

METRONOME-S BLACK



Metronome-S black is a linear LED pendant luminaire equipped with 36 or 28 lenses recessed behind a grid-shaped louver. The optics are standard on the bottom side and additionally versions with direct and indirect illumination (UP/DOWN) are available. A choice can be made between UGR <19 optics (standard) and UGR<16.

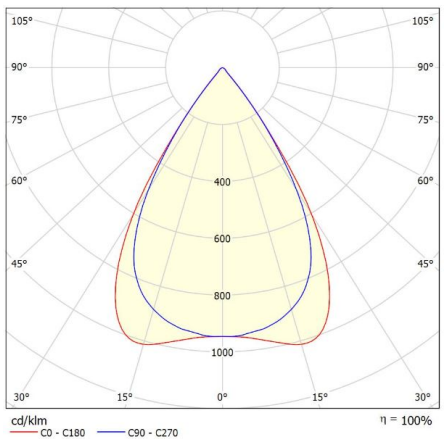
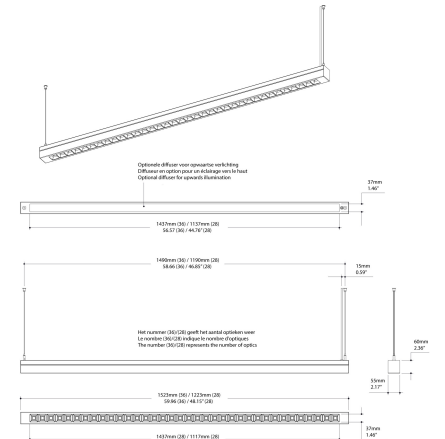
- Architectural appearance with 36 or 28 optics
- Choice between UGR <19 and UGR <16 optics
- Louver finish white or black
- Versions with direct and indirect illumination (UP/DOWN) are available

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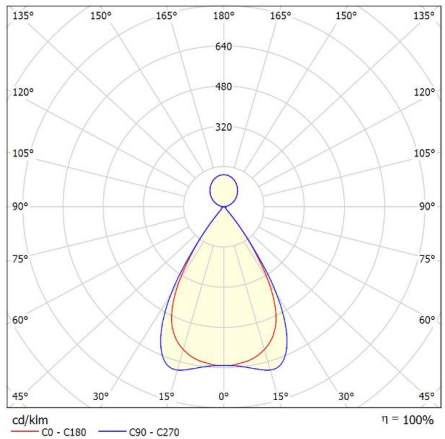
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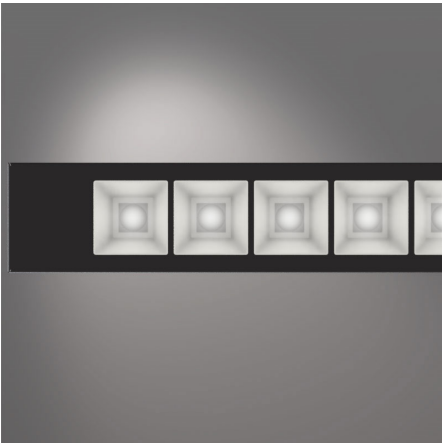


Glare Evaluation According to UGR													
p Ceiling		70	70	50	50	30	70	70	50	50	30		
p Walls		50	30	50	30	30	50	30	50	30	30		
p Floor		20	20	20	20	20	20	20	20	20	20		
Room Size		Viewing direction at right angles to lamp axis						Viewing direction parallel to lamp axis					
X	Y												
2H	2H	15.9	16.6	16.2	16.8	17.0	15.2	15.9	15.5	16.1	16.3		
	3H	15.8	16.5	16.1	16.7	16.9	15.1	15.7	15.4	16.0	16.2		
	4H	15.8	16.4	16.1	16.6	16.9	15.1	15.7	15.4	15.9	16.2		
	6H	15.7	16.3	16.0	16.5	16.8	15.0	15.5	15.3	15.8	16.1		
	8H	15.7	16.2	16.0	16.5	16.8	15.0	15.5	15.3	15.8	16.1		
4H	2H	15.7	16.1	16.0	16.4	16.7	14.9	15.4	15.3	15.7	16.0		
	3H	15.8	16.3	16.1	16.6	16.9	15.1	15.6	15.4	15.9	16.1		
	4H	15.7	16.2	16.0	16.5	16.8	15.0	15.5	15.3	15.8	16.1		
	6H	15.6	15.9	16.0	16.3	16.7	14.9	15.2	15.3	15.6	16.0		
	8H	15.5	15.8	15.9	16.2	16.6	14.8	15.1	15.3	15.5	15.9		
8H	2H	15.5	15.8	15.9	16.2	16.6	14.8	15.1	15.2	15.5	15.9		
	3H	15.5	15.8	15.9	16.2	16.6	14.8	15.1	15.2	15.5	15.9		
	4H	15.5	15.7	15.9	16.1	16.6	14.8	15.0	15.2	15.4	15.8		
	6H	15.4	15.6	15.9	16.1	16.5	14.7	14.9	15.2	15.4	15.8		
	8H	15.4	15.5	15.9	16.0	16.5	14.7	14.8	15.2	15.3	15.8		
12H	2H	15.5	15.8	15.9	16.2	16.6	14.8	15.1	15.2	15.5	15.9		
	3H	15.4	15.6	15.9	16.1	16.5	14.7	14.9	15.2	15.4	15.8		
	4H	15.4	15.5	15.9	16.0	16.5	14.7	14.8	15.2	15.3	15.8		
	6H	15.4	15.5	15.9	16.0	16.5	14.7	14.9	15.2	15.4	15.8		
	8H	15.4	15.5	15.9	16.0	16.5	14.7	14.8	15.2	15.3	15.8		
Variation of the observer position for the luminaire distances S													
S = 1.0H		+5.6 / -8.4						+5.2 / -7.9					
S = 1.5H		+8.4 / -9.2						+7.9 / -8.8					
S = 2.0H		+10.4 / -10.5						+9.9 / -9.7					
Standard table		BK00						BK00					
Correction Summand		-2.7						-3.4					
Corrected Glare Indices referring to 4232lm Total Luminous Flux													



f-waardering volgens UGR													
p Plafond		70	70	50	50	30	70	70	50	50	30	30	
p Muren		50	30	50	30	30	50	30	50	30	30	30	
p Voer		20	20	20	20	20	20	20	20	20	20	20	
Ruimteafmeting		Perspectief dwars t.o.v. lampen						Perspectief langs t.o.v. lampen					
X	Y												
2H	2H	16.7	17.4	16.9	17.6	17.8	16.0	16.7	16.2	16.8	17.0		
	3H	16.6	17.2	16.9	17.5	17.7	15.9	16.5	16.2	16.7	17.0		
	4H	16.5	17.1	16.9	17.4	17.6	15.8	16.4	16.1	16.7	16.9		
	6H	16.5	17.0	16.8	17.3	17.6	15.8	16.3	16.1	16.6	16.9		
	8H	16.4	17.0	16.8	17.2	17.5	15.7	16.3	16.1	16.5	16.8		
4H	2H	16.4	16.9	16.8	17.2	17.5	15.7	16.2	16.1	16.5	16.8		
	3H	16.5	17.1	16.8	17.4	17.6	15.8	16.4	16.1	16.6	16.9		
	4H	16.4	16.9	16.8	17.2	17.5	15.7	16.2	16.1	16.5	16.8		
	6H	16.3	16.7	16.7	17.0	17.4	15.6	16.0	16.0	16.3	16.7		
	8H	16.3	16.6	16.7	17.0	17.4	15.6	15.9	16.0	16.3	16.7		
8H	2H	16.3	16.5	16.7	16.9	17.3	15.6	15.8	16.0	16.2	16.7		
	3H	16.3	16.6	16.7	17.0	17.4	15.6	15.9	16.0	16.3	16.7		
	4H	16.3	16.6	16.7	17.0	17.4	15.6	15.9	16.0	16.3	16.7		
	6H	16.2	16.5	16.7	16.9	17.3	15.5	15.8	16.0	16.2	16.6		
	8H	16.2	16.4	16.6	16.8	17.3	15.5	15.7	16.0	16.1	16.6		
12H	2H	16.1	16.3	16.6	16.8	17.2	15.5	15.6	15.9	16.1	16.6		
	3H	16.1	16.3	16.6	16.8	17.2	15.5	15.6	15.9	16.1	16.6		
	4H	16.3	16.5	16.7	16.9	17.3	15.6	15.8	16.0	16.2	16.6		
	6H	16.2	16.4	16.6	16.8	17.3	15.5	15.7	16.0	16.1	16.6		
	8H	16.1	16.3	16.6	16.8	17.2	15.5	15.6	15.9	16.1	16.6		
Variatie op waarnemerspositie voor lampenbalken S													
S = 1.0H		+5.6 / -8.4						+5.2 / -7.9					
S = 1.5H		+8.4 / -9.2						+7.9 / -8.8					
S = 2.0H		+10.4 / -10.5						+9.9 / -9.7					
Standartaftabel		BK00						BK00					
Correctie-opteltal		-1.9						-2.6					
Gecorrigeerde verblindingindicatie in relatie tot 4096lm Totale lichtstroom													





NOTES

ADDITIONAL INFORMATION

Shape	Rectangular
Application	Education, Hospitality, Municipality, Office, Retail
Way of mounting	Suspension
Product colour	Matte black textured coating
Optic	Lens and louver
Designed	Philip Feenstra, 2021
Material	Steel, Plastic
Length	1223mm - 1523mm
Width	50mm
Gross weight	4.5KG
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	Integrated
Operational temperature	-20 ° C / + 40 ° C
Colour consistancy (SDCM)	SDCM = 3
Orientation	Down, Up+down
IP-class	IP20 (top) / IP20 (bottom)
Number of modules	28, 36
Self-adhesive dust cover	Optional
Primary connection	Cable
Emergency lighting	Optional
Lighting control	Optional

Energy label	A++
Photobiological safety	IEC 62471: RG1 (low risk)
Height	60mm
Suspension height	3m
Metronome	28 15W 2100lm 3000K CRI80 UGR16 G7, 28 15W 2200lm 4000K CRI80 UGR16 G7, 28 15W 2250lm 3000K CRI80 UGR19 G7, 28 15W 2350lm 4000K CRI80 UGR19 G7, 28 17W 2450lm 3000K CRI80 UGR16 G7, 28 17W 2600lm 3000K CRI80 UGR19 G7, 28 17W 2600lm 4000K CRI80 UGR16 G7, 28 17W 2750lm 4000K CRI80 UGR19 G7, 28 20W 2800lm 3000K CRI80 UGR16 G7, 28 20W 2950lm 4000K CRI80 UGR16 G7, 28 20W 3000lm 3000K CRI80 UGR19 G7, 28 20W 3150lm 4000K CRI80 UGR19 G7, 28 22W 3150lm 3000K CRI80 UGR16 G7, 28 22W 3300lm 4000K CRI80 UGR16 G7, 28 22W 3350lm 3000K CRI80 UGR19 G7, 28 22W 3550lm 4000K CRI80 UGR19 G7, 28 26W 3700lm 3000K CRI80 UGR16 G7, 28 26W 3850lm 4000K CRI80 UGR16 G7, 28 26W 3950lm 3000K CRI80 UGR19 G7, 28 26W 4150lm 4000K CRI80 UGR19 G7, 36 17W 2350lm 3000K CRI80 UGR16 G7, 36 17W 2500lm 4000K CRI80 UGR16 G7, 36 17W 2550lm 3000K CRI80 UGR19 G7, 36 17W 2650lm 4000K CRI80 UGR19 G7, 36 19W 2750lm 3000K CRI80 UGR16 G7, 36 19W 2900lm 4000K CRI80 UGR16 G7, 36 19W 2950lm 3000K CRI80 UGR19 G7, 36 19W 3100lm 4000K CRI80 UGR19 G7, 36 22W 3150lm 3000K CRI80 UGR16 G7, 36 22W 3300lm 4000K CRI80 UGR16 G7, 36 22W 3350lm 3000K CRI80 UGR19 G7, 36 22W 3550lm 4000K CRI80 UGR19 G7, 36 25W 3550lm 3000K CRI80 UGR16 G7, 36 25W 3750lm 4000K CRI80 UGR16 G7, 36 25W 3800lm 3000K CRI80 UGR19 G7, 36 25W 4000lm 4000K CRI80 UGR19 G7, 36 29W 4150lm 3000K CRI80 UGR16 G7, 36 29W 4350lm 4000K CRI80 UGR16 G7, 36 29W 4400lm 3000K CRI80 UGR19 G7, 36 29W 4650lm 4000K CRI80 UGR19 G7, Version to be determined

