



METRONOME-M SQUARE

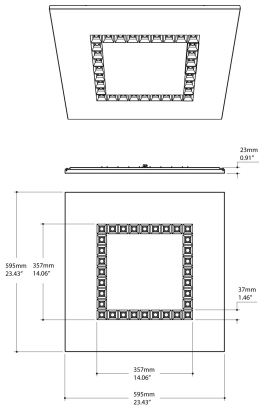
Metronome-M square is a square LED fixture with 32 recessed lenses positioned behind a grid-shaped louver. This innovative lighting fixture provides effective illumination and adds elegance to any architectural environment. Customers can choose from two different optics: the standard UGR19 or the UGR16. The fixtures are made from powder-coated steel and are custom-made for each ceiling system.

- Architectural design with 32 optics
- Choice between UGR< 19 and UGR< 16 optics
- Louver in matte black and matte white
- Flat design for shallow ceiling depths

Categories: [Recessed and lay-in luminaires](#)



PRODUCT IMAGES



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	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
4H	12H	15.4	16.0	15.8	16.3	16.6	15.2	15.8	15.6	16.1	16.4
	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	12H	15.4	15.7	15.8	16.1	16.5	15.2	15.5	15.6	15.9	16.3
	2H	15.3	15.7	15.8	16.1	16.5	15.1	15.4	15.6	15.8	16.3
	4H	15.4	15.7	15.8	16.1	16.5	15.1	15.5	15.6	15.9	16.3
	6H	15.3	15.6	15.8	16.0	16.5	15.1	15.4	15.5	15.8	16.2
	8H	15.3	15.5	15.8	16.0	16.4	15.1	15.3	15.5	15.7	16.2
12H	12H	15.3	15.4	15.7	15.9	16.4	15.0	15.2	15.5	15.7	16.2
	4H	15.3	15.6	15.8	16.0	16.5	15.1	15.4	15.5	15.8	16.2
	6H	15.3	15.5	15.7	16.0	16.4	15.1	15.3	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
	8H	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 3802lm Total Luminous Flux

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NOTES

ADDITIONAL INFORMATION

Air extraction	Optional
Armaturefficiëntie	>140lm/W
Bevestiging	Recessed
Breedte	595mm
CIE Flux code	93 100 100 100 100
Driver positie	Attached to the fixture, Loose driver
Energielabel	A++
Family	Metronome
Photobiological safety	IEC 62471: RG1 (low risc)
Glare (UGR)	<19
IP-class	IP20 (upwards)/IP40 (downwards)
Isolatieklasse	Class II
Kleurconsistentie (SDCM)	SDCM=3
Kleurtemperatuur	Tunable White, 2700K, 3000K, 3500K, 4000K
Color Rendering Index (CRI)	CRI90, CRI80
Length	595mm
Light control	1-10V dimming, Casambi dimming, DALI dimming, Optional
Luchtafzuiging	Optioneel
Material	Acrylic, Steel
Emergency lighting	1 hour emergency power, Optional, Optional 1 hour autonomy self-test
Ambient temperature	-20°C / +40°C
Optics	Lens en louver
Oriëntatie	Down
Packaging dimensions	Bulk packaging
Powerfactor	>9
Primaire aansluitingen	BST 14i2, Europlug, On request, GST18i3, GST18i5 pastelblauw, On the driver
Productkleur	On request
Producttoepassing	Education, Hospitality, Office, Public spaces
Self-adhesive dust cover	Optional

Verpakkingsafmetingen	Bulkverpakking
Verwachte levensduur	L90B50@60,000h (Tq 25°C)
Voltage / frequentie	220-240V, 50 / 60Hz
Shape	Square
Zelfklevende stofkap	Optioneel

PHOTOMETRIC DATA

12.830M.600×600.32 Metronome-M 9W 1600lm 3000K CRI80 G7 UGR19
12.830M.600×600.32 Metronome-M 11W 1800lm 3000K CRI80 G7 UGR19
12.830M.600×600.32 Metronome-M 12W 2000lm 3000K CRI80 G7 UGR19
12.830M.600×600.32 Metronome-M 15W 2300lm 3000K CRI80 G7 UGR19
12.830M.600×600.32 Metronome-M 17W 2600lm 3000K CRI80 G7 UGR19
12.830M.600×600.32 Metronome-M 19W 2900lm 3000K CRI80 G7 UGR19
12.830M.600×600.32 Metronome-M 22W 3200lm 3000K CRI80 G7 UGR19
12.830M.600×600.32 Metronome-M 24W 3400lm 3000K CRI80 G7 UGR19

12.840M.600×600.32 Metronome-M 9W 1800lm 4000K CRI80 G7 UGR19
12.840M.600×600.32 Metronome-M 11W 2000lm 4000K CRI80 G7 UGR19
12.840M.600×600.32 Metronome-M 12W 2100lm 4000K CRI80 G7 UGR19
12.840M.600×600.32 Metronome-M 15W 2600lm 4000K CRI80 G7 UGR19
12.840M.600×600.32 Metronome-M 17W 3000lm 4000K CRI80 G7 UGR19
12.840M.600×600.32 Metronome-M 19W 3400lm 4000K CRI80 G7 UGR19
12.840M.600×600.32 Metronome-M 22W 3800lm 4000K CRI80 G7 UGR19
12.840M.600×600.32 Metronome-M 24W 4200lm 4000K CRI80 G7 UGR19

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