



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



**General**

Wall , Surface \_\_\_\_\_

white , RAL9010 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

7240 lm \_\_\_\_\_

**LED**

3000 K \_\_\_\_\_

CRI ≥ 90 \_\_\_\_\_

L80 / 50000 h \_\_\_\_\_

photobio. safety RG 0 - no Risk \_\_\_\_\_

initial MacAdam ≤ 3 SDCM \_\_\_\_\_

R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>t(1-15)</sub>: 89 \_\_\_\_\_

MR 0.61 \_\_\_\_\_

MDER 0.55 \_\_\_\_\_

**Optical**

Linear Prismatic \_\_\_\_\_

PstLM ≤ 1.0 <sup>2</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>2</sup> \_\_\_\_\_

**Electrical**

DALI-2 \_\_\_\_\_

65 W \_\_\_\_\_

PC1 220-240V \_\_\_\_\_

111 lm/W \_\_\_\_\_

1 DALI Addr. \_\_\_\_\_

**Physical**

length 1006 mm \_\_\_\_\_

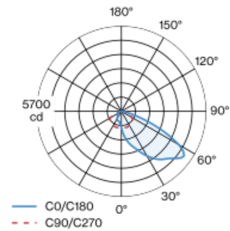
width 45 mm \_\_\_\_\_

height 22 mm \_\_\_\_\_

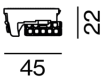
1.7 kg \_\_\_\_\_

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

Light distribution



Product drawing



Installation instructions





## 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 Faktor		

<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	12
B13	16
B16	20
B20	25
C10	20
C13	27
C16	34
C20	41

## 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



## 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





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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)
4×1,5mm <sup>2</sup> + 1×2,5mm <sup>2</sup>   10 pieces	099-9940110

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



## 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

