

RECOVER BASIC 1650

099-2211517



Project / Type

Notes

Count / Date



220-240 V

IP 40

General
Wall Surface
white RAL 9010 ¹
IP40
indirect 8170 lm direct 559 ² , 1480 ³ , 2 ⁴ lm
total 559 ² , 1480 ³ , 8170 ⁴ lm
559 ² , 1480 ³ , 8170 ⁴ lm

LED
3000 K
CRI ≥ 97
L80 / 50000 h
initial MacAdam ≤ 3 SDCM
R _g : 102 R _f : 96 R _{f(1-5)} : 96
MR 0.63 MDER 0.57

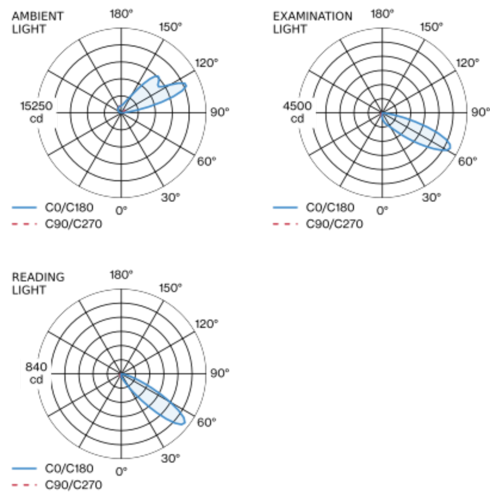
Electrical
non DIM
PC1 220-240 V
system 9.4 ² , 23.5 ³ , 99 ⁴ W
system 59 ² , 63 ³ , 83 ⁴ lm/W ⁵

Physical
length 1645 mm width 223 mm height 80 mm
12 kg

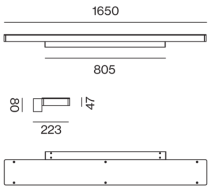
LED wall mounted light for standard nursing area; IP 40 protection; 1 pc per bed; mounting height of upper edge of luminaire: 180cm; rectangular luminaire profile with direct / indirect light distribution, surface white powder coated; end cap in same colour; direct and indirect light exit with clear 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

¹ RAL code ² READING LIGHT ³ EXAMINATION LIGHT
⁴ AMBIENT LIGHT
⁵ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution



Product drawing



[*099-2211517*] 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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

^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

