

# SONO SURFACE

[xal.com/sono-surface](http://xal.com/sono-surface)



## Quickinfo

### GENERAL

surface mounted  
IP50, IP20

### LED

Mid-power LED  
up to 141lm/W  
3000 K, 4000 K, tunable white  
CRI > 80 (CRI > 90 on request)  
Binning < 3-Step MacAdam

### ESTIMATED LED LIFETIME

L90 / 50.000 h

### OPTICAL

direct, direct/indirect illumination  
uniform illumination  
PMMA cover opal

### ELECTRICAL

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

### PHYSICAL

aluminium  
powder-coated  
halogen-free cable

## Description

**DE** Runder Leuchtenkörper aus Aluminium-druckguss; Oberfläche weiß pulverbeschichtet; geeignet für Wand- oder Deckenmontage; absolut homogen ausgeleuchtete, satinierte PMMA Abdeckung; gleiche Leuchtdichte bei allen Flächenleuchten mit selber Bestückung (e LED oder e<sup>2</sup> LED); energieeffiziente LEDs mit hoher Farbwiedergabe; Binning < 3-Step MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K, optional mit Tunable-White Bestückung (3000-6000 K); CRI > 80; min. 90 % des Lichtstromes nach 50.000 h Lebensdauer; Schutzart IP50, optional IP54; SK I; optional DALI-dimmbare mit CLO oder RCS-Funktion; optional mit LED Notlichtelement mit 1h oder 3h Akku und Selbsttest

**EN** Round luminaire housing in die-cast aluminium; surface white powder coated; suitable for wall or ceiling mounting; completely homogeneously illuminated, satinised PMMA cover; same light density for all surface lights with the same components (e LED or e<sup>2</sup> LED); energy-efficient LEDs with high colour rendering; binning <3 step MacAdam; available in the light colours 3000 K and 4000 K, optionally with tunable-white diodes (3000-6000 K); CRI > 80; min. 90% of the luminous flux after 50,000 hours; protection class IP50, optional IP54; PC I; optional DALI dimmable with CLO or RCS function; optional with LED emergency light with 1 h or 3 h battery and self test

### SONO FLEX

RECESSED

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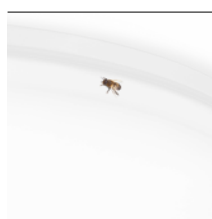
### SONO

SURFACE IP54

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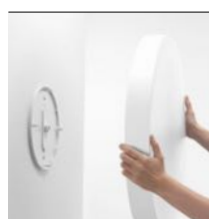
## Features



IP50 (dust and insect protection)



sturdy design



easy mounting by click-mechanism



direct/indirect light distribution

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DIM DALI / CLO (only for e <sup>2</sup> LED)	3
RCS Master (☺)	M
RCS Slave (☺)	S
Combination RCS + emergency not possible	

## MATERIAL COLOUR

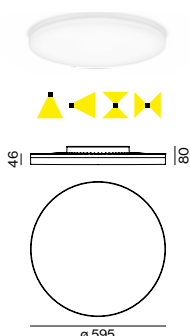
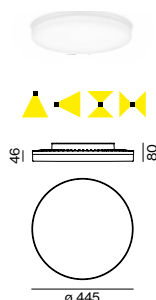
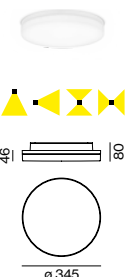
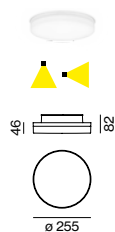
white



## EMERGENCY

1h accupack	N L 1
3h accupack	N L 3

Combination emergency + RCS not possible



## SONO 260 SURFACE

e <sup>2</sup> LED	220-240V	IP 50	CB		1 DALI ADDR.	1,5 kg
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## DIRECT IP 50

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
7W e <sup>2</sup>	3000K	880lm	0 7 1 - 9 1 2 6 ☺☺ 7 O
	4000K	920lm	

## SONO 350 SURFACE

e/e <sup>2</sup> LED	220-240V	IP 50	CB		1 DALI ADDR.	3,5 kg
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## DIRECT IP 50

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
8W e	3000K (☺)	1000lm	0 7 1 - 9 1 3 7 ☺☺ 7 O
	4000K (☺)	1100lm	
15W e <sup>2</sup>	3000K (☺)	1800lm	0 7 1 - 9 1 3 6 ☺☺ 7 O ●
	4000K (☺)	1900lm	
15W e <sup>2</sup>	tunable white (2 DALI)		0 7 1 - 9 1 3 6 0 3 7 O

## DIRECT / INDIRECT IP 20

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11W e	3000K	1400lm	0 7 1 - 9 1 3 9 ☺☺ 1 7 O
	4000K	1500lm	
21W e <sup>2</sup>	3000K	2500lm	0 7 1 - 9 1 3 8 ☺☺ 7 O
	4000K	2600lm	

## SONO 450 SURFACE

e/e <sup>2</sup> LED	220-240V	IP 50	CB		1 DALI ADDR.	4,5 kg
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## DIRECT IP 50

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
12W e	3000K (☺)	1600lm	0 7 1 - 9 1 4 7 ☺☺ 7 O
	4000K (☺)	1700lm	
23W e <sup>2</sup>	3000K (☺)	2900lm	0 7 1 - 9 1 4 6 ☺☺ 7 O ●
	4000K (☺)	3000lm	
23W e <sup>2</sup>	tunable white (2 DALI)		0 7 1 - 9 1 4 6 0 3 7 O

## DIRECT / INDIRECT IP 20

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
17W e	3000K	2100lm	0 7 1 - 9 1 4 9 ☺☺ 1 7 O
	4000K	2200lm	
31W e <sup>2</sup>	3000K	3800lm	0 7 1 - 9 1 4 8 ☺☺ 7 O
	4000K	4000lm	

## SONO 600 SURFACE

e/e <sup>2</sup> LED	220-240V	IP 50	CB		1 DALI ADDR.	7,5 kg
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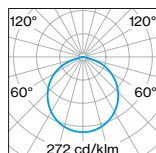
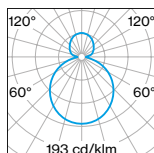
## DIRECT IP 50

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
24W e	3000K (☺)	3100lm	0 7 1 - 9 1 5 7 ☺☺ 7 O
	4000K (☺)	3300lm	
43W e <sup>2</sup>	3000K (☺)	5500lm	0 7 1 - 9 1 5 6 ☺☺ 7 O
	4000K (☺)	5700lm	
43W e <sup>2</sup>	tunable white (2 DALI)		0 7 1 - 9 1 5 6 0 3 7 O

## DIRECT / INDIRECT IP 20

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
32W e	3000K	4200lm	0 7 1 - 9 1 5 9 ☺☺ 1 7 O
	4000K	4400lm	
61W e <sup>2</sup>	3000K	7400lm	0 7 1 - 9 1 5 8 ☺☺ 7 O
	4000K	7700lm	

## Light distribution

Opal  
direct  
LOR 86 %Opal  
direct / indirect  
LOR 82 %