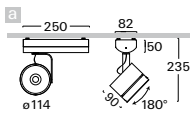
# S316

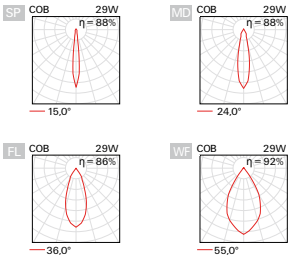
## LED spotlights

light fitting for ceiling and wall assembly ▪ 355° rotatable and 180° tiltable ▪ mounting on both horizontal and vertical tracks ▪ housing from aluminium profile ▪ integrated electronic control gear ▪ colour option ▪ efficient high quality aluminium reflectors ▪ optional protective glass or filter ▪ rated median operational life-time 50 000h L70/B50 at Ta = 25°C ▪ Standard Deviation Colour Matching MacAdam 3 step

FL




if the reflector is pointed upwards it is necessary to add a protective glass




| Order code | Pict. | Power | Flux | Tc | Ra | kg |
|---|---|---|---|---|---|---|
| S316cCWI.108/.. | a | 1 x 8 W | 1140 lm | 3000 K | ≥ 80 | 1,2 |
| S316cCCI.108/.. | a | 1 x 8 W | 1180 lm | 4000 K | ≥ 80 | 1,2 |
| S316cCDI.108/.. | a | 1 x 8 W | 1180 lm | 5000 K | ≥ 80 | 1,2 |
| S316cCWI.110/.. | a | 1 x 10 W | 1400 lm | 3000 K | ≥ 80 | 1,2 |
| S316cCCI.110/.. | a | 1 x 10 W | 1450 lm | 4000 K | ≥ 80 | 1,2 |
| S316cCDI.110/.. | a | 1 x 10 W | 1450 lm | 5000 K | ≥ 80 | 1,2 |
| S316cCWI.114/.. | a | 1 x 14 W | 1950 lm | 3000 K | ≥ 80 | 1,2 |
| S316cCCI.114/.. | a | 1 x 14 W | 2000 lm | 4000 K | ≥ 80 | 1,2 |
| S316cCDI.114/.. | a | 1 x 14 W | 2000 lm | 5000 K | ≥ 80 | 1,2 |
| S316cCWI.120/.. | a | 1 x 20 W | 2600 lm | 3000 K | ≥ 80 | 1,2 |
| S316cCCI.120/.. | a | 1 x 20 W | 2650 lm | 4000 K | ≥ 80 | 1,2 |
| S316cCDI.120/.. | a | 1 x 20 W | 2650 lm | 5000 K | ≥ 80 | 1,2 |
| S316cCWI.129/.. | a | 1 x 29 W | 3500 lm | 3000 K | ≥ 80 | 1,2 |
| S316cCCI.129/.. | a | 1 x 29 W | 3600 lm | 4000 K | ≥ 80 | 1,2 |
| S316cCDI.129/.. | a | 1 x 29 W | 3600 lm | 5000 K | ≥ 80 | 1,2 |
| S316cCWI.137/.. | a | 1 x 37 W | 4200 lm | 3000 K | ≥ 80 | 1,2 |
| S316cCCI.137/.. | a | 1 x 37 W | 4300 lm | 4000 K | ≥ 80 | 1,2 |
| S316cCDI.137/.. | a | 1 x 37 W | 4300 lm | 5000 K | ≥ 80 | 1,2 |
| S316cCWI.143/.. | a | 1 x 43 W | 4900 lm | 3000 K | ≥ 80 | 1,2 |
| S316cCCI.143/.. | a | 1 x 43 W | 5000 lm | 4000 K | ≥ 80 | 1,2 |
| S316cCDI.143/.. | a | 1 x 43 W | 5000 lm | 5000 K | ≥ 80 | 1,2 |

### Optional types of reflectors

**SP / MD / FL / WF / MDG / FLG**

Example of order code assembly: reflector with beam angle MD — S316cCCI.143/**MD**.D3

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

**D**

Example of order code assembly: Ra ≥90 — S316c**D**CI.143/MD.D3

### Dimmable version (* not possible for 8W)

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

Example of order code assembly: dimmable DALI — S316cCC**D**.143/MD.D3

PDF

### Optional types of glass / filters

**A1** acrylic glass | **T1** tempered glass | **FH** honeycomb | **F9** linear spr. lens | **F4, F5, F6, F8** colour filters

Example of order code assembly: honeycomb

S316cCCD.143/MD**FH**.D3

PDF

### Accessories

**KO** snoot | **KL - 01** barn doors

LED COB

W3
S3
**D3**
B3

CE

230V-50Hz

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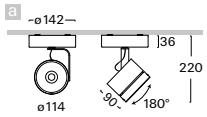


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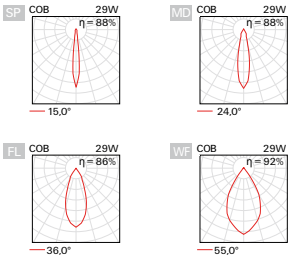


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Example of order code assembly: reflector with beam angle MD — S316rCCI.143/**MD**.D3

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**D**

Example of order code assembly: Ra ≥90 — S316r**D**CI.143/MD.D3

### Dimmable version

**D / T**

Example of order code assembly: dimmable DALI — S316rCC**D**.143/MD.D3

PDF

### Optional types of glass / filters

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Example of order code assembly: honeycomb

S316rCCI.143/MD**FH**.D3

PDF

### Accessories

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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 | | |
|---|---|---|---|
| V | recessed | L | track |
| S | ceiling | Z | pendant |
| N | wall | C | insert of fitting |
| F | floor | | |

| 2 | PRODUCT CODE |
|---|---|
| 299 | type marking of light fitting |
| 014 | type marking of insert |
| etc. | |

| 3 | CONFIGURATION OF LIGHT FITTING |
|---|---|
| s | control gear on cable (part of l. fitting) |
| c | control gear in luminaire (part of l. fitting) |
| a | control gear in adapter (part of l. fitting) |
| r | control gear in rosette (part of l. 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 |
|---|---|
| A | LED COIN 111 COB, COIN 111 AC Ra >80 |
| B | LED COIN 111 COB Ra >90 |
| F | LED COIN 50 COB Ra >80 |
| G | LED COIN 50 COB Ra >90 |
| N | LED COIN 35 COB Ra >80 |
| P | LED COIN 35 COB Ra >90 |
| L | LED panel Ra >80 |
| M | LED panel Ra >90 |
| C | LED COB Ra >80 |
| D | LED COB Ra >90 |
| H | LED COB Ra >97 |

| 4b | CHROMATICITY OF LED SOURCE |
|---|---|
| I | warm white "interna" (2700 K) |
| W | warm white (3000 K) |
| B | white (3500 K) |
| C | cool white (4000 K) |
| D | daylight white (5000 K) |
| S | cool daylight (6500 K) |
| K | tunable white - commercial (2700 K-6500 K) |
| T | dim to warm (dimming to warm chroma.) |

| 4b | SPECTRUM OF LED SOURCE |
|---|---|
| R | spectrum for meat and sausages |
| Y | spectrum for pastry, delicatessen and cheese |
| F | spectrum for fish |
| Z | spectrum for fruits and vegetables |
| A | spectrum for art (Ra>97) |
| V | spectrum for clothing, fashion |
| P | spectrum for plant growth |

| 5 | TYPE OF CONTROL GEAR |
|---|---|
| | BASIC CONFIGURATION |
| I | non-dimmable constant current driver |
| U | non-dimmable constant voltage driver |
| A | dimmable analog 1-10V |
| D | dimmable DALI |
| S | dimmable DSI |
| C | dimmable with CORRIDOR function |
| T | dimmable using button 230V |
| W | dimmable using push-button on luminaire |
| L | phase dimmable |
| X | dimmable Tunable white DALI |
| B | dimmable Casambi (Bluetooth) |

| | EMERGENCY CONFIGURATION |
|---|---|
| N | emergency 1h |
| H | emergency 3h |
| F | emergency 1h with autotest |
| G | emergency 3h with autotest |
| Z | electronic address module |
| P | central battery system |

| 6 | NUMBER AND OUTPUT OF LIGHT SOURCE |
|---|---|
| | NUMBER OF SOURCES, POWER OF FITTING |
| 108 | 1 x 8 W |
| 114 | 1 x 14 W |
| 229 | 2 x 29 W |
| 337 | 3 x 37 W |
| 443 | 4 x 43 W |

| 7 | TYPE OF REFLECTOR |
|---|---|
| SP | spot - beam angle 10-20° |
| MD | medium - beam angle 21-34° |
| FL | flood - beam angle 35-49° |
| WF | wideflood - beam angle ≥ 50° |

| | |
|---|---|
| MDG | medium - beam angle 21-34° (gold) |
| FLG | flood - beam angle 35-49° (gold) |
| HU | smooth UGR < 19 |
| MU | matt UGR < 19 |

| | TYPE OF DIFFUSER |
|---|---|
| HD | smooth divided |
| HG | powder coated gold (G1) |
| SB | powder coated black sand (B3) |
| SW | powder coated white sand (W3) |
| xx | optional RAL colour |

| 8 | TYPE OF COVER GLASS / FILTER |
|---|---|
| T1 | tempered glass - clear |
| T3 | tempered glass – opal |
| A1 | acrylic glass - clear |
| A3 | acrylic glass - opal |
| M1 | acrylic microprisma - clear |
| M3 | acrylic microprisma - opal |

| | |
|---|---|
| F4 | blue filter |
| F5 | red filter |
| F6 | green filter |
| F8 | orange filter |
| FH | honeycomb louvre |
| F9 | linear spread lens* |
| | * for use with SP/MD reflector only |

| | COLOUR OF COIN COB COVER RING |
|---|---|
| B | black |
| W | white |

| 9 | COLOUR AND FINISH |
|---|---|
| W3 | white sand interior/exterior |
| S3 | silver sand interior |
| B3 | black sand interior/exterior |
| D3 | anthracite sand dark interior/exterior |
| S9 | silver sand interior/exterior |
| xx | optional RAL colour |

| 10 | SPECIAL VERSION |
|---|---|
| B | for assembly in concrete housing |
| F | for assembly in facade insulation |
| KRP | for assembly in lamella ceilings |
| P | for assembly in sheet metal ceilings |