

## METRONOME-S WHITE



Metronome-S white is een lineaire LED-pendelarmatuur uitgerust met 36 of 28 lenzen, verzonken achter een rastervormige louver. De optiek bevindt zich standaard aan de onderkant en daarnaast zijn versies met directe en indirecte verlichting (UP/DOWN) verkrijgbaar. Er kan een keuze gemaakt worden tussen < optieken (standaard) en <16

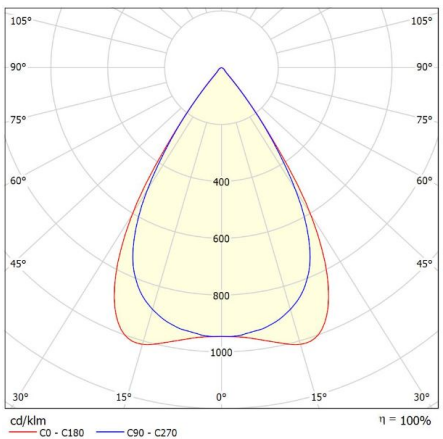
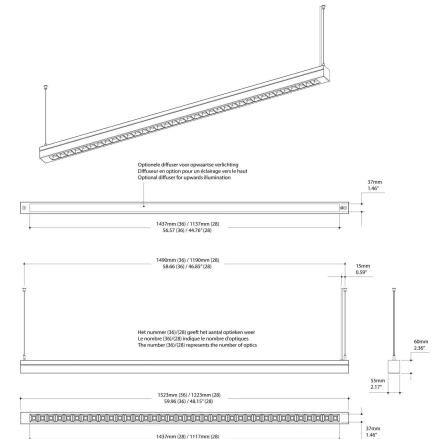
- Architectonische uitstraling met 36 of 28 optieken
- Keuze tussen UGR < 19 en UGR < 16 optiek
- Louver finish wit
- Er zijn versies met directe en indirecte verlichting (UP/DOWN) beschikbaar

### **Downloads**

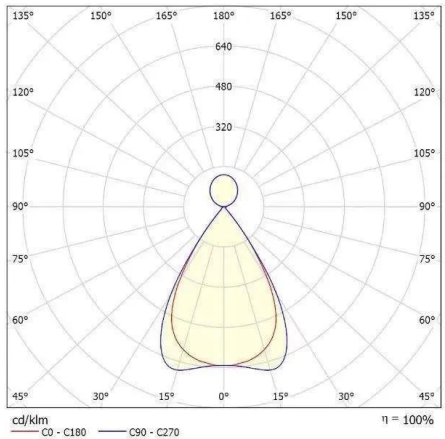
[Photometrics Metronome-S](#)

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PRODUCT IMAGES

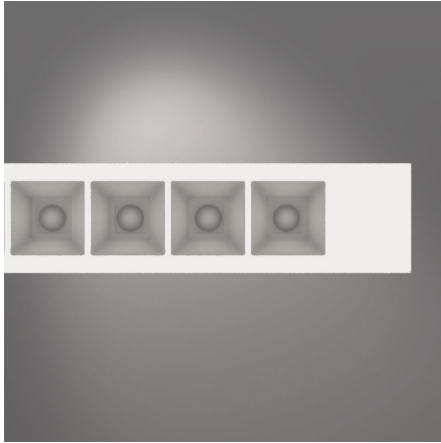


| Glare Evaluation According to UGR                                 |     |                                                   |         |      |      |      |                                            |         |      |      |      |  |  |
|-------------------------------------------------------------------|-----|---------------------------------------------------|---------|------|------|------|--------------------------------------------|---------|------|------|------|--|--|
| p Ceiling                                                         | 70  | 70                                                | 50      | 50   | 30   | 70   | 70                                         | 50      | 50   | 30   |      |  |  |
| p Walls                                                           | 50  | 30                                                | 50      | 30   | 30   | 50   | 30                                         | 50      | 30   | 30   |      |  |  |
| p Floor                                                           | 20  | 20                                                | 20      | 20   | 20   | 20   | 20                                         | 20      | 20   | 20   |      |  |  |
| Room Size<br>X Y                                                  |     | Viewing direction at right angles<br>to lamp axis |         |      |      |      | Viewing direction parallel<br>to lamp axis |         |      |      |      |  |  |
| 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                                                                | 12H | 15.7                                              | 16.1    | 16.0 | 16.4 | 16.7 | 14.9                                       | 15.4    | 15.3 | 15.7 | 16.0 |  |  |
|                                                                   | 2H  | 15.8                                              | 16.3    | 16.1 | 16.6 | 16.9 | 15.1                                       | 15.6    | 15.4 | 15.9 | 16.1 |  |  |
|                                                                   | 3H  | 15.7                                              | 16.2    | 16.0 | 16.5 | 16.8 | 15.0                                       | 15.5    | 15.3 | 15.8 | 16.1 |  |  |
|                                                                   | 4H  | 15.6                                              | 16.0    | 16.0 | 16.3 | 16.7 | 14.9                                       | 15.2    | 15.3 | 15.6 | 16.0 |  |  |
|                                                                   | 6H  | 15.6                                              | 15.9    | 16.0 | 16.3 | 16.7 | 14.9                                       | 15.2    | 15.3 | 15.6 | 16.0 |  |  |
| 8H                                                                | 12H | 15.5                                              | 15.8    | 15.9 | 16.2 | 16.6 | 14.8                                       | 15.1    | 15.3 | 15.5 | 15.9 |  |  |
|                                                                   | 2H  | 15.5                                              | 15.8    | 15.9 | 16.2 | 16.6 | 14.8                                       | 15.1    | 15.3 | 15.5 | 15.9 |  |  |
|                                                                   | 3H  | 15.5                                              | 15.7    | 15.9 | 16.1 | 16.6 | 14.8                                       | 15.0    | 15.2 | 15.4 | 15.9 |  |  |
|                                                                   | 4H  | 15.4                                              | 15.6    | 15.9 | 16.1 | 16.5 | 14.7                                       | 14.9    | 15.2 | 15.4 | 15.8 |  |  |
|                                                                   | 6H  | 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    | 15.3 | 15.5 | 15.9 |  |  |
|                                                                   | 3H  | 15.5                                              | 15.7    | 15.9 | 16.1 | 16.6 | 14.8                                       | 15.0    | 15.2 | 15.4 | 15.9 |  |  |
|                                                                   | 4H  | 15.4                                              | 15.6    | 15.9 | 16.1 | 16.5 | 14.7                                       | 14.9    | 15.2 | 15.4 | 15.8 |  |  |
|                                                                   | 6H  | 15.4                                              | 15.5    | 15.9 | 16.0 | 16.5 | 14.7                                       | 14.8    | 15.2 | 15.3 | 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 luminance 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 |      |      |      |                                            | Summand |      |      |      |  |  |
|                                                                   |     |                                                   | -2.7    |      |      |      |                                            | -3.4    |      |      |      |  |  |
| Corrected glare indices referring to 4000lm 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 Vloer                                                                     |                                                     | 20                              | 20    | 20    | 20   | 20   | 20                              | 20   | 20   | 20   | 20   | 20 |
| Ruimteafmeting                                                              |                                                     | Perspectief dwars t.o.v. lampen |       |       |      |      | Perspectief langs t.o.v. lampen |      |      |      |      |    |
| 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                                                                          | 12H                                                 | 16.4                            | 16.9  | 16.8  | 17.2 | 17.5 | 15.7                            | 16.2 | 16.1 | 16.5 | 16.8 |    |
|                                                                             | 2H                                                  | 16.5                            | 17.1  | 16.8  | 17.4 | 17.6 | 15.8                            | 16.4 | 16.1 | 16.6 | 16.9 |    |
|                                                                             | 3H                                                  | 16.4                            | 16.9  | 16.8  | 17.2 | 17.5 | 15.7                            | 16.2 | 16.1 | 16.5 | 16.8 |    |
|                                                                             | 4H                                                  | 16.4                            | 16.8  | 16.8  | 17.1 | 17.5 | 15.7                            | 16.1 | 16.1 | 16.4 | 16.8 |    |
|                                                                             | 6H                                                  | 16.3                            | 16.7  | 16.7  | 17.0 | 17.4 | 15.6                            | 16.0 | 16.0 | 16.3 | 16.7 |    |
| 8H                                                                          | 12H                                                 | 16.3                            | 16.6  | 16.7  | 17.0 | 17.4 | 15.6                            | 15.9 | 16.0 | 16.3 | 16.7 |    |
|                                                                             | 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                                                  | 16.2                            | 16.5  | 16.7  | 16.9 | 17.3 | 15.5                            | 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 |    |
| 12H                                                                         | 12H                                                 | 16.1                            | 16.3  | 16.5  | 16.7 | 17.2 | 15.6                            | 15.8 | 16.0 | 16.2 | 16.7 |    |
|                                                                             | 2H                                                  | 16.3                            | 16.5  | 16.7  | 16.9 | 17.3 | 15.6                            | 15.8 | 16.0 | 16.2 | 16.6 |    |
|                                                                             | 3H                                                  | 16.2                            | 16.4  | 16.6  | 16.8 | 17.3 | 15.5                            | 15.7 | 16.0 | 16.1 | 16.6 |    |
|                                                                             | 4H                                                  | 16.2                            | 16.3  | 16.5  | 16.7 | 17.2 | 15.5                            | 15.6 | 15.9 | 16.1 | 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  | 16.5  | 16.8 | 17.2 | 15.5                            | 15.6 | 15.9 | 16.1 | 16.6 |    |
|                                                                             | Variatie op waarnemerspositie voor lampafstanden 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-optelval                                                          |                                                     |                                 | -1.9  |       |      |      |                                 | -2.6 |      |      |      |    |
| Gecorrigeerde verblindingindicatie in relatie tot 4000lm Totale lichtstroom |                                                     |                                 |       |       |      |      |                                 |      |      |      |      |    |





## OPMERKINGEN:

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## ADDITIONAL INFORMATION

|                                 |                                                    |
|---------------------------------|----------------------------------------------------|
| <b>Vorm</b>                     | Rechthoekig                                        |
| <b>Producttoepassing</b>        | Gemeentehuizen, Horeca, Kantoor, Onderwijs, retail |
| <b>Montagewijze</b>             | Pendel                                             |
| <b>Productkleur</b>             | Mat witte structuurcoating                         |
| <b>Optiek</b>                   | Lens en louver                                     |
| <b>Designed</b>                 | Philip Feenstra, 2021                              |
| <b>Materiaal</b>                | Staal, Kunststof                                   |
| <b>Lengte</b>                   | 1223 mm – 1523 mm                                  |
| <b>Breedte</b>                  | 50mm                                               |
| <b>Bruto gewicht</b>            | 4.5KG                                              |
| <b>Afmetingen verpakking</b>    | Bulkverpakking                                     |
| <b>Kleurtemperatuur</b>         | 3000K, 4000K                                       |
| <b>Kleurweergaveindex (CRI)</b> | CRI80, CRI90                                       |
| <b>Glare (UGR)</b>              | UGR16<, <19                                        |
| <b>CIE Flux Code</b>            | 96 99 100 100 100                                  |
| <b>Armaturefficiëntie</b>       | 128lm/W – 140lm/W                                  |
| <b>Verwachte levensduur</b>     | L90B50@60.000h (Tq 25 ° C)                         |
| <b>Voltage / frequentie</b>     | 220-240V, 50 / 60Hz                                |
| <b>Krachtfactor</b>             | >0.9                                               |
| <b>Isolatieklasse</b>           | Klasse-II                                          |
| <b>Driver positie</b>           | Geïntegreerd                                       |
| <b>Omgevingstemperatuur</b>     | -20°C / +40°C                                      |
| <b>Kleurconsistentie (SDCM)</b> | SDCM=3                                             |
| <b>Oriëntatie</b>               | Omhoog+omlaag, Omlaag                              |
| <b>IP-class</b>                 | IP20 (boven) / IP20 (onder)                        |
| <b>Aantal modules</b>           | 28, 36                                             |
| <b>Zelfklevende schutfolie</b>  | Optioneel                                          |
| <b>Primaire aansluiting</b>     | Kabel                                              |
| <b>Noodstroom</b>               | Optioneel                                          |
| <b>Lichtregeling</b>            | Optioneel                                          |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Energielabel</b>                | A++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Fotobiologische veiligheid</b>  | IEC 62471: RG1 (laag risico)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Hoogte</b>                      | 60mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pendellengte</b>                | 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Uitvoering nader te bepalen</b> | <p>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, Uitvoering nader te bepalen</p> |

