

V213

LED downlights

recessed light fitting with electronic control gear • control gear option • ring of aluminium die-cast suitable for mounting of complements • colour option • efficient high quality aluminium reflectors MD, WF and HU reflector with UGR < 19 • optional decorative accessories • rated median operational life-time of luminaire 50 000h L70/B50 at Ta = 25°C • Standard Deviation Colour Matching MacAdam 3-step • quick installation without tools • suitable also for assembly in concrete housing • increased IP in closed ceilings



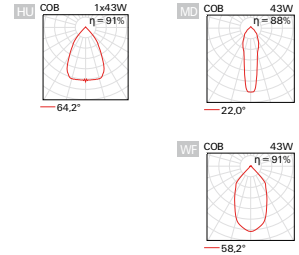
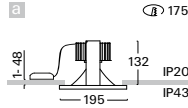
HU



MD



WF



| Order code | Pict. | Power | Flux | Tc | Ra | kg |
|------------------|-------|----------|---------|--------|------|-----|
| V213sCWI.108/ .. | a | 1 x 8 W | 1140 lm | 3000 K | ≥ 80 | 0,7 |
| V213sCCI.108/ .. | a | 1 x 8 W | 1180 lm | 4000 K | ≥ 80 | 0,7 |
| V213sCDI.108/ .. | a | 1 x 8 W | 1180 lm | 5000 K | ≥ 80 | 0,7 |
| V213sCWI.110/ .. | a | 1 x 10 W | 1400 lm | 3000 K | ≥ 80 | 0,7 |
| V213sCCI.110/ .. | a | 1 x 10 W | 1450 lm | 4000 K | ≥ 80 | 0,7 |
| V213sCDI.110/ .. | a | 1 x 10 W | 1450 lm | 5000 K | ≥ 80 | 0,7 |
| V213sCWI.114/ .. | a | 1 x 14 W | 1950 lm | 3000 K | ≥ 80 | 0,7 |
| V213sCCI.114/ .. | a | 1 x 14 W | 2000 lm | 4000 K | ≥ 80 | 0,7 |
| V213sCDI.114/ .. | a | 1 x 14 W | 2000 lm | 5000 K | ≥ 80 | 0,7 |
| V213sCWI.120/ .. | a | 1 x 20 W | 2600 lm | 3000 K | ≥ 80 | 0,7 |
| V213sCCI.120/ .. | a | 1 x 20 W | 2650 lm | 4000 K | ≥ 80 | 0,7 |
| V213sCDI.120/ .. | a | 1 x 20 W | 2650 lm | 5000 K | ≥ 80 | 0,7 |
| V213sCWI.129/ .. | a | 1 x 29 W | 3500 lm | 3000 K | ≥ 80 | 0,7 |
| V213sCCI.129/ .. | a | 1 x 29 W | 3600 lm | 4000 K | ≥ 80 | 0,7 |
| V213sCDI.129/ .. | a | 1 x 29 W | 3600 lm | 5000 K | ≥ 80 | 0,7 |
| V213sCWI.137/ .. | a | 1 x 37 W | 4200 lm | 3000 K | ≥ 80 | 0,7 |
| V213sCCI.137/ .. | a | 1 x 37 W | 4300 lm | 4000 K | ≥ 80 | 0,7 |
| V213sCDI.137/ .. | a | 1 x 37 W | 4300 lm | 5000 K | ≥ 80 | 0,7 |
| V213sCWI.143/ .. | a | 1 x 43 W | 4900 lm | 3000 K | ≥ 80 | 0,8 |
| V213sCCI.143/ .. | a | 1 x 43 W | 5000 lm | 4000 K | ≥ 80 | 0,8 |
| V213sCDI.143/ .. | a | 1 x 43 W | 5000 lm | 5000 K | ≥ 80 | 0,8 |
| V213sCWI.148/ .. | a | 1 x 48 W | 5900 lm | 3000 K | ≥ 80 | 0,8 |
| V213sCCI.148/ .. | a | 1 x 48 W | 6050 lm | 4000 K | ≥ 80 | 0,8 |
| V213sCDI.148/ .. | a | 1 x 48 W | 6050 lm | 5000 K | ≥ 80 | 0,8 |

Higher colour rendering index - CRI (only for Tc 3000K, 4000K)

D

Example of order code assembly: Ra ≥90

V213sDCI.143/WFD3

Special chromaticity / spectrum of LED source

B / I / S / H / K / T / R / Y / F / Z / A / V / P / 6

Example of order code assembly: spectrum for meat and sausages

V213sCRI.143/WFD3

Dimmable version (* not available for 8W)

A* / C / D / T / L* / X / B

Example of order code assembly: dimmable DALI

V213sCCD.143/WFD3

Emergency version

N / H / F / G

Example of order code assembly: emergency operation

V213sCCIN.143/WFD3

Optional type of reflector

HU / MD / WF

Example of order code assembly: reflector WF

V213sCCI.143/WFD3



Accessories



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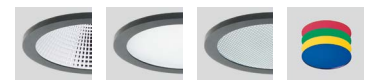
KZMK - 04
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KALK - 04
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KRK
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KV - 04
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Complements - not for HU reflector!



A1/T1 - 01
clear glass

A3/T3 - 01
opal glass

P1 - 01
prisma

F-01
colour filters



LED COB

W3

S3

D3

B3



230V-50Hz

EXPLANATORY NOTES

for order code assembly

| | | | | | | | | | | | | | |
|---|-----|---|----|----|---|-----|---|---|----|----|---|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | | |
| V | 299 | s | LW | DN | . | 124 | A | / | HD | A3 | . | W3 | B |

| 1 | MOUNTING CATEGORY | | | 2 | PRODUCT CODE | | 3 | CONFIGURATION OF LIGHT FITTING | | | | |
|---------------------|---|---|-------------------|-------------------------|--|--|-------------------------------------|--|--|--|--|--|
| V | recessed | L | track | 299 | type marking of light fitting | | s | control gear on cable (part of I. fitting) | | | | |
| S | ceiling | Z | pendant | 014 | type marking of insert | | c | control gear in luminaire (part of I. fitting) | | | | |
| N | wall | C | insert of fitting | etc. | | | a | control gear in adapter (part of I. fitting) | | | | |
| F | floor | | | | | | r | control gear in rosette (part of I. fitting) | | | | |
| | | | | | | | - | without control gear | | | | |
| 4 | TYPE OF LIGHT SOURCE (SOCKET) | | | | | | | | | | | |
| Q0 | LED PAR16 (GU10) | | | E2 | LED A60, A65 (E27) | | E2 | LED PAR20, 30, 38 (E27) | | | | |
| 4a | TYPE OF LED LIGHT SOURCE | | | 4b | CHROMATICITY OF LED SOURCE | | 4b | SPECTRUM OF LED SOURCE | | | | |
| A | LED COIN 111 COB, COIN 111 AC Ra >80 | | | I | warm white "interna" (2700 K) | | R | spectrum for meat and sausages | | | | |
| B | LED COIN 111 COB Ra >90 | | | W | warm white (3000 K) | | Y | spectrum for pastry, delicatessen and cheese | | | | |
| F | LED COIN 50 COB Ra >80 | | | B | white (3500 K) | | F | spectrum for fish | | | | |
| G | LED COIN 50 COB Ra >90 | | | C | cool white (4000 K) | | Z | spectrum for fruits and vegetables | | | | |
| N | LED COIN 35 COB Ra >80 | | | D | daylight white (5000 K) | | A | spectrum for art (Ra>97) | | | | |
| P | LED COIN 35 COB Ra >90 | | | S | cool daylight (6500 K) | | V | spectrum for clothing, fashion | | | | |
| L | LED panel Ra >80 | | | K | tunable white - commercial (2700 K-6500 K) | | P | spectrum for plant growth | | | | |
| M | LED panel Ra >90 | | | T | dim to warm (dimming to warm chroma.) | | | | | | | |
| C | LED COB Ra >80 | | | | | | | | | | | |
| D | LED COB Ra >90 | | | | | | | | | | | |
| 5 | TYPE OF CONTROL GEAR | | | | | | 6 | NUMBER AND OUTPUT OF LIGHT SOURCE | | | | |
| BASIC CONFIGURATION | | | | EMERGENCY CONFIGURATION | | | NUMBER OF SOURCES, POWER OF FITTING | | | | | |
| I | non-dimmable constant current driver | | | N | emergency 1h | | 108 | 1 x 8 W | | | | |
| U | non-dimmable constant voltage driver | | | H | emergency 3h | | 114 | 1 x 14 W | | | | |
| A | dimmable analog 1-10V | | | F | emergency 1h with autotest | | 229 | 2 x 29 W | | | | |
| D | dimmable DALI | | | G | emergency 3h with autotest | | 337 | 3 x 37 W | | | | |
| S | dimmable DSI | | | Z | electronic address module | | 443 | 4 x 43 W | | | | |
| C | dimmable with CORRIDOR function | | | P | central battery system | | | | | | | |
| T | dimmable using button 230V | | | | | | | | | | | |
| W | dimmable using push-button on luminaire | | | | | | | | | | | |
| L | phase dimmable | | | | | | | | | | | |
| X | dimmable Tunable white DALI | | | | | | | | | | | |
| B | dimmable Casambi (Bluetooth) | | | | | | | | | | | |
| 7 | TYPE OF REFLECTOR | | | | | | | TYPE OF DIFFUSER | | | | |
| SS | super spot - beam angle <10° | | | MDG | medium - beam angle 21-34° (gold) | | HD | smooth divided | | | | |
| SP | spot - beam angle 10-20° | | | FLG | flood - beam angle 35-49° (gold) | | HG | powder coated gold (G1) | | | | |
| MD | medium - beam angle 21-34° | | | HU | smooth UGR < 19 | | SB | powder coated black sand (B3) | | | | |
| FL | flood - beam angle 35-49° | | | MU | matt UGR < 19 | | SW | powder coated white sand (W3) | | | | |
| WF | wideflood - beam angle ≥ 50° | | | | | | xx | optional RAL colour | | | | |
| 8 | TYPE OF COVER GLASS / FILTER | | | | | | | | | | | |
| T1 | tempered glass - clear | | | F4 | blue filter | | FH | honeycomb louvre | | | | |
| T3 | tempered glass - opal | | | F5 | red filter | | F9 | linear spread lens* | | | | |
| A1 | acrylic glass - clear | | | F6 | green filter | | | | | | | |
| A3 | acrylic glass - opal | | | F7 | yellow filter | | | | | | | |
| M1 | acrylic microprisma - clear | | | | | | | * for use with SP/MD reflector only | | | | |
| M3 | acrylic microprisma - opal | | | | | | | | | | | |
| P1 | acrylic prisma - clear | | | | | | | | | | | |
| 9 | COLOUR AND FINISH | | | 10 | SPECIAL VERSION | | | | | | | |
| W3 | white sand interior/exterior | | | B | for assembly in concrete housing | | | | | | | |
| S3 | silver sand interior | | | F | for assembly in facade insulation | | | | | | | |
| B3 | black sand interior/exterior | | | KRP | for assembly in lamella ceilings | | | | | | | |
| D3 | anthracite sand dark interior/exterior | | | P | for assembly in sheet metal ceilings | | | | | | | |
| xx | optional RAL colour | | | | | | | | | | | |