

RECOVER BASIC 1350

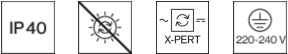
099-2210517



Project / Type

Notes

Count / Date



General

Wall | Surface

pure white | RAL 9010

IP40

total 559¹, 1480², 6530³ lm

559¹, 1480², 6530³ lm

indirect 6530 lm | direct 559¹, 1480², 2³ 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 9.4¹, 23.5², 79³ W

system 59¹, 63², 83³ lm/W ⁴

Physical

length 1350 mm | width 223 mm | height 80 mm

12 kg

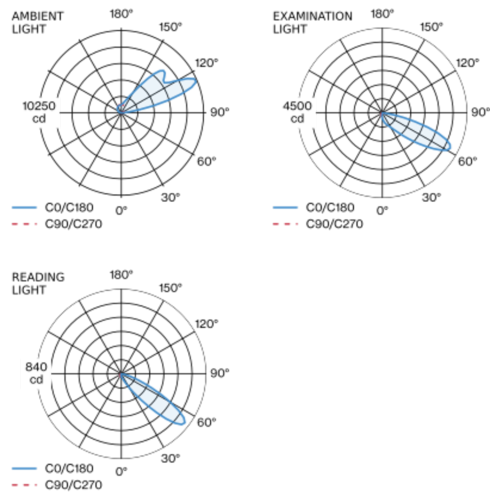
LED wall mounted light for standard nursing area; IP 40 protection; 1 pc per bed; mounting height of upper edge of luminaire: 180cm; rectangular luminaire profile with direct / indirect light distribution, surface white powder coated; end cap in same colour; direct and indirect light exit with clear toughened glass cover; cable inlet on the wall side for 220-240V power supply 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 108W; luminous flux 7870lm; 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 1350mm, visible H 47mm, wall profile H 80mm, D 223mm; Manufacturer XAL, type RECOVER basic 1350

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

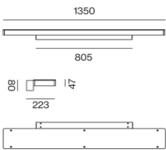
Installation instructions



Light distribution



Product drawing



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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

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

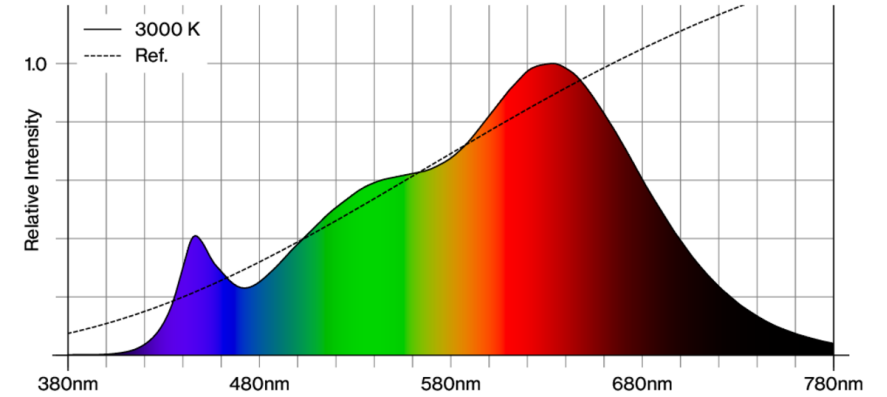
Lamp Survival Factor

^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.

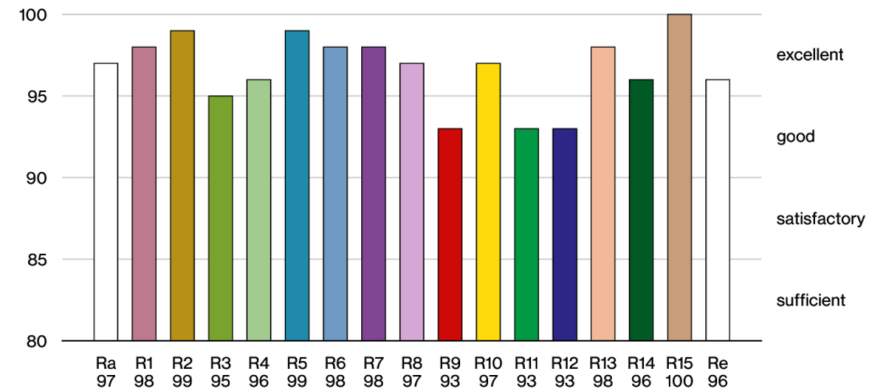
Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	50
B13	65
B16	80
B20	100
C10	50
C13	65
C16	80
C20	100

Colour rendering



CRI/R_a ≥ 97 R_e ≥ 96 (3000 K)



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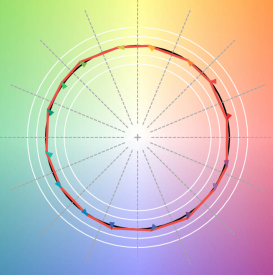


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TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.

