

METRONOME-M SQUARE



Metronome-M square is a LED luminaire with a square shape and 32 recessed lenses, which are located behind a grid-shaped louver. This innovative lighting fixture not only provides effective lighting but also adds a touch of elegance to any architectural setting.

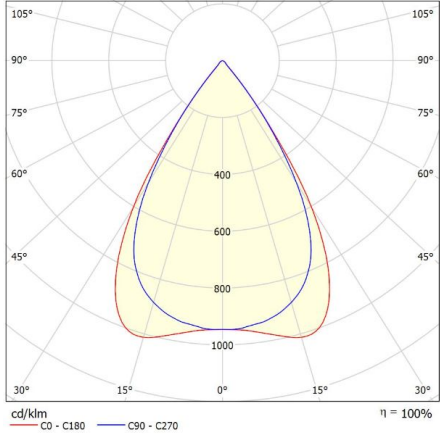
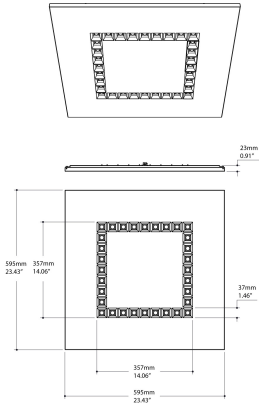
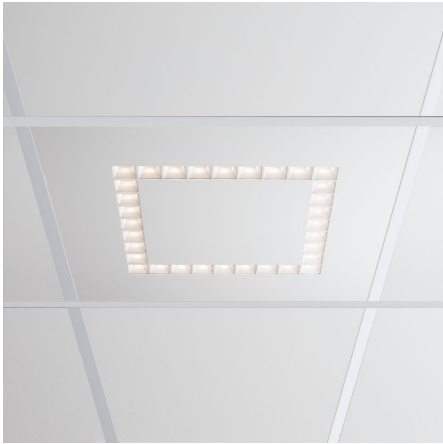
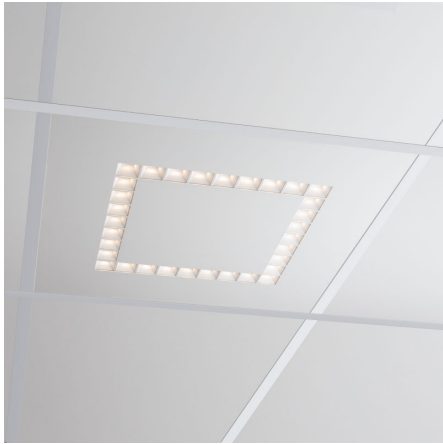
- Architectural appearance with 32 optics
- Choice between UGR<19 and UGR<16 optics
- Louver finish mat white or mat black
- Flat design for low ceiling depths

Downloads

[Photometrics Metronome square](#)

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PRODUCT IMAGES



Glare Evaluation According to UGR													
p Ceiling		70	70	50	50	30	70	70	50	50	30		
p Walls		50	30	50	30	20	50	30	50	30	20		
p Floor		20	20	20	20	20	20	20	20	20	20		
Room Size		Viewing direction at right angles to lamp axis						Viewing direction parallel to lamp axis					
X	Y												
2H	2H	15.6	16.4	15.9	16.6	16.8	15.4	16.2	15.7	16.4	16.6		
	3H	15.6	16.3	15.9	16.5	16.8	15.4	16.1	15.7	16.3	16.5		
	4H	15.6	16.2	15.9	16.5	16.7	15.3	16.0	15.6	16.2	16.5		
	6H	15.5	16.1	15.8	16.4	16.7	15.3	15.9	15.6	16.2	16.4		
	8H	15.5	16.0	15.8	16.3	16.6	15.2	15.8	15.6	16.1	16.4		
	12H	15.4	16.0	15.8	16.3	16.6	15.2	15.8	15.6	16.1	16.4		
4H	2H	15.5	16.1	15.8	16.4	16.7	15.3	15.9	15.6	16.2	16.4		
	3H	15.5	16.0	15.8	16.3	16.6	15.2	15.8	15.6	16.1	16.4		
	4H	15.5	15.9	15.8	16.3	16.6	15.2	15.7	15.6	16.0	16.4		
	6H	15.4	15.8	15.8	16.2	16.6	15.2	15.6	15.6	15.9	16.3		
	8H	15.4	15.7	15.8	16.1	16.5	15.2	15.5	15.6	15.9	16.3		
	12H	15.3	15.7	15.8	16.1	16.5	15.1	15.4	15.6	15.8	16.3		
8H	2H	15.4	15.7	15.8	16.1	16.5	15.1	15.5	15.6	15.9	16.3		
	3H	15.3	15.6	15.8	16.0	16.5	15.1	15.4	15.5	15.8	16.2		
	4H	15.3	15.5	15.8	16.0	16.4	15.1	15.3	15.5	15.7	16.2		
	6H	15.3	15.4	15.7	15.9	16.4	15.0	15.2	15.5	15.7	16.2		
	8H	15.3	15.4	15.7	15.9	16.4	15.0	15.2	15.5	15.7	16.2		
	12H	15.3	15.4	15.7	15.9	16.4	15.0	15.2	15.5	15.7	16.2		
Variation of the observer position for the luminance distances S													
S = 1.0H		+3.5 / -6.8			+3.9 / -6.8								
S = 1.5H		+5.5 / -7.2			+6.0 / -7.2								
S = 2.0H		+7.5 / -7.7			+7.9 / -7.7								
Standard table		BK00			BK00								
Correction Summand		-2.9			-3.1								
Corrected Glare Indices referring to 3862lm Total Luminous Flux													

NOTES

ADDITIONAL INFORMATION

Shape	Square
Application	Education, Hospitality, Municipality, Office
Way of mounting	Recessed
Product colour	On demand, Ral9010 matt structure, RAL9016 matt structure
Optic	Lens and louver
Designed	Philip Feenstra, 2023
Material	Steel, Aluminum, Acrylate
Length	595mm
Width	595mm
Mounting depth	25mm
Air extraction	Optional
Gross weight	2.3KG-2.6KG
Packaging dimensions	Bulk packaging
Colour temperature	3000K, 4000K
Colour Rendering Index (CRI)	CRI80, CRI90
Glare (UGR)	UGR<16, <19
CIE Flux Code	96 99 100 100 100
Luminaire efficacy	128lm/W - 140lm/W
Expected lifetime	L90B50@60.000h (Tq 25 ° C)
Voltage / frequency	220-240V, 50 / 60Hz
Power factor	>0.9
Appliance class	Class-II
Driver position	Separate driving position
Operational temperature	-20 ° C / + 40 ° C
Colour consistency (SDCM)	SDCM = 3
Orientation	Down
IP-class	IP20 (top) / IP40 (bottom)
Number of modules	4
Self-adhesive dust cover	Optional
Primary connection	GST18i3, GST18i5 pastel blue, On the driver

Emergency lighting

Optional

Lighting control

Optional

Energy label

A++

Photobiological safety

IEC 62471: RG1 (low risk)

Shortened on site

No

Metronome square

Version to be determined, 9W 1600lm 3000K CRI80 G8 UGR19, 9W 1800lm 4000K CRI80 G8 UGR19, 11W 1800lm 3000K CRI80 G8 UGR19, 11W 2000lm 4000K CRI80 G8 UGR19, 12W 2100lm 4000K CRI80 G8 UGR19, 12W 2000lm 3000K CRI80 G8 UGR19, 15W 2600lm 4000K CRI80 G8 UGR19, 15W 2300lm 3000K CRI80 G8 UGR19, 17W 3000lm 4000K CRI80 G8 UGR19, 17W 2600lm 3000K CRI80 G8 UGR19, 19W 3400lm 4000K CRI80 G8 UGR19, 19W 2900lm 3000K CRI80 G8 UGR19, 22W 3800lm 4000K CRI80 G8 UGR19, 22W 3200lm 3000K CRI80 G8 UGR19, 24W 4200lm 4000K CRI80 G8 UGR19, 24W 3400lm 3000K CRI80 G8 UGR19

