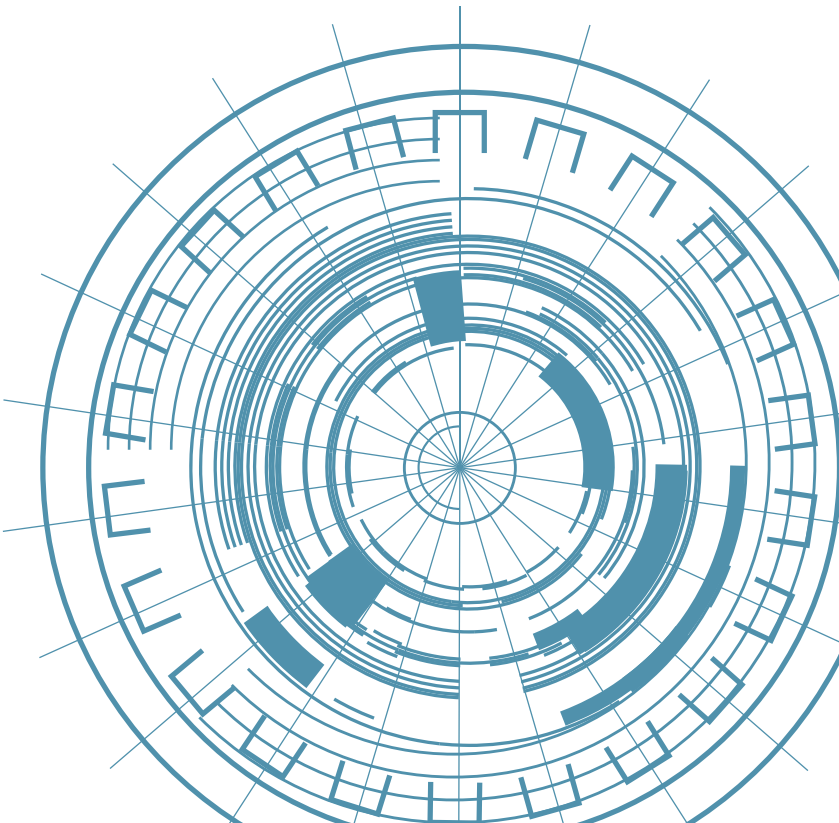
liha

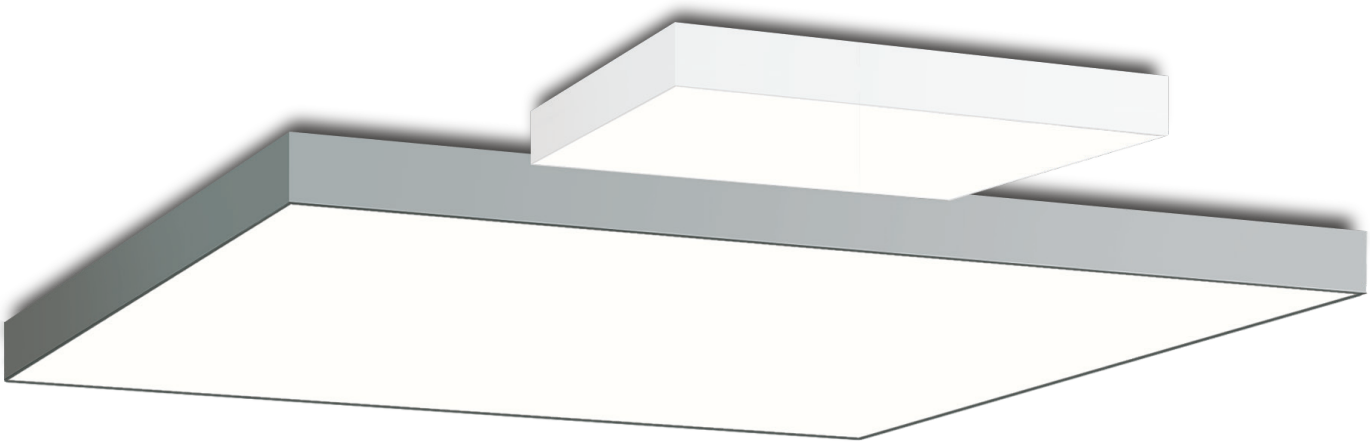
FOCUS

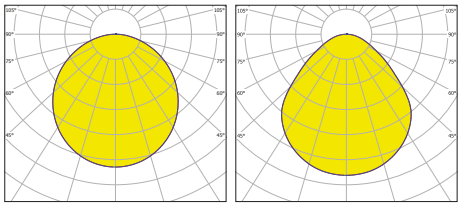
planlicht



liha

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone





satiné microprism

A++ A

230V IP20 IP54 R_a>80 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

3000 K, 4000 K, dynamic white

up to 149 lm / W

R_a > 80, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG0

Lifetime up to L80 / 50.000 h

Optic

direct

satiné

microprism for reduced brightness (LRA)

INDOOR USE ONLY!

Options

Emergency lighting 3 h

RAL of your choice

Rod suspension

CRI R_a>90 VERSIONS ON DEMAND

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

310×310 mm	**03Q**
450×450 mm	**04Q**
600×600 mm	**06Q**
900×900 mm (IP20 only)	**09Q**
1200×1200 mm (IP20 only)	**12Q**

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber | silver | argent | argento (RAL 9006)	**9006**
weiß | white | blanc | bianco (RAL 9016)	**9016**
schwarz | black | noir | nero (RAL 9005)	**9005**

RAL colours on request

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20	**C**
IP54 (no Emergency lighting)	**Q**

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	**830**
4000 K	**840**
2700 - 6500 K dynamic white	**HCL**

5 Output

low output non-dim	**L1**
low output DALI	**L3**
high output DALI	**H3**
dynamic white	**X3**

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	**S**
microprism	**M**

Beispiel | Example | Exemple | Esempio

450×450 mm, white, IP54, 4000 K, high output DALI, satiné

F51A04Q-9016Q1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
310×310 mm	2378 lm	1394 lm
450×450 mm	4457 lm	2697 lm
600×600 mm	9257 lm	4771 lm
900×900 mm	18079 lm	9416 lm
1200×1200 mm	30542 lm	15263 lm

System Power (W)

	high output	low output	dynamic white
310×310 mm	21 W	12 W	21 W
450×450 mm	35 W	20 W	35 W
600×600 mm	66 W	33 W	66 W
900×900 mm	124 W	63 W	124 W
1200×1200 mm	221 W	106 W	221 W

Weight (kg)

310×310 mm	4,6 kg
450×450 mm	6,1 kg
600×600 mm	11,1 kg
900×900 mm	17,7 kg
1200×1200 mm	25,1 kg

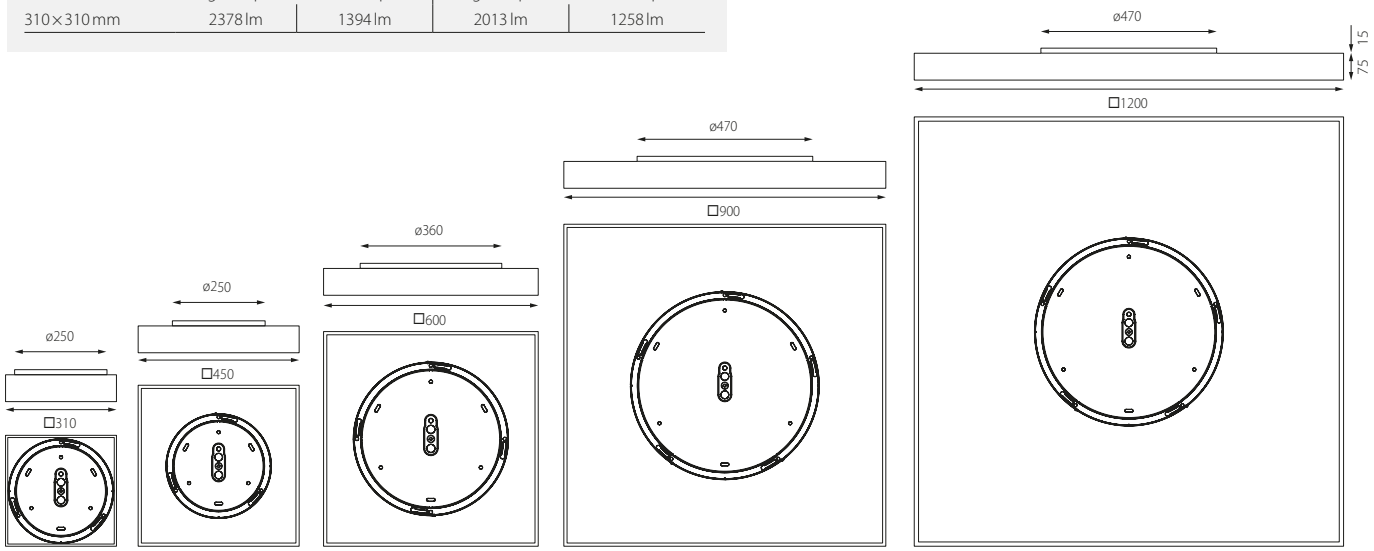
COMPARE **LIGHT COLOUR**

Luminous Flux (lm)	**3000 K**		**4000 K**		**dynamic white**
satiné	high output	low output	high output	low output	2700-6500 K
310×310 mm	2236 lm	1311 lm	2378 lm	1394 lm	2097 lm

FILTER ONLINE
https://katalog.planlicht.com

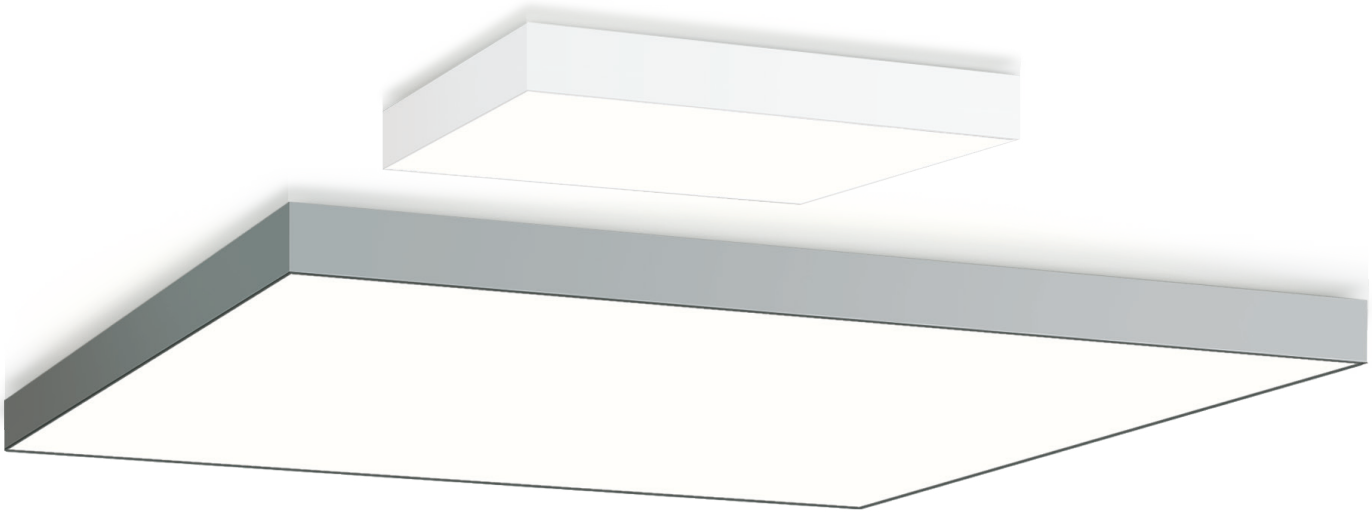
COMPARE **COVER**

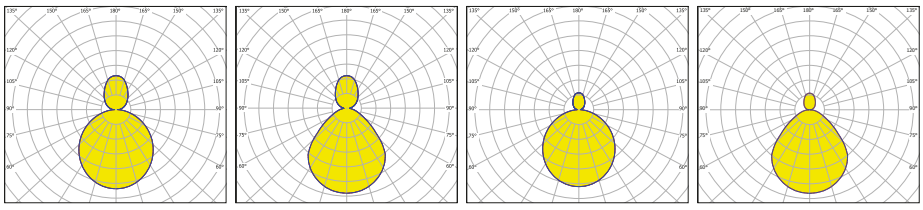
Luminous Flux (lm)	**satiné**		**microprism**	
4000 K	high output	low output	high output	low output
310×310 mm	2378 lm	1394 lm	2013 lm	1258 lm



liha direct / indirect

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone





low output satiné | low output microprism | high output satiné | high output microprism

A++ A

230V IP20 R_a>80 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

3000 K, 4000 K

up to 142 lm / W

R_a > 80, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG0

Lifetime up to L80 / 50.000 h

Optic

direct / indirect

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3 h

RAL of your choice

Rod suspension

CRI R_a>90 VERSIONS ON DEMAND

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

450×450 mm	**04Q**
600×600 mm	**06Q**
900×900 mm	**09Q**
1200×1200 mm	**12Q**

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber | silver | argent | argento (RAL 9006)	**9006**
weiß | white | blanc | bianco (RAL 9016)	**9016**
schwarz | black | noir | nero (RAL 9005)	**9005**

RAL colours on request

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	**830**
4000 K	**840**

4 Output

low output non-dim	**L1**
low output DALI	**L3**
high output DALI	**H3**

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	**S**
microprism	**M**

Beispiel | Example | Exemple | Esempio

450×450 mm, white, 4000 K, high output DALI, satiné

F51A04Q-9016C2840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
450×450 mm	5597 lm	3832 lm
600×600 mm	10427 lm	5992 lm
900×900 mm	20232 lm	11670 lm
1200×1200 mm	32691 lm	17518 lm

System Power (W)

	high output	low output
450×450 mm	45 W	30 W
600×600 mm	77 W	44 W
900×900 mm	144 W	82 W
1200×1200 mm	240 W	124 W

Weight (kg)

450×450 mm	6,1 kg
600×600 mm	11,1 kg
900×900 mm	17,7 kg
1200×1200 mm	25,1 kg

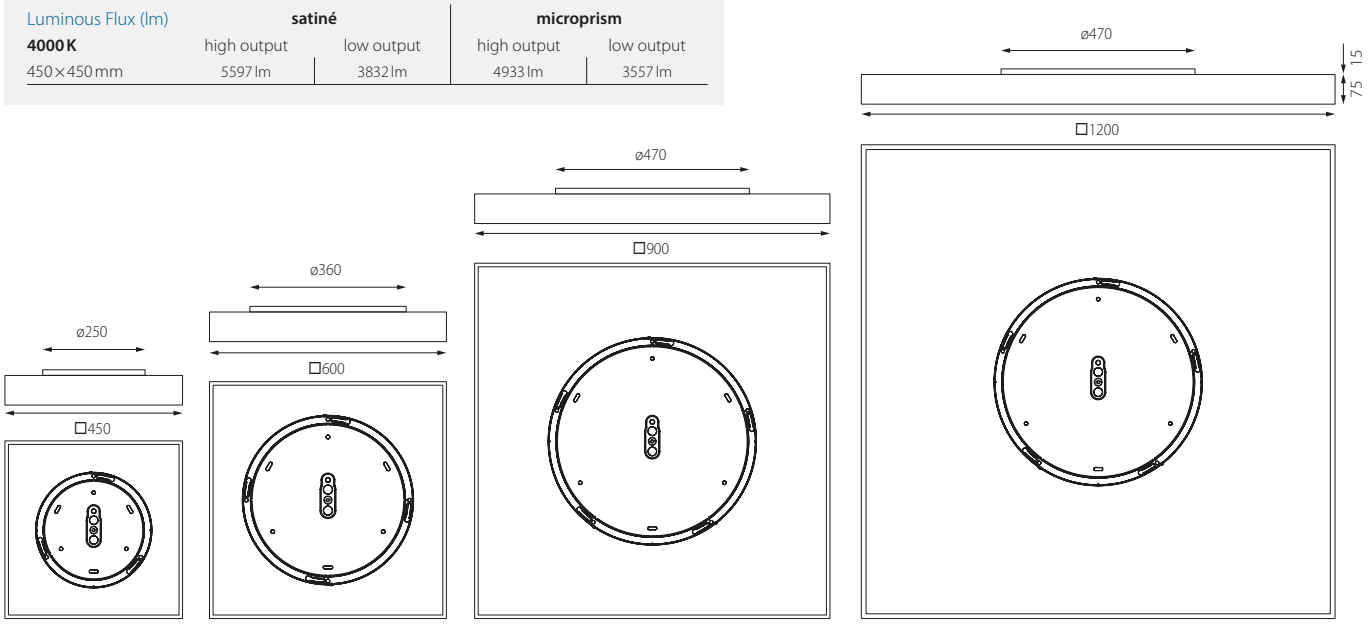
COMPARE **LIGHT COLOUR**

Luminous Flux (lm)	**3000 K**		**4000 K**	
satiné	high output	low output	high output	low output
450×450 mm	5219 lm	3560 lm	5597 lm	3832 lm

FILTER ONLINE
https://katalog.planlicht.com

COMPARE **COVER**

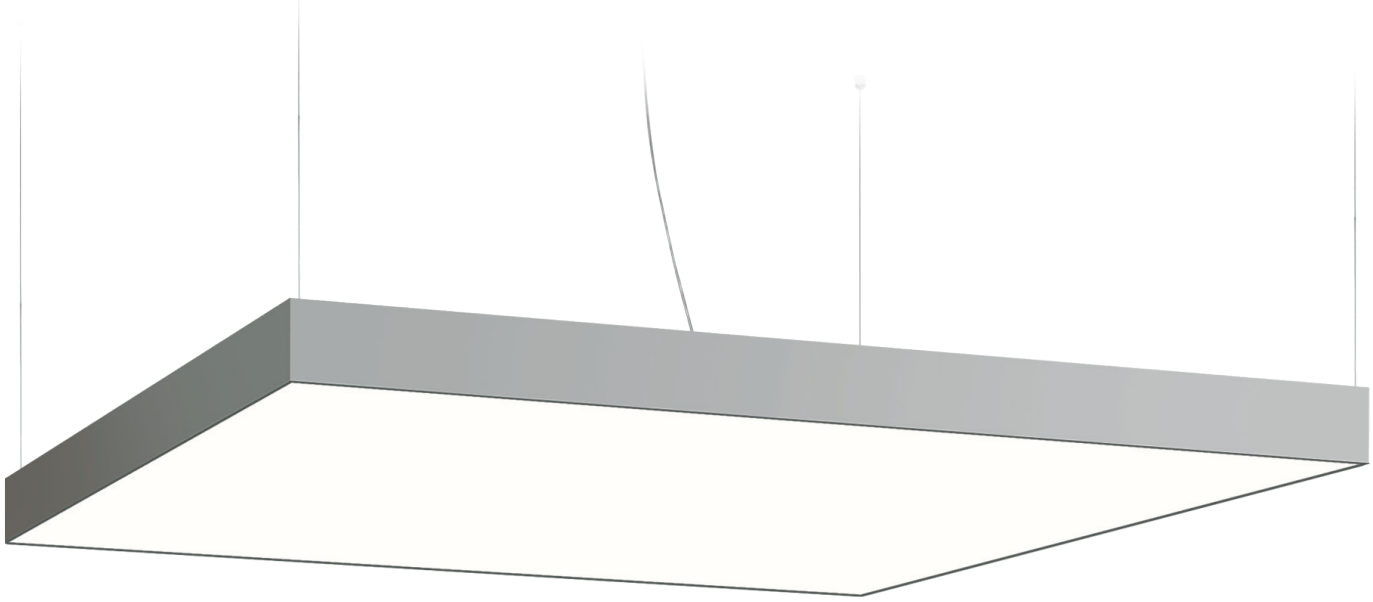
Luminous Flux (lm)	**satiné**		**microprism**	
4000 K	high output	low output	high output	low output
450×450 mm	5597 lm	3832 lm	4933 lm	3557 lm

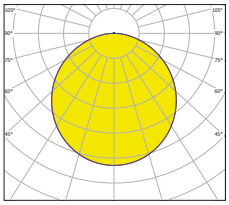


Campus Heilbronn, Germany

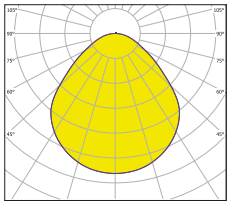
liha direct

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione

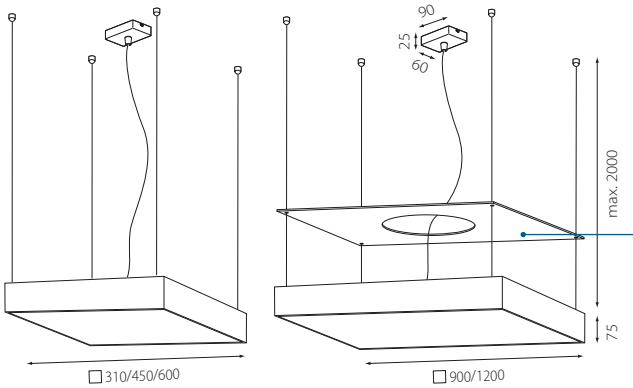




satiné



microprism



Optional:
Kaschierung Indirektseite
Cover Plate, Indirect Side
Plaque de recouvrement côté indirect
Rivestimento lato indiretto

A++ A

230V IP20 R_a>80 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

- 3000 K, 4000 K, dynamic white
- up to 148 lm/W
- R_a>80, MacAdam 3
- non-dim / DALI
- IEC 62471: Blue light hazard: RG 0
- Lifetime up to L80 / 50.000 h

Optic

- direct
- satiné
- microprism for reduced brightness (LRA)

Options

- Emergency lighting 3 h
- RAL of your choice
- 7 cable colours
- Central & Rod suspension

CRI R_a>90 VERSIONS ON DEMAND

Housing

powder coated

- RAL 9006
- RAL 9016
- RAL 9005

liha direct

F51H1-2C1345

1 Dimension

310×310 mm	**03Q**
450×450 mm	**04Q**
600×600 mm	**06Q**
900×900 mm	**09Q**
1200×1200 mm	**12Q**

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber	silver	argent	argento (RAL 9006)	**9006**
weiß	white	blanc	bianco (RAL 9016)	**9016**
schwarz	black	noir	nero (RAL 9005)	**9005**

RAL colours on request

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	**830**
4000 K	**840**
2700 - 6500 K dynamic white	**HCL**

4 Output

low output non-dim	**L1**
low output DALI	**L3**
high output DALI	**H3**
dynamic white	**X3**

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	**S**
microprism	**M**

Beispiel | Example | Exemple | Esempio

450×450 mm, white, 4000 K, high output DALI, satiné

F51H04Q-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
310×310 mm	2378 lm	1394 lm
450×450 mm	4457 lm	2697 lm
600×600 mm	9257 lm	4771 lm
900×900 mm	18079 lm	9416 lm
1200×1200 mm	30542 lm	15263 lm

System Power (W)

	high output	low output	dynamic white
310×310 mm	21 W	12 W	21 W
450×450 mm	35 W	20 W	35 W
600×600 mm	66 W	33 W	66 W
900×900 mm	124 W	63 W	124 W
1200×1200 mm	221 W	106 W	221 W

Weight (kg)

310×310 mm	5,1 kg
450×450 mm	6,6 kg
600×600 mm	11,6 kg
900×900 mm	18,2 kg
1200×1200 mm	25,6 kg

COMPARE **LIGHT COLOUR**

Luminous Flux (lm)	**3000 K**		**4000 K**		**dynamic white**
satiné	high output	low output	high output	low output	2700-6500 K
450×450 mm	4190 lm	2535 lm	4457 lm	2697 lm	3930 lm

COMPARE **COVER**

Luminous Flux (lm)	**satiné**		**microprism**	
4000 K	high output	low output	high output	low output
450×450 mm	4457 lm	2697 lm	3770 lm	2422 lm

FILTER ONLINE

https://katalog.planlicht.com

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

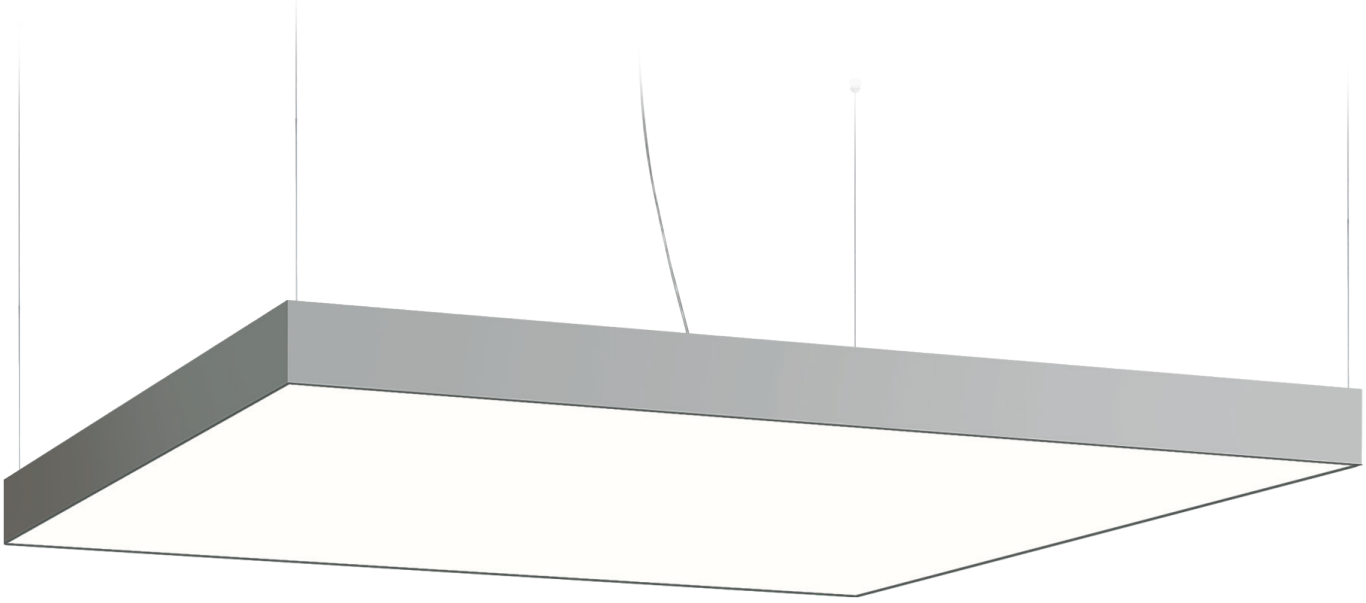
900 mm Cover Plate, Indirect Side	white	**F51-KAS-092-9016**
	silver	**F51-KAS-092-9006**
	black	**F51-KAS-092-9005**
1200 mm Cover Plate, Indirect Side	white	**F51-KAS-122-9016**
	silver	**F51-KAS-122-9006**
	black	**F51-KAS-122-9005**

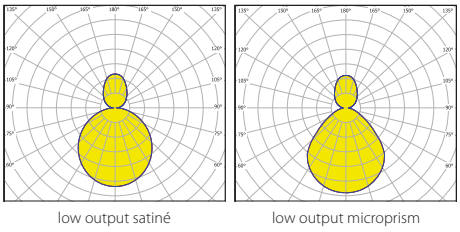
Weight (kg)

900 mm Cover Plate	1,5 kg
1200 mm Cover Plate	3,2 kg

liha direct / indirect

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione

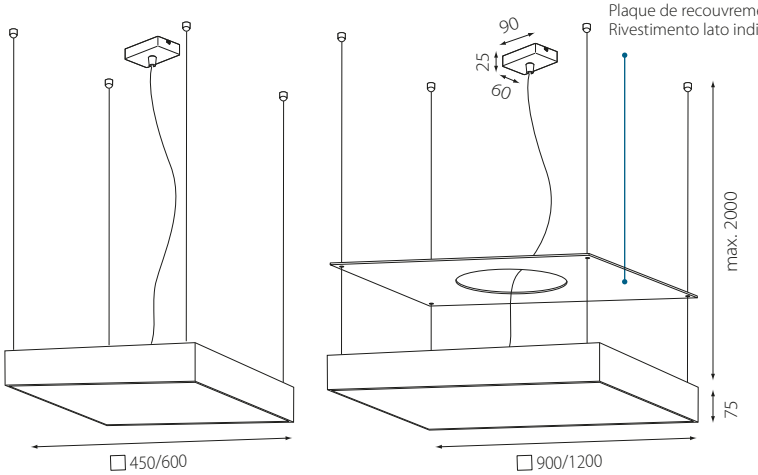




low output satiné | low output microprism

high output satiné | high output microprism

Optional:
Kaschierung Indirektseite
Cover Plate, Indirect Side
Plaque de recouvrement côté indirect
Rivestimento lato indiretto



A++ A

230V IP20 R_a>80 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

- 3000 K, 4000 K
- up to 134 lm/W
- R_a>80, MacAdam 3
- non-dim / DALI
- IEC 62471: Blue light hazard: RG 0
- Lifetime up to L80 / 50.000 h

Optic

- direct / indirect
- satiné
- microprism for reduced brightness (LRA)

Options

- Emergency lighting 3 h
- RAL of your choice
- 7 cable colours
- Central & Rod suspension

CRI R_a>90 VERSIONS ON DEMAND

Housing

powder coated

- RAL 9006
- RAL 9016
- RAL 9005

liha direct / indirect

F51H1-2C23455

1 Dimension

450×450 mm	**04Q**
600×600 mm	**06Q**
900×900 mm	**09Q**
1200×1200 mm	**12Q**

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber	silver	argent	argento (RAL 9006)	**9006**
weiß	white	blanc	bianco (RAL 9016)	**9016**
schwarz	black	noir	nero (RAL 9005)	**9005**

RAL colours on request

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	**830**
4000 K	**840**

4 Output

low output non-dim	**L1**
low output DALI	**L3**
high output DALI	**H3**

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	**S**
microprism	**M**

Beispiel | Example | Exemple | Esempio

450×450 mm, white, 4000 K, high output DALI, satiné

F51H04Q-9016C2840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
450×450 mm	6337 lm	3832 lm
600×600 mm	12054 lm	7565 lm
900×900 mm	21863 lm	13200 lm
1200×1200 mm	34327 lm	19048 lm

System Power (W)

	high output	low output
450×450 mm	54 W	30 W
600×600 mm	92 W	59 W
900×900 mm	163 W	101 W
1200×1200 mm	258 W	144 W

Weight (kg)

450×450 mm	6,6 kg
600×600 mm	11,6 kg
900×900 mm	18,2 kg
1200×1200 mm	25,6 kg

COMPARE **LIGHT COLOUR**

Luminous Flux (lm)	**3000 K**		**4000 K**	
satiné	high output	low output	high output	low output
450×450 mm	5949 lm	3593 lm	6337 lm	3832 lm

COMPARE **COVER**

Luminous Flux (lm)	**satiné**		**microprism**	
4000 K	high output	low output	high output	low output
450×450 mm	6337 lm	3832 lm	5649 lm	3557 lm

FILTER ONLINE

https://katalog.planlicht.com

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

900 mm Cover Plate, Indirect Side	white	**F51-KAS-092-9016**
	silver	**F51-KAS-092-9006**
	black	**F51-KAS-092-9005**
1200 mm Cover Plate, Indirect Side	white	**F51-KAS-122-9016**
	silver	**F51-KAS-122-9006**
	black	**F51-KAS-122-9005**

Weight (kg)

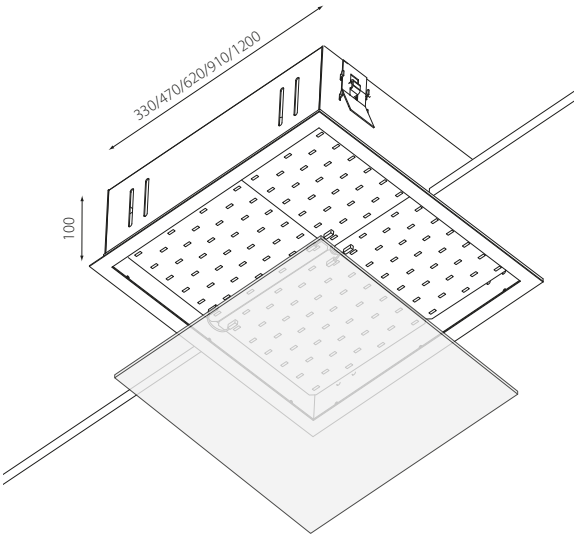
900 mm Cover Plate	1,5 kg
1200 mm Cover Plate	3,2 kg

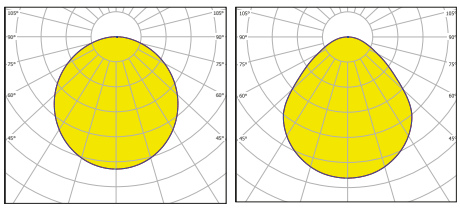
Herzlich
Willkommen

Brückengemeinde Heidenheim / Germany

liha frame

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso





satiné microprism

A++ A

230V IP20 R_a>80 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

3000 K, 4000 K, dynamic white

up to 136 lm/W

R_a>80, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80 / 50.000 h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Options

RAL of your choice

CRI R_a>90 VERSIONS ON DEMAND

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

330×330 mm	**03Q**
470×470 mm	**04Q**
620×620 mm	**06Q**
910×910 mm	**09Q**
1200×1200 mm	**12Q**

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber | silver | argent | argento (RAL 9006)	**9006**
weiß | white | blanc | bianco (RAL 9016)	**9016**
schwarz | black | noir | nero (RAL 9005)	**9005**

RAL colours on request

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	**830**
4000 K	**840**
2700 - 6500 K dynamic white	**HCL**

4 Output

low output non-dim	**L1**
low output DALI	**L3**
high output DALI	**H3**
dynamic white	**X3**

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	**S**
microprism	**M**

Beispiel | Example | Exemple | Esempio

470×470 mm, white, 4000 K, high output DALI, satiné

F51E04Q-9016C1840H3S

Luminous Flux (lm)

4000 K satiné, white	high output	low output
330×330 mm	2249 lm	1172 lm
470×470 mm	4048 lm	2610 lm
620×620 mm	7897 lm	4104 lm
910×910 mm	15647 lm	8129 lm
1200×1200 mm	26710 lm	13348 lm

System Power (W)

	high output	low output	dynamic white
330×330 mm	20 W	10,5 W	20 W
470×470 mm	34,5 W	21,5 W	34,5 W
620×620 mm	66 W	33,5 W	65 W
910×910 mm	122 W	62,5 W	122 W
1200×1200 mm	219 W	105 W	219 W

Weight (kg)

330×330 mm	2,4 kg
470×470 mm	3,7 kg
620×620 mm	7,4 kg
910×910 mm	15,9 kg
1200×1200 mm	25,9 kg

COMPARE **LIGHT COLOUR**

Luminous Flux (lm)	**3000 K**		**4000 K**		**dynamic white**
satiné	high output	low output	high output	low output	2700-6500 K
470×470 mm, white	3855 lm	2486 lm	4048 lm	2610 lm	3604 lm

COMPARE **COVER**

Luminous Flux (lm)	**satiné**		**microprism**	
4000 K	high output	low output	high output	low output
470×470 mm, white	4048 lm	2610 lm	3918 lm	2522 lm

Diese Daten gelten nur für eine Leuchte der Gehäusefarbe in RAL 9016, bei anderen Farben können die Daten abweichen.
This data is valid only for luminaires in the color "RAL 9016", data may differ with other colors.
Ces données sont valables pour un luminaire avec un boîtier en RAL 9016, il arrive que ces données varient si le RAL change.
Questi dati sono validi per un apparecchio nel colore in RAL 9016, sui altri colori possono variare i dati.

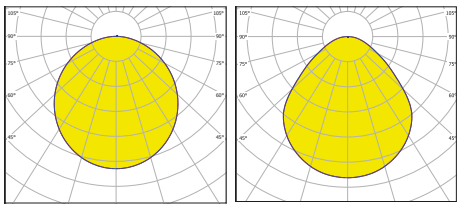
FILTER ONLINE
https://katalog.planlicht.com

Cut out

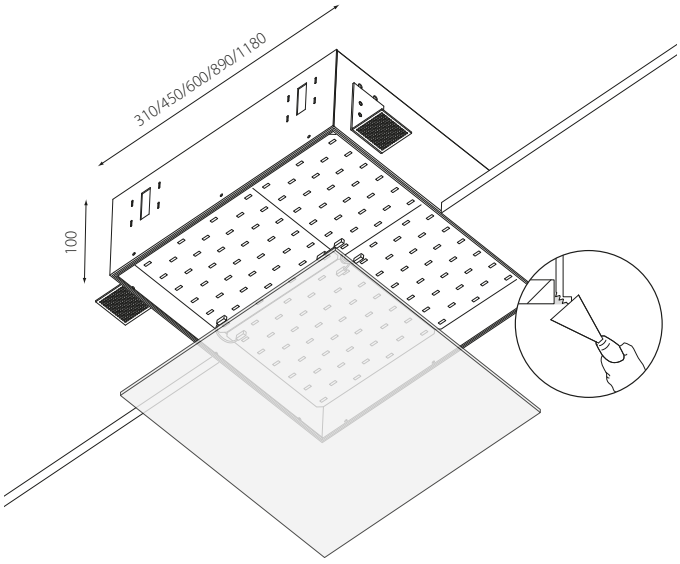
DIMENSION	ø DIAMETER	⇧ DEPTH
330×330 mm	□317 mm	115 mm
470×470 mm	□457 mm	115 mm
620×620 mm	□607 mm	115 mm
910×910 mm	□897 mm	115 mm
1200×1200 mm	□1187 mm	115 mm

liha frameless

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



satiné microprism



A++ A

230V IP20 R_a>80 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

3000 K, 4000 K, dynamic white

up to 136 lm/W

R_a>80, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80 / 50.000 h

Optic

direct

satiné

microprism for reduced brightness (LRA)

CRI R_a>90 VERSIONS ON DEMAND

Housing

powder coated

RAL 9016

1 Dimension

310×310 mm	**03Q**
450×450 mm	**04Q**
600×600 mm	**06Q**
890×890 mm	**08Q**
1180×1180 mm	**11Q**

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	**830**
4000 K	**840**
2700 - 6500 K dynamic white	**HCL**

3 Output

low output non-dim	**L1**
low output DALI	**L3**
high output DALI	**H3**
dynamic white	**X3**

4 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	**S**
microprism	**M**

Beispiel | Example | Exemple | Esempio

450×450 mm, 4000 K, high output DALI, satiné

F51F04Q-9016C1840H3S

Luminous Flux (lm)

4000 K satiné, white	high output	low output
310×310 mm	2249 lm	1172 lm
450×450 mm	4048 lm	2610 lm
600×600 mm	7897 lm	4104 lm
890×890 mm	15647 lm	8129 lm
1180×1180 mm	26710 lm	13348 lm

System Power (W)

	high output	low output	dynamic white
310×310 mm	20 W	10,5 W	20 W
450×450 mm	34,5 W	21,5 W	34,5 W
600×600 mm	66 W	33,5 W	65 W
890×890 mm	122 W	62,5 W	122 W
1180×1180 mm	219 W	105 W	219 W

Weight (kg)

310×310 mm	4,3 kg
450×450 mm	6,6 kg
600×600 mm	10,7 kg
890×890 mm	22,0 kg
1180×1180 mm	36,4 kg

COMPARE **LIGHT COLOUR**

Luminous Flux (lm)	**3000 K**		**4000 K**		**dynamic white**
satiné	high output	low output	high output	low output	2700-6500 K
450×450 mm, white	3855 lm	2486 lm	4048 lm	2610 lm	3604 lm

COMPARE **COVER**

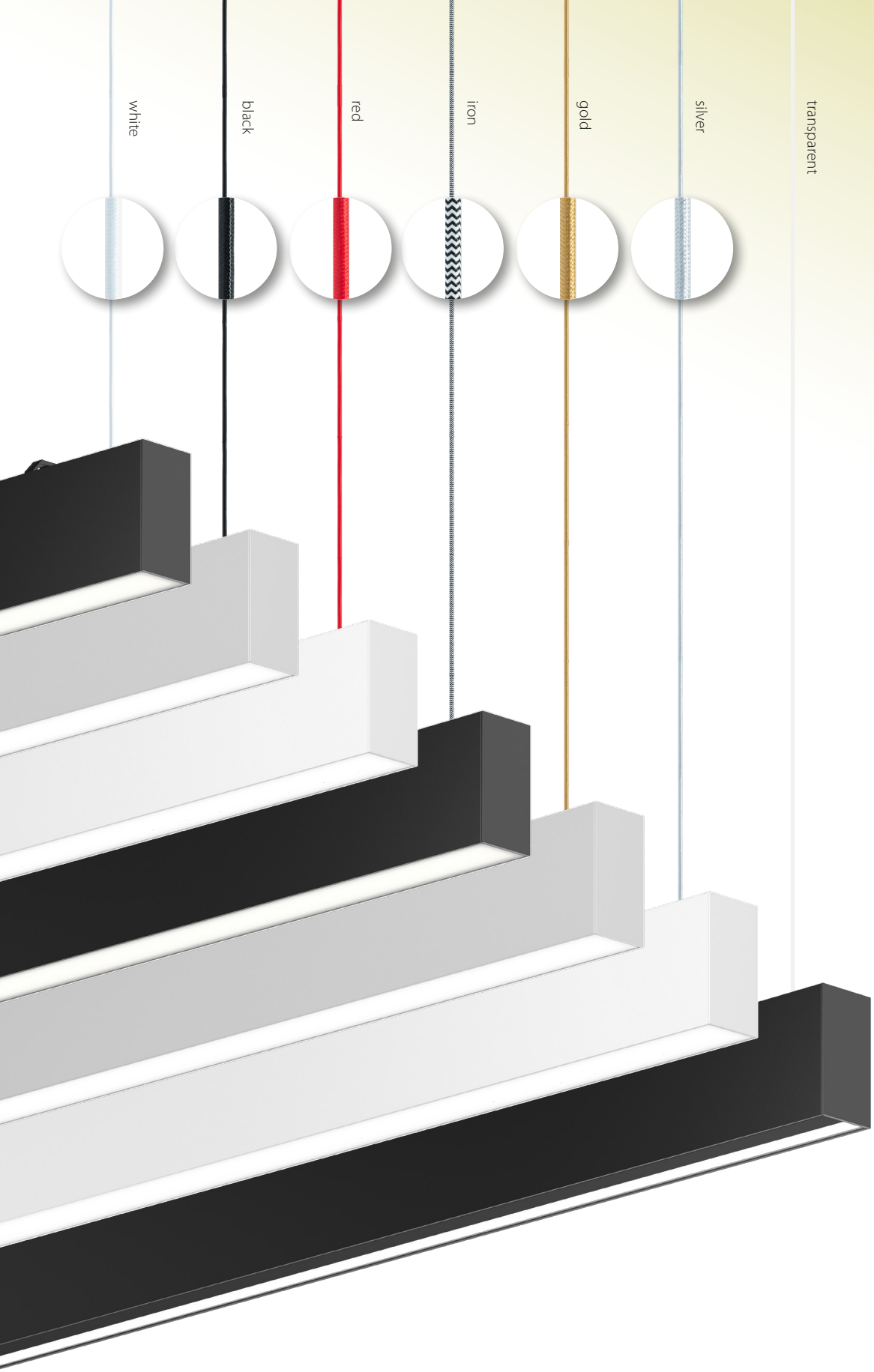
Luminous Flux (lm)	**satiné**		**microprism**	
4000 K	high output	low output	high output	low output
450×450 mm, white	4048 lm	2610 lm	3918 lm	2522 lm

Diese Daten gelten nur für eine Leuchte der Gehäusefarbe in RAL 9016, bei anderen Farben können die Daten abweichen.
This data is valid only for luminaires in the color "RAL 9016", data may differ with other colors.
Ces données sont valables pour un luminaire avec un boîtier en RAL 9016, il arrive que ces données varient si le RAL change.
Questi dati sono validi per un apparecchio nel colore in RAL 9016, sui altri colori possono variare i dati.

FILTER ONLINE
https://katalog.planlicht.com

Cut out

DIMENSION	ø DIAMETER	⇧ DEPTH
310×310 mm	□ 317 mm	115 mm
450×450 mm	□ 457 mm	115 mm
600×600 mm	□ 607 mm	115 mm
890×890 mm	□ 897 mm	115 mm
1180×1180 mm	□ 1187 mm	115 mm



CABLE COLOURS
SELECTION

Optionale Ausführung | Optional version | Version optionnelle | Versione opzionale

Einspeiskabel
Suspension cable
Câble d'alimentation
Cavo di alimentizione

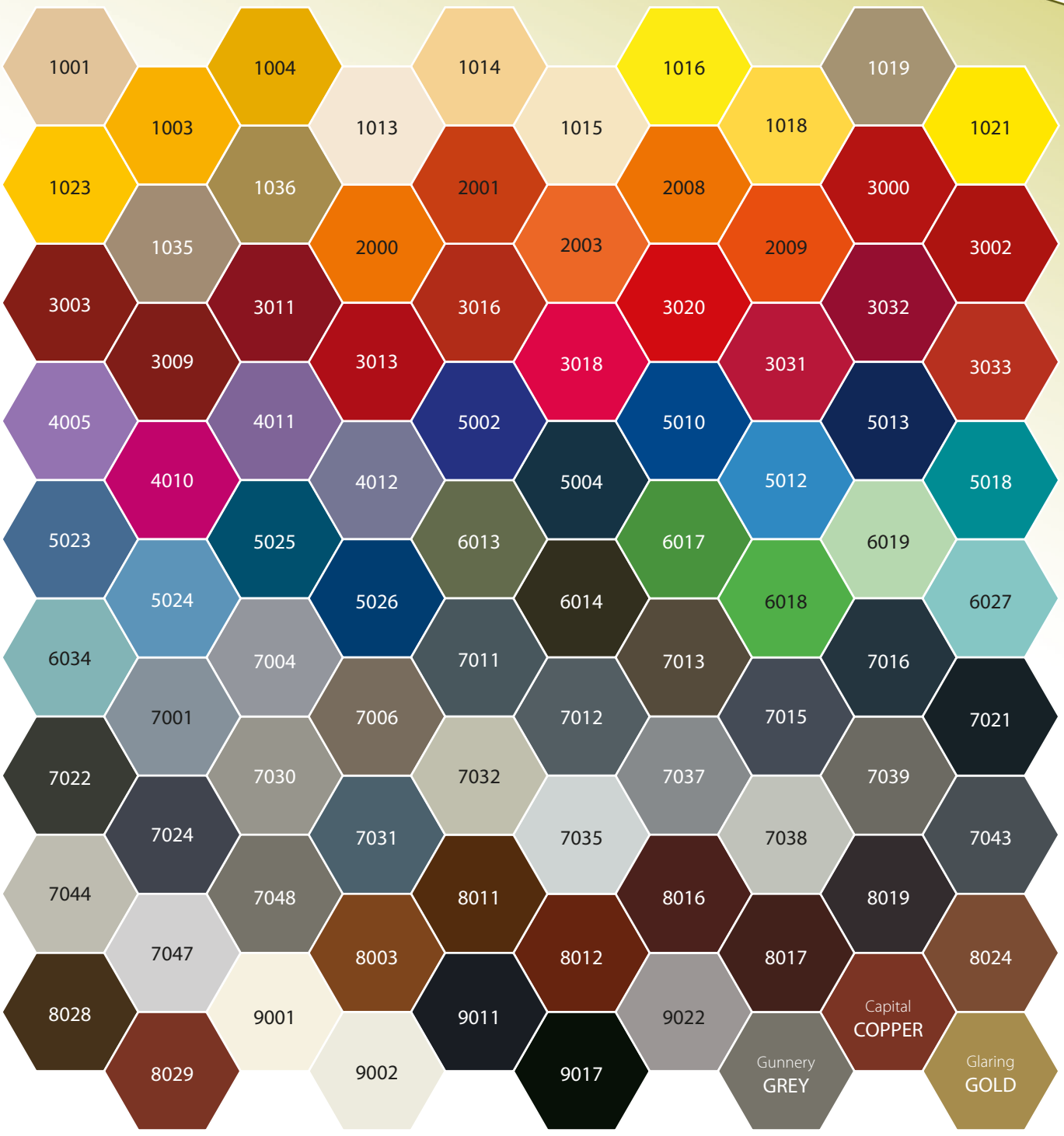
2500 mm
5 x 0,75 mm²

white	T65-EIN-WHITE
black	T65-EIN-BLACK
red	T65-EIN-RED
iron	T65-EIN-IRON
gold	T65-EIN-GOLD
silver	T65-EIN-SILVER

Transparent cable incl. (standard version)

90

HOUSING COLOURS
SELECTION



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