

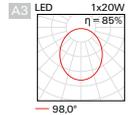
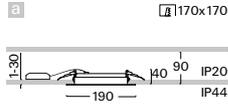
# V189

## LED downlights

recessed square luminaire with control gear • control gear option • steel frame with opal cover from PMMA or microprisma • rated median operational life-time of luminaire 50 000h L70/B50 at Ta = 25°C • Standard Deviation Colour Matching MacAdam 3-step • colour option • quick installation without tools



A3



Order code	Pict.	Power	Flux	Tc	Ra	kg
<a href="#">V189sLWI.107/..</a>	a	1 x 7 W	900 lm	3000 K	≥ 80	0,6
<a href="#">V189sLCI.107/..</a>	a	1 x 7 W	940 lm	4000 K	≥ 80	0,6
<a href="#">V189sLDI.107/..</a>	a	1 x 7 W	960 lm	5000 K	≥ 80	0,6
<a href="#">V189sLWI.110/..</a>	a	1 x 10 W	1240 lm	3000 K	≥ 80	0,6
<a href="#">V189sLCI.110/..</a>	a	1 x 10 W	1310 lm	4000 K	≥ 80	0,6
<a href="#">V189sLDI.110/..</a>	a	1 x 10 W	1340 lm	5000 K	≥ 80	0,6
<a href="#">V189sLWI.114/..</a>	a	1 x 14 W	1700 lm	3000 K	≥ 80	0,6
<a href="#">V189sLCI.114/..</a>	a	1 x 14 W	1790 lm	4000 K	≥ 80	0,6
<a href="#">V189sLDI.114/..</a>	a	1 x 14 W	1840 lm	5000 K	≥ 80	0,6
<a href="#">V189sLWI.120/..</a>	a	1 x 20 W	2360 lm	3000 K	≥ 80	0,6
<a href="#">V189sLCI.120/..</a>	a	1 x 20 W	2480 lm	4000 K	≥ 80	0,6
<a href="#">V189sLDI.120/..</a>	a	1 x 20 W	2550 lm	5000 K	≥ 80	0,6

### Higher colour rendering index - CRI

M

Example of order code assembly: Ra ≥90

[V189sMDI.120/A3.D3](#)

### Dimmable version

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

Example of order code assembly: dimmable DALI

[V189sLWD.120/A3.D3](#)

### Emergency version

N / H / F / G

Example of order code assembly: emergency operation

[V189sLWIN.120/A3.D3](#)



LED plate

- W3
- S3
- D3
- B3



### Optional types of acrylic glass



A3

acrylic

M3

microprisma

Example of order code assembly:

[acrylic glass - opal](#)

[V189sCCI.120/A3.D3](#)



### Accessories



ZPP-02  
page 126

KZMP-02  
page 126

KALP-02  
page 126

KRP  
page 126



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												
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	dimmmable analog 1-10V			F	emergency 1h with autotest		229	2 x 29 W					
D	dimmmable DALI			G	emergency 3h with autotest		337	3 x 37 W					
S	dimmmable DSI			Z	electronic address module		443	4 x 43 W					
C	dimmmable with CORRIDOR function			P	central battery system								
T	dimmmable using button 230V												
W	dimmmable using push-button on luminaire												
L	phase dimmmable												
X	dimmmable Tunable white DALI												
B	dimmmable Casambi (Bluetooth)												
7	TYPE OF REFLECTOR							TYPE OF DIFFUSER					
SP	spot - beam angle 10-20°			MDG	medium - beam angle 21-34° (gold)		HD	smooth divided					
MD	medium - beam angle 21-34°			FLG	flood - beam angle 35-49° (gold)		HG	powder coated gold (G1)					
FL	flood - beam angle 35-49°			HU	smooth UGR < 19		SB	powder coated black sand (B3)					
WF	wideflood - beam angle ≥ 50°			MU	matt UGR < 19		SW	powder coated white sand (W3)					
							xx	optional RAL colour					
8	TYPE OF COVER GLASS / FILTER							COLOUR OF COIN COB COVER RING					
T1	tempered glass - clear			F4	blue filter		B	black					
T3	tempered glass - opal			F5	red filter		W	white					
A1	acrylic glass - clear			F6	green filter								
A3	acrylic glass - opal			F8	orange filter								
M1	acrylic micropisma - clear			FH	honeycomb louvre								
M3	acrylic micropisma - opal			F9	linear spread lens*								
					* for use with SP/MD reflector only								
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								
S9	silver sand interior/exterior												
xx	optional RAL colour												