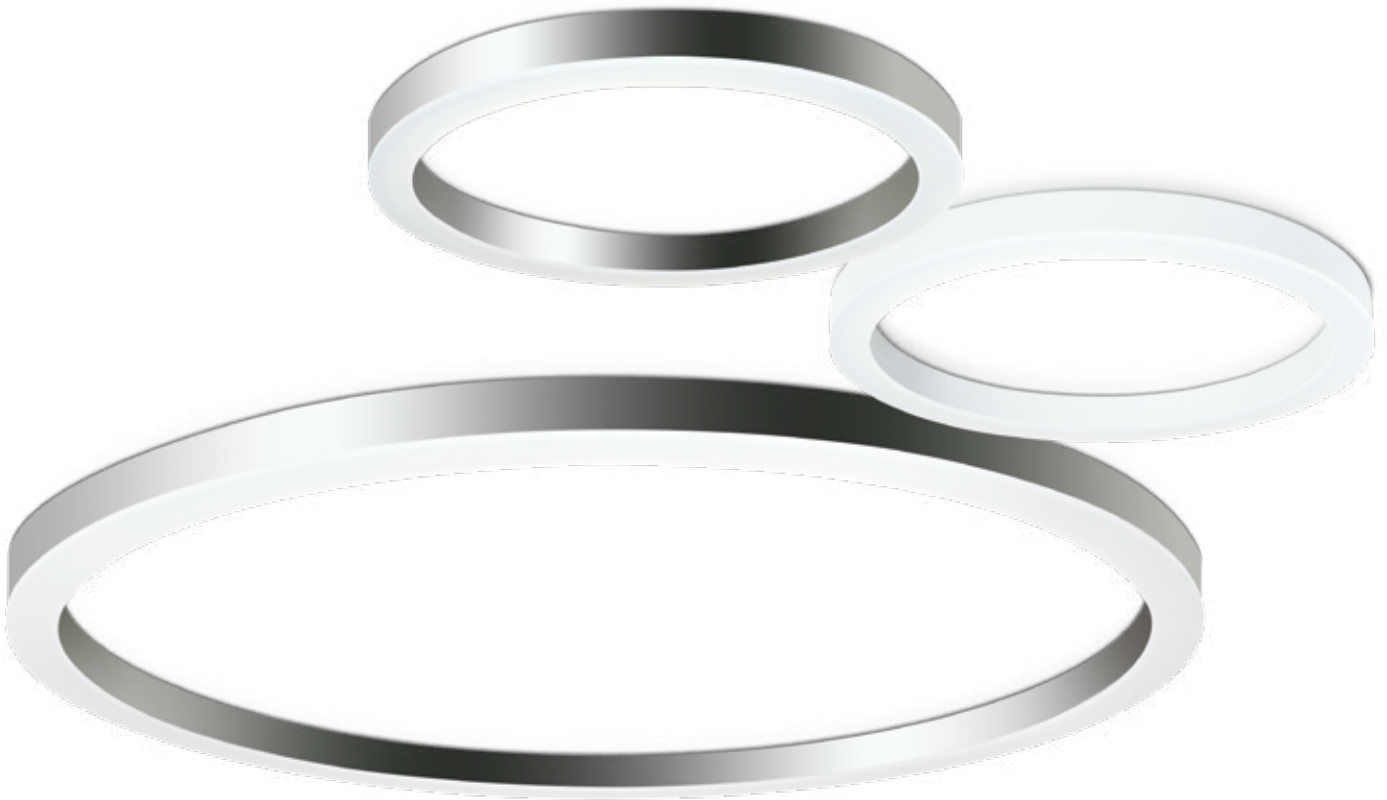


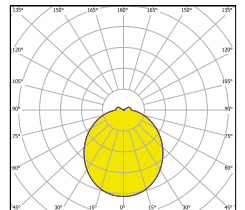


halo

FOCUS



Diffusor 7 mm hoch für seitlichen Lichtaustritt. |
Diffuser with a height of 7 mm to allow lateral light emission. |
Diffusion latérale par le biais d'un diffuseur de 7 mm de haut.



Housing

Steel, powder coated silver RAL 9006, Steel powder coated white RAL 9016

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



LED

3000 K, 4000 K

up to 97 lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG0 IEC 62471

Lifetime

up to L90 / 50.000h

Optic

direct

satiné

Options

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 10)



Design: Nina Mair

1 Dimension

| | |
|-----------|-----|
| ø 760 mm | 076 |
| ø 1040 mm | 104 |
| ø 1220 mm | 122 |
| ø 1360 mm | 136 |

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 |

Beispiel | Example | Exemple

ø 760 mm, weiß | white | blanc, 4000 K, high output DALI dim
R48A076-9016C1840H3S

Luminous Flux (lm)

| | 3000 K | | 4000 K | |
|-----------|-------------|------------|-------------|------------|
| | high output | low output | high output | low output |
| ø 760 mm | 3710 lm | 2356 lm | 3837 lm | 2437 lm |
| ø 1040 mm | 4357 lm | 3183 lm | 4509 lm | 3294 lm |
| ø 1220 mm | 5591 lm | 3870 lm | 5786 lm | 4005 lm |
| ø 1360 mm | 6962 lm | 4944 lm | 7200 lm | 5113 lm |

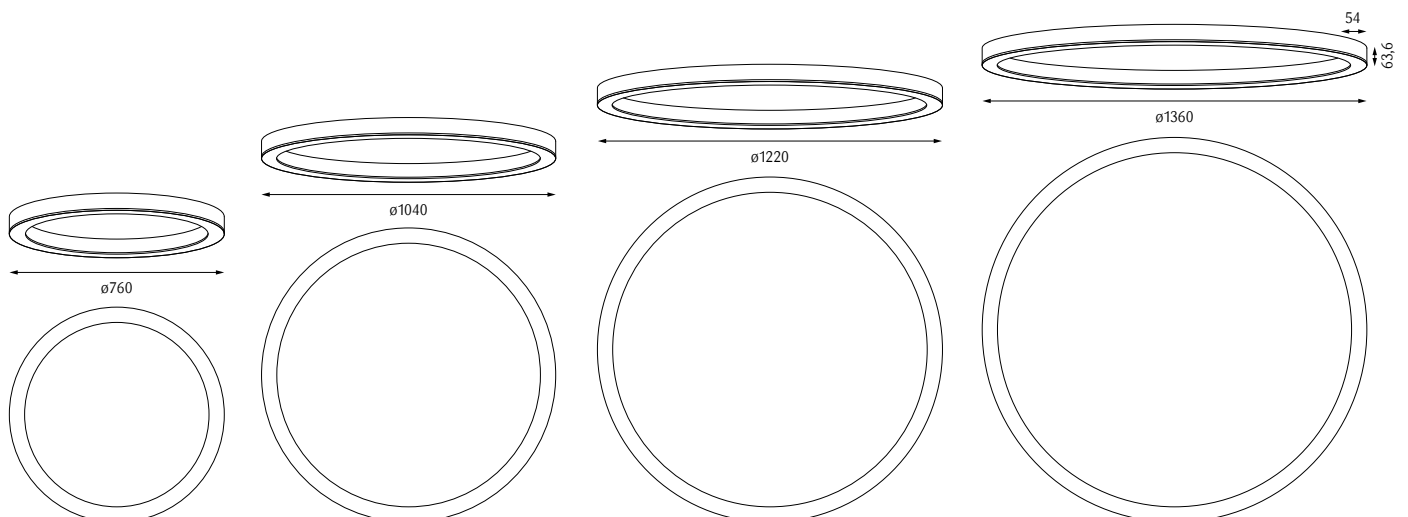
System Power (W)

| | high output | low output |
|-----------|-------------|------------|
| ø 760 mm | 41 W | 26 W |
| ø 1040 mm | 51 W | 37 W |
| ø 1220 mm | 62 W | 42 W |
| ø 1360 mm | 74 W | 52 W |

Weight (kg)

| | |
|-----------|---------|
| ø 760 mm | 10,0 kg |
| ø 1040 mm | 14,0 kg |
| ø 1220 mm | 15,0 kg |
| ø 1360 mm | 18,0 kg |

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.



in use ...

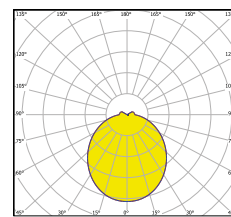
halo



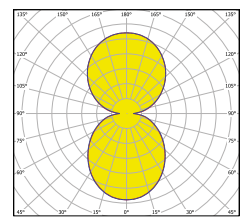




Diffusor 7 mm hoch für seitlichen Lichtaustritt.
Diffuser with a height of 7 mm to allow lateral light emission.
Diffusion latérale par le biais d'un diffuseur de 7 mm de haut.



direct



direct/indirect

Housing

Steel, powder coated silver RAL 9006, Steel, powder coated white RAL 9016

230V IP20 IP40 $R_g > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000 K, 4000 K

up to 106 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, direct/indirect

satiné

Options

RAL nach Wahl | RAL of your choice | RAL au choix (more information p. 10)



Design: Nina Mair

1 Abhängung | Cable mounting | Système de suspension

| | |
|---|---|
| Standard | H |
| Zentrale Seilabhängung Central Centré | Z |

5 Farbtemperatur | Colour temperature | Température de couleur

| | |
|--------|-----|
| 3000 K | 830 |
| 4000 K | 840 |

2 Dimension

| | |
|-----------|-----|
| ø 760 mm | 076 |
| ø 1040 mm | 104 |
| ø 1220 mm | 122 |
| ø 1360 mm | 136 |

6 Output

| | |
|----------------------|----|
| low output non-dim | L1 |
| high output DALI dim | H3 |

3 Gehäusefarbe | Housing colour | Couleur du luminaire

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

4 direct/indirect

| | |
|----------------------|----|
| direct IP20 | C1 |
| direct/indirect IP40 | E2 |

Beispiel | Example | Exemple

Zentral, ø 760 mm, weiß | white | blanc, direct, 4000 K, high output DALI dim
R48Z076-9016C1840H3S

Luminous Flux (lm) direct

| | 3000 K | | 4000 K | |
|-----------|-------------|------------|-------------|------------|
| | high output | low output | high output | low output |
| ø 760 mm | 3791 lm | 2288 lm | 3945 lm | 2366 lm |
| ø 1040 mm | 4493 lm | 3065 lm | 4649 lm | 3171 lm |
| ø 1220 mm | 6183 lm | 3760 lm | 6399 lm | 3891 lm |
| ø 1360 mm | 7224 lm | 4681 lm | 7471 lm | 4842 lm |

System Power (W) direct

| | high output | low output | Weight (kg) |
|-----------|-------------|------------|-------------|
| | ø 760 mm | 40 W | |
| ø 1040 mm | 51 W | 35 W | 14,0 kg |
| ø 1220 mm | 67 W | 40 W | 15,0 kg |
| ø 1360 mm | 73 W | 46 W | 18,0 kg |

Luminous Flux (lm) direct/indirect

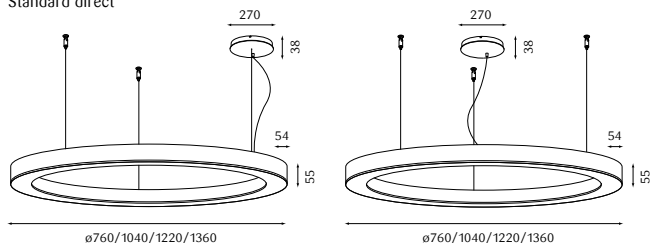
| | 3000 K | | 4000 K | |
|-----------|-------------|------------|-------------|------------|
| | high output | low output | high output | low output |
| ø 760 mm | 7584 lm | 4576 lm | 7843 lm | 4732 lm |
| ø 1040 mm | 8969 lm | 6123 lm | 9283 lm | 6337 lm |
| ø 1220 mm | 12388 lm | 7516 lm | 12821 lm | 7779 lm |
| ø 1360 mm | 14417 lm | 9355 lm | 14910 lm | 9676 lm |

System Power (W) direct/indirect

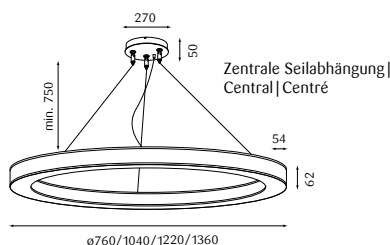
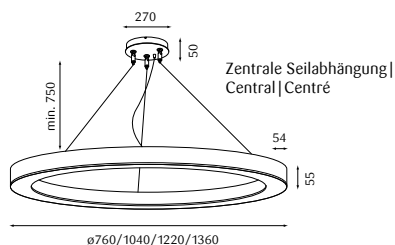
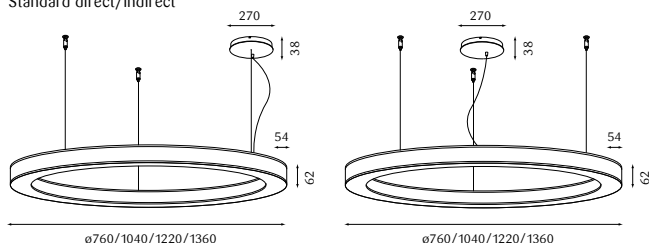
| | high output | low output | Weight (kg) |
|-----------|-------------|------------|-------------|
| | ø 760 mm | 81 W | |
| ø 1040 mm | 102 W | 69 W | 14,0 kg |
| ø 1220 mm | 134 W | 79 W | 15,0 kg |
| ø 1360 mm | 146 W | 91 W | 18,0 kg |

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.

Standard direct



Standard direct/indirect



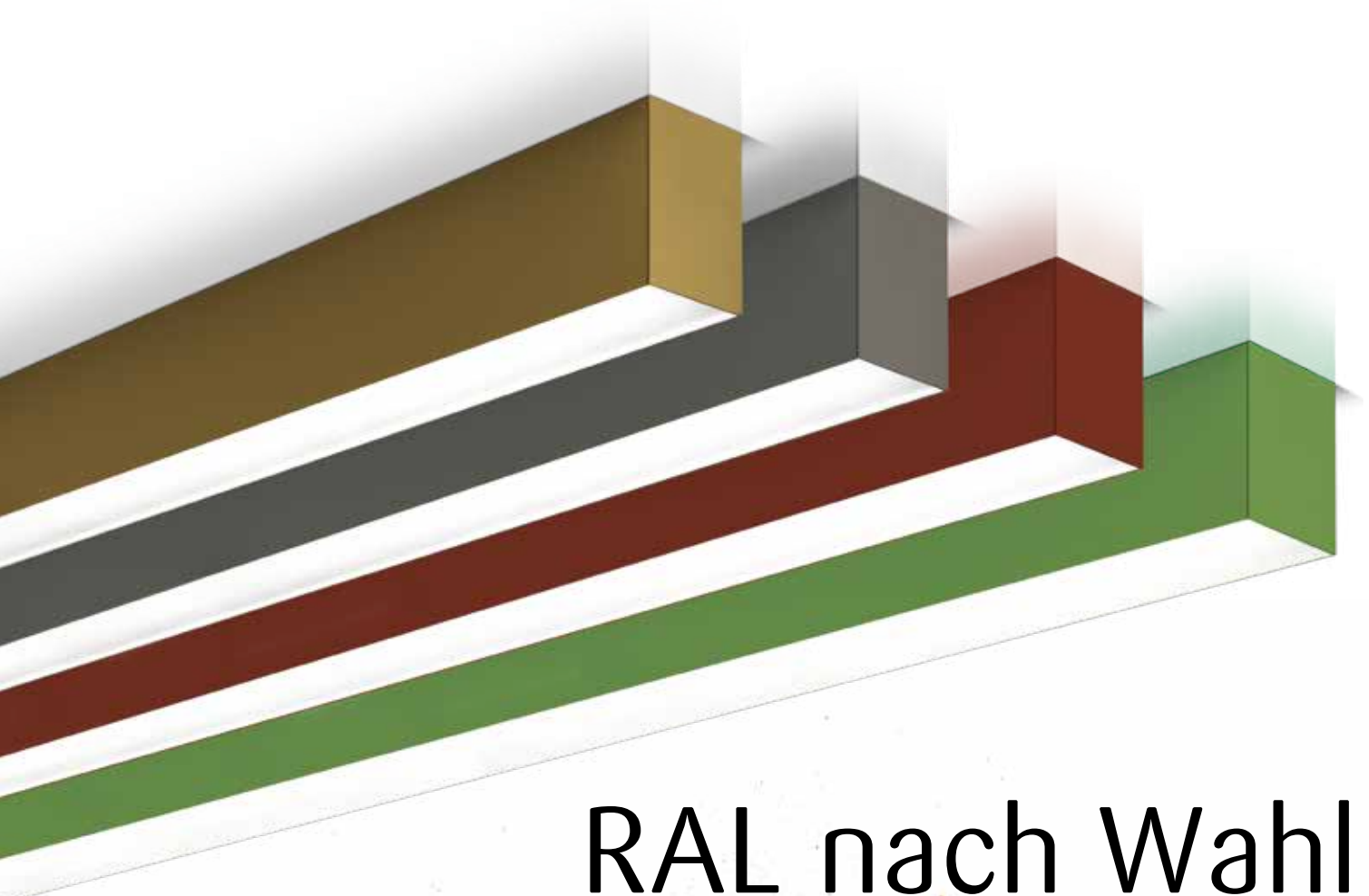
in use ...

halo

- ↓ First International Bank of Israel,
Tel Aviv/Israel
Planner: Ofer Fridman







RAL nach Wahl

RAL of your choice | RAL au choix

Ohne Farbe keine Form.

Rudolf Maison

No shape without color.

La matière n'a pas de forme sans couleur.

Auswahl der beliebtesten RAL-Farben aus unserem Leuchtensortiment.
 A selection of the most popular colors our range of luminaires.
 Sélection des couleurs RAL les plus demandées pour notre gamme de luminaires.

| | | | | | | | | | |
|--|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| RAL 1001 Beige | RAL 1003 Signalgelb Signal yellow Jaune de sécurité | RAL 1004 Goldgelb Golden yellow Jaune or | RAL 1013 Perlweiß Oyster white Blanc perlé | RAL 1014 Efenbein Ivory Ivoire | RAL 1015 Hellelfenbein Light ivory Ivoire clair | RAL 1016 Schwefelgelb Sulfur yellow Jaune soufre | RAL 1018 Zinkgelb Zinc yellow Jaune zinc | RAL 1019 Graubeige Gray beige Beige gris | RAL 1021 Rapsgelb Colza yellow Jaune colza |
|  |  |  |  |  |  |  |  |  |  |
| RAL 1023 Verkehrsgelb Traffic yellow Jaune signalisation | RAL 1035 Perlbeige Pearl beige Beige nacré | RAL 1036 Perlgold Pearl gold Or nacré | RAL 2000 Gelborange Yellow orange Orangé jaune | RAL 2001 Rotorange Red orange Orangé rouge | RAL 2003 Pastellorange Pastel orange Orangé pastel | RAL 2008 Hellrotorange Bright red orange Orangé rouge clair | RAL 2009 Verkehrsorange Traffic orange Orangé signalisation | RAL 3000 Feuerrot Flame red Rouge feu | RAL 3002 Karminrot Carmine red Rouge carmin |
|  |  |  |  |  |  |  |  |  |  |
| RAL 3003 Rubinrot Ruby red Rouge rubis | RAL 3009 Oxidrot Oxide red Rouge oxyde | RAL 3011 Braunrot Brown red Rouge brun | RAL 3013 Tomatenrot Tomato red Rouge tomate | RAL 3016 Korallenrot Coral red Rouge corail | RAL 3018 Erdbeerrot Strawberry red Rouge fraise | RAL 3020 Verkehrsrot Traffic Red Rouge signalisation | RAL 3031 Orientrot Orient red Rouge oriental | RAL 3032 Perlrubinrot Pearl ruby red Rouge rubis | RAL 3033 Perlrosa Pearl pink Rose nacré |
|  |  |  |  |  |  |  |  |  |  |
| RAL 4005 Blaulila Blue lilac Lilas bleu | RAL 4010 Telemagenta | RAL 4011 Perlviolett Pearl violet Violet nacré | RAL 4012 Perlbrombeer Pearl blackberry Mûre nacré | RAL 5002 Ultramarinblau Ultramarine blue Bleu outremer | RAL 5004 Schwarzblau Black blue Bleu noir | RAL 5010 Enzianblau Gentian blue Bleu gentiane | RAL 5012 Lichtblau Light blue Bleu clair | RAL 5013 Kobaltblau Cobalt blue Bleu cobalt | RAL 5018 Türkisblau Turquoise blue Bleu turquoise |
|  |  |  |  |  |  |  |  |  |  |
| RAL 5023 Fernblau Distant blue Bleu distant | RAL 5024 Pastellblau Pastel blue Bleu pastel | RAL 5025 Perlenzian Pearl gentian blue Gentiane nacré | RAL 5026 Perlnachtblau Pearl night blue Bleu nuit nacré | RAL 6013 Schilfgrün Reed green Vert jonc | RAL 6014 Gelboliv Yellow olive Olive jaune | RAL 6017 Maigrün May green Vert mai | RAL 6018 Gelbgrün Yellow green Vert jaune | RAL 6019 Weißgrün Pastel green Vert blanc | RAL 6027 Lichtgrün Light green Vert clair |
|  |  |  |  |  |  |  |  |  |  |
| RAL 6034 Pastelltürkis Pastel turquoise Turquoise pastel | RAL 7001 Silbergrau Silver grey Gris argent | RAL 7004 Signalgrau Signal gray Gris de sécurité | RAL 7006 Beigegrü Beige grey Gris beige | RAL 7011 Eisengrau Iron grey Gris fer | RAL 7012 Basaltgrau Basalt grey Gris basalte | RAL 7013 Braungrau Brown grey Gris brun | RAL 7015 Schiefergrau Slate gray Gris ardoise | RAL 7016 Anthrazitgrau Anthracite grey Gris anthracite | RAL 7021 Schwarzgrau Black grey Gris noir |
|  |  |  |  |  |  |  |  |  |  |
| RAL 7022 Umbragrau Umbr grey Gris terre | RAL 7024 Graphitgrau Graphite grey Gris graphite | RAL 7030 Steingrau Stone grey Gris pierre | RAL 7031 Blaugrau Blue grey Gris bleu | RAL 7032 Kieselgrau Pebble grey Gris silex | RAL 7035 Lichtgrau Light grey Gris clair | RAL 7037 Staubgrau Dusty grey Gris poussière | RAL 7038 Achatgrau Agate grey Gris agate | RAL 7039 Quarzgrau Quartz grey Gris quartz | RAL 7043 Verkehrsgrau B Traffic grey B Gris signalisation B |
|  |  |  |  |  |  |  |  |  |  |
| RAL 7044 Seidengrau Silk grey Gris soie | RAL 7047 Telegrey 4 Telegrey 4 Telegris 4 | RAL 7048 Perlmausgrau Pearl mouse grey Gris souris nacré | RAL 8003 Lehmgrau Clay brown Brun argile | RAL 8011 Nussgrau Nut brown Brun noisette | RAL 8012 Rotgrau Red brown Brun rouge | RAL 8016 Mahagonibraun Mahogany brown Brun acajou | RAL 8017 Schokoladenbraun Chocolate brown Brun chocolat | RAL 8019 Graubraun Gray brown Brun gris | RAL 8024 Beigebraun Beige brown Brun beige |
|  |  |  |  |  |  |  |  |  |  |
| RAL 8028 Terrabraun Terra brown Brun terre | RAL 8029 Perlkupfer Pearl copper Cuivre nacré | RAL 9001 Cremweiß Cream Blanc crème | RAL 9002 Grauweiß Gray white Blanc gris | RAL 9011 Graphitschwarz Graphite black Noir graphite | RAL 9017 Verkehrsschwarz Traffic white Blanc signalisation | RAL 9022 Perllichtgrau Pearl light grey Gris clair nacré | RAL 9022 Perllichtgrau Pearl light grey Gris clair nacré | RAL 9022 Perllichtgrau Pearl light grey Gris clair nacré | RAL 9022 Perllichtgrau Pearl light grey Gris clair nacré |
| | | | | | | |  |  |  |
| | | | | | | | Gunnery GREY | Capital COPPER | Glaring GOLD |
| | | | | | | | SPECIAL COLOURS | | |



**Sweden
Sales Office**
Vertriebsbüro Schweden

Tel. +46 709 51 41 56
info@planlicht.com



**Finland
Sales Office**
Vertriebsbüro Finnland

00540 Helsinki, Finland
Sörnäistenlaituri 3
Tel. +358-400-619933,
+358-400-700975
info@planlicht.com



**Germany
Sales Office**
Vertriebsbüro Deutschland

44141 Dortmund, Germany
Westfalendamm 69
Tel. +49-231-3954 5653
Fax +49-231-8602 0839
info@planlicht.com



**France
Sales Office**
Vertriebsbüro Frankreich

67300 Schiltigheim, France
5, allée d'Helsinki
Tél. +33 390 20 82 07
info@planlicht.com



Headquarters & Production
Zentrale & Produktion

6134 Vomp, Austria, Au 25
Tel. +43-5242-71608, Fax +43-5242-71283
info@planlicht.com, www.planlicht.com