

V191

LED spotlights

recessed light fitting with electronic control gear • cardan system, possible rotation about 2 x 30° • construction of steel sheet and aluminium profile • control gear option • colour option • efficient quality aluminium reflectors • suitable also for assembly in concrete housing • 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



SP



MD



FL



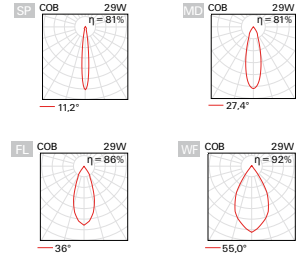
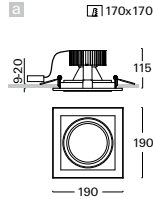
WF



MDG



FLG



| Order code | Pict. | Power | Flux | Tc | Ra | kg |
|-----------------|-------|----------|-------------|--------|------|-----|
| V191sCWI.110/.. | a | 1 x 10 W | 1 x 1400 lm | 3000 K | ≥ 80 | 1,8 |
| V191sCCI.110/.. | a | 1 x 10 W | 1 x 1450 lm | 4000 K | ≥ 80 | 1,8 |
| V191sCDI.110/.. | a | 1 x 10 W | 1 x 1450 lm | 5000 K | ≥ 80 | 1,8 |
| V191sCWI.114/.. | a | 1 x 14 W | 1 x 1950 lm | 3000 K | ≥ 80 | 1,8 |
| V191sCCI.114/.. | a | 1 x 14 W | 1 x 2000 lm | 4000 K | ≥ 80 | 1,8 |
| V191sCDI.114/.. | a | 1 x 14 W | 1 x 2000 lm | 5000 K | ≥ 80 | 1,8 |
| V191sCWI.120/.. | a | 1 x 20 W | 1 x 2600 lm | 3000 K | ≥ 80 | 1,8 |
| V191sCCI.120/.. | a | 1 x 20 W | 1 x 2650 lm | 4000 K | ≥ 80 | 1,8 |
| V191sCDI.120/.. | a | 1 x 20 W | 1 x 2650 lm | 5000 K | ≥ 80 | 1,8 |
| V191sCWI.129/.. | a | 1 x 29 W | 1 x 3500 lm | 3000 K | ≥ 80 | 2,0 |
| V191sCCI.129/.. | a | 1 x 29 W | 1 x 3600 lm | 4000 K | ≥ 80 | 2,0 |
| V191sCDI.129/.. | a | 1 x 29 W | 1 x 3600 lm | 5000 K | ≥ 80 | 2,0 |
| V191sCWI.137/.. | a | 1 x 37 W | 1 x 4200 lm | 3000 K | ≥ 80 | 2,0 |
| V191sCCI.137/.. | a | 1 x 37 W | 1 x 4300 lm | 4000 K | ≥ 80 | 2,0 |
| V191sCDI.137/.. | a | 1 x 37 W | 1 x 4300 lm | 5000 K | ≥ 80 | 2,0 |
| V191sCWI.143/.. | a | 1 x 43 W | 1 x 4900 lm | 3000 K | ≥ 80 | 2,0 |
| V191sCCI.143/.. | a | 1 x 43 W | 1 x 5000 lm | 4000 K | ≥ 80 | 2,0 |
| V191sCDI.143/.. | a | 1 x 43 W | 1 x 5000 lm | 5000 K | ≥ 80 | 2,0 |

Optional types of reflectors

SP / MD / FL / WF / MDG / FLG

Example of order code assembly: reflector with beam angle MD V191sCCI.143/MD.D3

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

D

Example of order code assembly: Ra ≥90 V191sDCI.143/MD.D3

Dimmable version

A / D / T / L / X / C / W

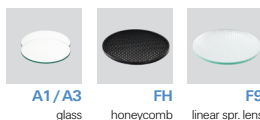
Example of order code assembly: dimmable DALI V191sCCD.143/MD.D3

Emergency version

N / H

Example of order code assembly: emergency operation V191sCCIN.143/MD.D3

Optional types of glasses / filters



Example of order code assembly:

honeycomb filter

V191sCCI.143/MD.FH.D3

Accessories

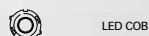


ZPP-02
page 86

KZMP-02
page 86

KALP-02
page 86

KRP
page 86



LED COB

W3

S3

D3

B3

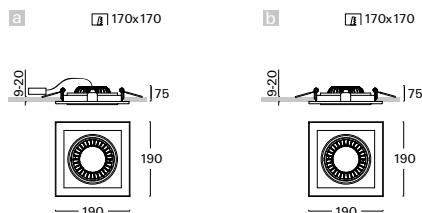


230V-50Hz

V191

LED spotlights

recessed light fitting with electronic control gear • cardan system, possible rotation about 2 x 30° • construction of steel sheet and aluminium profile • control gear option • LED source COIN111 AC or electronic control gear and source COIN111 • colour option • quick installation without tools • rated median operational life-time of luminaire 35 000h L70/B50 at Ta = 25°C • Standard Deviation Colour Matching MacAdam 4-step • suitable also for assembly in concrete ceiling



| Order code | Pict. | Power | Flux | Tc | Ra | kg |
|---------------------------------|-------|----------|---------|--------|------|-----|
| V191sAll.120/.. | a | 1 x 20 W | 1430 lm | 2700 K | ≥ 90 | 1,4 |
| V191sAWI.120/.. | a | 1 x 20 W | 1430 lm | 3000 K | ≥ 90 | 1,4 |
| V191sACI.120/.. | a | 1 x 20 W | 1560 lm | 4000 K | ≥ 90 | 1,4 |
| V191sAll.125/.. | a | 1 x 25 W | 2300 lm | 2700 K | ≥ 80 | 1,4 |
| V191sAWI.125/.. | a | 1 x 25 W | 2300 lm | 3000 K | ≥ 80 | 1,4 |
| V191sACI.125/.. | a | 1 x 25 W | 2500 lm | 4000 K | ≥ 80 | 1,4 |
| V191sAll.137/.. | a | 1 x 37 W | 3300lm | 2700 K | ≥ 80 | 1,4 |
| V191sAWI.137/.. | a | 1 x 37 W | 3300lm | 3000 K | ≥ 80 | 1,4 |
| V191sACI.137/.. | a | 1 x 37 W | 3600 lm | 4000 K | ≥ 80 | 1,4 |
| V191-AW.116/.. | b | 1 x 16 W | 1250 lm | 3000 K | ≥ 80 | 1,0 |
| V191-AC.116/.. | b | 1 x 16 W | 1350 lm | 4000 K | ≥ 80 | 1,0 |
| V191-AW.123/.. | b | 1 x 23 W | 1850 lm | 3000 K | ≥ 80 | 1,0 |
| V191-AC.123/.. | b | 1 x 23 W | 1950 lm | 4000 K | ≥ 80 | 1,0 |



LED COIN 111



LED COIN 111 AC



230V-50Hz

Dimmable version (only for COIN111)

A / D / T / L

Example of order code assembly: [dimmable DALI](#)

[V191sACD.122/24.S3](#)

Optional types of reflectors

24 / 40

Example of order code assembly: [LED source with beam angle 24°](#)

[V191sACI.122/24.S3](#)



Accessories



ZPP-02
page 86



KZMP-02
page 86



KALP-02
page 86



KRP
page 86

V191

Multi-source system

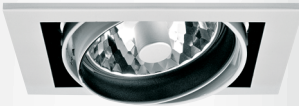
recessed light fitting "BASE" for 1 light source • cardan system, possible rotation about 2 x 30° • construction from steel sheet and aluminium profile • colour option • quick installation without tools • modules of light source "INSERT" and control gears ordered separately



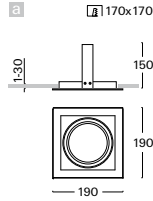
C011



C004



C003



| Order code | Pict. | Source | Output | Socket | kg |
|------------|-------|--------|----------|--------|-----|
| V191 | a | INSERT | 1x | - | 0,6 |

Order example of LEDretrofit AR111 / G53

| | | |
|--------------|---|-------------|
| BASE | 1x BASE - V191, colour version - silver | V191/S3 |
| INSERT | 1x INSERT - C004 for LEDretrofit AR111/G53 | C004-Q3.110 |
| CONTROL GEAR | 1x electronic control gear (transformer according to source output) | BET... |

Order example HIT-TC-CE

| | | |
|--------------|---|---------------------|
| BASE | 1x BASE - V191, colour version - silver | V191/S3 |
| INSERT | 1x INSERT - C011 for HIT-TC-CE 70 W | C011-X1.170/68T1 |
| CONTROL GEAR | 1x electronic metal halide control gear 1x70W | BMHE.170 |
| SOURCE | 1x source HIT-TC-CE (e.g. warm white) 70W | HIT-TC-CE (830) 70W |

HIT-CE / G12

HIT-TC-CE / G8,5

HIPAR 111 / GX8,5

QR-LP111 / G53

LED AR111 / G53

W3

S3

D3

B3



230V-50Hz

PDF

Accessories



ZPP-02
page 86



KZMP-02
page 86



KALP-02
page 86



KRP
page 86

PDF

Insert



C003
page 81



C004
page 81



C008
page 520



C011
page 521

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 | GROUP AFTER ASSEMBLY | | | 2 | PRODUCT CODE | | | 3 | CONFIGURATION OF LIGHT FITTING | | |
|---------------------|---|---|-----------------|-------------------------|---|--|--|-------------------------|---|--|--|
| V | recessed | L | for track | 299 | type marking of fitting | | | s | control gear on cable (part of fitting) | | |
| S | ceiling | Z | pendant | 5 | type marking of insert | | | c | control gear on fitting (part of fitting) | | |
| N | wall | C | part of fitting | etc. | | | | - | without control gear (or it is not part of fitting) | | |
| F | floor lamp | B | luminaire base | | | | | | | | |
| 4 | TYPE OF LIGHT SOURCE (SOCKET) | | | 4a | TYPE OF LED LIGHT SOURCE | | | 4b | SPECTRUM OF LED SOURCE | | |
| D4 | TC-DEL, TC-TEL (G24q, GX24q) | | | S2 | HST-CRI (GX 12) | | | R1 | QT-DE12 150W (R7s L=114,2) | | |
| G0 | T16-R (2GX13) | | | X1 | HIT-CE (G12) | | | R7 | QT-DE12 100W (R7s L=75) | | |
| G1 | TC-L (2G11) | | | X2 | HIE-CE (E27) | | | Q0 | QPAR16 (GU10) | | |
| G2 | TC-F (2G10) | | | X2 | HIPAR20 , HIPAR30 (E27) | | | Q3 | QR-LP111 (G53) | | |
| G3 | TC-S (G23) | | | X3 | Mercury (E27) | | | E1 | LED (E14) | | |
| G5 | CFL-AR111 (GX53) | | | X5 | HIPAR 111 (GX8,5) | | | E2 | A60, A65 (E27) | | |
| G7 | TC-SEL (2G7) | | | X6 | HIT-DE-CE 70W (RX7s L=114,2) | | | E2 | R50, R63, R80 (E27) | | |
| G8 | TC-TEL (2G8) | | | X7 | HIT-DE-CE 150W (RX7s L=132) | | | E2 | QPAR20, 30, 38 (E27) | | |
| S1 | HST-CRI (PG12-1) | | | X8 | HIT-TC-CE (G8,5) | | | E2 | QT32 (E27) | | |
| 5 | TYPE OF CONTROL GEAR | | | 5 | NUMBER AND OUTPUT OF LIGHT SOURCE | | | | | | |
| BASIC CONFIGURATION | | | | EMERGENCY CONFIGURATION | | | | NUMBER AND POWER OF LED | | | |
| E | electronic undimmable | | | N | emergency 1h | | | 109 | 1 x 9 W | | |
| M | electronic MULTIWATT | | | H | emergency 3h | | | 226 | 2 x 26 W | | |
| A | electronic dimmable analog 1-10V | | | F | emergency 1h with autotest | | | 318 | 3 x 18 W | | |
| D | electronic dimmable DALI | | | G | emergency 3h with autotest | | | 170 | 1 x 70 W | | |
| S | electronic dimmable DSI | | | Z | electronic address module | | | 115 | 1 x 150 W, 1 x 15W | | |
| C | electronic dimmable CORRIDOR function | | | P | central battery system | | | 110 | 1 x 100 W, 1 x 10W | | |
| T | electronic dimmable by button 230V | | | J | emergency 2h | | | | | | |
| W | individually dimmable by potentiometer | | | Q | emergency 2h with autotest | | | 062 | 4 x 24 W + 4 x 39 W (252 W) | | |
| L | el. phase dimmable transformer / driver | | | | | | | 252 | 1 x 22 W + 1 x 40 W (62 W) | | |
| R | electronic transformer 230V/12V | | | | | | | | | | |
| I | LED driver (power factor 0,9) | | | | | | | | | | |
| X | Tunable white DALI | | | | | | | | | | |
| 7 | POSSIBILITIES OF CONNECTION | | | 8 | TYPE OF REFLECTOR | | | | | | |
| D | 2-pole terminal plate (12V) | | | HL | smooth | | | FS | facet | | |
| A | 4-pole terminal plate | | | HK | smooth with cross louvre | | | FK | facet with cross louvre | | |
| B | 5-pole terminal plate | | | HT | smooth with radial louvre | | | FT | facet with radial louvre | | |
| C | 3-pole + 2-pole terminal plate | | | HD | smooth divided | | | ML | matt | | |
| H | 3-pole Wieland | | | HA | smooth with asymmetric insert | | | MU | matt wide | | |
| J | 3-pole 5kV Wieland | | | HP | smooth sanded | | | TP | hammered | | |
| K | 3-pole Wieland 2x | | | HU | smooth wide | | | AC | double-asymmetric with shade | | |
| L | 5-pole Wieland | | | HS | smooth striped | | | PR | sanded grooved | | |
| M | 5-pole Wieland 2x | | | HB | smooth black gloss (B1) | | | SD | striped divided | | |
| O | 3-pole Wago | | | HG | smooth gold (G1) | | | SP | spot - beam angle 10-20° | | |
| P | 5-pole Wago | | | HW | smooth white gloss (W1) | | | MD | medium - beam angle 21-34° | | |
| Z | 4-pole + 2-pole terminal plate | | | SB | smooth black sand (B3) | | | FL | flood - beam angle 35-49° | | |
| | | | | SW | smooth white sand (W3) | | | WF | wideflood - beam angle ≥ 50° | | |
| | | | | 1H | smooth one-side emission | | | MDG | medium reflektor - gold | | |
| | | | | 2H | smooth double-side emission | | | | | | |
| 9 | TYPE OF COVER GLASS / FILTER | | | 9 | SPECIAL VERSION | | | | | | |
| T1 | tempered glass - clear | | | P1 | acrylic prisma – clear | | | F6 | green filter | | |
| T2 | tempered glass – raster | | | FU | UV filter | | | F7 | yellow filter | | |
| T3 | tempered glass – opal | | | F1 | food filter for meat and sausages | | | F8 | food filter for fruit and vegetables | | |
| A1 | acrylic glass - clear | | | F2 | food filter for pastry | | | F9 | linear spread lens * | | |
| A2 | acrylic glass - raster | | | F3 | food filter for fish and ice cream | | | FH | honeycomb louvre | | |
| A3 | acrylic glass – opal | | | F4 | blue filter | | | | | | |
| M3 | acrylic microprisma – opal | | | F5 | red filter | | | | | | |
| | | | | | | | | | * for use with spot/medium reflector only | | |
| 10 | COLOUR AND FINISH | | | 11 | SPECIAL VERSION | | | | | | |
| W3 | white structure interior/exterior | | | D3 | antracit structure dark interior/exterior | | | B | adjustment for assembly in concrete housing | | |
| S3 | silver structure interior | | | XX | optional RAL colour | | | | | | |
| B3 | black structure interior | | | | | | | | | | |