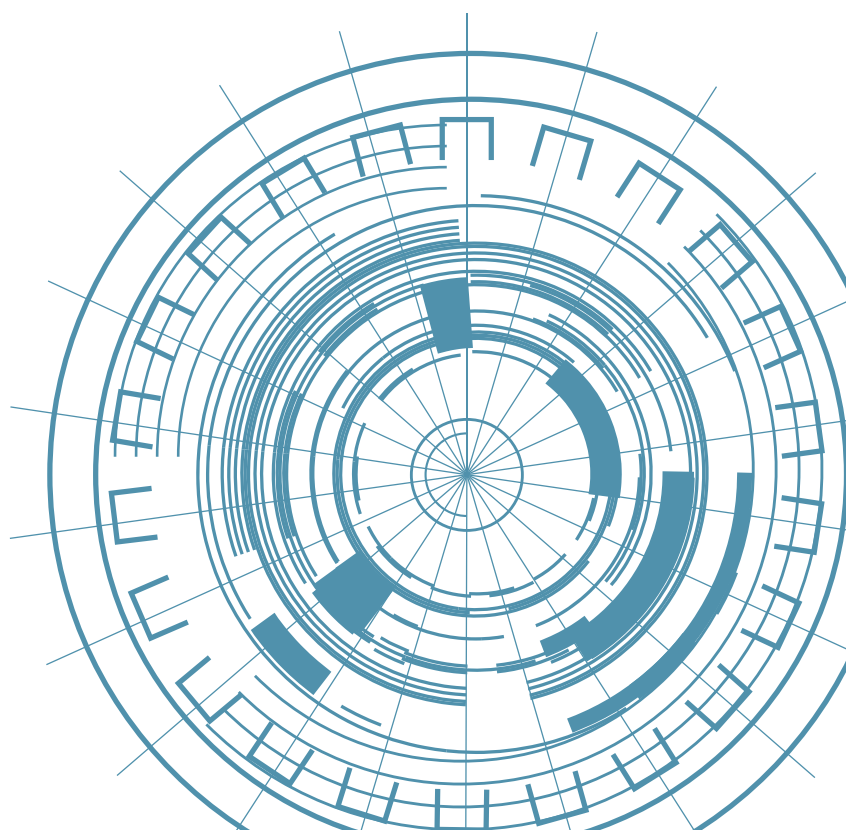
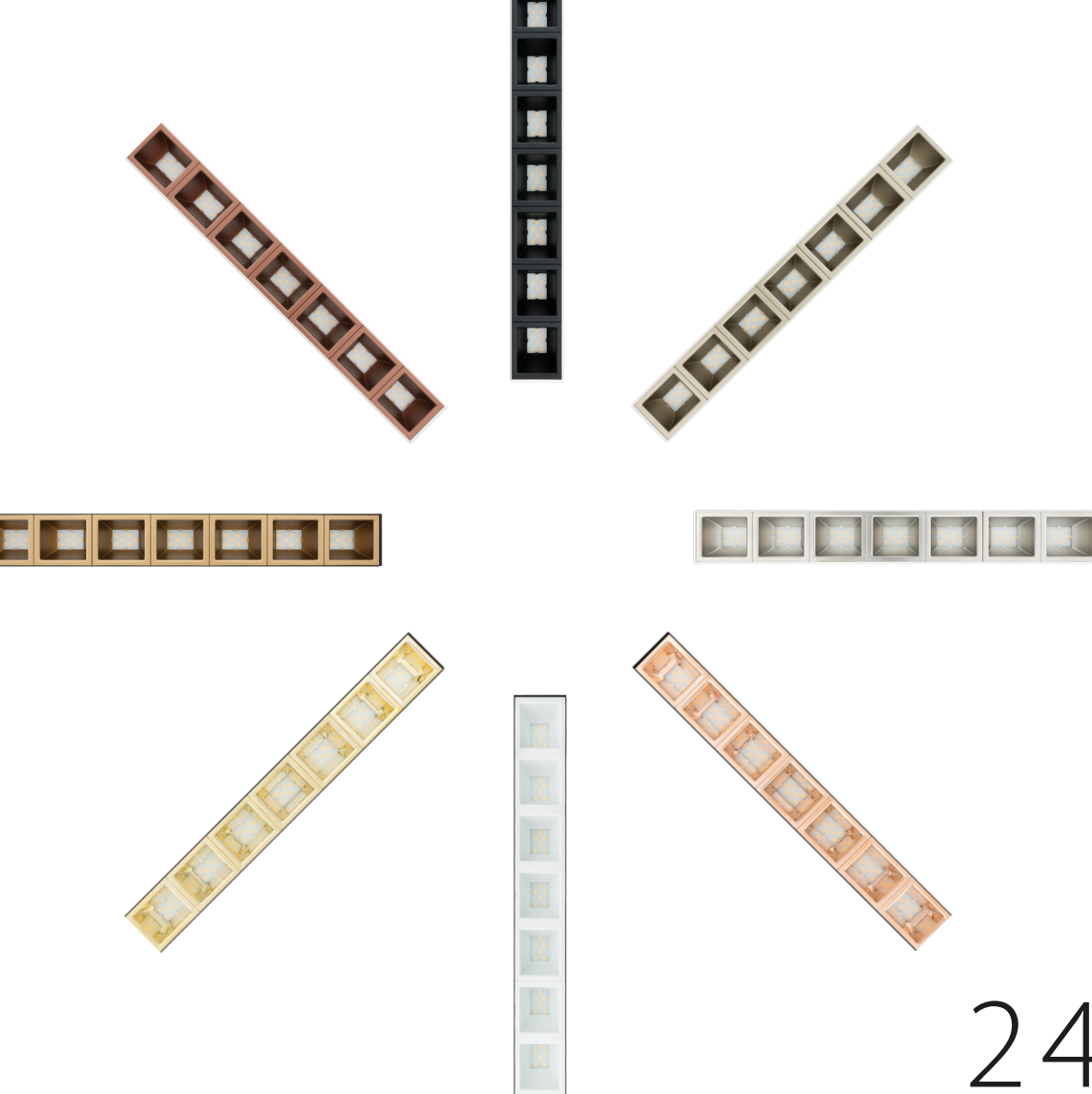


quadro  
**FOCUS**





**10**  
louvres

**7**  
cables

**90**  
housing colours

**2 498 480**  
variations  
rest on request

Effiziente LED direkt/indirekt (3000K/4000K/dynamisch weiß)  
Efficient LED direct/indirect (3000K/4000K/dynamic white)  
LED à grande efficacité lumineuse (3000K/4000K/blanc dynamique)



BAP Raster (hochglanz oder perlmat) für optimale Entblendung.  
Louvre (high-gloss or matte) for optimal glare reduction.  
Grille BAP anti-éblouissement optimal (brillante ou mate)

Design:

**Roland Karrer**



#### **Technical Requirements:**

To develop an office workspace light with "Dark Light Optics" which allows a nearly glare-free lighting of the workplace through ingenious reflector technology.

#### **My Personal Design:**

To design a square luminaire with maximum reduced dimensions, that fits elegantly into any workplace.

Minimalism was always in focus during all phases of the development process. A challenge arose to find a new approach to the light output on the top of the luminaire, harmonizing the spaciousness and uniformity of a softly lit ceiling with the requirement of greatly reduced construction height. To emit light onto the workspace, a Dark Light reflector should capture the chaotic rays of light and then guide them in a calm and orderly manner in the desired direction. In addition to the parabolic side surfaces of the reflector to its depth also contributes to achieving maximum comfort. At this point in development optimum glare suppression was given preference over the originally desired square shape. The ideal anti-glare angle for workstations with computer displays could be achieved by a further uncompromising reduction of the width of the luminaire, without having to change the already optimized overall height.

In this sense, quadro is an equally balanced office light which solves the "squaring the circle" in the interests of maximum efficiency, maximum glare control and minimalistic design.

#### **Die technische Vorgabe:**

Eine Bildschirmarbeitsplatzleuchte mit Darklight-Optik zu entwickeln, die durch ausgeklügelte Reflektortechnologie eine nahezu blendfreie Beleuchtung des Arbeitsplatzes ermöglicht.

#### **Meine persönliche Designvorgabe:**

Eine Leuchte mit quadratischem Querschnitt und maximal reduzierten Dimensionen zu designen, die sich durch ihre elegante Zurückhaltung perfekt in jeden Arbeitsplatz einfügt.

Bei der Ausarbeitung wurde der Fokus während keiner Phase vom Anspruch des Minimalismus genommen. Dadurch erwuchs die Herausforderung, einen neuen Ansatz für die Lichtabgabe an der Oberseite der Leuchte zu finden, der die Weite und Gleichmäßigkeit einer sanft beleuchteten Decke mit dem Anspruch einer stark reduzierten Bauhöhe in harmonischem Einklang bringt. Für die Lichtabgabe hin zum Arbeitsplatz sollte ein Darklight-Reflektor die brausenden Lichtstrahlen einfangen und anschließend ruhig und geordnet in die gewünschte Richtung leiten. Neben den parabolischen Seitenflächen des Reflektors, die einen gleitenden Fokuspunkt aufweisen um den Darklight-Effekt zu erzielen, trägt auch das Verhältnis der Austrittsfläche des Reflektors zu dessen Tiefe zum Erreichen des maximalen Lichtkomforts bei. An dieser Stelle wurde der optimalen Entblendung der Vorzug gegeben vor der ursprünglich gewünschten quadratischen Form. Der ideale Abblendwinkel für Bildschirmarbeitsplätze konnte durch eine weitere kompromisslose Reduktion der Breite der Leuchte erreicht werden, ohne dabei die bereits optimierte Bauhöhe verändern zu müssen.

Quadro steht in diesem Sinne für eine an allen Seiten gleichermaßen ausgewogenen Office-Leuchte, welche die Quadratur des Kreises mit höchster Effizienz, maximaler Entblendung und minimalem Design schafft.

#### **Les exigences techniques de départ :**

Développer un luminaire pour bureaux avec une optique Darklight (basse luminance) qui permet un éclairage non éblouissant du poste de travail pratiquement grâce à une technique de réflecteurs sophistiquée.

#### **Mon objectif personnel :**

Concevoir un luminaire carré et aux dimensions réduites au minimum pouvant s'intégrer parfaitement et avec élégance dans tous les bureaux.

Durant toutes les phases du développement, le focus est toujours resté sur le minimalisme. De ce fait s'est posé le défi de trouver une nouvelle méthode d'émission lumineuse sur la partie supérieure du luminaire, réunissant harmonieusement l'ampleur et l'uniformité d'un plafond doucement éclairé avec les exigences d'un luminaire de faible épaisseur.

Pour émettre de la lumière sur un poste de travail, un réflecteur basse luminance (Darklight) doit capter les rayons lumineux chaotiques pour les réorienter de façon ordonnée et calme dans la direction désirée.

En plus des surfaces latérales paraboliques du réflecteur avec le point de focalisation non fixe qui permettent d'obtenir l'effet basse luminance (Darklight), le rapport entre la zone d'émission du réflecteur et sa profondeur contribue à obtenir un confort lumineux maximal. Ici la priorité était de limiter l'éblouissement plutôt que de conserver la forme carrée initialement prévue. L'angle anti-éblouissement idéal pour les postes de travail a pu être atteint grâce à une réduction drastique de la largeur du luminaire sans pour autant changer son épaisseur déjà optimisée.

Le Quadro est ainsi un luminaire adapté spécialement pour les postes de travail dispensant une lumière homogène qui réunit efficacité et niveau d'éblouissement maximaux avec un design minimaliste.



white  
9016

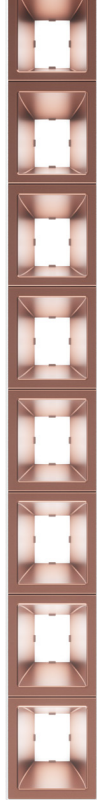
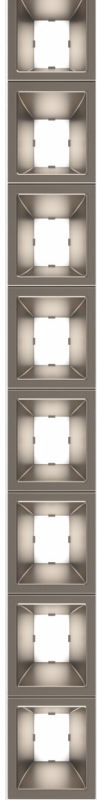
black  
9005

glaring  
gold

black chrome  
matte

high-gloss  
gold





gunnery  
grey

high-gloss  
copper

capital  
copper

silver  
matte

high-gloss  
silver

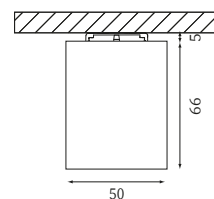
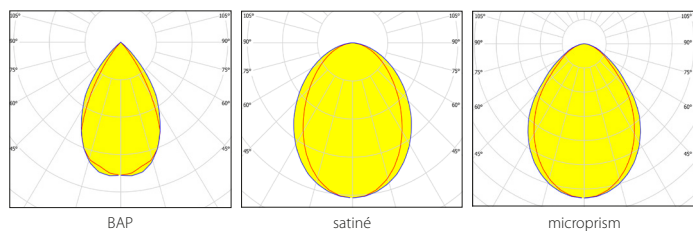
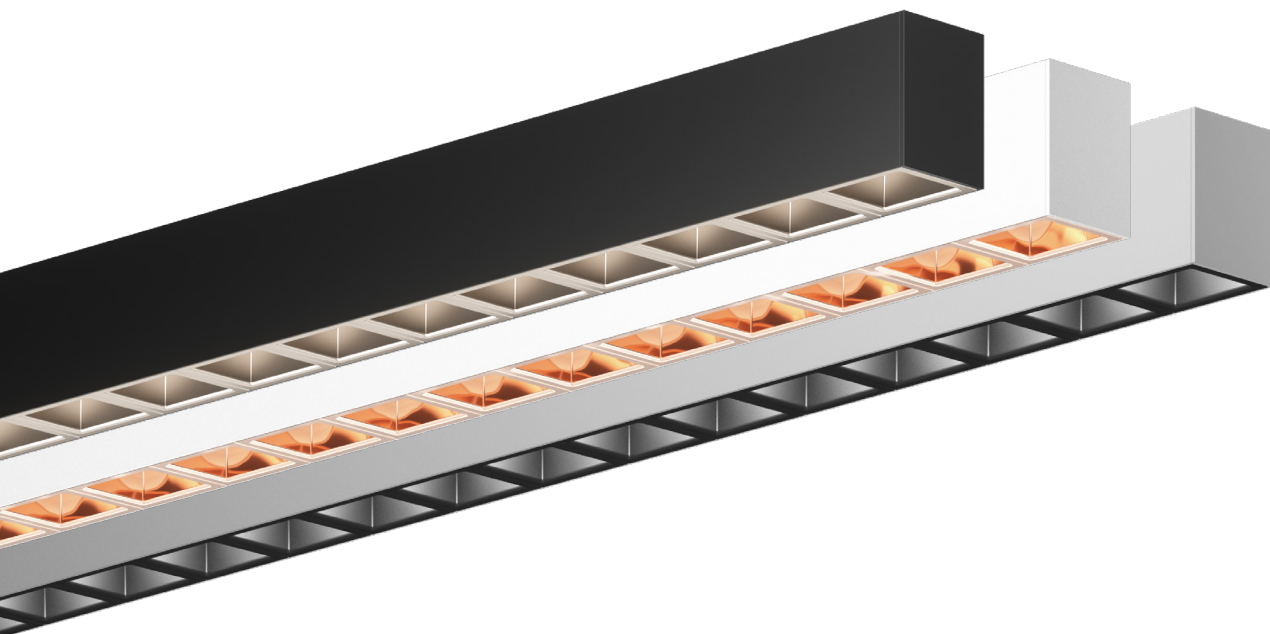


## GOOD to know

quadro BAP louvre high gloss copper shifts light colours to warm - 4000 K board delivers 3605 K, 3000 K board 2790 K. So close to **2700 K** or **3500 K** solutions can be done easily with this louvre application.

# quadro

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



Design: Roland Karrer



230V IP20  $R_a > 80$  UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



## LED

- 3000K, 4000K, dynamic white
- up to 116lm/W, up to 3870lm/m
- $R_a > 80$ , UGR < 16, MacAdam 3
- non-dim/DALI
- IEC 62471: Blue light hazard: RG ≤ 1
- Lifetime up to L80/50.000h

## Optic

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

## Options

- Emergency lighting 3h
- Motion and day-light sensor
- BAP louvre colours
- RAL of your choice

## Housing

- powder coated
- RAL 9006
- RAL 9016
- RAL 9005



1 Länge | Length | Longueur | Lunghezza

BAP		BAP Sensor		satiné / microprism		microprism Sensor	
1124 mm	<b>112</b>	1149 mm	<b>114</b>	1130 mm	<b>113</b>	1155 mm	<b>115</b>
1404 mm	<b>140</b>	1429 mm	<b>142</b>	1410 mm	<b>141</b>	1435 mm	<b>143</b>
1684 mm	<b>168</b>			1690 mm	<b>169</b>		
2244 mm	<b>224</b>			2250 mm	<b>225</b>		
2804 mm	<b>280</b>			2810 mm	<b>281</b>		
3364 mm	<b>336</b>			3370 mm	<b>337</b>		

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

silber   silver   argent   argento (RAL 9006)	<b>9006</b>
weiß   white   blanc   bianco (RAL 9016)	<b>9016</b>
schwarz   black   noir   nero (RAL 9005)	<b>9005</b>
RAL colours on request	

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

3000 K	<b>830</b>
4000 K	<b>840</b>
2700 - 6500 K dynamic white	<b>HCL</b>

4 Output

	non Sensor	with Sensor
low output non-dim	<b>L1</b>	
low output DALI	<b>L3</b>	<b>L7</b>
high output DALI	<b>H3</b>	<b>H7</b>
dynamic white	<b>X3</b>	<b>X7</b>

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné *	<b>S</b>	BAP white (RAL 9016) *	<b>W</b>
microprism *	<b>M</b>	BAP black (RAL 9005)	<b>N</b>
BAP high-gloss silver	<b>B</b>	BAP glaring gold	<b>D</b>
BAP silver matte	<b>P</b>	BAP capital copper	<b>R</b>
BAP high-gloss gold	<b>G</b>	BAP gunnery grey	<b>Y</b>
BAP high-gloss copper	<b>K</b>	BAP black chrome matte	<b>C</b>
BAP louvre colours (p. 140)			

\* Versions UGR > 19: satiné, microprism, BAP white

Beispiel | Example | Exemple | Esempio

1124 mm, white, 4000 K, high output DALI, BAP high-gloss silver

**T65A112-9016C1840H3B**

Luminous Flux (lm)

4000 K BAP silver matte	high output		low output	
	high output	low output	high output	low output
1124 mm	4201 lm	2227 lm		
1404 mm	5252 lm	2784 lm		
1684 mm	6302 lm	3340 lm		
2244 mm	8402 lm	4453 lm		
2804 mm	10503 lm	5567 lm		
3364 mm	12604 lm	6680 lm		

System Power (W)

BAP silver matte	high output		low output		dynamic white	
	high output	low output	high output	low output	dynamic white	dynamic white
1124 mm	40 W	20 W	42 W			
1404 mm	50 W	25 W	52 W			
1684 mm	60 W	30 W	62 W			
2244 mm	79 W	40 W	83 W			
2804 mm	99 W	50 W	104 W			
3364 mm	119 W	60 W	125 W			

Weight (kg)

1124 - 1155 mm	2,9 kg
1404 - 1435 mm	3,3 kg
1684 - 1690 mm	4,5 kg
2244 - 2250 mm	6,2 kg
2804 - 2810 mm	7,5 kg
3364 - 3370 mm	9,5 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white 2700 - 6500 K
	high output	low output	high output	low output	
<b>BAP silver matte</b>					
1404 mm	5099 lm	2702 lm	5252 lm	2784 lm	4640 lm

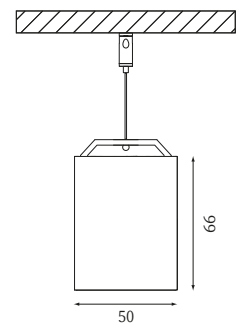
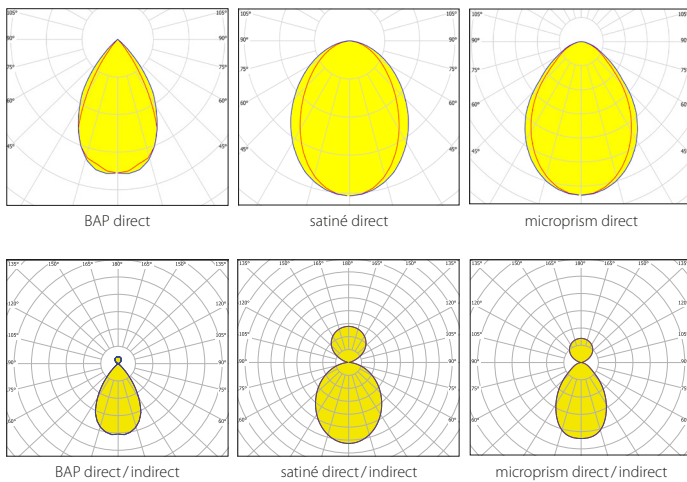
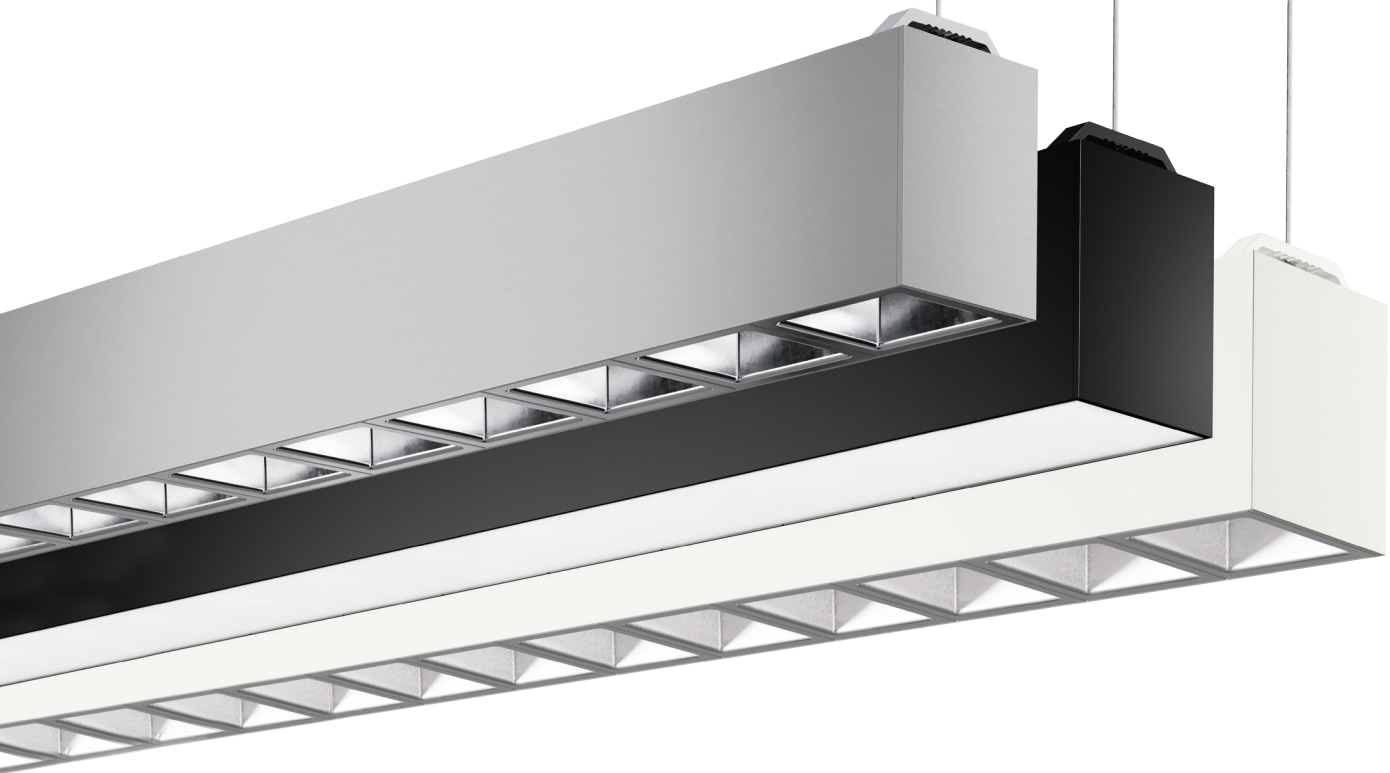


COMPARE COVER

Luminous Flux (lm)	satiné		microprism		high-gloss silver		silver matte		high-gloss gold		high-gloss copper	
	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
<b>4000 K</b>												
1404 mm	3811 lm	2264 lm	3556 lm	2241 lm	5414 lm	2870 lm	5252 lm	2784 lm	5089 lm	2697 lm	4965 lm	2631 lm
	BAP white		BAP black		glaring gold		capital copper		gunnery grey		black chrome matte	
	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
1404 mm	4842 lm	2567 lm	2978 lm	1578 lm	3309 lm	1754 lm	3143 lm	1666 lm	3391 lm	1797 lm	3909 lm	2072 lm

# quadro

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



Design: Roland Karrer



230V IP20  $R_a > 80$  UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



## LED

3000K, 4000K, dynamic white  
 up to 128 lm/W, up to 4910 lm/m  
 $R_a > 80$ , UGR < 16, MacAdam 3  
 non-dim/DALI  
 IEC 62471: Blue light hazard: RG ≤ 1  
 Lifetime up to L80/50.000h



## Optic

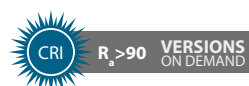
direct/indirect  
 satiné  
 microprism for reduced brightness (LRA)  
 BAP louvre

## Options

Emergency lighting 3h  
 Motion and day-light sensor  
 BAP louvre colours  
 RAL of your choice  
 7 cable colours

## Housing

powder coated  
 RAL 9006   
 RAL 9016   
 RAL 9005 





1 Länge | Length | Longueur | Lunghezza

BAP		BAP Sensor		satiné / microprism		microprism Sensor	
1124 mm	<b>112</b>	1149 mm	<b>114</b>	1130 mm	<b>113</b>	1155 mm	<b>115</b>
1404 mm	<b>140</b>	1429 mm	<b>142</b>	1410 mm	<b>141</b>	1435 mm	<b>143</b>
1684 mm	<b>168</b>			1690 mm	<b>169</b>		
2244 mm	<b>224</b>			2250 mm	<b>225</b>		
2804 mm	<b>280</b>			2810 mm	<b>281</b>		
3364 mm	<b>336</b>			3370 mm	<b>337</b>		

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

silber   silver   argent   argenteo (RAL 9006)	<b>9006</b>
weiß   white   blanc   bianco (RAL 9016)	<b>9016</b>
schwarz   black   noir   nero (RAL 9005)	<b>9005</b>
RAL colours on request	

3 direct / indirect

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

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

3000 K	<b>830</b>
4000 K	<b>840</b>
2700 - 6500 K dynamic white	<b>HCL</b>

5 Output

	non Sensor	with Sensor
low output	<b>L1</b>	-
high output DALI	<b>H3</b>	<b>H7</b>
dynamic white	<b>X3</b>	<b>X7</b>

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné *	<b>S</b>	BAP white (RAL 9016) *	<b>W</b>
microprism *	<b>M</b>	BAP black (RAL 9005)	<b>N</b>
BAP high-gloss silver	<b>B</b>	BAP glaring gold	<b>D</b>
BAP silver matte	<b>P</b>	BAP capital copper	<b>R</b>
BAP high-gloss gold	<b>G</b>	BAP gunnery grey	<b>Y</b>
BAP high-gloss copper	<b>K</b>	BAP black chrome matte	<b>C</b>
BAP louvre colours (p. 190)			

\* Versions UGR > 19: satiné, microprism, BAP white

Beispiel | Example | Esempio | Esempio

1124 mm, white, direct, 4000 K, high output DALI, BAP silver matte

**T65H112-9016C1840H3P**

Luminous Flux (lm)	direct		direct / indirect	
	high output	low output	high output	low output
<b>4000 K BAP silver matte</b>				
1124 mm	4201 lm	2227 lm	5307 lm	2796 lm
1404 mm	5252 lm	2784 lm	6658 lm	3513 lm
1684 mm	6302 lm	3340 lm	8013 lm	4179 lm
2244 mm	8402 lm	4453 lm	10618 lm	5568 lm
2804 mm	10503 lm	5567 lm	13316 lm	6990 lm
3364 mm	12604 lm	6680 lm	15921 lm	8364 lm

Weight (kg)

1124 mm	2,9 kg
1404 mm	3,3 kg
1684 mm	4,5 kg
2244 mm	6,2 kg
2804 mm	7,5 kg
3364 mm	9,5 kg

System Power (W)	direct			direct / indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
<b>BAP silver matte</b>						
1124 mm	40 W	20 W	42 W	46 W	23 W	48 W
1404 mm	50 W	25 W	52 W	58 W	29 W	61 W
1684 mm	60 W	30 W	62 W	69 W	35 W	73 W
2244 mm	79 W	40 W	83 W	92 W	46 W	97 W
2804 mm	99 W	50 W	104 W	115 W	58 W	121 W
3364 mm	119 W	60 W	125 W	138 W	69 W	145 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700 - 6500 K
<b>BAP silver matte</b>					
1404 mm direct	5099 lm	2702 lm	5252 lm	2784 lm	4640 lm
1404 mm direct / indirect	6458 lm	3407 lm	6658 lm	3513 lm	5861 lm

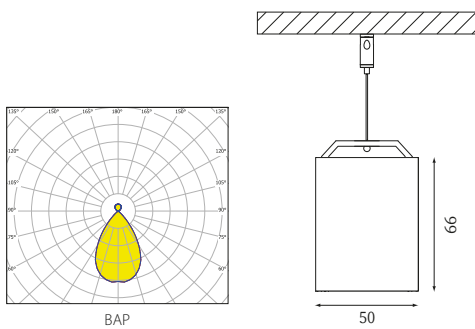
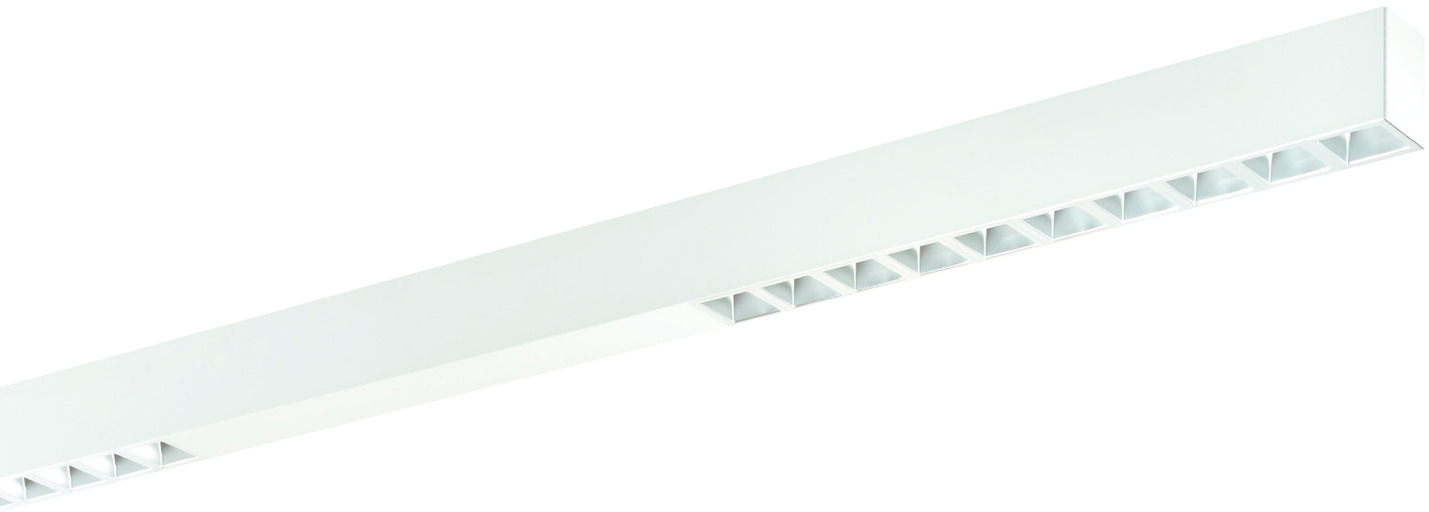


COMPARE COVER

Luminous Flux (lm)	satiné		microprism		high - gloss silver		silver matte		high - gloss gold		high - gloss copper	
	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
<b>4000 K</b>												
1404 mm direct	3811 lm	2264 lm	3556 lm	2241 lm	5414 lm	2870 lm	5252 lm	2784 lm	5089 lm	2697 lm	4965 lm	2631 lm
1404 mm di / id	5573 lm	3423 lm	5534 lm	3397 lm	6871 lm	3625 lm	6658 lm	3513 lm	6640 lm	3486 lm	6515 lm	3421 lm
	BAP white		BAP black		glaring gold		capital copper		gunnery grey		black chrome matte	
	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
1404 mm direct	4842 lm	2567 lm	2978 lm	1578 lm	3309 lm	1754 lm	3143 lm	1666 lm	3391 lm	1797 lm	3909 lm	2072 lm
1404 mm di / id	6303 lm	3309 lm	4221 lm	2216 lm	4642 lm	2437 lm	4433 lm	2327 lm	4794 lm	2517 lm	5501 lm	2888 lm

# quadro OFFICEspecial

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



## quadro OFFICEspecial - BAP louvre silver matte

<b>T65H14X-9016C2840H3P</b>	1404 mm	5506 lm	49W	3,3 kg
<b>T65H16X-9016C2840H3P</b>	1684 mm	5766 lm	51 W	4,5 kg
<b>T65H33X-9016C2840H3P</b>	3364 mm	11533 lm	102W	9,5 kg

Design: Roland Karrer



230V IP20  $R_a > 80$  UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



### LED

4000 K  
 up to 113 lm/W, up to 3922 lm/m  
 $R_a > 80$ , UGR < 16, MacAdam 3  
 DALI  
 IEC 62471: Blue light hazard: RG ≤ 1  
 Lifetime up to L80/50.000 h

### Optic

direct/indirect  
 BAP louvre

### Options

Emergency lighting 3h  
 Motion and day-light sensor  
 3000 K, dynamic white  
 BAP louvre colours  
 RAL of your choice  
 7 cable colours

### Housing

powder coated  
 RAL 9016





Sparkasse Schwaz / Austria



Attorney Friedl Holler, Leibnitz / Austria

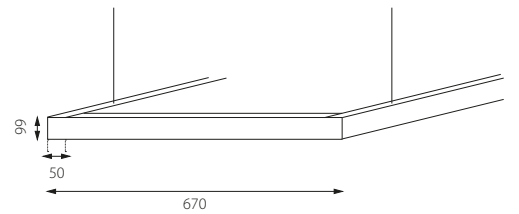
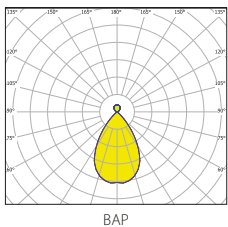




New Wave / Austria

# quadro quiet

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



**A++** **A**

230V IP20  $R_a > 80$  UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



## LED

3000K, 4000K, dynamic white  
 up to 113 lm/W, up to 3922 lm/m  
 $R_a > 80$ , UGR < 16, MacAdam 3  
 non-dim/DALI  
 IEC 62471: Blue light hazard: RG 0  
 Lifetime up to L80/50.000h

## Optic

direct/indirect  
 BAP louvre  
 Acoustic panel  
 ISO 11654: Class A,  $\alpha_w = 1,00$   
 EN 13501-1: B-s2,d0



## Options

Emergency lighting 3h  
 Motion and day-light sensor  
 10 BAP louvre colours  
 7 cable colours  
 4 Organoid® & 7 felt sound absorbers  
 RAL of your choice

## Housing

powder coated  
 RAL 9006   
 RAL 9016   
 RAL 9005

1 Länge | Length | Longueur | Lunghezza

1498 mm	149
1778 mm	177
3458 mm	345

2 Akustik Modul | Acoustic module | Panneau acoustique | Modulo acustico

QUIET.FELT standard anthracite melange	QA
QUIET.FELT standard pebble	QP
QUIET.FELT standard lime	QL
QUIET.FELT extra + black *	QB
QUIET.FELT extra + fire *	QF
QUIET.FELT extra + light grey melange *	QG
QUIET.FELT extra + chocolate *	QC
Organoid® Mous *	QM
Organoid® Wollä *	QW
Organoid® Wildspitze *	QH

\* QUIET.FELT extra + & Organoid® on demand

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

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

RAL colours on request

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

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

5 Output

	non Sensor	with Sensor
low output non-dim	L1	-
low output DALI	L3	L7
high output DALI	H3	H7
dynamic white	X3	X7

6 BAP louvre colours

BAP high-gloss silver	B	BAP black (RAL 9005)	N
BAP silver matte	P	BAP glaring gold	D
BAP high-gloss gold	G	BAP capital copper	R
BAP high-gloss copper	K	BAP gunnery grey	Y
BAP white (RAL 9016) *	W	BAP black chrome matte	C

BAP louvre colours (p. 190)

\* Versions UGR > 19: BAP white high output

Beispiel | Example | Exemple | Esempio

1778 mm, lime acoustic module, black, 4000 K, high output DALI, BAP gunnery grey  
**T65H177-QLSWC2840H3Y**

Luminous Flux (lm)

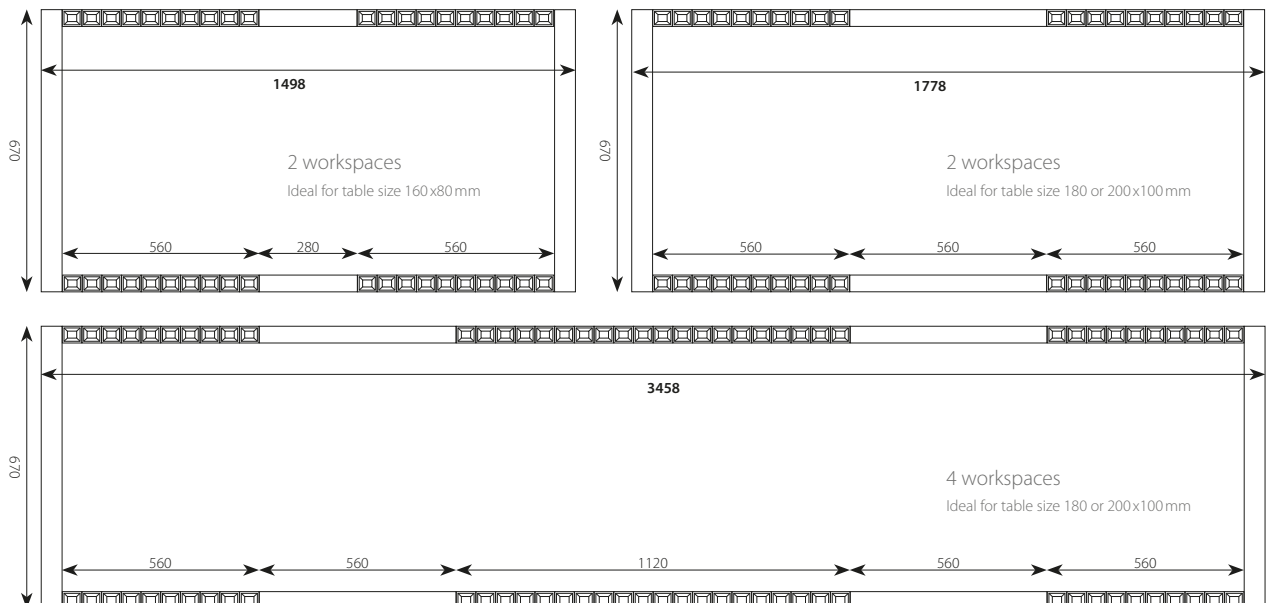
4000 K BAP silver matte	high output	low output
1498 mm	2x5505 lm	2x3036 lm
1778 mm	2x5766 lm	2x3197 lm
3458 mm	2x11533 lm	2x6394 lm

System Power (W)

BAP silver matte	high output	low output	dynamic white
1498 mm	2x49W	2x25W	2x52W
1778 mm	2x51W	2x26W	2x54W
3458 mm	2x102W	2x51W	2x107W

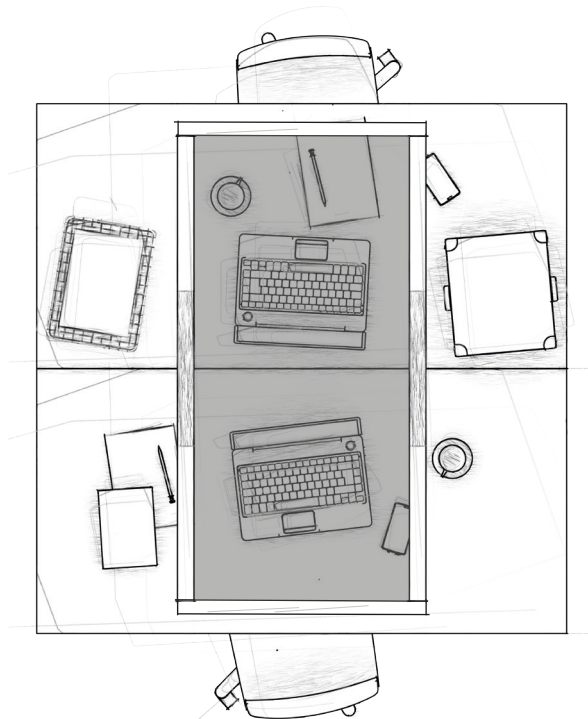
Weight (kg)

	QUIET.FELT
1498 mm	16 kg
1778 mm	17 kg
3458 mm	31 kg



# SILENCING WORKSPACES

## quadro quiet



### **GOOD** to know

quadro quiet is based on quadro OFFICEspecial, giving all its opportunities.

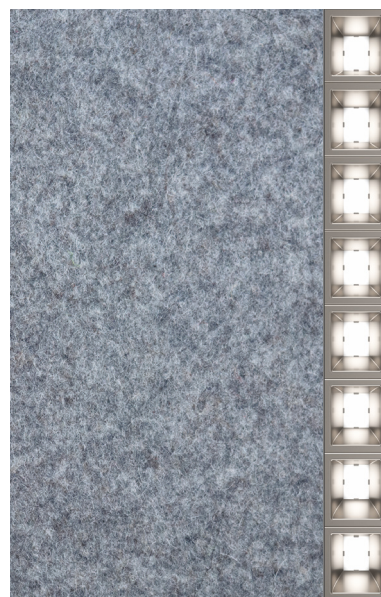
ANTHRACITE MELANGE



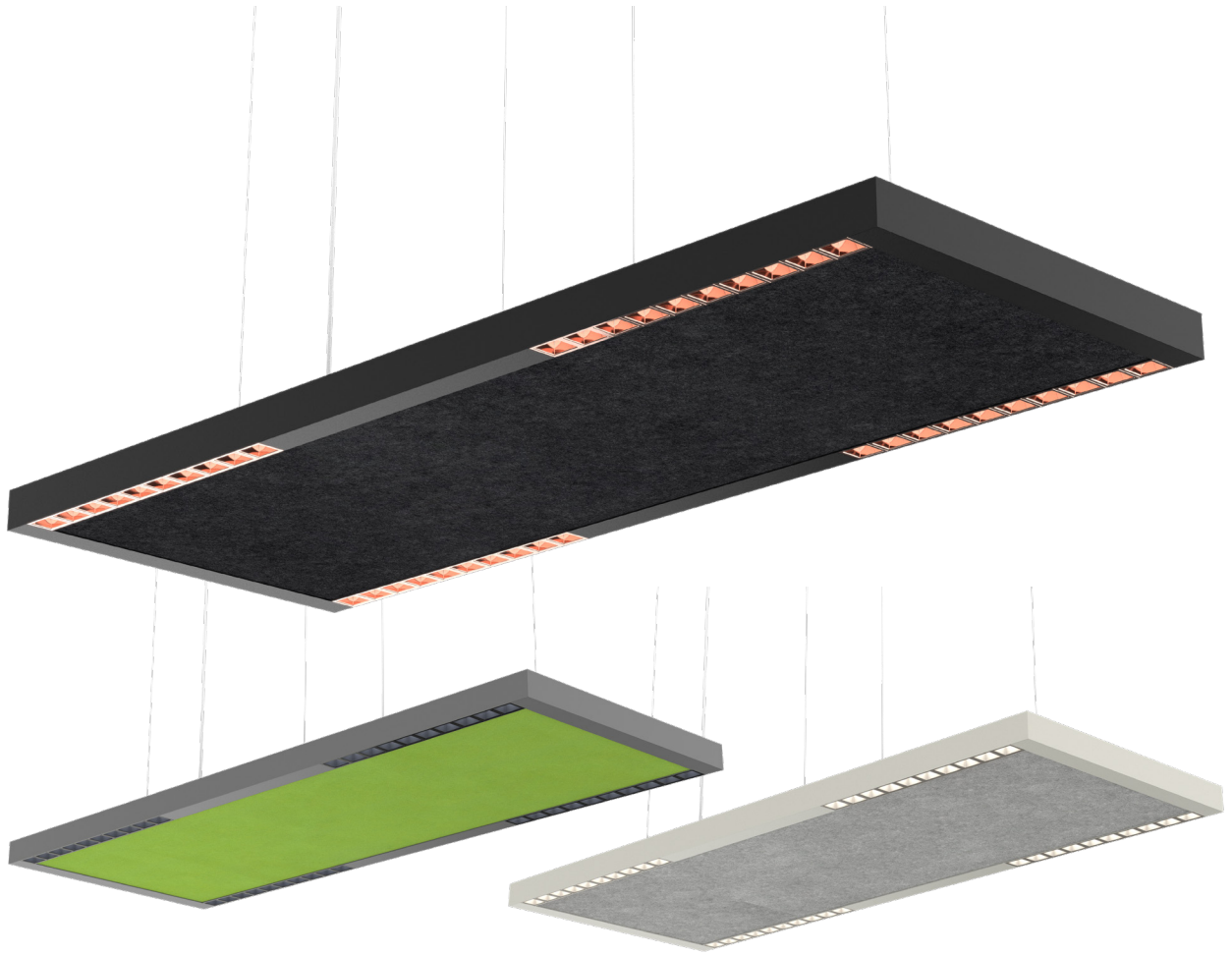
LIME



LIGHT GREY MELANGE







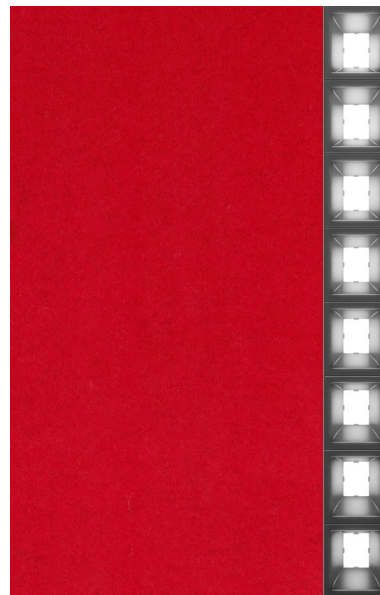
## GOOD to know

Rectangular quiet luminaires can also be ordered in customized sizes.  
On request also versions with pure 3 or p.forty are possible.

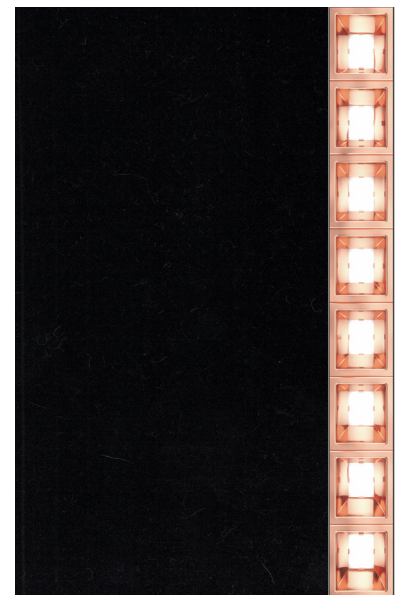
CHOCOLATE

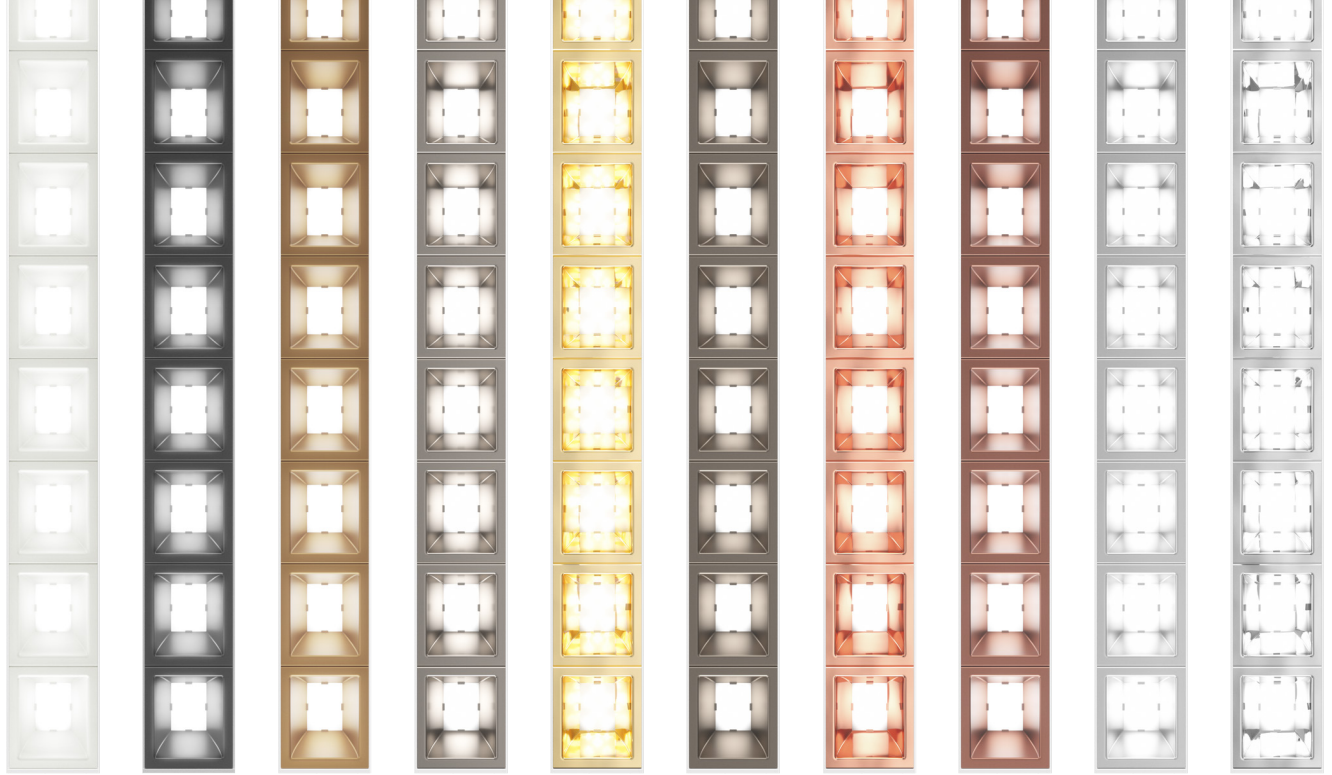


FIRE



BLACK





white 9016      black 9005      glaring gold      black chrome matte      high-gloss gold      gunnery grey      high-gloss copper      capital copper      silver matte      high-gloss silver



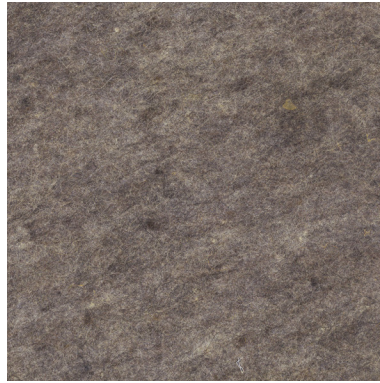
## GOOD to know

Rectangular quiet luminaires can also be ordered in customized sizes.  
On request also versions with pure 3 or p.forty are possible.

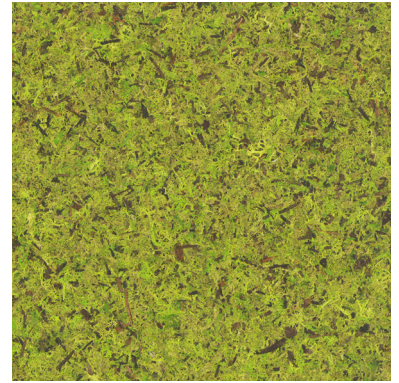
# ORGANOID®



WILDSPITZE  
[viltʃpitʂə]



WOLLÄ  
[ˈvɔlə]



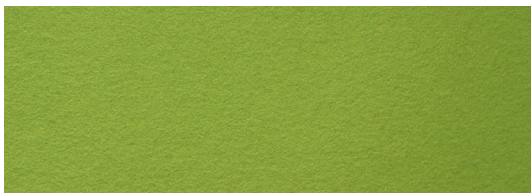
MOUS  
[ˈməʊz]

# FELT.QUIET

## STANDARD



ANTHRACITE MELANGE

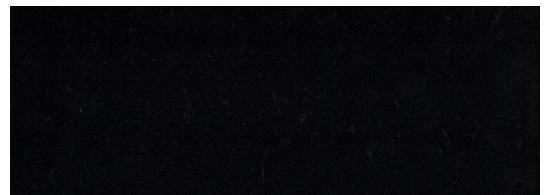


LIME



PEBBLE | KIESEL

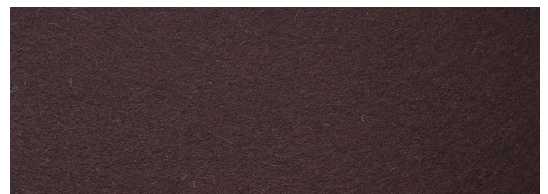
## EXTRA +



BLACK



FIRE



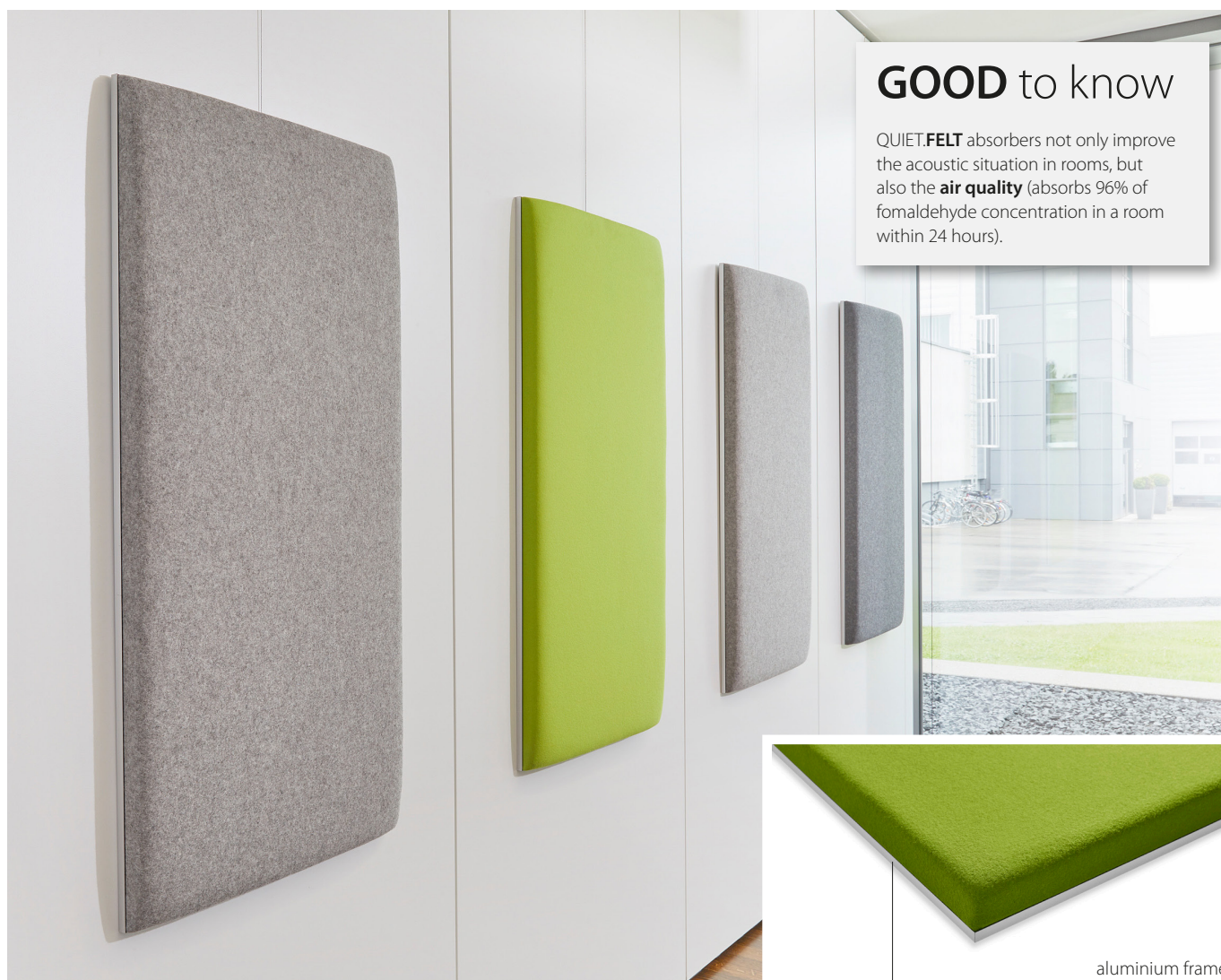
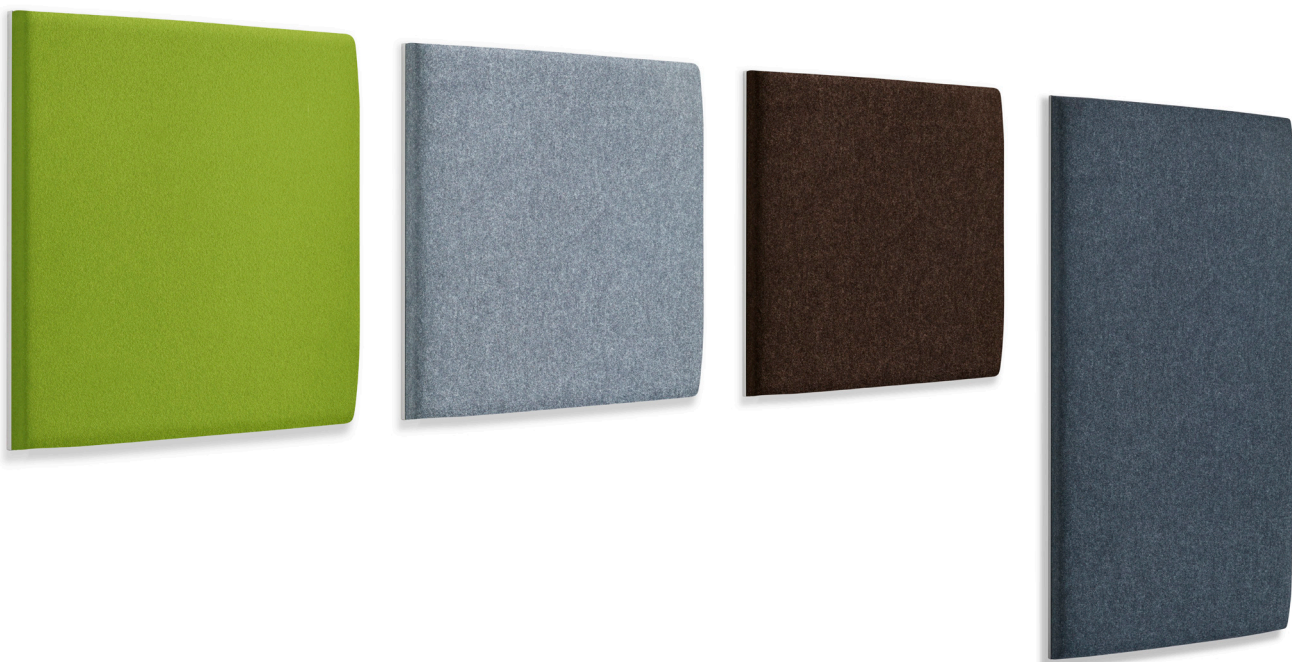
CHOCOLATE



LIGHT GREY MELANGE

# felt

Akustikpaneel | Acoustic panel | Panneau acoustique | Elementi fonoassorbenti



## GOOD to know

QUIET.FELT absorbers not only improve the acoustic situation in rooms, but also the **air quality** (absorbs 96% of formaldehyde concentration in a room within 24 hours).

aluminium frame

1 Länge | Length | Longueur | Lunghezza

600x600 mm	06Q
600x1200 mm	120

Beispiel | Example | Exemple | Esempio

600x1200 mm, anthracite melange acoustic module

**643-W120-QA**

2 Akustik Modul | Acoustic module | Panneau acoustique | Modulo acustico

QUIET.FELT standard anthracite melange	QA
QUIET.FELT standard ight grey melange	QG
QUIET.FELT standard lime	QL
QUIET.FELT extra+ black *	QB
QUIET.FELT extra+ fire *	QF
QUIET.FELT extra+ chocolate *	QC

\* QUIET.FELT extra+ on demand

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

pendant kit **B57101**



Acoustic panel

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

EN 13501-1: B-s2,d0

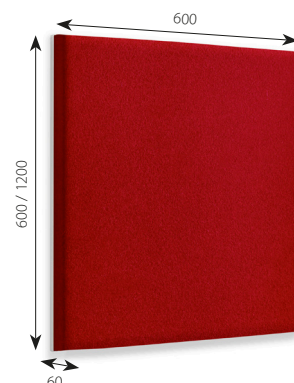


EQUIVALENT SOUND ABSORPTION AREA – absorber QUIET.FELT

Frequency Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	
600x600 mm	0,1	0,1	0,1	0,2	0,3	0,3	0,3	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4
600x1200 mm	0,1	0,2	0,3	0,5	0,5	0,6	0,7	0,7	0,8	0,8	0,8	0,8	0,8	0,7	0,7	0,7	0,7	0,7	0,7

RECOMMENDED NUMBER OF PANELS

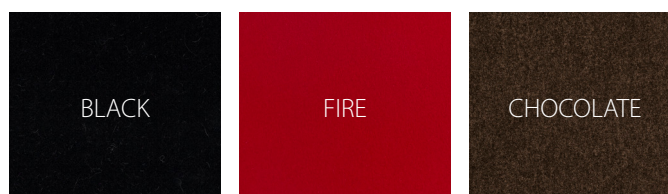
panel 600x1200 mm	2x	4x	6x	8x	12x	15x
panel 600x600 mm	4x	8x	12x	16x	24x	30x
small rooms < 15 m <sup>2</sup>	noticeable	good	very good	excellent		
medium rooms < 20 m <sup>2</sup>		noticeable	good	very good	excellent	
large rooms < 35 m <sup>2</sup>		noticeable	noticeable	good	very good	excellent



STANDARD

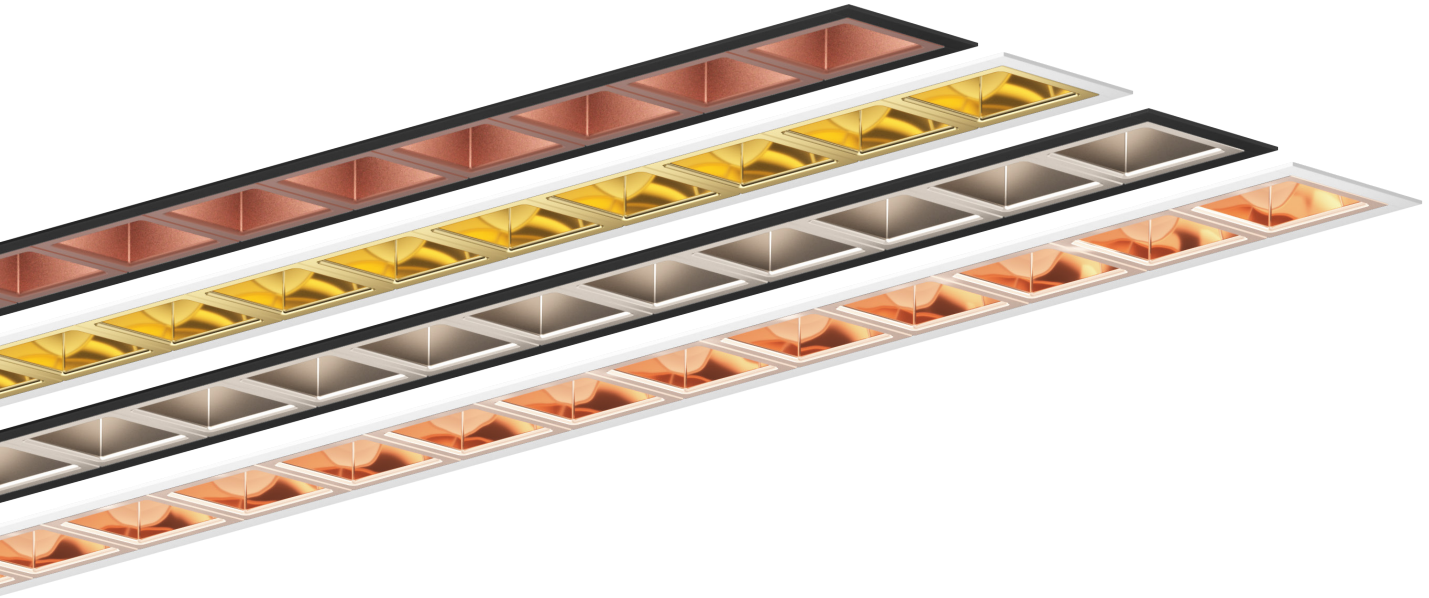


EXTRA +



# quadro

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



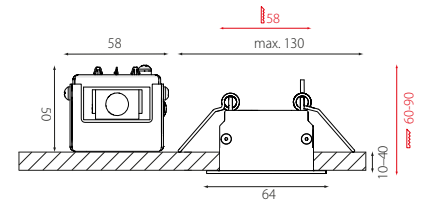
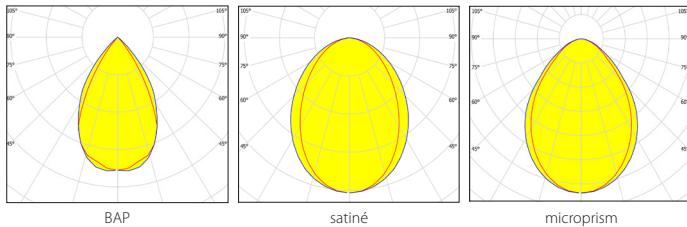
## GOOD to know

quadro recessed is **easy** to mount. Watch video!



Cut out ✂

all lengths - 6mm	WIDTH 58 mm	↑ DEPTH 60-90 mm
-------------------	----------------	---------------------



Design: Roland Karrer



230V IP20  $R_a > 80$  UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



### LED

3000K, 4000K, dynamic white  
up to 128 lm/W, up to 3867 lm/m  
 $R_a > 80$ , UGR < 16, MacAdam 3  
non-dim / DALI  
IEC 62471: Blue light hazard: RG ≤ 1  
Lifetime up to L80 / 50.000 h



### Optic

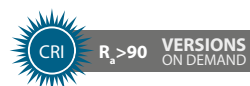
direct  
satiné  
microprism for reduced brightness (LRA)  
BAP louvre

### Options

Emergency lighting 3h  
Motion and day-light sensor  
BAP louvre colours  
RAL of your choice

### Housing

powder coated  
RAL 9006   
RAL 9016   
RAL 9005 



**1** Länge | Length | Longueur | Lunghezza

non Sensor		with Sensor	
576 mm	<b>057</b>		-
1136 mm	<b>113</b>	1161 mm	<b>116</b>
1416 mm	<b>141</b>	1441 mm	<b>144</b>
1696 mm	<b>169</b>		
2256 mm	<b>225</b>		

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

silber   silver   argent   argento (RAL 9006)	<b>9006</b>
weiß   white   blanc   bianco (RAL 9016)	<b>9016</b>
schwarz   black   noir   nero (RAL 9005)	<b>9005</b>

RAL colours on request

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

3000 K	<b>830</b>
4000 K	<b>840</b>
2700 - 6500 K dynamic white	<b>HCL</b>

**4** Output

	non Sensor	with Sensor
low output non-dim	<b>L1</b>	-
low output DALI	<b>L3</b>	<b>L7</b>
high output DALI	<b>H3</b>	<b>H7</b>
dynamic white	<b>X3</b>	<b>X7</b>

**5** Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné *	<b>S</b>	BAP white (RAL 9016) *	<b>W</b>
microprism *	<b>M</b>	BAP black (RAL 9005)	<b>N</b>
BAP high-gloss silver	<b>B</b>	BAP glaring gold	<b>D</b>
BAP silver matte	<b>P</b>	BAP capital copper	<b>R</b>
BAP high-gloss gold	<b>G</b>	BAP gunnery grey	<b>Y</b>
BAP high-gloss copper	<b>K</b>	BAP black chrome matte	<b>C</b>

BAP louvre colours (p. 270)

\* Versions UGR > 19: satiné, microprism, BAP white

Beispiel | Example | Exemple | Esempio

576 mm, white, 4000 K, high output DALI, BAP high-gloss silver

**T65E057-9016C1840H3B**

Luminous Flux (lm)

4000 K BAP silver matte	high output		low output	
	576 mm	1136 mm	1416 mm	1696 mm
	2100 lm	4201 lm	1113 lm	2227 lm
			2784 lm	3340 lm
			4453 lm	

System Power (W)

BAP silver matte	high output			low output			dynamic white			
	576 mm	1136 mm	1416 mm	1696 mm	2256 mm	576 mm	1136 mm	1416 mm	1696 mm	2256 mm
	21 W	40 W	50 W	60 W	79 W	10,5 W	20 W	25 W	30 W	40 W
						22 W	42 W	52 W	62 W	83 W

Weight (kg)

576 mm	2,2 kg
1136 mm	2,8 kg
1416 mm	3,2 kg
1696 mm	3,8 kg
2256 mm	4,4 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white 2700-6500 K
	high output	low output	high output	low output	
BAP silver matte					
1416 mm	5099 lm	2702 lm	5252 lm	2784 lm	4640 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism		high-gloss silver		silver matte		high-gloss gold		high-gloss copper	
	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
4000 K												
1416 mm	3811 lm	2264 lm	3556 lm	2069 lm	5414 lm	2870 lm	5252 lm	2784 lm	5089 lm	2697 lm	4965 lm	2631 lm



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