

COMBO ROUND trim

xal.com/combo



Quickinfo

GENERAL

recessed
IP 20

LED

Mid-power LED
up to 138lm/W
3000 K, 4000 K
CRI > 80
Binning < 3-Step MacAdam

ESTIMATED LED LIFETIME

L90 / 50.000 h

OPTICAL

direct illumination
PMMA cover opal
microprismatic (UGR < 19)

ELECTRICAL

non DIM, DIM DALI
DALI: CLO

PHYSICAL

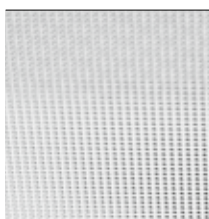
aluminium
powder-coated
halogen-free cable

Description

DE Runder Leuchtenkörper aus Aluminium mit umlaufendem Rand; geeignet für den Einbau in Gipskartondecken; geeignet für Deckenstärken von 2-25 mm; Oberfläche weiß pulverbeschichtet; werkzeuglose mechanische Verbindung mittels Federverschluss; hochreflektierende Beschichtung für verbesserten Wirkungsgrad; absolut homogen ausgeleuchtete, satinierte oder mikroprismatische PMMA-Abdeckung; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); gleiche Leuchtdichte bei allen Flächenleuchten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 90 % des Lichtstromes nach 50000 h Lebensdauer; Leuchte mit 2 Kabelöffnungen und Steckklemme für Durchgangsverdrahtung; Schutzart IP 20; SK I; DALI-dimmbar mit CLO-Funktion; optional nicht dimmbar

EN Round luminaire housing in aluminium with trim; suitable for installation in plasterboard ceilings; suitable for ceiling thickness of 2-25 mm; surface white powder coated; mechanical connection without tools using spring closure; highly reflective coating for improved efficiency; completely homogeneously illuminated, satinised or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); same luminance for all flat luminaires; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 90 % of the luminous flux after 50000 hours; luminaire with 2 cable openings and plug-in terminals for through wiring; protection class IP 20; PC I; DALI dimmable with CLO function; optional non-dimmable

Features



microprismatic
(UGR < 19)



tunable white 3000–
6000 K on request

Standard configuration

COLOUR TEMPERATURE 
3000K 5

CONTROL 
non DIM 1

MATERIAL COLOUR
white 7

7

LIGHT OPTIC COVER 
opal 0

Extended configuration

COLOUR TEMPERATURE 
4000K 6

CONTROL 
DIM DALI / CLO 3

LIGHT OPTIC COVER 
microprismatic (UGR < 19) P

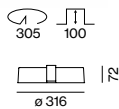
Options on request

COLOUR RENDERING INDEX
CRI ≥ 90

COLOUR TEMPERATURE
tunable white 3000–6000K (2 DALI)

EMERGENCY LIGHT
1h accupack
3h accupack

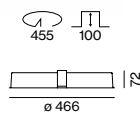
ACCESSORY
concrete installation housing



COMBO ROUND 300 trim



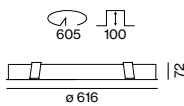
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
12 W	3000K	1300 lm	0 6 4 - 1 0 3 1  7 
	4000K	1380 lm	



COMBO ROUND 450 trim



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
16 W	3000K	2070 lm	0 6 4 - 1 0 4 1  7 
	4000K	2200 lm	



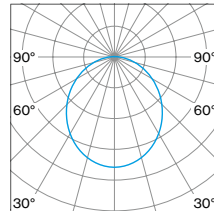
COMBO ROUND 600 trim



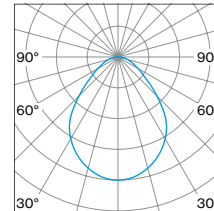
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31 W	3000K	3970 lm	0 6 4 - 1 0 5 1  7 
	4000K	4220 lm	

LIGHT DISTRIBUTION

opal



microprismatic



Inspiration

Dermatologic Clinic
Portugal

PRODUCT
COMBO ROUND trim

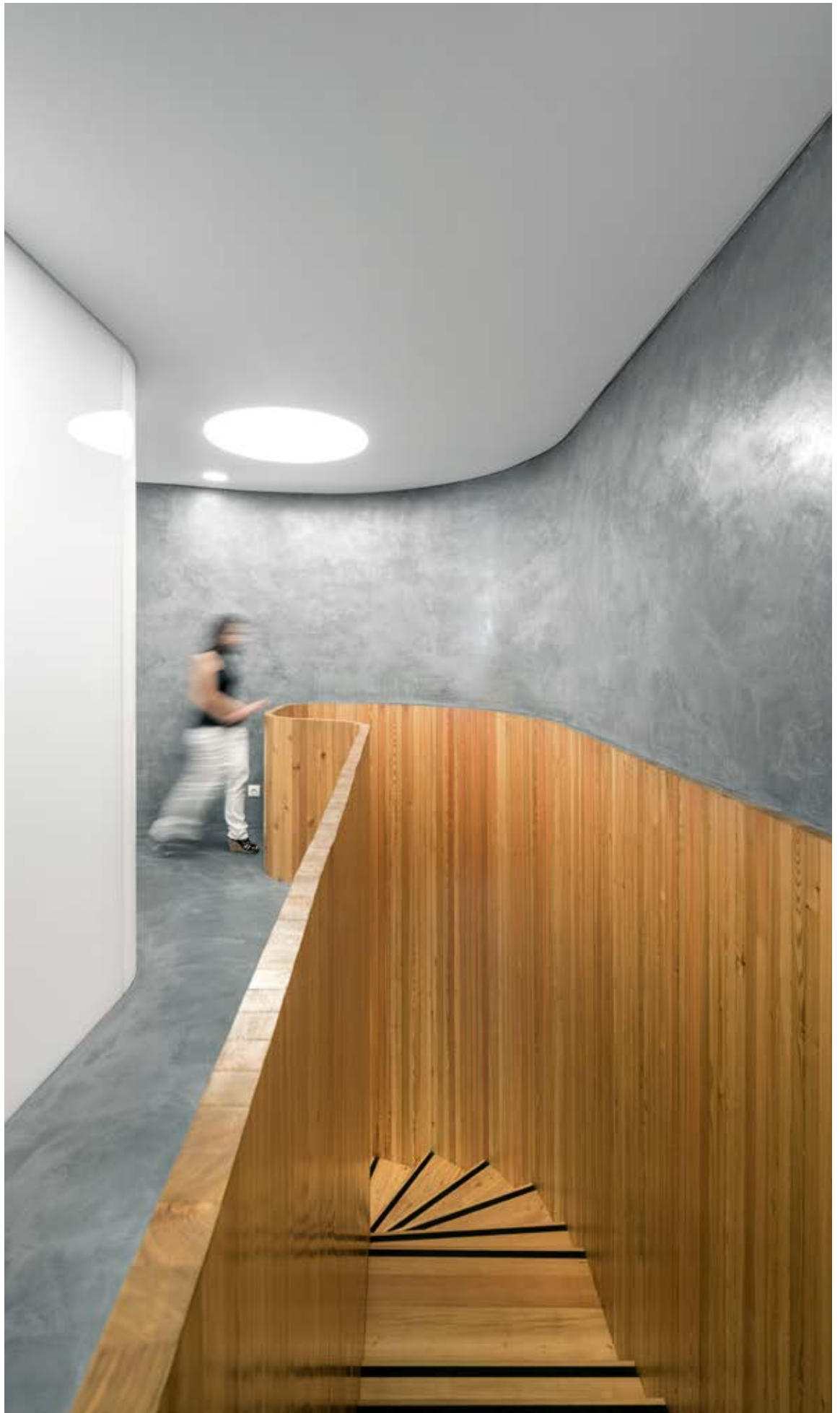
ARCHITECT

José Martinez Silva
Ateliercentral Arquitectos
Lisbon, Portugal

LIGHTING DESIGN

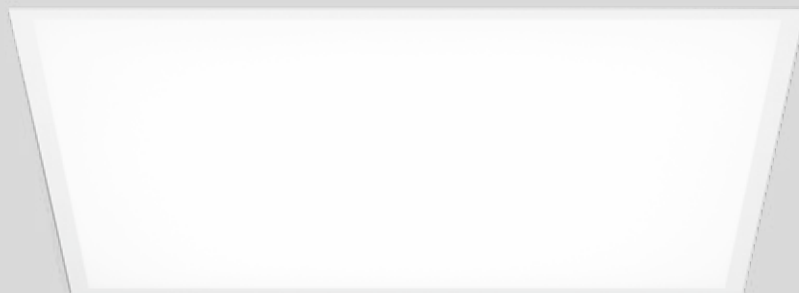
Lightlab and José Martinez Silva
Ateliercentral Arquitectos
Lisbon, Portugal





COMBO SQUARE trim

xal.com/combo



Quickinfo

GENERAL

recessed
IP 20

LED

Mid-power LED
up to 122 lm/W
3000 K, 4000 K
CRI ≥ 80
Binning initial ≤ 3 MacAdam

ESTIMATED LED LIFETIME

L90 / 50000h

OPTICAL

direct illumination
PMMA cover opal
microprismatic (UGR < 19)

ELECTRICAL

non DIM, DIM DALI
DALI: CLO
emergency light 1h / 3h

PHYSICAL

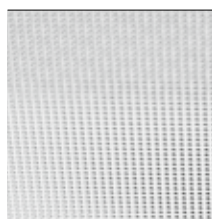
aluminium
powder-coated
halogen-free cable

Description

DE Quadratischer Leuchtenkörper aus Aluminium mit umlaufendem Rand; geeignet für den Einbau in Gipskartondecken; geeignet für Deckenstärken von 2-25 mm; Oberfläche weiß pulverbeschichtet; Leuchtengehäuse für Deckeneinbau vorab lieferbar; Lichteinsatz bestehend aus Konvertereinheit und Platineneinheit; werkzeuglose mechanische Verbindung mittels Drehverschluss; elektrische Verbindung mittels verpolungssicherem Steckersystem; hochreflektierende Beschichtung für verbesserten Wirkungsgrad; absolut homogen ausgeleuchtete, satinierte oder mikroprismatische PMMA-Abdeckung; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); Abdeckung werkzeuglos abnehmbar für einfache Wartung; gleiche Leuchtdichte bei allen Flächenleuchten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 90 % des Lichtstromes nach 50000 h Lebensdauer; Leuchte mit 2 Kabelöffnungen und Steckklemme für Durchgangsverdrahtung; Schutzart IP 20; SK I; DALI-dimmbar mit CLO-Funktion; optional nicht dimmbar

EN Square aluminium luminaire housing with trim; suitable for installation in plaster-board ceilings; suitable for ceiling thickness of 2-25 mm; surface white powder coated; luminaire housing for ceiling installation available in advance; lighting insert consisting of converter unit and circuit board unit; mechanical connection without tools using twist closure; electrical connection by means of reverse polarity protected plug system; highly reflective coating for improved efficiency; completely homogeneously illuminated, satinised or microprismatic PMMA cover; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); cover removable without tools for easy maintenance; same luminance for all flat luminaires; energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000 K and 4000 K; CRI ≥ 80; min. 90 % of the luminous flux after 50000 hours; luminaire with 2 cable openings and plug-in terminals for through wiring; protection class IP 20; PC I; DALI dimmable with CLO function; optional non-dimmable

Features



microprismatic
(UGR < 19)

Standard configuration

COLOUR TEMPERATURE 
3000K 5

CONTROL 
non DIM 1

MATERIAL COLOUR
white 7

7

LIGHT OPTIC COVER 
opal O

Extended configuration

COLOUR TEMPERATURE 
4000K 6

CONTROL 
DIM DALI / CLO 3

LIGHT OPTIC COVER 
microprismatic (UGR < 19) P

Options on request

COLOUR RENDERING INDEX
CRI ≥ 90

EMERGENCY LIGHT

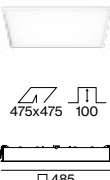
1h accupack
3h accupack



COMBO SQUARE 250 trim



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
8 W	3000K	810 lm	0 6 4 - 1 2 3 1  7 
	4000K	860 lm	

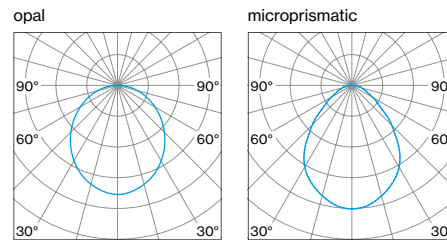


COMBO SQUARE 450 trim



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
24 W	3000K	2710 lm	0 6 4 - 1 2 4 1  7 
	4000K	2880 lm	

LIGHT DISTRIBUTION



Inspiration

Erzherzog Johann Weine
Ehrenhausen, Austria

ARCHITECT
DI Johann Oster
St. Georgen/Stiefing, Austria

LIGHTING DESIGN
TB Petar GmbH
Gleinstätten, Austria

PRODUCT
COMBO SQUARE trim

