

RECOVER BASIC 1650

099-2211517



Project / Type _____

Notes _____

Count / Date _____



CE IP 40 220-240V X-PERT

General

Wall , Surface
white , RAL9010 ¹
IP40
direct 296², 559³, 2⁴ lm
total 296², 559³, 8170⁴ lm
296², 559³, 8170⁴ lm
indirect 8170 lm

LED

3000 K
CRI ≥ 97
L80 / 50000 h
initial MacAdam ≤ 3 SDCM
R_g: 92 , R_r: 86 , R_{t(1-5)}: 94
MR 0.53
MDER 0.48

Optical

SVM ≤ 0.4 ⁵
PstLM ≤ 1.0 ⁵

Electrical

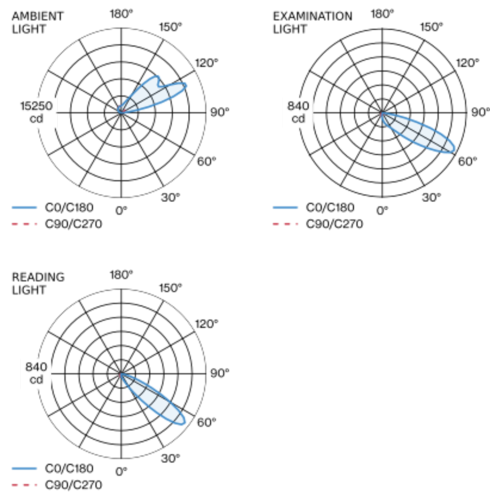
non DIM
4.7², 9.4³, 99⁴ W
PC1 220-240V
63², 59³, 83⁴ lm/W

Physical

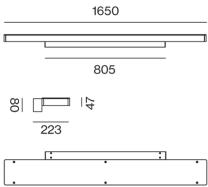
length 1645 mm
width 223 mm
height 80 mm
12 kg

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 and for the examination light circuit and the reading light; power feed from the rear (wall mounting profile preassembled); Luminaire offers 3 kinds of lighting; 1) Reading light; 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; switchable by means of a connection to a button; 3) Indirect room lighting; switchable by means of a connection to a button; maximum power consumption 127W; luminous flux 9380lm; L80 min. 80% of luminous flux after 50000 operating hours; 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 1650mm, visible H 47mm, wall profile H 80mm, D 223mm; Manufacturer XAL, type RECOVER basic 1650

Light distribution



Product drawing



¹ RAL code ² EXAMINATION LIGHT ³ READING LIGHT
⁴ AMBIENT LIGHT
⁵ Value of containing product at full load (undimmed)

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

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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	5
B13	6
B16	8
B20	10
C10	8
C13	10
C16	13
C20	16

