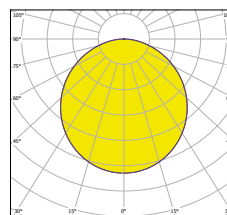
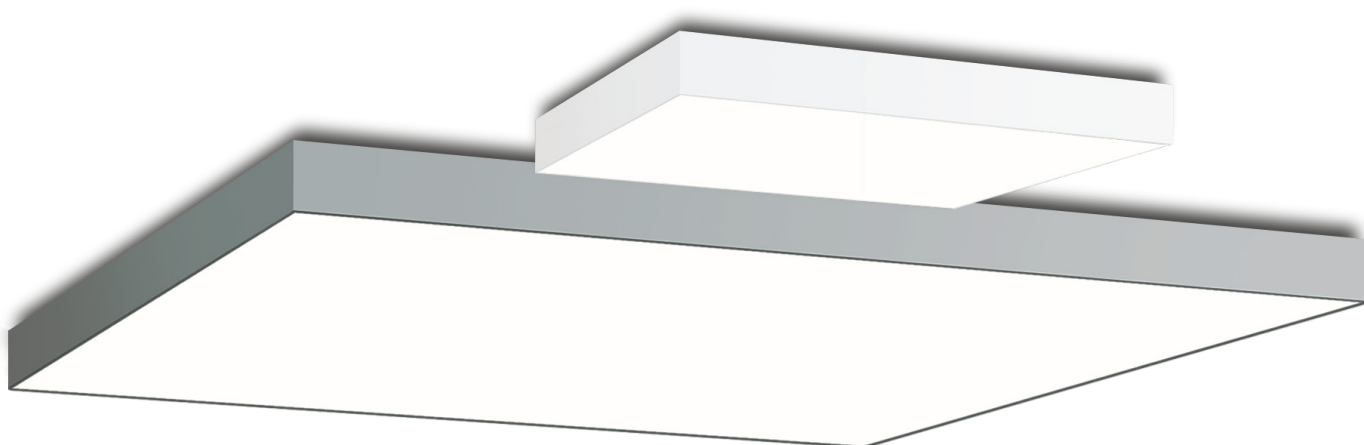
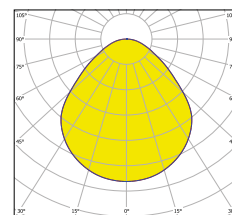




liha



satiné



microprism

Housing

powder coated Aluminium RAL 9006, powder coated white RAL 9016

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



LED

3000 K, 4000 K, dynamic white

up to 149 lm/W

$R_g > 80$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L80 / 50.000 h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3 h (more information planlicht 18 p. 373)

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 22)



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

silber silver argent (RAL 9006)	9006
weiß white blanc (RAL 9016)	9016

3 Schutzart | Protection rating | Indice de protection

IP20	C
IP54 (no Emergency lighting)	Q

4 Farbtemperatur | Colour temperature | Température de couleur

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

5 Output

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

6 Diffusoren | Diffusers | Diffuseurs

satiné	S
microprism	M

Beispiel | Example | Exemple

450 × 450 mm, weiß | white | blanc, IP54, 4000 K, high output DALI dim, satiné
F51A04Q-9016Q1840H3S

Luminous Flux (lm)

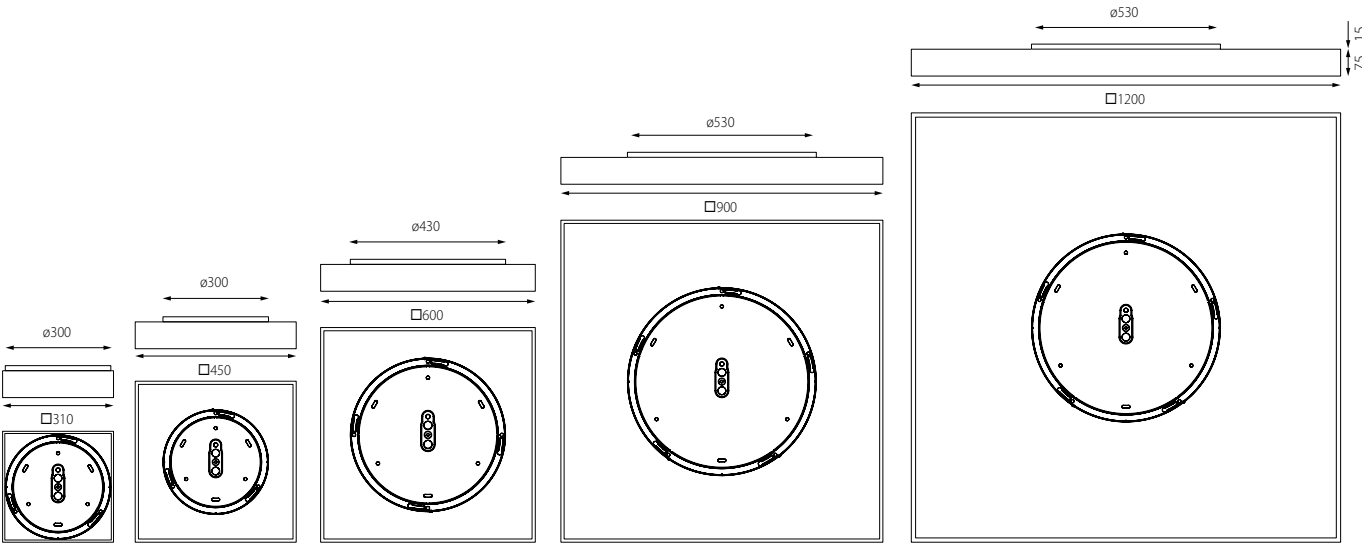
	3000 K				4000 K				2700 - 6500 K	
	high output		low output		high output		low output		dynamic white	
	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism
310 × 310 mm	2236 lm	1900 lm	1311 lm	1177 lm	2378 lm	2013 lm	1394 lm	1258 lm	2097 lm	1883 lm
450 × 450 mm	4190 lm	3556 lm	2535 lm	2277 lm	4457 lm	3770 lm	2697 lm	2422 lm	3930 lm	3529 lm
600 × 600 mm	8734 lm	7844 lm	4499 lm	4042 lm	9257 lm	8313 lm	4771 lm	4283 lm	8192 lm	7230 lm
900 × 900 mm	17055 lm	15316 lm	8884 lm	7978 lm	18079 lm	16233 lm	9416 lm	8455 lm	15997 lm	13379 lm
1200 × 1200 mm	29506 lm	26496 lm	14747 lm	13242 lm	30542 lm	27427 lm	15263 lm	13706 lm	27691 lm	24867 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)

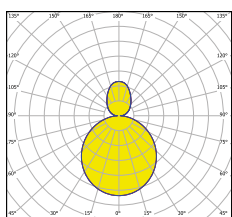
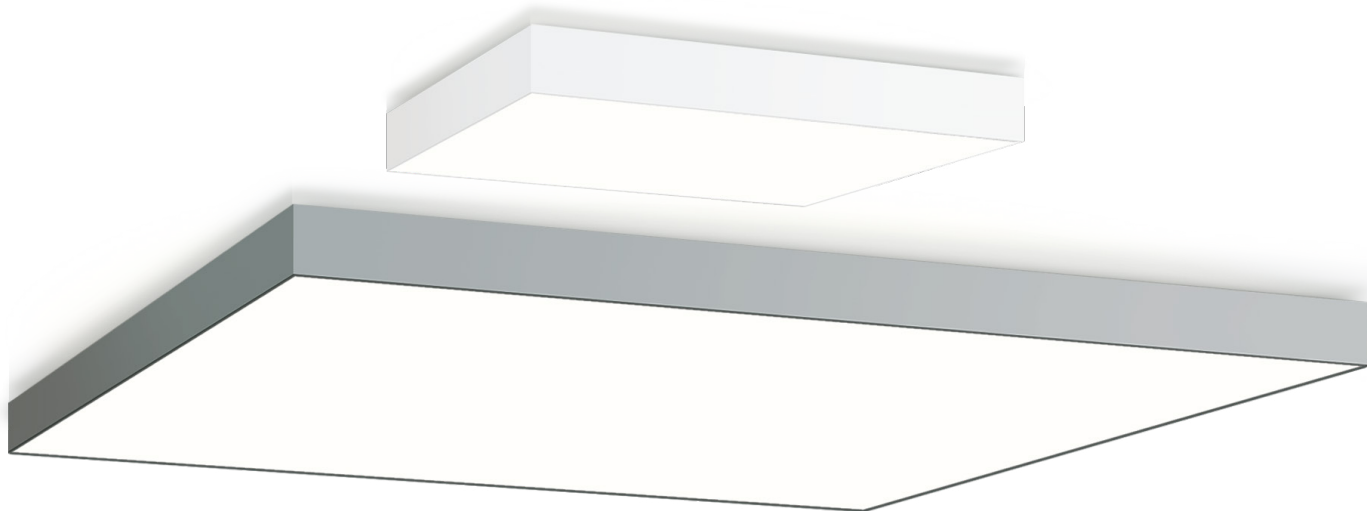
310 × 310 mm	4,6 kg
450 × 450 mm	6,1 kg
600 × 600 mm	11,1 kg
900 × 900 mm	17,7 kg
1200 × 1200 mm	25,1 kg



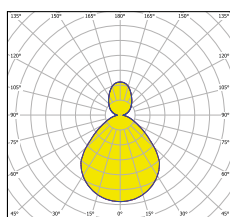
liha direct/indirect



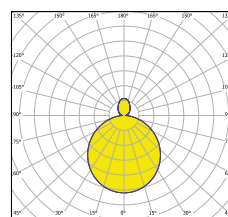
Aufbauleuchte | Surface-mount luminaire | Luminaire en saillie



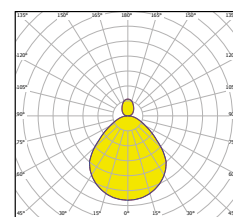
low output satiné



low output microprism



high output satiné



high output microprism

Housing

powder coated Aluminium RAL 9006, powder coated white RAL 9016

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



LED

3000 K, 4000 K, dynamic white

up to 142 lm/W

$R_g > 80$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L80 / 50.000 h

Optic

direct/indirect

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3 h (more information planlicht 18 p. 373)

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 22)



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

silber silver argent (RAL 9006)	9006
weiß white blanc (RAL 9016)	9016

3 Farbtemperatur | Colour temperature | Température de couleur

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
high output DALI dim	H3

5 Diffusoren | Diffusers | Diffuseurs

satiné	S
microprism	M

Beispiel | Example | Exemple

450 × 450 mm, weiß | white | blanc, 4000 K, high output DALI dim, satiné

F51A04Q-9016C2840H3S

Luminous Flux (lm)

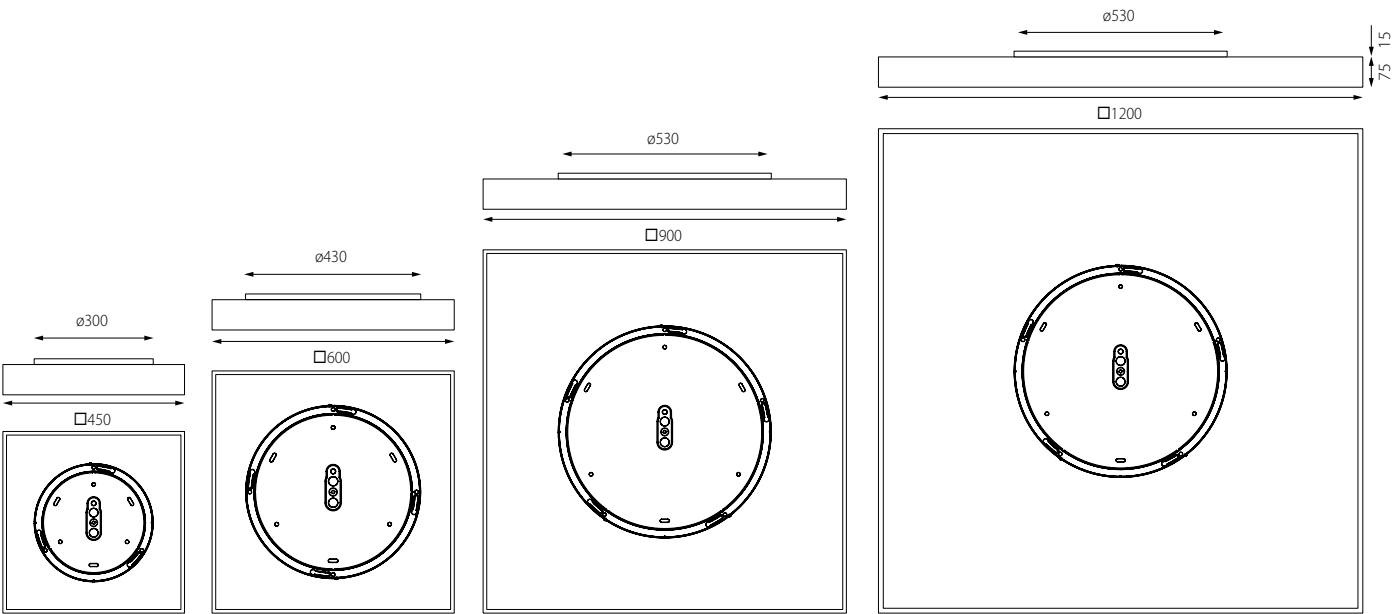
	3000 K				4000 K			
	high output		low output		high output		low output	
	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism
450 × 450 mm	5219 lm	4591 lm	3560 lm	3306 lm	5597 lm	4933 lm	3832 lm	3557 lm
600 × 600 mm	9798 lm	8908 lm	5610 lm	5152 lm	10427 lm	9484 lm	5992 lm	5504 lm
900 × 900 mm	19014 lm	17274 lm	10933 lm	10028 lm	20232 lm	18387 lm	11670 lm	10711 lm
1200 × 1200 mm	31464 lm	28454 lm	16797 lm	15292 lm	32691 lm	29579 lm	17518 lm	15961 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



in use ...

liha

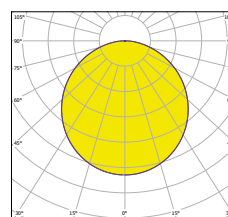
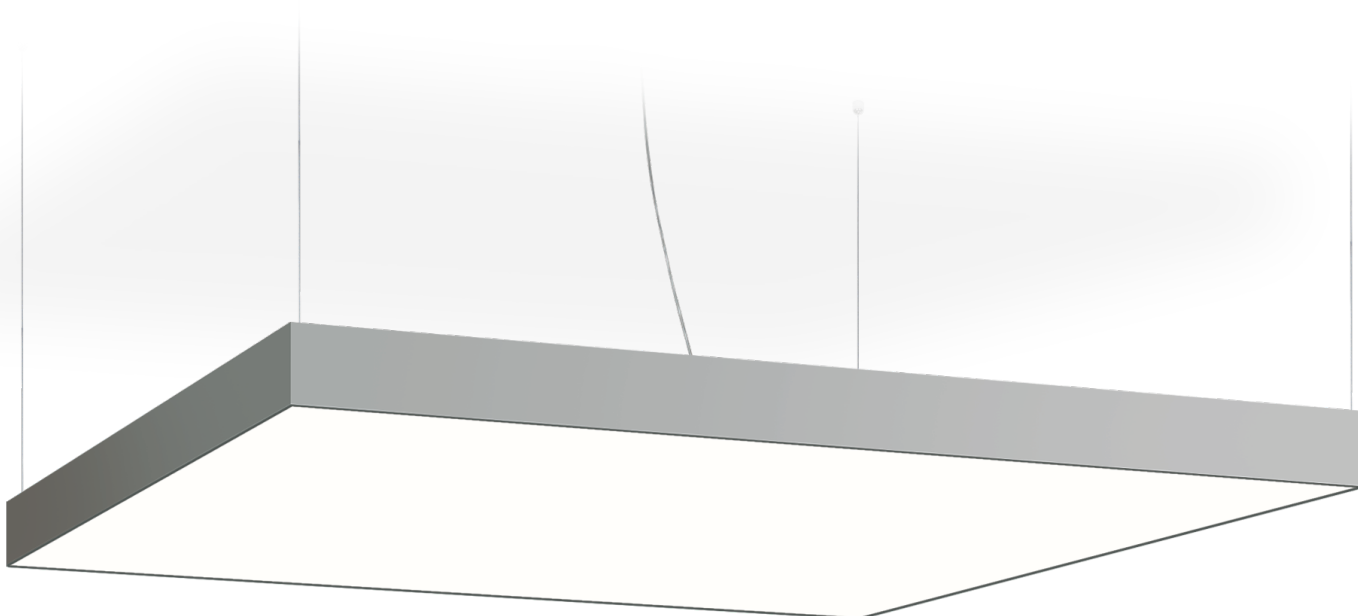
- Campus, Heilbronn/Germany
Planner: Ingenieurbüro Werner
Schwarz GmbH, Stuttgart/Germany



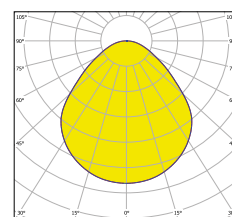




Hängeleuchte | Pendant luminaire | Suspension



satiné



microprism

Housing

powder coated Aluminium RAL 9006, powder coated white RAL 9016

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



LED

3000 K, 4000 K, dynamic white

up to 148 lm/W

$R_g > 80$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L80 / 50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (more information planlicht 18 p. 373)

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 22)



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

silber silver argent (RAL 9006)	9006
weiß white blanc (RAL 9016)	9016

3 Farbtemperatur | Colour temperature | Température de couleur

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

4 Output

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

5 Diffusoren | Diffusers | Diffuseurs

satiné	S
microprism	M

Beispiel | Example | Exemple

450 × 450 mm, weiß | white | blanc, 4000 K, high output DALI dim, satiné

F51H04Q-9016C1840H3S

Luminous Flux (lm)

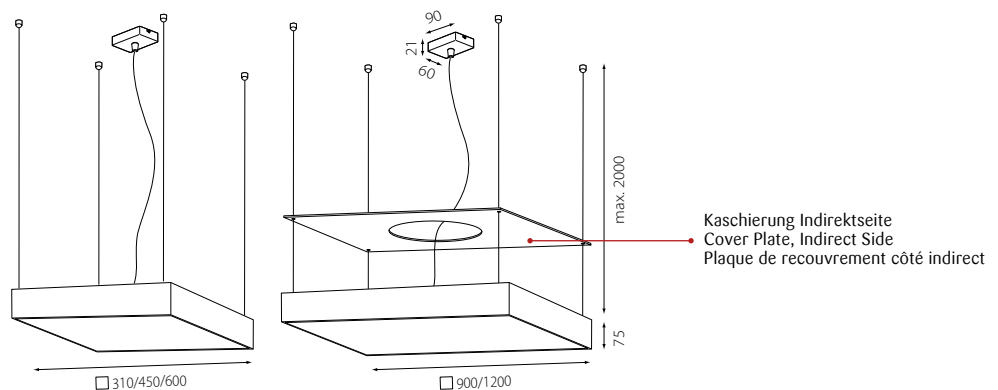
	3000 K				4000 K				2700 - 6500 K	
	high output		low output		high output		low output		dynamic white	
	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism
310 × 310 mm	2236 lm	1900 lm	1311 lm	1177 lm	2378 lm	2013 lm	1394 lm	1258 lm	2097 lm	1883 lm
450 × 450 mm	4190 lm	3556 lm	2535 lm	2277 lm	4457 lm	3770 lm	2697 lm	2422 lm	3930 lm	3529 lm
600 × 600 mm	8734 lm	7844 lm	4499 lm	4042 lm	9257 lm	8313 lm	4771 lm	4283 lm	8192 lm	7230 lm
900 × 900 mm	17055 lm	15316 lm	8884 lm	7978 lm	18079 lm	16233 lm	9416 lm	8455 lm	15997 lm	13379 lm
1200 × 1200 mm	29506 lm	26496 lm	14747 lm	13242 lm	30542 lm	27427 lm	15263 lm	13706 lm	27691 lm	24867 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



Optionales Zubehör | Optional accessory | Accessoire optionnel

Kaschierung Indirektseite □ 900 mm | Cover Plate, Indirect Side | Plaque de recouvrement côté indirect

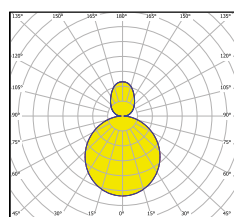
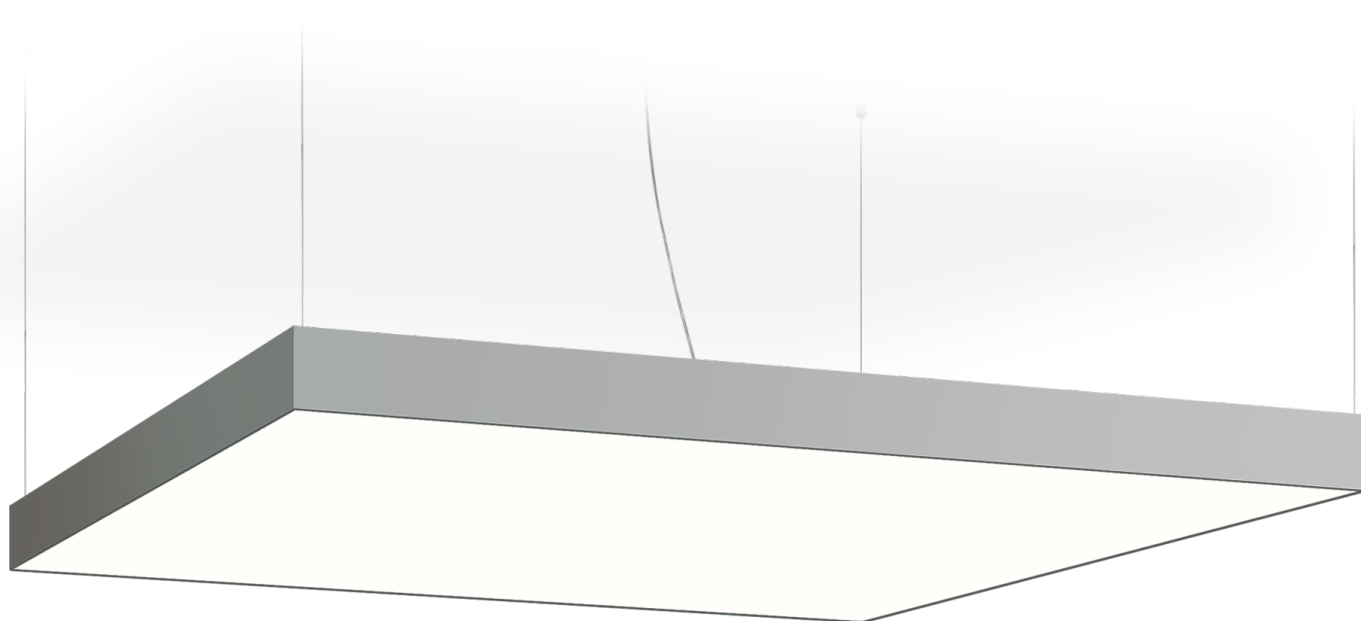
weiß white blanc	F51-KAS-09Q-9016
silber silver argent	F51-KAS-09Q-9006
weiß white blanc	F51-KAS-12Q-9016
silber silver argent	F51-KAS-12Q-9006

Kaschierung Indirektseite □ 1200 mm | Cover Plate, Indirect Side | Plaque de recouvrement côté indirect

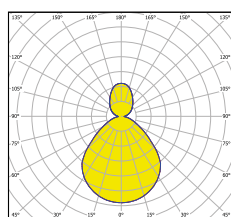
liha direct/indirect



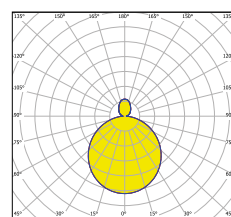
Hängeleuchte | Pendant luminaire | Suspension



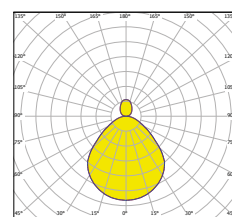
low output satiné



low output microprism



high output satiné



high output microprism

Housing

powder coated Aluminium RAL 9006, powder coated white RAL 9016

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



LED

3000 K, 4000 K

up to 142lm/W

$R_g > 80$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L80 / 50.000h

Optic

direct/indirect

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (more information planlicht 18 p. 373)

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 22)



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

silber silver argent (RAL 9006)	9006
weiß white blanc (RAL 9016)	9016

3 Farbtemperatur | Colour temperature | Température de couleur

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
high output DALI dim	H3

5 Diffusoren | Diffusers | Diffuseurs

satiniert	S
microprism	M

Beispiel | Example | Exemple

450 × 450 mm, weiß | white | blanc, 4000 K, high output DALI dim, satiniert

F51H04Q-9016C2840H3S

Luminous Flux (W)

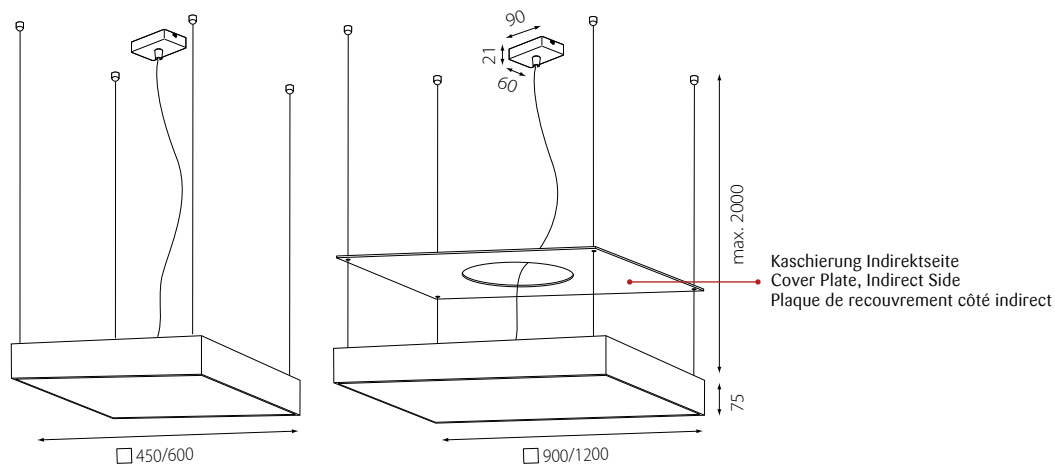
	3000 K				4000 K			
	high output		low output		high output		low output	
	satiniert	microprism	satiniert	microprism	satiniert	microprism	satiniert	microprism
450 × 450 mm	5949 lm	5316 lm	3593 lm	3337 lm	6337 lm	5649 lm	3832 lm	3557 lm
600 × 600 mm	11364 lm	10474 lm	7121 lm	6688 lm	12054 lm	11124 lm	7565 lm	7099 lm
900 × 900 mm	20592 lm	18852 lm	12420 lm	11533 lm	21863 lm	20018 lm	13200 lm	12240 lm
1200 × 1200 mm	33042 lm	30032 lm	18283 lm	16778 lm	34327 lm	31210 lm	19048 lm	17490 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



Optionales Zubehör | Optional accessory | Accessoire optionnel

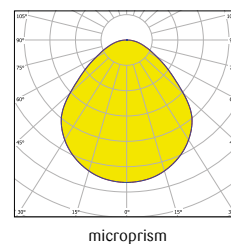
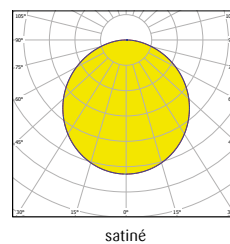
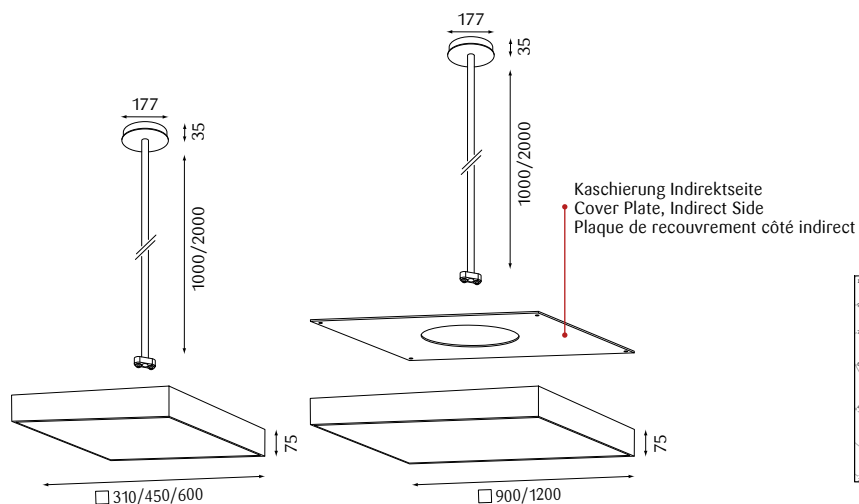
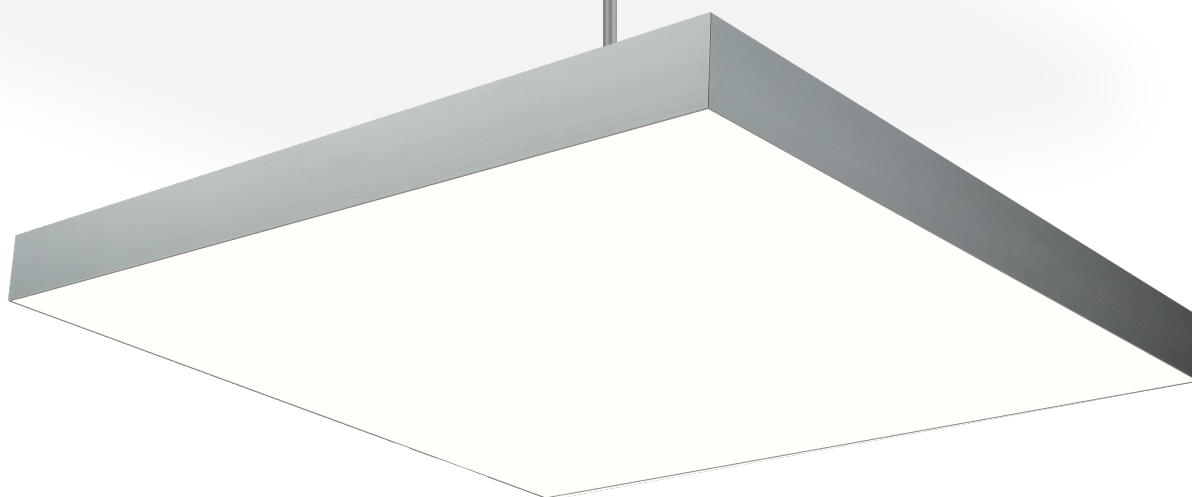
Kaschierung Indirektseite □ 900 mm | Cover Plate, Indirect Side | Plaque de recouvrement côté indirect

weiß white blanc	F51-KAS-09Q-9016
silber silver argent	F51-KAS-09Q-9006
weiß white blanc	F51-KAS-12Q-9016
silber silver argent	F51-KAS-12Q-9006

Kaschierung Indirektseite □ 1200 mm | Cover Plate, Indirect Side | Plaque de recouvrement côté indirect



Pende | Rod suspension | Suspension rigide



Housing

powder coated Aluminium RAL 9006, powder coated white RAL 9016

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



LED

3000 K, 4000 K, dynamic white

up to 149 lm/W

$R_g > 80$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L80 / 50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (more information planlicht 18 p. 373)

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 22)



1 Dimension

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

4 Output

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

2 Gehäusefarbe | Housing colour | Couleur du luminaire

silber silver argent (RAL 9006)	9006
weiß white blanc (RAL 9016)	9016

5 Diffusoren | Diffusers | Diffuseurs

satiné	S
microprism	M

3 Farbtemperatur | Colour temperature | Température de couleur

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

Beispiel | Example | Exemple

450 × 450 mm, weiß | white | blanc, 4000 K, high output DALI dim, satiné

F51A04Q-9016C1840H3S

Luminous Flux (lm)	3000 K				4000 K				2700-6500 K	
	high output		low output		high output		low output		dynamic white	
	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism
310 × 310 mm	2236 lm	1900 lm	1311 lm	1177 lm	2378 lm	2013 lm	1394 lm	1258 lm	2097 lm	1883 lm
450 × 450 mm	4190 lm	3556 lm	2535 lm	2277 lm	4457 lm	3770 lm	2697 lm	2422 lm	3930 lm	3529 lm
600 × 600 mm	8734 lm	7844 lm	4499 lm	4042 lm	9257 lm	8313 lm	4771 lm	4283 lm	8192 lm	7230 lm
900 × 900 mm	17055 lm	15316 lm	8884 lm	7978 lm	18079 lm	16233 lm	9416 lm	8455 lm	15997 lm	13379 lm
1200 × 1200 mm	29506 lm	26496 lm	14747 lm	13242 lm	30542 lm	27427 lm	15263 lm	13706 lm	27691 lm	24867 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

Optionales Zubehör für Pendemontage | Optional accessory | Accessoire optionnel

Pende starr Rod suspension Suspension rigide	weiß white blanc	1000 mm	F50-PEN-100-9016
	silber silver argent	1000 mm	F50-PEN-100-9006
Pende starr Rod suspension Suspension rigide	weiß white blanc	2000 mm	F50-PEN-200-9016
	silber silver argent	2000 mm	F50-PEN-200-9006

Optionales Zubehör | Optional accessory | Accessoire optionnel

Kaschierung Indirektseite □ 900 mm Cover Plate, Indirect Side Plaque de recouvrement côté indirect	weiß white blanc	F51-KAS-09Q-9016
	silber silver argent	F51-KAS-09Q-9006
Kaschierung Indirektseite □ 1200 mm Cover Plate, Indirect Side Plaque de recouvrement côté indirect	weiß white blanc	F51-KAS-12Q-9016
	silber silver argent	F51-KAS-12Q-9006

in use ...

liha direct/indirect

→ WHS Zwickau, Zwickau/Germany
© Steffen Spitzner

Planner:

*Innenarchitektur Jacqueline Fox,
Leipzig/Germany*

Light Planner: BTH, Leipzig/Germany

*E-Planner: Kummich & Heilmann,
Chemnitz/Germany*





liha frame

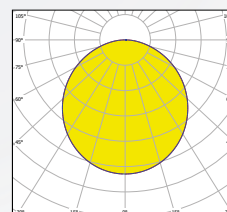


Einbauleuchte | Recessed luminaire | Luminaire encastré

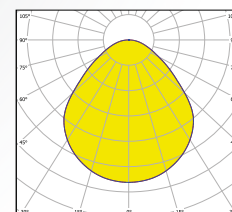


Cut-out ✂

□ 330 mm	□ 317 / 115 mm
□ 470 mm	□ 457 / 115 mm
□ 620 mm	□ 607 / 115 mm
□ 910 mm	□ 897 / 115 mm
□ 1200 mm	□ 1187 / 115 mm



satiné



microprism

Housing

powder coated Aluminium RAL 9006, powder coated white RAL 9016

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



LED

3000 K, 4000 K, dynamic white

up to 149 lm/W

$R_g > 80$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L80 / 50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Options

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 22)

Cut out ✂

liha 330: □317 ⌀115 mm, liha 470: □457 ⌀115 mm, liha 620: □607 ⌀115 mm,

liha 910: □897 ⌀115 mm, liha 1200: □1187 ⌀115 mm,



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

silber silver argent (RAL 9006)	9006
weiß white blanc (RAL 9016)	9016

3 Farbtemperatur | Colour temperature | Température de couleur

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

4 Output

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

5 Diffusoren | Diffusers | Diffuseurs

satiné	S
microprism	M

Beispiel | Example | Exemple

470 × 470 mm, weiß | white | blanc, 4000 K, high output DALI dim, satiné

F51E04Q-9016C1840H3S

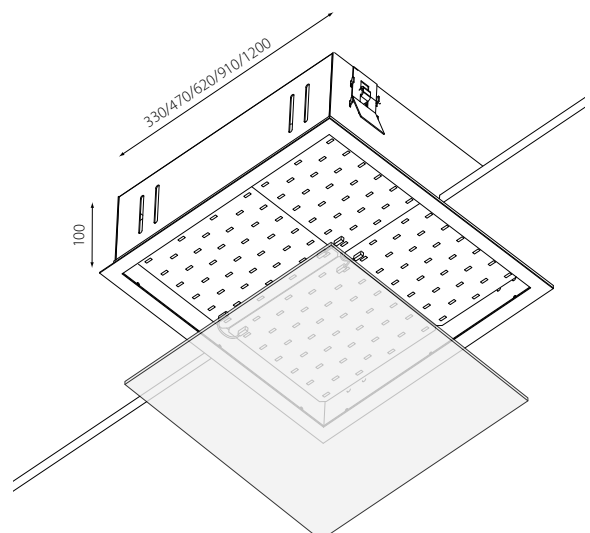
Luminous Flux (lm)	3000 K		3000 K		4000 K		4000 K		2700 - 6500 K	
	high output		low output		high output		low output		dynamic white	
	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism
330 × 330 mm	1832 lm	1558 lm	1074 lm	965 lm	1950 lm	1650 lm	1144 lm	1031 lm	1718 lm	1544 lm
470 × 470 mm	3645 lm	3094 lm	2206 lm	1980 lm	3878 lm	3280 lm	2346 lm	2108 lm	3419 lm	3071 lm
620 × 620 mm	7597 lm	6824 lm	3914 lm	3516 lm	8052 lm	7233 lm	4150 lm	3727 lm	7127 lm	6291 lm
910 × 910 mm	15862 lm	14243 lm	8262 lm	7419 lm	16813 lm	15097 lm	8756 lm	7864 lm	14877 lm	12441 lm
1200 × 1200 mm	27439 lm	24641 lm	13715 lm	12316 lm	28404 lm	25506 lm	14195 lm	12746 lm	25753 lm	23126 lm

Luminous Flux (lm)	3000 K				4000 K				2700 - 6500 K	
	high output		low output		high output		low output		dynamic white	
	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism
330 × 330 mm	2033 lm	1729 lm	1192 lm	1071 lm	2164 lm	1831 lm	1268 lm	1144 lm	1907 lm	1713 lm
470 × 470 mm	4045 lm	3434 lm	2448 lm	2197 lm	4304 lm	3640 lm	2605 lm	2281 lm	3794 lm	3408 lm
620 × 620 mm	8357 lm	7505 lm	4305 lm	3866 lm	8857 lm	7955 lm	4564 lm	4098 lm	7839 lm	6919 lm
910 × 910 mm	16972 lm	15238 lm	8839 lm	7938 lm	17988 lm	16152 lm	9368 lm	8413 lm	15919 lm	13311 lm
1200 × 1200 mm	29359 lm	26365 lm	14673 lm	13177 lm	30392 lm	27292 lm	15188 lm	13639 lm	27555 lm	24744 lm

System Power (W)	high output	low output	dynamic white
330 × 330 mm	21 W	12 W	21 W
470 × 470 mm	35 W	20 W	35 W
620 × 620 mm	66 W	33 W	66 W
910 × 910 mm	124 W	63 W	124 W
1200 × 1200 mm	221 W	106 W	221 W

Weight (kg)

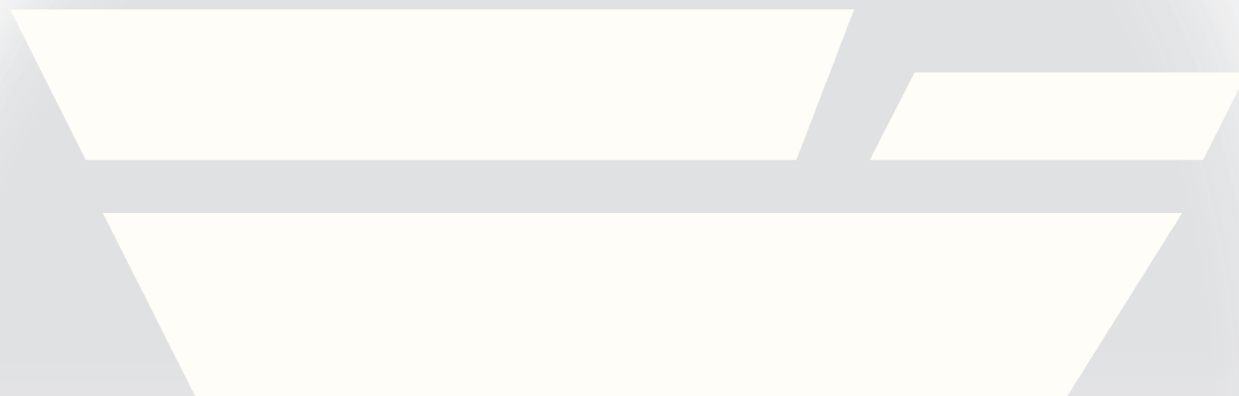
330 × 330 mm	4,3 kg
470 × 470 mm	6,6 kg
620 × 620 mm	10,7 kg
910 × 910 mm	22,0 kg
1200 × 1200 mm	36,4 kg



liha frameless

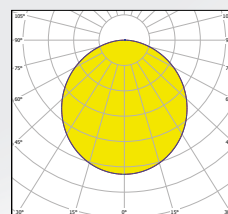


Einbauleuchte | Recessed luminaire | Luminaire encastré

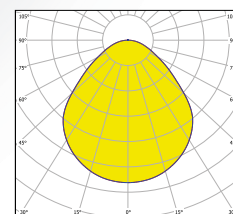


Cut-out ✂

□ 310 mm	□ 317 / 115 mm
□ 450 mm	□ 457 / 115 mm
□ 600 mm	□ 607 / 115 mm
□ 890 mm	□ 897 / 115 mm
□ 1180 mm	□ 1187 / 115 mm



satiné



microprism

Housing

Aluminium

230V IP20 $R_g > 80$ 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 dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L80 / 50.000 h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Cut out ✂

liha 310: □317 ⌀115 mm, liha 450: □457 ⌀115 mm, liha 600: □607 ⌀115 mm,

liha 890: □897 ⌀115 mm, liha 1180: □1187 ⌀115 mm,

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

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

3 Output

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

4 Diffusoren | Diffusers | Diffuseurs

satiné	S
microprism	M

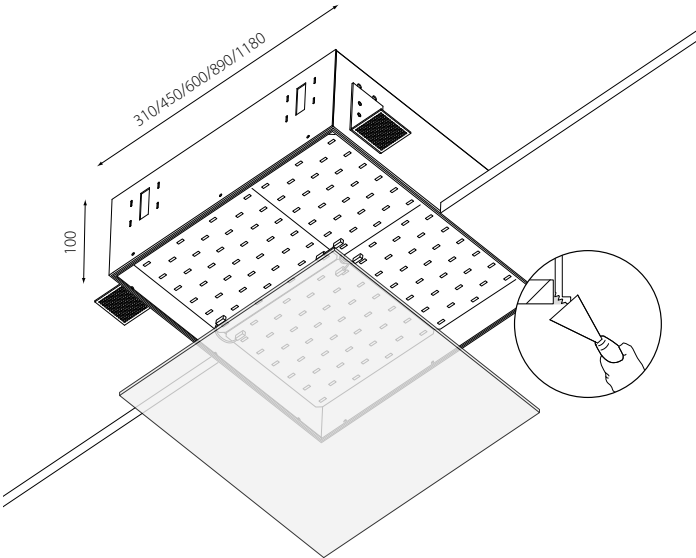
Beispiel | Example | Exemple

450 × 450 mm, 4000 K, high output, DALI dim, satiné
F51F04Q-9016C1840H3S

Luminous Flux (lm)	3000 K				4000 K				2700 - 6500 K	
	high output		low output		high output		low output		dynamic white	
	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism	satiné	microprism
310 × 310 mm	2033 lm	1729 lm	1192 lm	1071 lm	2164 lm	1831 lm	1268 lm	1144 lm	1907 lm	1713 lm
450 × 450 mm	4045 lm	3434 lm	2448 lm	2197 lm	4304 lm	3640 lm	2605 lm	2281 lm	3794 lm	3408 lm
600 × 600 mm	8357 lm	7505 lm	4305 lm	3866 lm	8857 lm	7955 lm	4564 lm	4098 lm	7839 lm	6919 lm
890 × 890 mm	16972 lm	15238 lm	8839 lm	7938 lm	17988 lm	16152 lm	9368 lm	8413 lm	15919 lm	13312 lm
1180 × 1180 mm	29359 lm	26365 lm	14673 lm	13177 lm	30392 lm	27292 lm	15188 lm	13639 lm	27555 lm	24744 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
890 × 890 mm	124 W	63 W	124 W
1180 × 1180 mm	221 W	106 W	221 W

Weight (kg)	
310 × 310 mm	3,3 kg
450 × 450 mm	5,3 kg
600 × 600 mm	9,3 kg
890 × 890 mm	18,5 kg
1180 × 1180 mm	31,7 kg



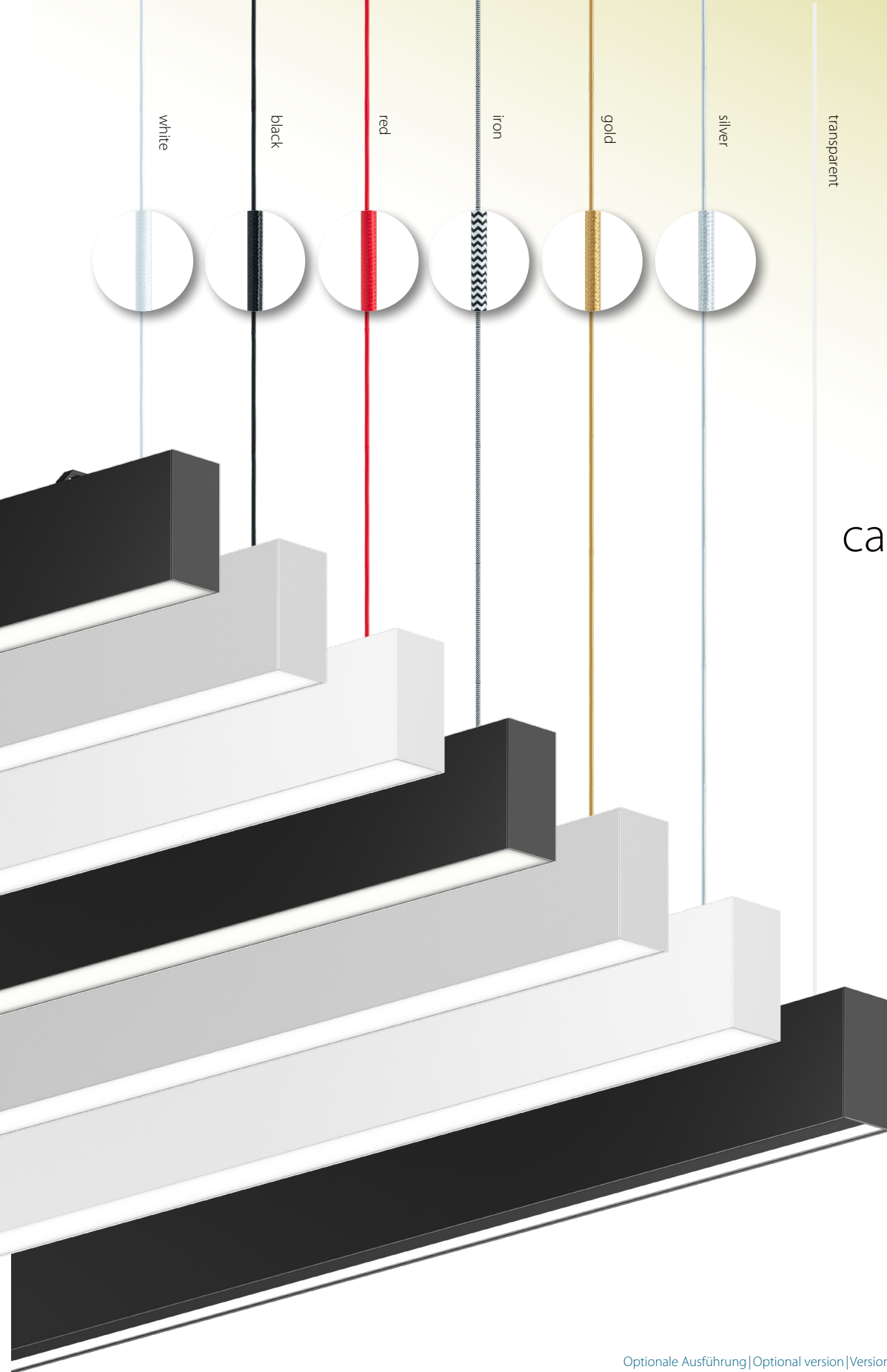
in use ...

liha frameless

- ➔ EcoPower, Bönen/Germany
*Planner: Planergruppe Licht GmbH,
Bönen/Germany*







cable colours

Optionale Ausführung | Optional version | Version optionnelle

Einspeiskabel
Suspension cable
Alimentation cable
Cavo di alimentazione

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)

housing colours

Auswahl der beliebtesten RAL-Farben aus unserem Leuchtsortiment.
A selection of the most popular colours of our range of luminaires.
Sélection des couleurs RAL les plus demandées pour notre gamme de luminaires.
Selezione dei colori RAL più richiesti per la nostra gamma di apparecchio.

STANDARD

RAL 9005

RAL 9016





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