

# RECOVER DALI 1350

099-2210D37



Project / Type

Notes

Count / Date



### General

Wall | Surface

white | RAL 9010<sup>1</sup>

IP40

total 559<sup>2</sup>, 1480<sup>3</sup>, 6700<sup>4</sup> lm

559<sup>2</sup>, 1480<sup>3</sup>, 6700<sup>4</sup> lm

indirect 6700 lm | direct 559<sup>2</sup>, 1480<sup>3</sup>, 2<sup>4</sup> lm

### LED

3000 K<sup>2</sup>, 3000 K<sup>3</sup>, tunable white<sup>4</sup> | 2700 K - 6500 K

CRI ≥ 97<sup>2</sup>, 97<sup>3</sup>, 70<sup>4</sup>

L80 / 50000 h<sup>2</sup>, L80 / 50000 h<sup>3</sup>, L95 / 50000 h<sup>4</sup>

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 102 | R<sub>f</sub>: 96 | R<sub>f(1-15)</sub>: 96

MR 0.63<sup>2</sup>, 0.63<sup>3</sup>, 0.92<sup>4</sup> | MDER 0.57<sup>2</sup>, 0.57<sup>3</sup>, 0.83<sup>4</sup>

### Electrical

non DIM<sup>2</sup>, non DIM<sup>3</sup>, DALI-2<sup>4</sup>

PC1 | 220-240 V

system 9.4<sup>2</sup>, 23.5<sup>3</sup>, 60<sup>4</sup> W

system 59<sup>2</sup>, 63<sup>3</sup>, 112<sup>4</sup> lm/W<sup>5</sup>

### Physical

length 1350 mm | width 223 mm | height 80 mm

12 kg

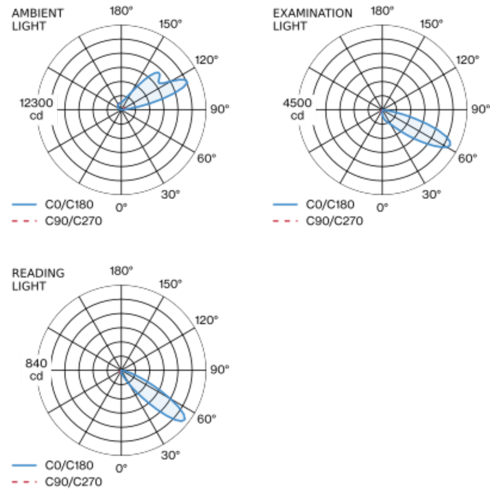
LED wall mounted light for standard nursing area; IP 40 protection; 1 pc per bed; mounting height of upper edge of luminaire: 180cm; rectangular luminaire profile with direct / indirect light distribution, surface white powder coated; end cap in same colour; direct and indirect light exit with clear toughened glass cover; cable inlet on the wall side for 220-240V power supply, for the examination light circuit and the reading light and 2 DALI control lines; power feed from the rear (wall mounting profile preassembled); Luminaire offers 3 kinds of lighting; 1) Reading light 3000K; flush mounted, equipped with lens technology to avoid glare to neighbouring bed; reading light switchable by means of a connection to a potential-free contact (e.g., via a patient terminal provided by the customer); 2) Examination light 3000K; switchable by means of a connection to a button; 3) Indirect, tuneable white room lighting; 2700K – 6500K; controllable via DALI Control; maximum power consumption 91W at 6500K; luminous flux 6700lm at 6500K; L80 min. 80% of luminous flux after 50000 operating hours; reading and examination light: colour temperature 3000K; colour rendering CRI > 90, CRI typically 95; colour point binning: directly on the BBL, colour homogeneity: initial <3-Step SDCM scale, colour point stability: final after 10000 hrs <4-Step SDCM scale; PC I; complies with the following provisions: EN (IEC) 60598-1 and the supplement EN (IEC) 60598-2-25; dimensions of housing W 1350mm, visible H 47mm, wall profile H 80mm, D 223mm; Manufacturer XAL, type RECOVER dali 1350; necessary accessories per room: DALI POWER SUPPLY and DALI control

<sup>1</sup> RAL code<sup>2</sup> READING LIGHT<sup>3</sup> EXAMINATION LIGHT

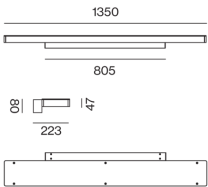
<sup>4</sup> AMBIENT LIGHT

<sup>5</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

### Light distribution



### Product drawing



[\*099-2210D37\*] 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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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.93	0.89	0.85	0.81
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	50
B13	65
B16	80
B20	100
C10	50
C13	65
C16	80
C20	100

## Mounting accessories

### INSTALLATION HOUSING

L-W-H (MM)  
71-75-135

ARTICLE NUMBER(S)  
099-2290000



## Electrical accessories

### DALI POWER SUPPLY

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
for top-hat-rail mounting 240 mA	90-36-58	002-59871
for ceiling insertion 200 mA	102-51-30	002-59880



### 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
three patient room	85-48-160	099-2291337
four patient room	85-48-160	099-2291437
five patient room	85-48-160	099-2291537
six patient room	85-48-160	099-2291637



## 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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## Other accessories

### SAFETY FRAME FOR MASTER UNIT

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

