

# RECOVER DALI1350

099-2210D37



Project / Type
Notes
Count / Date



220-240V
IP 40
X-PERT

## General

Wall , Surface
white , RAL9010 <sup>1</sup>
IP40
direct 296 <sup>2</sup> , 559 <sup>3</sup> , 2 <sup>4</sup> lm
total 296 <sup>2</sup> , 559 <sup>3</sup> , 6700 <sup>4</sup> lm
296 <sup>2</sup> , 559 <sup>3</sup> , 6700 <sup>4</sup> lm
indirect 6700 lm

## LED

3000 K <sup>2</sup> , 3000 K <sup>3</sup> , tunable white <sup>4</sup>
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> : 92 , R <sub>r</sub> : 86 , R <sub>f(1-5)</sub> : 94
MR 0.53 <sup>2</sup> , 0.53 <sup>3</sup> , 0.92 <sup>4</sup>
MDER 0.48 <sup>2</sup> , 0.48 <sup>3</sup> , 0.83 <sup>4</sup>
2700 K - 6500 K

## Optical

PstLM ≤ 1.0 <sup>5</sup>
SVM ≤ 0.4 <sup>5</sup>

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

## Electrical

non DIM <sup>2</sup> , non DIM <sup>3</sup> , DALI-2 <sup>4</sup>
system 4.7 <sup>2</sup> , 9.4 <sup>3</sup> , 60 <sup>4</sup> W
PC1 220-240V
system 63 <sup>2</sup> , 59 <sup>3</sup> , 112 <sup>4</sup> lm/W <sup>6</sup>

## Physical

length 1350 mm
width 223 mm
height 80 mm
12 kg

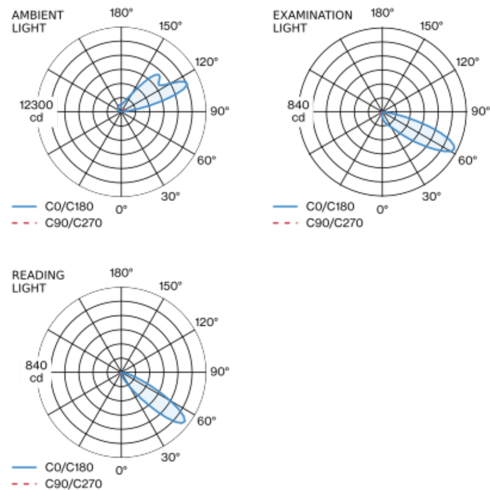
<sup>1</sup> RAL code <sup>2</sup> EXAMINATION LIGHT <sup>3</sup> READING LIGHT

<sup>4</sup> AMBIENT LIGHT

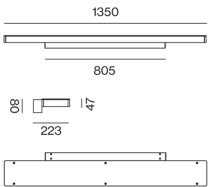
<sup>5</sup> Value of containing product at full load (undimmed)

<sup>6</sup> incl. optical losses and the efficiency of the operating device (converter)

## Light distribution



## Product drawing



## Installation instructions



[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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03.12.2024

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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 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	14
B13	18
B16	25
B20	28
C10	23
C13	30
C16	38
C20	46

## Mounting accessories

### INSTALLATION HOUSING

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

