



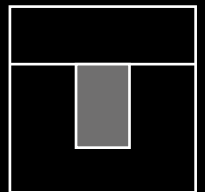
sinus



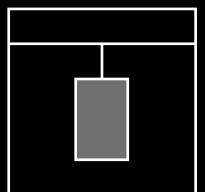


sinus

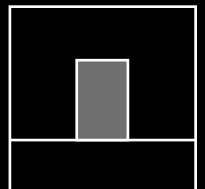
**LIGHTING**  
**UNLEASHED**



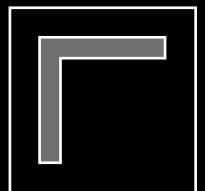
Surface



Pendant



Recessed



Systems

recessed  
p. 14

pendant  
p. 10

#### LICHT ENTFESSELT.

- Kombinierbare Linien und Kurven
- Spezielle Akustikversion
- Direkt / Indirekte Beleuchtung
- Hoher Sehkomfort
- Dynamisches Weiß (2.700 - 6.500 K)
- Integrierter Sensor (optional)
- Batteriebetriebenes Notlicht
- Individuelle Housing & Kabelfarben

#### DÉPLOIEMENT DE LUMIÈRE.

- Lignes et courbes combinables
- Version acoustique spéciale
- Éclairage direct / indirect
- Confort visuel élevé
- Blanc dynamique (2700 - 6500 K)
- Capteur intégré (en option)
- Éclairage de secours à batterie
- Corps individuel et couleurs de câbles

#### LUCE SCATENATA.

- Possibilità di combinare linee e curve
- Versione acustica speciale
- Luce diretta / indiretta
- Comfort visivo elevato
- Bianco dinamico (2700 - 6500 K)
- Sensore integrato (opzionale)
- Luce di emergenza a batteria
- Colori personalizzati dell'alloggiamento e del cavo

*Lighting unleashed.*



## LINES & CURVES

sinus can perfectly combined with lines of the pure3 profile system



## ACOUSTIC LIGHTING

Special acoustic versions provide excellent sound absorption



## DIRECT / INDIRECT LIGHTING

Homogenous and soft illumination of rooms with optional indirect lighting



## EYE COMFORT

Choose between homogenous opal diffusers and glare-free micro prism

## DYNAMIC WHITE

Human centric lighting with tunable white from 2,700 to 6,500 Kelvin



## SENSOR (OPTIONAL)

Integrated daylight and motion sensors available for automated control



## EMERGENCY LIGHT

Available with battery powered emergency light in case of power outage



## INDIVIDUAL COLOURS

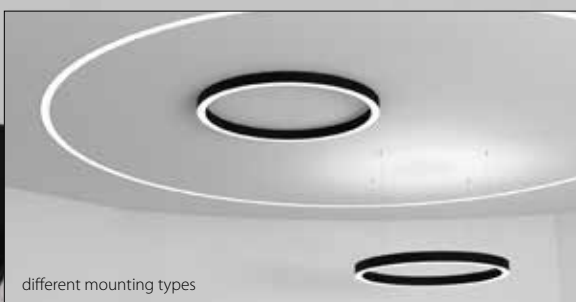
Housing, insets and power cables are available in different colours .



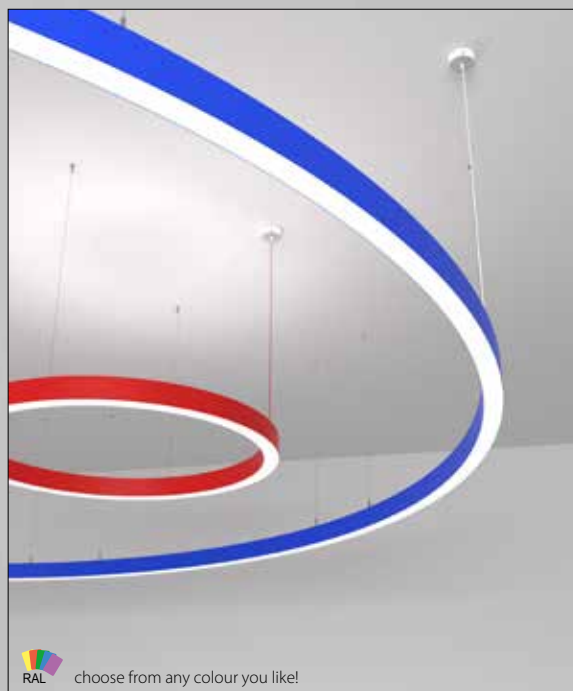
## COMBINE LINES & CURVES



## MIX & MATCH

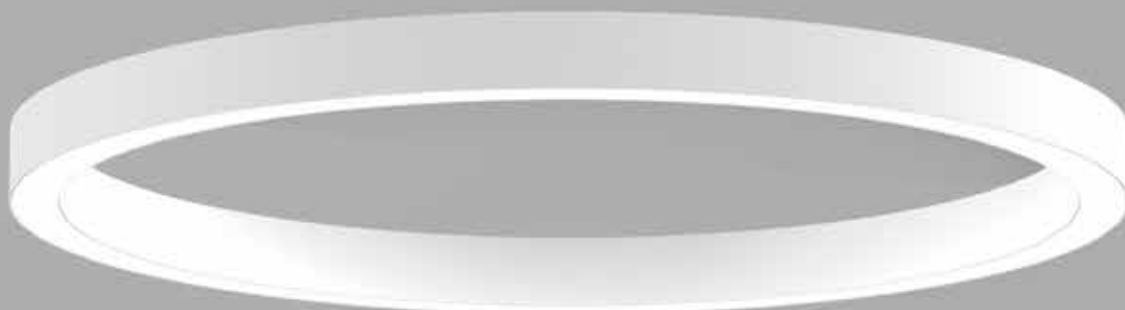


## THOUSANDS OF COLOUR COMBINATIONS









## 1 SIZE

|    |           |            |
|----|-----------|------------|
| ◊  | ø 1174 mm | <b>117</b> |
| M  | ø 1530 mm | <b>153</b> |
| L  | ø 2950 mm | <b>295</b> |
| XL | ø 5790 mm | <b>579</b> |

## 2 COLOUR

|  |                            |             |
|--|----------------------------|-------------|
|  | silver                     | <b>9006</b> |
|  | white                      | <b>9016</b> |
|  | black                      | <b>9005</b> |
|  | RAL of your choice (p. 23) |             |

## 3 LED

|  |                                        |            |
|--|----------------------------------------|------------|
|  | 3000 K, CRI > 80                       | <b>830</b> |
|  | 4000 K, CRI > 80                       | <b>840</b> |
|  | 3000 K, CRI > 90                       | <b>930</b> |
|  | 4000 K, CRI > 90                       | <b>940</b> |
|  | 2700 - 6500 K, dynamic white, CRI > 90 | <b>HCL</b> |

## 4 OUTPUT / CONTROL

|  |                    |           |
|--|--------------------|-----------|
|  | low output non-dim | <b>L1</b> |
|  | low output DALI    | <b>L3</b> |
|  | high output DALI   | <b>H3</b> |
|  | dynamic white      | <b>X3</b> |

## 5 OPTIC

|  |                                     |          |
|--|-------------------------------------|----------|
|  | satiné                              | <b>S</b> |
|  | microprism, UGR < 19 (low versions) | <b>M</b> |

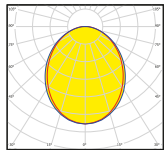
R33A **1-2E1345**

R33A117-9016E1840H3S ø 1174 mm, white, 4000 K, CRI > 80, high output DALI, satiné (order sample)

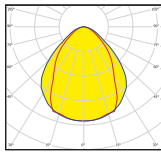
**● ONLINE CONFIGURATION**

KATALOG.PLANLICHT.COM

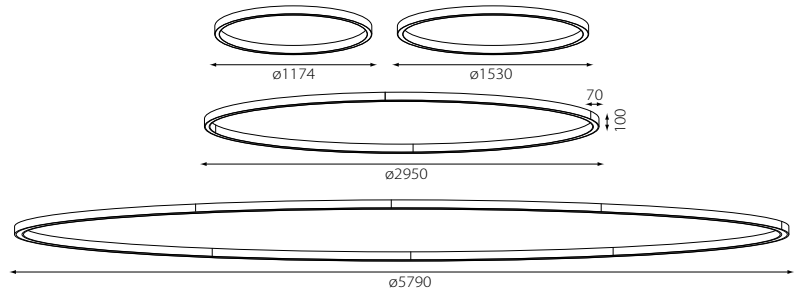




satiné



microprism



#### LUMINOUS FLUX (LM) / SYSTEM POWER (W)

| 4000K satiné | low output CRI > 80 | high output CRI > 80 | dynamic white CRI > 90 |         |
|--------------|---------------------|----------------------|------------------------|---------|
| ø 1174 mm    | 4507 lm / 44 W      | 8195 lm / 79 W       | 6153 lm / 81 W         | 18,6 kg |
| ø 1530 mm    | 6010 lm / 58 W      | 10927 lm / 105 W     | 8555 lm / 108 W        | 23,3 kg |
| ø 2950 mm    | 12020 lm / 116 W    | 21856 lm / 210 W     | 17458 lm / 215 W       | 49,6 kg |
| ø 5790 mm    | 24040 lm / 233 W    | 43712 lm / 421 W     | 34916 lm / 430 W       | 98,6 kg |



#### COMPARE COVER Ø 1530 MM, 4000K, CRI > 80

|             |         |          |         |
|-------------|---------|----------|---------|
| satiné      | 6010 lm | 10927 lm | 8555 lm |
| microprism* | 6393 lm | 11624 lm | 9370 lm |

\* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satiné-foil for increased homogeneity (-28,2% luminous flux).

Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikrop Prismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (-28,2% Lichtstrom).

Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (-28,2 % sur le flux lumineux).

Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (-28,2% del flusso luminoso).



# sinus

Pendant luminaire  
Hängeleuchte  
Suspensions  
Sospensione



## 1 SUSPENSION

|  |                                        |          |
|--|----------------------------------------|----------|
|  | Rope vertical                          | <b>H</b> |
|  | Rope centrally merging (only 117, 153) | <b>Z</b> |
|  | Rope central bundled (only 117, 153)   | <b>Y</b> |

## 2 SIZE

|  |                            |            |
|--|----------------------------|------------|
|  | ø 1174 mm (4 Suspensions)  | <b>117</b> |
|  | ø 1530 mm (4 Suspensions)  | <b>153</b> |
|  | ø 2950 mm (8 Suspensions)  | <b>295</b> |
|  | ø 5790 mm (16 Suspensions) | <b>579</b> |

## 3 COLOUR

|  |                            |             |
|--|----------------------------|-------------|
|  | silver                     | <b>9006</b> |
|  | white                      | <b>9016</b> |
|  | black                      | <b>9005</b> |
|  | RAL of your choice (p. 23) |             |

## 4 DIRECT / INDIRECT

|  |                   |          |
|--|-------------------|----------|
|  | direct            | <b>1</b> |
|  | direct / indirect | <b>2</b> |

## 5 LED

|  |                                       |            |
|--|---------------------------------------|------------|
|  | 3000 K, CRI > 80                      | <b>830</b> |
|  | 4000 K, CRI > 80                      | <b>840</b> |
|  | 3000 K, CRI > 90                      | <b>930</b> |
|  | 4000 K, CRI > 90                      | <b>940</b> |
|  | 2700 - 6500 K dynamic white, CRI > 90 | <b>HCL</b> |

## 6 OUTPUT / CONTROL

|  |                    |           |
|--|--------------------|-----------|
|  | low output non-dim | <b>L1</b> |
|  | low output DALI    | <b>L3</b> |
|  | high output DALI   | <b>H3</b> |
|  | dynamic white      | <b>X3</b> |

## 7 OPTIC

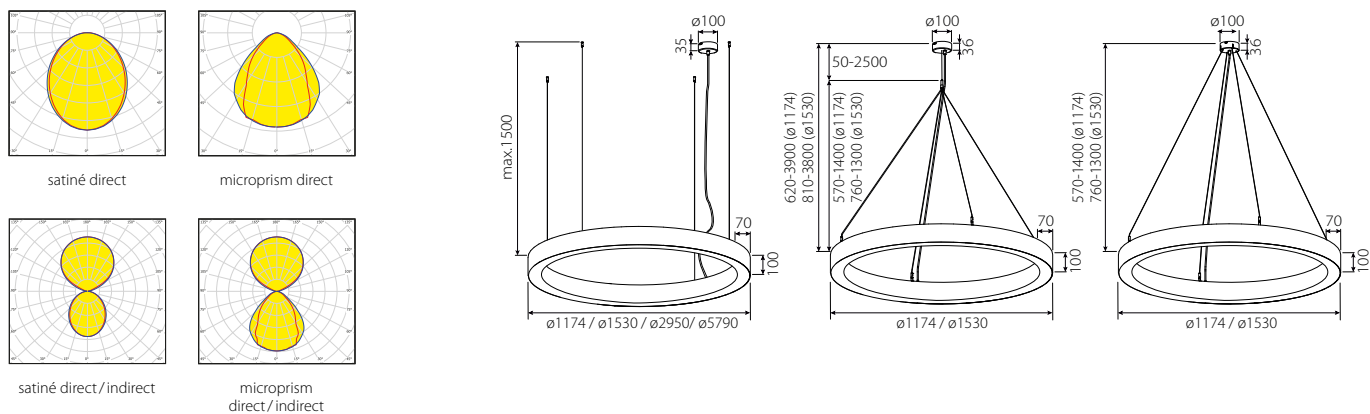
|  |                                     |          |
|--|-------------------------------------|----------|
|  | satiné                              | <b>S</b> |
|  | microprism, UGR < 19 (low versions) | <b>M</b> |

R33 **1 2 3 E 4 5 6 7**

R33H117-9016E1840H3S rope vertical, ø 1174 mm, white, direct, 4000 K, CRI > 80, high output DALI, satiné (order sample)

**● ONLINE CONFIGURATION**

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#### LUMINOUS FLUX (LM) / SYSTEM POWER (W)

| direct       |                     |                      |                        |         | direct/indirect     |                      |                        |         |  |
|--------------|---------------------|----------------------|------------------------|---------|---------------------|----------------------|------------------------|---------|--|
| 4000K satiné | low output CRI > 80 | high output CRI > 80 | dynamic white CRI > 90 |         | low output CRI > 80 | high output CRI > 80 | dynamic white CRI > 90 |         |  |
| ø 1174 mm    | 4507 lm / 44 W      | 8195 lm / 79 W       | 6153 lm / 81 W         | 18,4 kg | 12106 lm / 87 W     | 22012 lm / 158 W     | 15997 lm / 161 W       | 20,6 kg |  |
| ø 1530 mm    | 6010 lm / 58 W      | 10927 lm / 105 W     | 8555 lm / 108 W        | 24,5 kg | 16143 lm / 116 W    | 29350 lm / 210 W     | 20902 lm / 215 W       | 28,0 kg |  |
| ø 2950 mm    | 12020 lm / 116 W    | 21856 lm / 210 W     | 17458 lm / 215 W       | 35,4 kg | 32284 lm / 233 W    | 58700 lm / 421 W     | 41804 lm / 430 W       | 49,7 kg |  |
| ø 5790 mm    | 24040 lm / 233 W    | 43712 lm / 421 W     | 34916 lm / 430 W       | 69,4 kg | 64568 lm / 466 W    | 117400 lm / 842 W    | 83608 lm / 860 W       | 98,6 kg |  |

#### COMPARE COVER Ø 1530 MM

|                  |         |          |         |  |          |          |          |
|------------------|---------|----------|---------|--|----------|----------|----------|
| 4000K satiné     | 6010 lm | 10927 lm | 8555 lm |  | 16143 lm | 29350 lm | 20902 lm |
| 4000K microprism | 6393 lm | 11624 lm | 9370 lm |  | 16771 lm | 30491 lm | 21709 lm |

The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satiné-foil for increased homogeneity (direct: -28,2%, direct-indirect: -11,7% luminous flux).

Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (Direkt strahlend: -28,2%, direkt/indirekt strahlend: -11,7% Lichtstrom).

Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (direct: -28,2 %, direct-indirect: -11,7 % sur le flux lumineux).

Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (diretto: -28,2%, diretto-indiretto: -11,7% del flusso luminoso).





## 1 SUSPENSION

|  |                        |          |
|--|------------------------|----------|
|  | Rope vertical          | <b>H</b> |
|  | Rope centrally bundled | <b>Z</b> |

## 2 SIZE

|  |           |            |
|--|-----------|------------|
|  | ø 1174 mm | <b>117</b> |
|  | ø 1530 mm | <b>153</b> |

## 5 DIRECT / INDIRECT

|  |                   |          |
|--|-------------------|----------|
|  | direct            | <b>1</b> |
|  | direct / indirect | <b>2</b> |

## 6 LED

|  |                                       |            |
|--|---------------------------------------|------------|
|  | 3000 K, CRI > 80                      | <b>830</b> |
|  | 4000 K, CRI > 80                      | <b>840</b> |
|  | 3000 K, CRI > 90                      | <b>930</b> |
|  | 4000 K, CRI > 90                      | <b>940</b> |
|  | 2700 - 6500 K dynamic white, CRI > 90 | <b>HCL</b> |

## 3 ACOUSTIC MODULE

|  |                                        |           |
|--|----------------------------------------|-----------|
|  | QUIET.FELT standard anthracite melange | <b>QA</b> |
|  | QUIET.FELT standard pebble             | <b>QP</b> |
|  | QUIET.FELT standard lime               | <b>QL</b> |
|  | QUIET.FELT extra+ black *              | <b>QB</b> |
|  | QUIET.FELT extra+ fire *               | <b>QF</b> |
|  | QUIET.FELT extra+ light grey melange * | <b>QG</b> |
|  | QUIET.FELT extra+ chocolate *          | <b>QC</b> |
|  | Organoid® Mous *                       | <b>QM</b> |
|  | Organoid® Wollä *                      | <b>QW</b> |
|  | Organoid® Wildspitze *                 | <b>QH</b> |
|  | *on request                            |           |

## 4 COLOUR

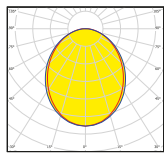
|  |                            |           |
|--|----------------------------|-----------|
|  | silver                     | <b>SI</b> |
|  | white                      | <b>WS</b> |
|  | black                      | <b>SW</b> |
|  | RAL of your choice (p. 23) |           |

## 7 OUTPUT / CONTROL

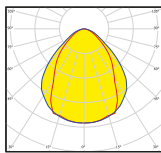
|  |                    |           |
|--|--------------------|-----------|
|  | low output non-dim | <b>L1</b> |
|  | low output DALI    | <b>L3</b> |
|  | high output DALI   | <b>H3</b> |
|  | dynamic white      | <b>X3</b> |

## 8 OPTIC

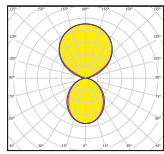
|  |                                     |          |
|--|-------------------------------------|----------|
|  | satiné                              | <b>S</b> |
|  | microprism, UGR < 19 (low versions) | <b>M</b> |



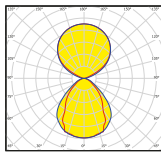
satiné direct



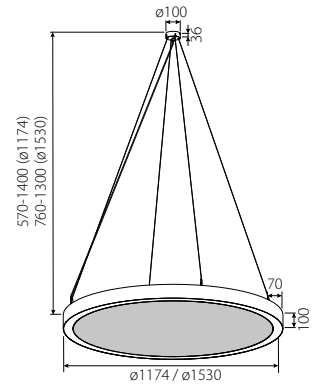
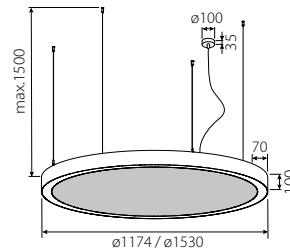
microprism direct



satiné direct/indirect



microprism  
direct/indirect



#### LUMINOUS FLUX (LM) / SYSTEM POWER (W)

| direct       |                     |                      |                        | direct / indirect   |                      |                        | direct/direct-indirect |
|--------------|---------------------|----------------------|------------------------|---------------------|----------------------|------------------------|------------------------|
| 4000K satiné | low output CRI > 80 | high output CRI > 80 | dynamic white CRI > 90 | low output CRI > 80 | high output CRI > 80 | dynamic white CRI > 90 |                        |
| ø 1174 mm    | 4507 lm / 44 W      | 8195 lm / 79 W       | 6153 lm / 81 W         | 12106 lm / 87 W     | 22012 lm / 158 W     | 15997 lm / 161 W       | 26,2 kg                |
| ø 1530 mm    | 6010 lm / 58 W      | 10927 lm / 105 W     | 8555 lm / 108 W        | 16143 lm / 116 W    | 29350 lm / 210 W     | 20902 lm / 215 W       | 39,5 kg                |

#### COMPARE COVER Ø 1530 MM

|                    |         |          |         |          |          |          |
|--------------------|---------|----------|---------|----------|----------|----------|
| 4000 K satiné      | 6388 lm | 11068 lm | 8555 lm | 15892 lm | 27696 lm | 20902 lm |
| 4000 K microprism* | 6928 lm | 12116 lm | 9370 lm | 16460 lm | 28872 lm | 21709 lm |

\*The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satiné-foil for increased homogeneity (direct: -28,2%, direct-indirect: -11,7% luminous flux).

Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (Direkt strahlend: -28,2%, direkt/indirekt strahlend: -11,7% Lichtstrom).

Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (direct: -28,2 %, direct-indirect: -11,7 % sur le flux lumineux).

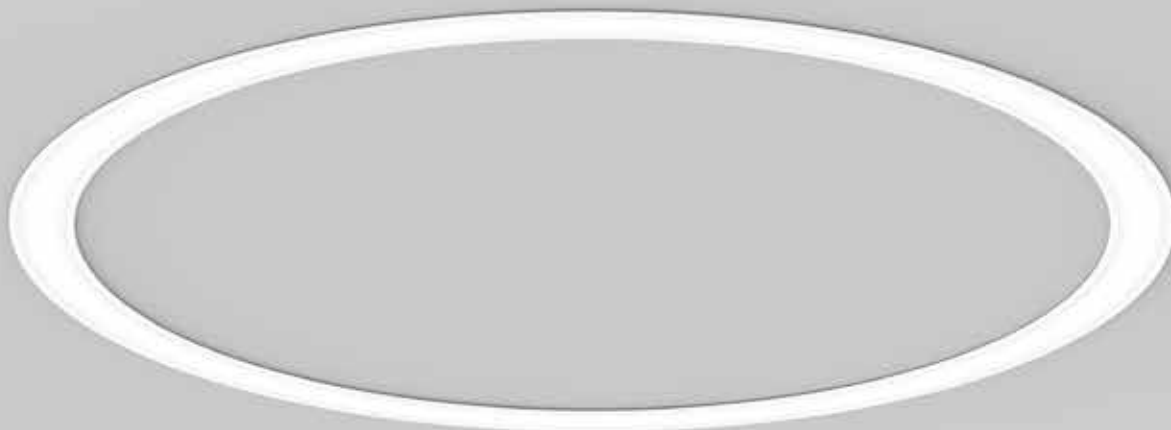
Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (diretto: -28,2%, diretto-indiretto: -11,7% del flusso luminoso).

#### ACOUSTIC ABSORBERS



# sinus frame

Recessed luminaire  
Einbauleuchte  
Luminaire encastré  
Apparecchio da incasso



## 1 SIZE

|    |           |            |
|----|-----------|------------|
| ◊  | ø 1190 mm | <b>119</b> |
| M  | ø 1546 mm | <b>154</b> |
| L  | ø 2966 mm | <b>296</b> |
| XL | ø 5806 mm | <b>580</b> |

## 2 COLOUR

|  |                            |             |
|--|----------------------------|-------------|
|  | silver                     | <b>9006</b> |
|  | white                      | <b>9016</b> |
|  | black                      | <b>9005</b> |
|  | RAL of your choice (p. 23) |             |

## 3 LED

|  |                                       |            |
|--|---------------------------------------|------------|
|  | 3000 K, CRI > 80                      | <b>830</b> |
|  | 4000 K, CRI > 80                      | <b>840</b> |
|  | 3000 K, CRI > 90                      | <b>930</b> |
|  | 4000 K, CRI > 90                      | <b>940</b> |
|  | 2700 - 6500 K dynamic white, CRI > 90 | <b>HCL</b> |

## 4 OUTPUT / CONTROL

|  |                    |           |
|--|--------------------|-----------|
|  | low output non-dim | <b>L1</b> |
|  | low output DALI    | <b>L3</b> |
|  | high output DALI   | <b>H3</b> |
|  | dynamic white      | <b>X3</b> |

## 5 OPTIC

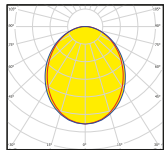
|  |                                     |          |
|--|-------------------------------------|----------|
|  | satiné                              | <b>S</b> |
|  | microprism, UGR < 19 (low versions) | <b>M</b> |

R33E1-2E1345

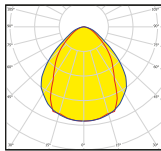
R33E119-9016E1840H3S ø 1190 mm, white, 4000 K, CRI > 80, high output DALI, satiné (order sample)

● ONLINE CONFIGURATION

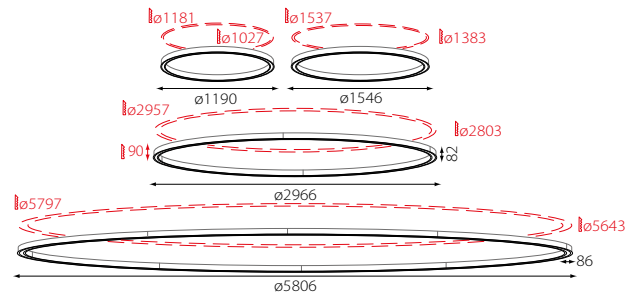
KATALOG.PLANLICHT.COM



satiné



microprism



## LUMINOUS FLUX (LM) / SYSTEM POWER (W)

| 4000K satiné          | low output CRI > 80 | high output CRI > 80 | dynamic white CRI > 90 |         |
|-----------------------|---------------------|----------------------|------------------------|---------|
| $\varnothing 1190$ mm | 4507 lm / 44 W      | 8195 lm / 79 W       | 6153 lm / 81 W         | 12,8 kg |
| $\varnothing 1546$ mm | 6010 lm / 58 W      | 10927 lm / 105 W     | 8555 lm / 108 W        | 16,7 kg |
| $\varnothing 2966$ mm | 12020 lm / 116 W    | 21856 lm / 210 W     | 17458 lm / 215 W       | 32,2 kg |
| $\varnothing 5806$ mm | 24040 lm / 233 W    | 43712 lm / 421 W     | 34916 lm / 430 W       | 63,1 kg |

COMPARE COVER  $\varnothing 1546$  MM, 4000K, CRI > 80

|             |         |          |         |
|-------------|---------|----------|---------|
| satiné      | 3010 lm | 10927 lm | 8555 lm |
| microprism* | 6393 lm | 11624 lm | 9370 lm |

\*The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satiné-foil for increased homogeneity (-28,2% luminous flux).

Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (-28,2% Lichtstrom).

Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (-28,2 % sur le flux lumineux).

Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-28,2% del flusso luminoso).



## CUT OUT

| SIZE                  | $\varnothing$ DIAMETER       | $\uparrow$ DEPTH |
|-----------------------|------------------------------|------------------|
| $\varnothing 1190$ mm | $\varnothing 1181 / 1027$ mm | 90 mm            |
| $\varnothing 1546$ mm | $\varnothing 1537 / 1383$ mm | 90 mm            |
| $\varnothing 2966$ mm | $\varnothing 2957 / 2803$ mm | 90 mm            |
| $\varnothing 5806$ mm | $\varnothing 5797 / 5643$ mm | 90 mm            |

## ALSO AVAILABLE AS A SYSTEM p. 18



# sinus.quiet frame

Recessed luminaire  
Einbauleuchte  
Luminaire encastré  
Apparecchio da incasso



## 1 SIZE

|                                                                                     |           |            |
|-------------------------------------------------------------------------------------|-----------|------------|
|  | ø 1190 mm | <b>119</b> |
|  | ø 1546 mm | <b>154</b> |

## 2 ACOUSTIC MODULE

|                                                                                     |                                        |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|
|  | QUIET.FELT standard anthracite melange | <b>QA</b>                                                                            |
|  | QUIET.FELT standard pebble             | <b>QP</b>                                                                            |
|  | QUIET.FELT standard lime               | <b>QL</b>                                                                            |
|  | QUIET.FELT extra+ black *              | <b>QB</b>                                                                            |
|  | QUIET.FELT extra+ fire *               | <b>QF</b>                                                                            |
|  | QUIET.FELT extra+ light grey melange * | <b>QG</b>                                                                            |
|  | QUIET.FELT extra+ chocolate *          | <b>QC</b>                                                                            |
|  | Organoid® Mous *                       | <b>QM</b>                                                                            |
|  | Organoid® Wollä *                      | <b>QW</b>                                                                            |
|  | Organoid® Wildspitze *                 | <b>QH</b>                                                                            |
|                                                                                     | * on request                           |  |

## 3 COLOUR

|                                                                                       |                            |                                                                                       |
|---------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
|  | silver                     | <b>SI</b>                                                                             |
|  | white                      | <b>WS</b>                                                                             |
|  | black                      | <b>SW</b>                                                                             |
|  | RAL of your choice (p. 23) |  |

## 4 LED

|                                                                                     |                                       |            |
|-------------------------------------------------------------------------------------|---------------------------------------|------------|
|  | 3000 K, CRI > 80                      | <b>830</b> |
|  | 4000 K, CRI > 80                      | <b>840</b> |
|  | 3000 K, CRI > 90                      | <b>930</b> |
|  | 4000 K, CRI > 90                      | <b>940</b> |
|  | 2700 - 6500 K dynamic white, CRI > 90 | <b>HCL</b> |

## 5 OUTPUT / CONTROL

|                                                                                     |                    |           |
|-------------------------------------------------------------------------------------|--------------------|-----------|
|  | low output non-dim | <b>L1</b> |
|  | low output DALI    | <b>L3</b> |
|  | high output DALI   | <b>H3</b> |
|  | dynamic white      | <b>X3</b> |

## 6 OPTIC

|                                                                                       |                                     |          |
|---------------------------------------------------------------------------------------|-------------------------------------|----------|
|  | satiné                              | <b>S</b> |
|  | microprism, UGR < 19 (low versions) | <b>M</b> |

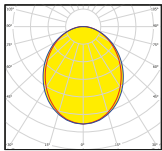
R33E1-23E1456

R33E119-QPWSE1840H35 ø 1190 mm, standard pebble, white, 4000 K, CRI > 80, high output DALI, satiné (order sample)

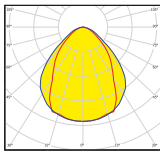
ONLINE CONFIGURATION

KATALOG.PLANLICHT.COM

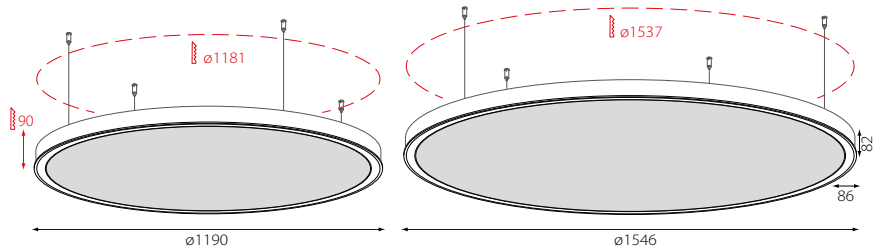




satiné direct



microprism direct



LUMINOUS FLUX (LM) / SYSTEM POWER (W)

| 4000K satiné | low output CRI > 80 | high output CRI > 80 | dynamic white CRI > 90 |         |
|--------------|---------------------|----------------------|------------------------|---------|
| ø 1190 mm    | 4507 lm / 44 W      | 8195 lm / 79 W       | 6153 lm / 81 W         | 26,2 kg |
| ø 1546 mm    | 6010 lm / 58 W      | 10927 lm / 105 W     | 8555 lm / 108 W        | 39,5 kg |

COMPARE COVER Ø 1546 MM, 4000K, CRI > 80

|             |         |          |         |
|-------------|---------|----------|---------|
| satiné      | 3010 lm | 10927 lm | 8555 lm |
| microprism* | 6393 lm | 11624 lm | 9370 lm |

\*The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satiné-foil for increased homogeneity (-28,2% luminous flux).

Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikrop Prismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (-28,2% Lichtstrom).

Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (-28,2 % sur le flux lumineux).

Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (-28,2% del flusso luminoso).

CUT OUT

| SIZE      | ø DIAMETER | ↑ DEPTH |
|-----------|------------|---------|
| ø 1190 mm | ø 1181 mm  | 90 mm   |
| ø 1546 mm | ø 1537 mm  | 90 mm   |

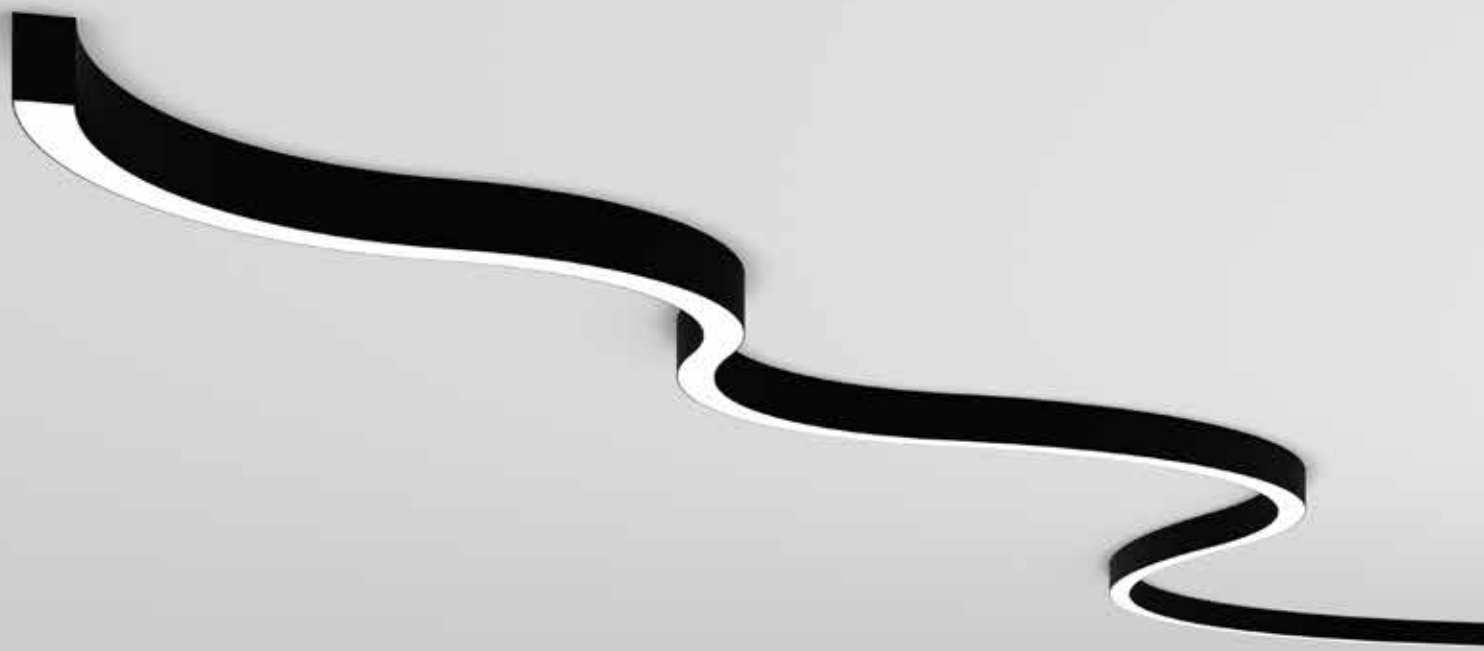
ACOUSTIC ABSORBERS



# sinus

## (compatible with pure 3 systems)

Systems | Components  
Systeme | Komponenten  
Systèmes | Composants  
Sistemi | Componenti



### 1 MOUNTING

|  |                              |
|--|------------------------------|
|  | surface-mount/pendant direct |
|  | pendant direct-indirect      |
|  | recessed                     |

**A**  
**H**  
**E**

### 2 ANGLE/RADIUS

|                |
|----------------|
| 45°, r 552 mm  |
| 90°, r 552 mm  |
| 45°, r 730 mm  |
| 90°, r 730 mm  |
| 45°, r 1440 mm |
| 90°, r 1440 mm |
| 45°, r 2860 mm |

**14**  
**19**  
**34**  
**39**  
**54**  
**59**  
**74**

### 3 COLOUR

|  |                            |             |
|--|----------------------------|-------------|
|  | silver                     | <b>9006</b> |
|  | white                      | <b>9016</b> |
|  | black                      | <b>9005</b> |
|  | RAL of your choice (p. 23) |             |

### 4 DIRECT/INDIRECT

|  |                                |
|--|--------------------------------|
|  | direct                         |
|  | direct/indirect (only pendant) |

**1**  
**2**

### 5 LED

|  |                                      |
|--|--------------------------------------|
|  | 3000 K, CRI > 80                     |
|  | 4000 K, CRI > 80                     |
|  | 3000 K, CRI > 90                     |
|  | 4000 K, CRI > 90                     |
|  | 2700-6500 K, dynamic white, CRI > 90 |

**830**  
**840**  
**930**  
**940**  
**HCL**

### 6 OUTPUT/DIM

|  |                    |           |
|--|--------------------|-----------|
|  | low output non-dim | <b>L1</b> |
|  | low output DALI    | <b>L3</b> |
|  | high output DALI   | <b>H3</b> |
|  | dynamic white      | <b>X3</b> |

### 7 DIFFUSER

|  |                                     |
|--|-------------------------------------|
|  | satiné                              |
|  | microprism, UGR < 19 (low versions) |

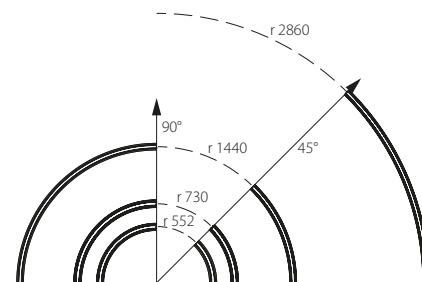
**S**  
**M**

P33-1-2-3E456

P33-H14-9016E2830H3S 45°, r 552 mm, white, pendant, direct/indirect, 3000 K, CRI > 80, high output DALI, satiné (order sample)

ONLINE CONFIGURATION

KATALOG.PLANLICHT.COM



| satiné (S)     | direct           |                  |                  |                  |                                          | direct/indirect  |                  |                  |                  |                                          |
|----------------|------------------|------------------|------------------|------------------|------------------------------------------|------------------|------------------|------------------|------------------|------------------------------------------|
|                | low output       |                  | high output      |                  | dynamic white<br>CRI > 90<br>2700-6500 K | low output       |                  | high output      |                  | dynamic white<br>CRI > 90<br>2700-6500 K |
|                | 3000 K           | 4000 K           | 3000 K           | 4000 K           |                                          | 3000 K           | 4000 K           | 3000 K           | 4000 K           |                                          |
| 45°, r 552 mm  | 547 lm / 5,5 W   | 563 lm / 5,5 W   | 994 lm / 9,9 W   | 1024 lm / 9,9 W  |                                          | 1469 lm / 11 W   | 1494 lm / 11 W   | 2672 lm / 19,5 W | 2751 lm / 19,5 W |                                          |
| 90°, r 552 mm  | 1095 lm / 11 W   | 1127 lm / 11 W   | 1990 lm / 19,5 W | 2049 lm / 19,5 W | 785 lm / 10 W                            | 2940 lm / 22 W   | 3027 lm / 22 W   | 5344 lm / 39 W   | 5503 lm / 39 W   | 2108 lm / 20 W                           |
| 45°, r 730 mm  | 729 lm / 7,3 W   | 751 lm / 7,3 W   | 1327 lm / 13 W   | 1366 lm / 13 W   | 1570 lm / 20 W                           | 1960 lm / 14,5 W | 2018 lm / 14,5 W | 3563 lm / 26 W   | 3669 lm / 26 W   | 4216 lm / 40 W                           |
| 90°, r 730 mm  | 1459 lm / 14,5 W | 1502 lm / 14,5 W | 2653 lm / 26 W   | 2732 lm / 26 W   | 2093 lm / 27 W                           | 3919 lm / 29 W   | 4035 lm / 29 W   | 7126 lm / 53 W   | 7338 lm / 53 W   | 5622 lm / 54 W                           |
| 45°, r 1440 mm | 1459 lm / 14,5 W | 1502 lm / 14,5 W | 2653 lm / 26 W   | 2732 lm / 26 W   | 2093 lm / 27 W                           | 3919 lm / 29 W   | 4035 lm / 29 W   | 7126 lm / 53 W   | 7338 lm / 53 W   | 5622 lm / 54 W                           |
| 90°, r 1440 mm | 2918 lm / 29 W   | 3005 lm / 29 W   | 5306 lm / 53 W   | 5464 lm / 53 W   | 4186 lm / 54 W                           | 7838 lm / 58 W   | 8071 lm / 58 W   | 14252 lm / 105 W | 14675 lm / 105 W | 11243 lm / 108 W                         |
| 45°, r 2860 mm | 2918 lm / 29 W   | 3005 lm / 29 W   | 5306 lm / 53 W   | 5464 lm / 53 W   | 4186 lm / 54 W                           | 7838 lm / 58 W   | 8071 lm / 58 W   | 14252 lm / 105 W | 14675 lm / 105 W | 11243 lm / 108 W                         |

| direct          |                  |                  |                  |                  |                           | direct / indirect |                |                  |                  |                           |
|-----------------|------------------|------------------|------------------|------------------|---------------------------|-------------------|----------------|------------------|------------------|---------------------------|
| microprism (M)* | low output       |                  | high output      |                  | dynamic white<br>CRI > 90 | low output        |                | high output      |                  | dynamic white<br>CRI > 90 |
|                 | 3000 K           | 4000 K           | 3000 K           | 4000 K           | 2700-6500 K               | 3000 K            | 4000 K         | 3000 K           | 4000 K           | 2700-6500 K               |
| 45°, r 552 mm   | 582 lm / 6,3 W   | 599 lm / 6,3 W   | 1057 lm / 10,5 W | 1089 lm / 10,5 W |                           | 1526 lm / 11 W    | 1572 lm / 11 W | 2776 lm / 19,5 W | 2858 lm / 19,5 W |                           |
| 90°, r 552 mm   | 1165 lm / 12,5 W | 1199 lm / 12,5 W | 2117 lm / 21 W   | 2180 lm / 21 W   | 835 lm / 23 W             | 3054 lm / 22 W    | 3145 lm / 22 W | 5552 lm / 39 W   | 5717 lm / 39 W   | 2190 lm / 40 W            |
| 45°, r 730 mm   | 775 lm / 8,9 W   | 799 lm / 8,9 W   | 1412 lm / 14,5 W | 1453 lm / 14,5 W | 1670 lm / 16 W            | 2036 lm / 16 W    | 2096 lm / 16 W | 3702 lm / 27 W   | 3812 lm / 27 W   | 4380 lm / 28 W            |
| 90°, r 730 mm   | 1552 lm / 16 W   | 1598 lm / 16 W   | 2822 lm / 27 W   | 2906 lm / 27 W   | 2226 lm / 28 W            | 4071 lm / 29 W    | 4192 lm / 29 W | 7403 lm / 53 W   | 7623 lm / 53 W   | 5841 lm / 54 W            |
| 45°, r 1440 mm  | 1552 lm / 16 W   | 1598 lm / 16 W   | 2822 lm / 27 W   | 2906 lm / 27 W   | 2226 lm / 28 W            | 4071 lm / 29 W    | 4192 lm / 29 W | 7403 lm / 53 W   | 7623 lm / 53 W   | 5841 lm / 54 W            |
| 90°, r 1440 mm  | 3104 lm / 29 W   | 3197 lm / 29 W   | 5932 lm / 53 W   | 5812 lm / 53 W   | 4453 lm / 54 W            | 8143 lm / 55 W    | 8385 lm / 55 W | 14806 lm / 107 W | 15246 lm / 107 W | 11680 lm / 108 W          |
| 45°, r 2860 mm  | 3104 lm / 29 W   | 3197 lm / 29 W   | 5932 lm / 53 W   | 5812 lm / 53 W   | 4453 lm / 54 W            | 8143 lm / 55 W    | 8385 lm / 55 W | 14806 lm / 107 W | 15246 lm / 107 W | 11680 lm / 108 W          |

*Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (diretto: -28,2%, diretto-indiretto: -11,7% del flusso luminoso).*

| <b>WEIGHT</b>  | <b>direct</b> | <b>direct / indirect</b> |
|---------------------------------------------------------------------------------------------------|---------------|--------------------------|
| 45°, r 552 mm                                                                                     | 1,6 kg        | 1,7 kg                   |
| 90°, r 552 mm                                                                                     | 3,2kg         | 3,5kg                    |
| 45°, r 730 mm                                                                                     | 2,1 kg        | 2,3 kg                   |
| 90°, r 730 mm                                                                                     | 4,2 kg        | 4,5 kg                   |
| 45°, r 1440 mm                                                                                    | 4,0 kg        | 4,4 kg                   |
| 90°, r 1440 mm                                                                                    | 8,0 kg        | 8,7 kg                   |
| 45°, r 2860 mm                                                                                    | 7,9 kg        | 8,6 kg                   |



# felt

Acoustic panel  
Akustikpaneel  
Panneau acoustique  
Elementi fonoassorbenti



suspended round



wall mounted (magnetic)  
rectangle 604 x 1204 mm



wall mounted (magnetic)  
square 604 x 604 mm

## 1 TYPE

-  Suspended Rectangle / Square
-  Suspended Round
-  Wall Mounted Rectangle / Square

## 2 SIZE

-  604x604 mm
-  604x1204 mm
-  Ø 700 mm
-  Ø 900 mm
-  Ø 1200 mm

## 3 MATERIAL

- |                                                                                       |                                        |           |
|---------------------------------------------------------------------------------------|----------------------------------------|-----------|
|  | QUIET.FELT standard anthracite melange | <b>QA</b> |
|  | QUIET.FELT extra+ light grey melange   | <b>QG</b> |
|  | QUIET.FELT standard lime               | <b>QL</b> |

643-1-2-3

643-WE120-QA 600 x 1200 mm, anthracite melange acoustic module (order sample)

ONLINE CONFIGURATION

KATALOG.PLANLICHT.COM


**EQUIVALENT SOUND ABSORPTION AREA / ABSORBER QUIET.FELT**
 $A_{eq}$ 

| Frequency Hz | 100  | 125  | 160  | 200  | 250  | 315  | 400  | 500  | 630  | 800  | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 600x600 mm   | 0,16 | 0,24 | 0,40 | 0,64 | 0,74 | 0,83 | 0,94 | 1,02 | 1,08 | 1,09 | 1,07 | 1,08 | 1,04 | 1,02 | 1,00 | 1,01 | 1,02 | 1,03 |
| 600x1200 mm  | 0,15 | 0,26 | 0,41 | 0,63 | 0,75 | 0,84 | 0,95 | 1,03 | 1,09 | 1,10 | 1,08 | 1,08 | 1,05 | 1,02 | 1,00 | 1,02 | 1,03 | 1,03 |
| Ø 900 mm     | 0,03 | 0,07 | 0,25 | 0,37 | 0,42 | 0,52 | 0,53 | 0,69 | 0,81 | 0,89 | 1,06 | 1,1  | 1,2  | 1,21 | 1,26 | 1,25 | 1,23 | 1,22 |

**RECOMMENDED NUMBER OF PANELS**

|                                  |            |            |            |           |           |           |
|----------------------------------|------------|------------|------------|-----------|-----------|-----------|
| panel 600x1200 mm                | 2x         | 4x         | 6x         | 8x        | 12x       | 15x       |
| panel 600x600 mm                 | 4x         | 8x         | 12x        | 16x       | 24x       | 30x       |
| Ø 700 mm                         | 4x         | 8x         | 12x        | 16x       | 24x       | 30x       |
| Ø 900 mm                         | 2-3x       | 4-5x       | 6-7x       | 9x        | 13-14x    | 17x       |
| Ø 1200 mm                        | 1-2x       | 2-3x       | 4x         | 5-6x      | 8x        | 10x       |
| small rooms < 15 m <sup>2</sup>  | noticeable | good       | very good  | excellent |           |           |
| medium rooms < 20 m <sup>2</sup> |            | noticeable | good       | very good | excellent |           |
| large rooms < 35 m <sup>2</sup>  |            | noticeable | noticeable | good      | very good | excellent |

**ACOUSTIC PANEL**

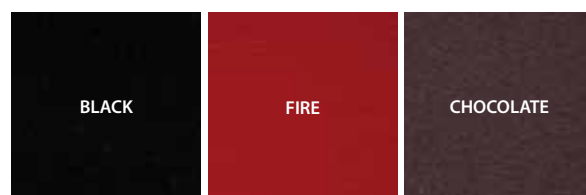
ISO 11654: Class A,  $\alpha_w = 1,00$ 

EN 13501-1: B-s2,d0

For exact planning contact your local acoustic physicist.

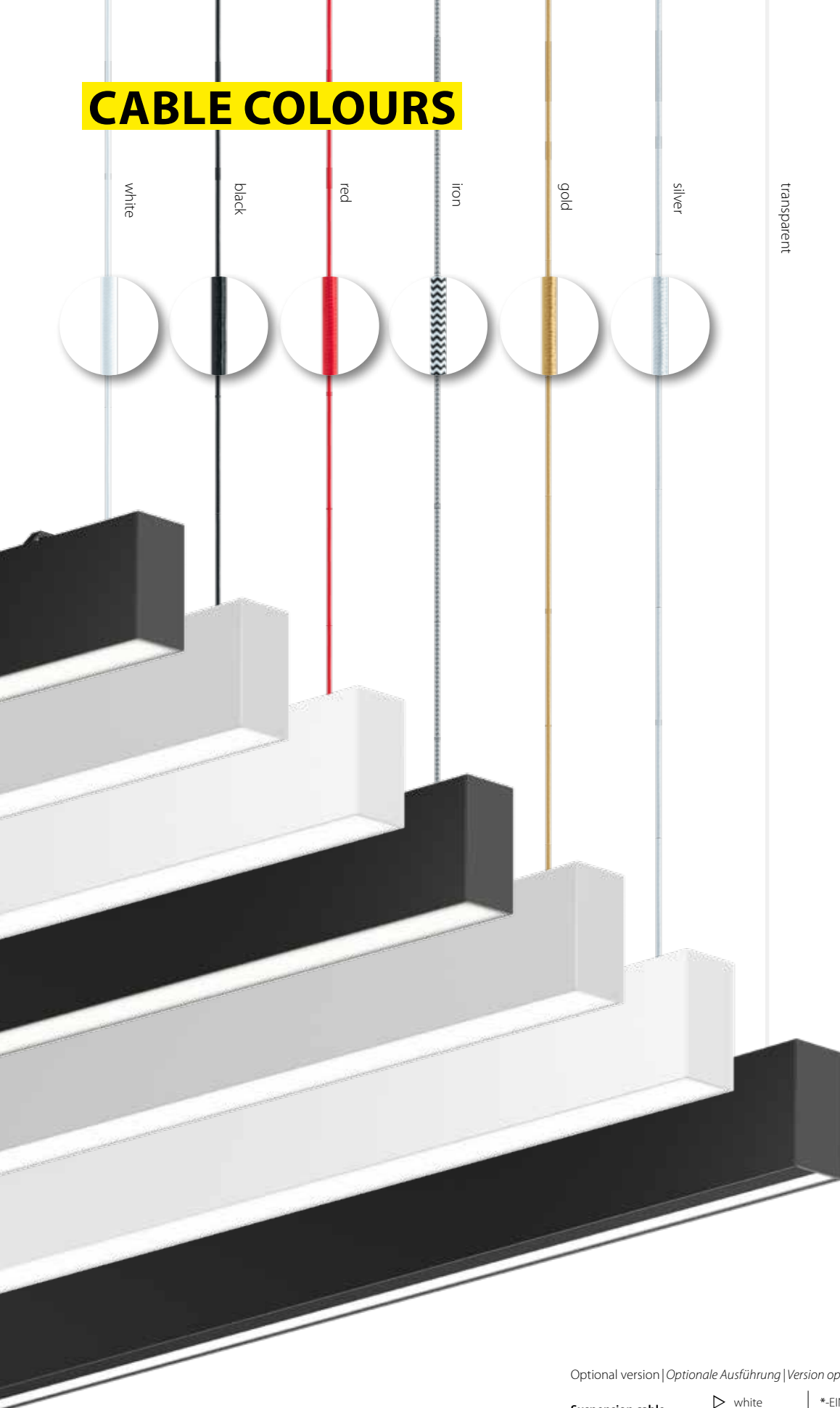
**3 MATERIAL OPTIONS**


available as stand-alone panel and for sinus.quiet and quadro.quiet



available for sinus.quiet and quadro.quiet on request

# CABLE COLOURS

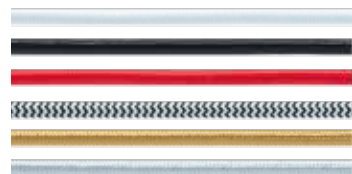


Optional version | Optionale Ausführung | Version optionnelle | Versione opzionale

**Suspension cable**  
**Einspeiskabel**  
**Câble d'alimentation**  
**Cavo di alimentazione**

1750mm  
 5x0,75 mm<sup>2</sup>

|          |              |
|----------|--------------|
| ▷ white  | *-EIN-WHITE  |
| ▶ black  | *-EIN-BLACK  |
| ▶ red    | *-EIN-RED    |
| ▷ iron   | *-EIN-IRON   |
| ▷ gold   | *-EIN-GOLD   |
| ▷ silver | *-EIN-SILVER |



Transparent cable incl. (standard version)

for special requests

# HOUSING COLOURS





# ABSORBER COLOURS

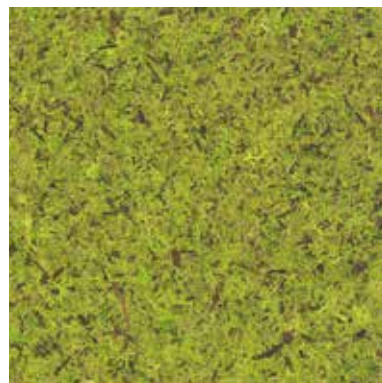
ORGANOID®



WILDSPITZE  
[vɪltʃpɪtsə]



WOLLÄ  
[ˈvɔlə]



MOUS  
[ˈməʊz]

## FELT.QUIET

STANDARD



ANTHRACITE MELANGE



LIME



PEBBLE | KIESEL

EXTRA +



BLACK



FIRE



CHOCOLATE



LIGHT GREY MELANGE



## NOTES

[illegible]

## IMPORTANT REMARKS

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\* The power output, luminous flux and colour temperature can be slightly different due to specific electronic components used in the manufacturing process.  
The power output and luminous flux can differ by +/- 10%. The colour temperature can differ by +/- 150K. Luminous flux dynamic white at 2700K.

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\* Leistung, Lichtstrom und Farbtemperatur unterliegen durch den Einsatz von elektronischen Bauteilen produktionsbedingten Toleranzen. Toleranzen Leistung und Lichtstrom: +/- 10%. Toleranz Farbtemperatur: +/- 150K. Lichtstrom dynamisch weiss bei 2700K.

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\* La puissance, le flux lumineux et la température de couleur peuvent légèrement différer en raison de l'utilisation de composants électroniques spécifiques dans le processus de production. La puissance et le flux lumineux peuvent différer de +/- 10%. La température de couleur peut différer de +/- 150K. Flux lumineux blanc dynamique à 2700K.

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\* La Potenza, il flusso luminoso e la temperatura colore possono essere leggermente diversi a causa delle componenti elettroniche usate nel processo di produzione. La potenza e il flusso possono variare del +/- 10%. La temperatura colore di +/- 150K. Flusso luminoso bianco dinamico a 2700K.



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## IMPRINT

**Publisher:** planlicht GmbH & Co. KG, Vomp  
**Creative Concept:** PLANLICHT Marketing Team  
**Print:** LANAREPRO, Lana (BZ)  
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