

RECOVER DALI1350

099-2210D37



Project / Type
Notes
Count / Date



General

Wall , Surface
white , RAL 9010 ¹
IP40
indirect 6700 lm
direct 559 ² , 1480 ³ , 2 ⁴ lm
total 559 ² , 1480 ³ , 6700 ⁴ lm
559 ² , 1480 ³ , 6700 ⁴ lm

LED

3000 K ² , 3000 K ³ , tunable white ⁴
2700 K - 6500 K
CRI ≥ 97 ² , 97 ³ , 70 ⁴
L80 / 50000 h ² , L80 / 50000 h ³ , L95 / 50000 h ⁴
initial MacAdam ≤ 3 SDCM
MR 0.53 ² , 0.53 ³ , 0.92 ⁴
MDER 0.48 ² , 0.48 ³ , 0.83 ⁴
R _g : 92 , R _r : 86 , R _{t(1-15)} : 94

Optical

PstLM ≤ 1.0 ⁴ 3 5
SVM ≤ 0.4 ⁴ 3 5

Electrical

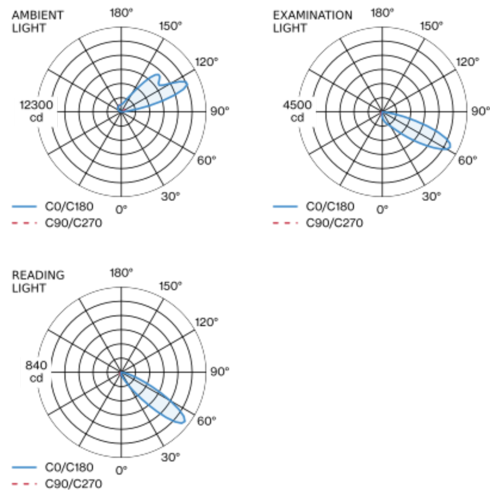
non DIM ² , non DIM ³ , DALI-2 ⁴
220-240 V
system 9.4 ² , 23.5 ³ , 60 ⁴ W
system 59 ² , 63 ³ , 112 ⁴ lm/W ⁶
PC1

Physical

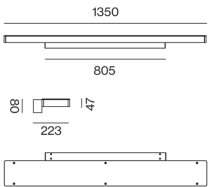
length 1350 mm
width 223 mm
height 80 mm
12 kg

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

Light distribution



Product drawing



¹ RAL code ² READING LIGHT ³ EXAMINATION LIGHT
⁴ AMBIENT LIGHT
⁵ Value of containing product at full load (undimmed)
⁶ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Installation instructions



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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 ^a Room Surface Maintenance Factor		
MF	Maintenance Factor		LLMF Lamp Lumens Maintenance Factor		
LMF ^a	Luminaire Maintenance Factor		LSF Lamp Survival Faktor		

^a 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



[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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Other accessories

SAFETY FRAME FOR MASTER UNIT

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

