

# V193

## LED spotlights

recessed round light fitting with electronic control gear • tilttable in all directions up to 30° • construction of steel sheet and aluminium profile • control gear option • colour option • efficient high quality aluminium reflector • quick installation without tools • 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



SP



MD



FL



WF



MDG



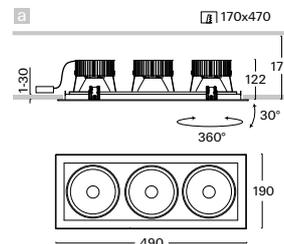
FLG



LED COB



230V-50Hz



Order code	Pict.	Power	Flux	Tc	Ra	kg
V193sCWI.308/..	a	3 x 8 W	3 x 1140 lm	3000 K	≥ 80	2,6
V193sCCI.308/..	a	3 x 8 W	3 x 1180 lm	4000 K	≥ 80	2,6
V193sCDI.308/..	a	3 x 8 W	3 x 1180 lm	5000 K	≥ 80	2,6
V193sCWI.310/..	a	3 x 10 W	3 x 1400 lm	3000 K	≥ 80	2,6
V193sCCI.310/..	a	3 x 10 W	3 x 1450 lm	4000 K	≥ 80	2,6
V193sCDI.310/..	a	3 x 10 W	3 x 1450 lm	5000 K	≥ 80	2,6
V193sCWI.314/..	a	3 x 14 W	3 x 1950 lm	3000 K	≥ 80	2,6
V193sCCI.314/..	a	3 x 14 W	3 x 2000 lm	4000 K	≥ 80	2,6
V193sCDI.314/..	a	3 x 14 W	3 x 2000 lm	5000 K	≥ 80	2,6
V193sCWI.320/..	a	3 x 20 W	3 x 2600 lm	3000 K	≥ 80	2,6
V193sCCI.320/..	a	3 x 20 W	3 x 2650 lm	4000 K	≥ 80	2,6
V193sCDI.320/..	a	3 x 20 W	3 x 2650 lm	5000 K	≥ 80	2,6
V193sCWI.329/..	a	3 x 29 W	3 x 3500 lm	3000 K	≥ 80	3,1
V193sCCI.329/..	a	3 x 29 W	3 x 3600 lm	4000 K	≥ 80	3,1
V193sCDI.329/..	a	3 x 29 W	3 x 3600 lm	5000 K	≥ 80	3,1
V193sCWI.337/..	a	3 x 37 W	3 x 4200 lm	3000 K	≥ 80	3,1
V193sCCI.337/..	a	3 x 37 W	3 x 4300 lm	4000 K	≥ 80	3,1
V193sCDI.337/..	a	3 x 37 W	3 x 4300 lm	5000 K	≥ 80	3,1
V193sCWI.343/..	a	3 x 43 W	3 x 4900 lm	3000 K	≥ 80	3,1
V193sCCI.343/..	a	3 x 43 W	3 x 5000 lm	4000 K	≥ 80	3,1
V193sCDI.343/..	a	3 x 43 W	3 x 5000 lm	5000 K	≥ 80	3,1

### Optional types of reflectors

SP / MD / FL / WF / MDG / FLG

Example of order code assembly: reflector with beam angle MD [V193sCCI.343/MD.D3](#)

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

D

Example of order code assembly: Ra ≥90 [V193sDCI.343/MD.D3](#)

### Special chromaticity / spectrum of LED source

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

Example of order code assembly: spectrum for meat and sausages [V193sCRI.143/MD.D3](#)

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

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

Example of order code assembly: dimmable DALI [V193sCCD.343/MD.D3](#)

### Emergency version

N / H

Example of order code assembly: emergency operation [V193sCCIN.343/MD.D3](#)



### Optional types of glass / filter



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

### Accessories



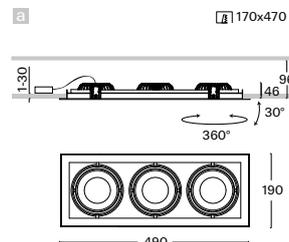
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# V193 LED spotlights

recessed round light fittings • tilttable in all directions up to 30° • construction from steel sheet and aluminium profile • electronic control gear and source COIN 111 COB • control gear option • colour option • optional colour of COIN 111 COB cover ring black or white • rated median operational life-time of luminaire 50 000h L70/B50 at Ta = 25°C • Standard Deviation Colour Matching MacAdam 2-step • quick installation without tools • suitable also for assembly in concrete housing



LED COIN 111 COB B



Order code	Angle	Pict.	Power	Flux	Tc	Ra	kg
V193sBII.308/..	15/24/40/60	a	3 x 8 W	3 x 748 lm	2700 K	≥ 90	1,8
V193sAWI.308/..	15/24/40/60	a	3 x 8 W	3 x 952 lm	3000 K	≥ 80	1,8
V193sACI.308/..	15/24/40/60	a	3 x 8 W	3 x 986 lm	4000 K	≥ 80	1,8
V193sBII.310/..	15/24/40/60	a	3 x 10 W	3 x 902 lm	2700 K	≥ 90	1,8
V193sAWI.310/..	15/24/40/60	a	3 x 10 W	3 x 1148 lm	3000 K	≥ 80	1,8
V193sACI.310/..	15/24/40/60	a	3 x 10 W	3 x 1189 lm	4000 K	≥ 80	1,8
V193sBII.314/..	15/24/40/60	a	3 x 14 W	3 x 1232 lm	2700 K	≥ 90	1,8
V193sAWI.314/..	15/24/40/60	a	3 x 14 W	3 x 1568 lm	3000 K	≥ 80	1,8
V193sACI.314/..	15/24/40/60	a	3 x 14 W	3 x 1624 lm	4000 K	≥ 80	1,8
V193sBII.320/..	15/24/40/60	a	3 x 20 W	3 x 1672 lm	2700 K	≥ 90	1,8
V193sAWI.320/..	15/24/40/60	a	3 x 20 W	3 x 2128 lm	3000 K	≥ 80	1,8
V193sACI.320/..	15/24/40/60	a	3 x 20 W	3 x 2204 lm	4000 K	≥ 80	1,8
V193sBII.328/..	15/24/40/60	a	3 x 28 W	3 x 2380 lm	2700 K	≥ 90	1,8
V193sAWI.328/..	15/24/40/60	a	3 x 28 W	3 x 2905 lm	3000 K	≥ 80	1,8
V193sACI.328/..	15/24/40/60	a	3 x 28 W	3 x 3045 lm	4000 K	≥ 80	1,8
V193sBII.336/..	24/40/60	a	3 x 36 W	3 x 2992 lm	2700 K	≥ 90	1,8
V193sAWI.336/..	24/40/60	a	3 x 36 W	3 x 3652 lm	3000 K	≥ 80	1,8
V193sACI.336/..	24/40/60	a	3 x 36 W	3 x 3828 lm	4000 K	≥ 80	1,8
V193sBII.342/..	24/40/60	a	3 x 42 W	3 x 3400 lm	2700 K	≥ 90	1,8
V193sAWI.342/..	24/40/60	a	3 x 42 W	3 x 4150 lm	3000 K	≥ 80	1,8
V193sACI.342/..	24/40/60	a	3 x 42 W	3 x 4350 lm	4000 K	≥ 80	1,8

The shown value of luminous flux is useful luminous flux in solid angle 90°. The value depends on the beam angle of the light source.

## Higher colour rendering index (CRI) 2700K only for Ra90

B

Example of order code assembly: Ra ≥90

V193sBCI.328/24B.D3

## Dimmable version (\* not available for 8W)

A\* / B / D / T / L\*

Example of order code assembly: dimmable DALI

V193sACD.328/24B.D3

## Optional beam angle

15 / 24 / 40 / 60

Example of order code assembly: LED source with beam angle 24°

V193sACI.328/24B.D3

## Optional colour of COIN 111 COB covering ring

B / W

Example of order code assembly: black ring COIN 111 COB

V193sACI.328/24B.D3



LED COIN 111 COB

- W3
- S3
- D3
- B3



230V-50Hz



## Accessories



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# 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 l. fitting)				
S	ceiling	Z	pendant	014	type marking of insert		c	control gear in luminaire (part of l. fitting)				
N	wall	C	insert of fitting	etc.			a	control gear in adapter (part of l. fitting)				
F	floor						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			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											
H	LED COB Ra >97											
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				
T	dimmable DALI + touch-dim			Z	electronic address module		443	4 x 43 W				
C	dimmable with CORRIDOR function			P	central battery system							
S	dimmable DSI											
W	dimmable using push-button on luminaire											
L	phase dimmable											
X	dimmable Tunable white DALI											
B	dimmable Casambi (Bluetooth)											
7	TYPE OF REFLECTOR / OPTICS							TYPE OF DIFFUSER				
SP	spot - beam angle 10-20°			XW3	extra wide flood - 3x optics		HD	smooth divided				
MD	medium - beam angle 21-34°			XW2	extra wide flood - 2x optics		HG	powder coated gold (G1)				
FL	flood - beam angle 35-49°			MDG	medium - beam angle 21-34° (gold)		SB	powder coated black sand (B3)				
WF	wide flood - beam angle ≥ 50°			FLG	flood - beam angle 35-49° (gold)		SW	powder coated white sand (W3)				
XW	extra wide flood - beam angle ≥ 70°			HU	smooth UGR < 19		xx	optional RAL colour				
				MU	matt UGR < 19							
	TYPE OF EMERGENCY OPTICS											
OS	Open space			CR	Corridor							
	COLOUR OF OPTICAL SYSTEM				COLOUR OF COIN COB COVER RING		8	TYPE OF COVER GLASS				
B	black - matt			B	black		T1	tempered glass - clear				
W	white - matt			W	white		A1	acrylic glass - clear				
							A3	acrylic glass - opal				
							M1	acrylic microprisma - clear				
							M3	acrylic microprisma - opal				
9	TYPE OF COVER FILTER			9	COLOUR AND FINISH		10	SPECIAL VERSION				
F4	blue filter			W3	white sand interior/exterior		B	for assembly in concrete housing				
F5	red filter			S3	silver sand interior		F	for assembly in facade insulation				
F6	green filter			B3	black sand interior/exterior		KRP	for assembly in lamella ceilings				
F8	orange filter			D3	anthracite sand dark interior/exterior		P	for assembly in sheet metal ceilings				
FH	honeycomb louvre			S9	silver sand interior/exterior							
F9	linear spread lens*			xx	optional RAL colour							
	* for use with SP/MD reflector only											