26.0
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 / -0.2					+0.2 / -0.4				
S = 2.0H		+0.3 / -0.4					+0.4 / -0.7				
Standard table		BK08					BK05				
Correction Summand		9.5					6.9				
Corrected Glare Indices referring to 7300lm Total Luminous Flux											

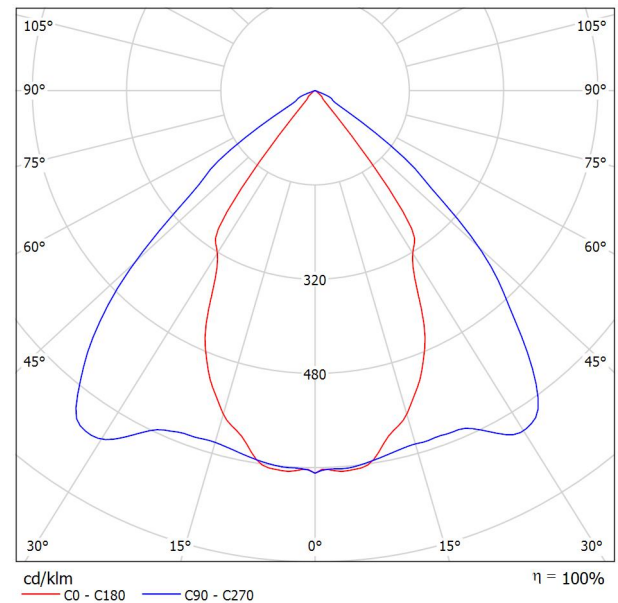


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Eaton Crouse Hinds Business 12300251xxx ExLin 5L-2 GCN 740 / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



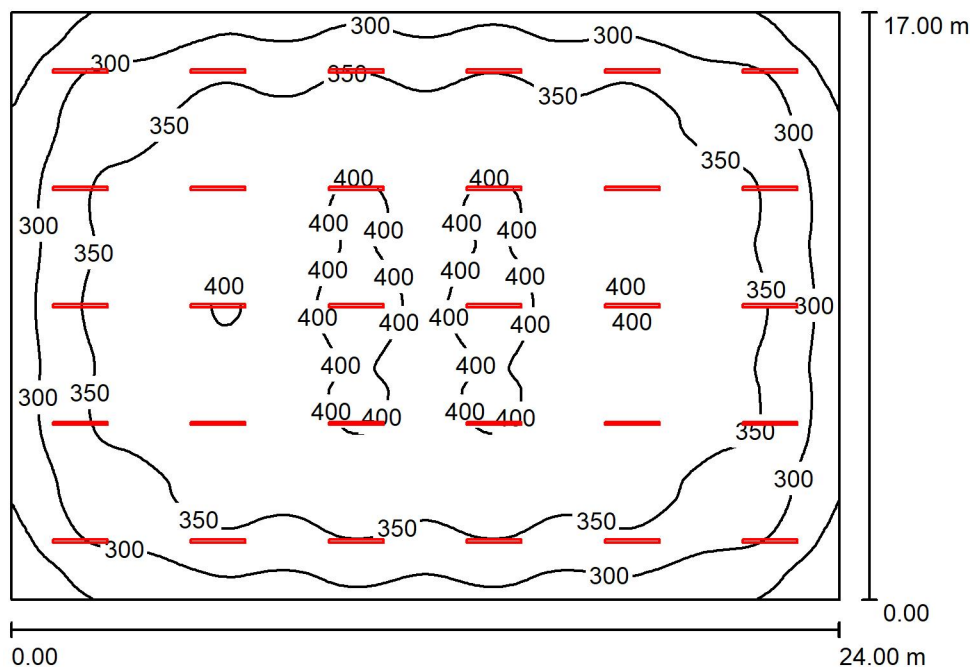
Luminaire classification according to CIE: 100
CIE flux code: 76 99 100 100 100

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.



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KOTLARNICA / Summary



Height of Room: 11.310 m, Mounting Height: 4.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:219

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$
Workplane	/	347	202	412	0.584
Floor	20	330	194	392	0.589
Ceiling	80	65	48	75	0.738
Walls (4)	50	134	49	342	/

Workplane:

Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m

UGR

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

Lengthways-
Across
to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.375, Ceiling / Working Plane: 0.186.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	30	IBV Hungaria Kft. 771 1*5ft Lumnum EU HO PMMA 771 - Ventila (1.000)	7300	7300	50.0
Total:			219000	219000	1500.0

Specific connected load: $3.68 \text{ W/m}^2 = 1.06 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 408.00 m^2)

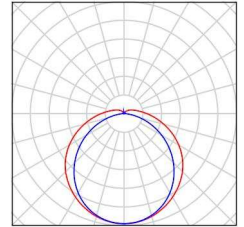


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KOTLARNICA / Luminaire parts list

30 Pieces IBV Hungaria Kft. 771 1*5ft Lumnium EU HO
PMMA 771 - Ventila
Article No.: 771 1*5ft Lumnium EU HO PMMA
Luminous flux (Luminaire): 7300 lm
Luminous flux (Lamps): 7300 lm
Luminaire Wattage: 50.0 W
Luminaire classification according to CIE: 93
CIE flux code: 43 73 92 93 100
Fitting: 1 x Lumnium EU HO 5ft (Correction Factor
1.000).

See our luminaire catalog
for an image of the
luminaire.





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KOTLARNICA / Photometric Results

Total Luminous Flux: 219000 lm
Total Load: 1500.0 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	280	66	347	/	/
Floor	261	69	330	20	21
Ceiling	4.18	60	65	80	16
Wall 1	81	61	142	50	23
Wall 2	59	62	122	50	19
Wall 3	81	61	142	50	23
Wall 4	59	63	122	50	19

Uniformity on the working plane

u0: 0.584 (1:2)

E_{\min} / E_{\max} : 0.491 (1:2)

UGR

Left Wall

Lower Wall

(CIE, SHR = 0.25.)

Lengthways-

25

25

Across

24

24

to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.375, Ceiling / Working Plane: 0.186.

Specific connected load: $3.68 \text{ W/m}^2 = 1.06 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 408.00 m^2)