



Project / Type

Notes

Count / Date



Luminaire housing made of extruded aluminium profile; angular design; no visible screws; for lighting systems; surface anodised aluminium; suitable for wall mounting; equipped with two light insets made of aluminium; surface white powder coated; direct/indirect illumination characteristic; lighting modules with specially computed, asymmetrical high gloss reflectors, linear prismatic covers incl. foil; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; with 4 plug-in terminals for through wiring; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;



General

Wall | Surface

anodised aluminium

white

IP20

indirect 7210 lm | direct 7210 lm

total 14420 lm

LED

3000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 91 | R<sub>(1-15)</sub>: 89

MR 0.61 | MDER 0.55

Optical

Linear Prismatic | asymmetric

PstLM  $\leq 1.0$ <sup>1</sup> | SVM  $\leq 0.4$ <sup>1</sup>

Electrical

DALI-2 | 2 DALI Addr.

PC1 | 220-240 V

system 123 W

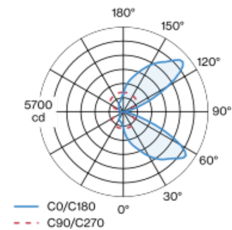
system 117 lm/W<sup>2</sup>

Physical

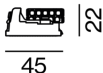
length 1007 mm | width 130 mm | height 25 mm

3.6 kg

Light distribution



Product drawing



<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions



# VITA direct/indirect module

wall system

099-9912616 099-9316037A 099-9326037A



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.97	0.94	0.91	0.87	0.84
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup>		Room Surface Maintenance Factor
MF	Maintenance Factor		LLMF		Lamp Lumens Maintenance Factor
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF		Lamp Survival Factor

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	6
B13	8
B16	10
B20	12
C10	10
C13	13
C16	17
C20	20

## Components

### VITA direct light inset

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
white	1006-45-22	099-9316037A



### VITA indirect light inset

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
white	1006-45-22	099-9326037A



## Mounting accessories

### INDIRECT MODULE

TYPE	COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
	anodised aluminium	1007-75-25	099-9911616
	anodised aluminium	1207-75-25	099-9911716
custom cut on building site	anodised aluminium	3621-75-25	099-9911816
custom cut	anodised aluminium		E87210...6



### DIRECT / INDIRECT MODULE

TYPE	COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
custom cut	anodised aluminium		E87220...6
	anodised aluminium	1007-130-25	099-9912616
	anodised aluminium	1207-130-25	099-9912716
custom cut on building site	anodised aluminium	3621-130-25	099-9912816



[099-9912616 099-9316037A 099-9326037A] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.

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## Mounting accessories

### STANDARD RAIL

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
	anodised aluminium	1007-130-29	099-9951616
	anodised aluminium	1207-130-29	099-9951716
	anodised aluminium	3621-130-29	099-9951816
custom cut	anodised aluminium		E87280....6



### MOUNTING CHANNEL

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
	anodised aluminium	1210-120-43	099-9921716
	anodised aluminium	3630-120-43	099-9921816
	anodised aluminium	1010-120-43	099-9921616
custom cut	anodised aluminium		E87240....6



## Mounting accessories

### END CAP

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
left for indirect module	anodised aluminium	75-25-3	099-9911016
right for indirect module	anodised aluminium	75-25-3	099-9911116
left for direct / indirect module	anodised aluminium	130-25-3	099-9912016
right for direct / indirect module	anodised aluminium	130-25-3	099-9912116
left for standard rail	anodised aluminium		099-9951016
right for standard rail	anodised aluminium		099-9951116



### END CAPS

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
1 pair   for mounting channel 50 mm	anodised aluminium	120-50-3	099-9931016
1 pair   for mounting channel 55 mm	anodised aluminium	120-50-3	099-9932016
1 pair   for mounting channel 75 mm	anodised aluminium	120-50-3	099-9933016



## Mounting accessories

### LINEAR CONNECTOR SET

TYPE	COLOUR	ARTICLE NUMBER(S)
for mounting channel	anodised aluminium	099-9941116
for direct / indirect module	anodised aluminium	099-9942116
for indirect module	anodised aluminium	099-9943116
for D/I module to I channel L	anodised aluminium	099-9944116
for D/I module to I channel R	anodised aluminium	099-9945116



## Electrical accessories

### THROUGH WIRE

TYPE	ARTICLE NUMBER(S)
4×1,5mm² + 1×2,5mm²   10 pieces	099-9940110



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## Electrical accessories

### DALI MODULE

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
for control of 4 scenes / 2 groups	48-28-15	002-54026



## Electrical accessories

### MASTER UNIT

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
single patient room	85-48-160	099-2291137
double patient room	85-48-160	099-2291237



### INSTALLATION HOUSING

L-W-H (MM)	ARTICLE NUMBER(S)
71-75-135	099-2290000



### SAFETY FRAME FOR MASTER UNIT

L-W-H (MM)	ARTICLE NUMBER(S)
108-15-182	099-2298007



## Electrical accessories

### DALI LIGHT SENSOR

TYPE	Ø (MM)	ARTICLE NUMBER(S)
recessed ceiling mounted	86	002-54051
surface mounted	86	002-54058
socket mounted	103	002-54053



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## Optical accessories

### BLIND COVER

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
	anodised aluminium	1006-45-22	099-9913616
	anodised aluminium	1206-45-22	099-9913716
custom cut on building site	anodised aluminium	3620-45-22	099-9913816
custom cut	anodised aluminium		E87230....6



### COVER SMALL

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
	anodised aluminium	1009-120-50	099-9931616
	anodised aluminium	1209-120-50	099-9931716
	anodised aluminium	3629-120-50	099-9931816
custom cut	anodised aluminium		E87250....6



### COVER MEDIUM

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
	anodised aluminium	1009-120-55	099-9932616
	anodised aluminium	1209-120-55	099-9932716
	anodised aluminium	3629-120-55	099-9932816
custom cut	anodised aluminium		E87260....6



### COVER BIG

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
	anodised aluminium	1009-120-75	099-9933616
	anodised aluminium	1209-120-75	099-9933716
	anodised aluminium	3629-120-75	099-9933816
custom cut	anodised aluminium		E87270....6



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