



## TECHNICAL INFORMATIONS

# PAINEL SUPERFÍCIE REDONDO

## 18W CCT BRANCO

Panel de Encastrar e Superfície, ideal para tectos falsos com altura limitada.

Recessed and Surface Panel, ideal for dropped ceiling with limited height.

Panel de Encastrar y Superfície, ideal para techos falsos con altura limitada.

**ILAR-01943**



### REFERENCE

Led Type	SMD
Mounting Type	Surface
Body Material	Aluminium
Housing Colour	White
Body Shape	Round
LGP	PS
Nominal Lifetime (EOL end of life)	25000hrs
LED Brand	Samsung LED
Useful Lifetime Based on LM70	-
Dimmable	No

### DIMENSION & WEIGHT

Width	Ø225mm
Height	35mm
Weight	0.455kg

### PHOTOMETRICAL DATA

Total Luminous Flux	1630lm
Luminous Efficacy	90lm/w
Beam Angle	120°
Colour Temperature	CCT 3000K-4000K-6500K
Colour Rendering Index	>80
Colour Consistency	<= 6

### ELECTRICAL AND OPERATING DATA

Nominal Wattage	18W
Nominal Voltage	85-265V
Operating Frequency	50/60Hz
Power Factor	0.7
Operating Temperature	- 20° C to + 40° C

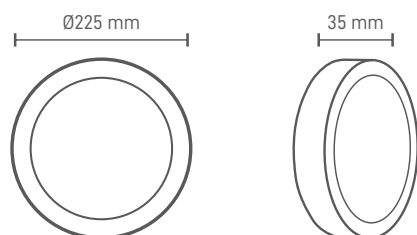
### ENERGY LABEL & STANDARS

Energy Label	A+
Energy Consumption KWH/1000H	12kwh
Type of Protection	IP44
Protection Class	Class II
Protection Class IK (shock resistance)	-

### CERTIFICATIONS

2014/30/EU (EMC Directive)	YES
2014/35/EU (LVD Directive)	YES
ROHS	YES
Warranty	2 YEARS

### SIZE



Designed by Aron Light in Portugal. Made in PRC



## TECHNICAL INFORMATIONS

# PAINEL SUPERFÍCIE REDONDO

## 24W CCT BRANCO

Panel de Encastrar e Superfície, ideal para tectos falsos com altura limitada.

Recessed and Surface Panel, ideal for dropped ceiling with limited height.

Panel de Encastrar y Superfície, ideal para techos falsos con altura limitada.

**ILAR-01944**



### REFERENCE

Led Type	SMD
Mounting Type	Surface
Body Material	Aluminium
Housing Colour	White
Body Shape	Round
LGP	PS
Nominal Lifetime (EOL end of life)	25000hrs
LED Brand	Samsung LED
Useful Lifetime Based on LM70	-
Dimmable	No

### DIMENSION & WEIGHT

Width	Ø300mm
Height	35mm
Weight	0.455kg

### PHOTOMETRICAL DATA

Total Luminous Flux	2160 lm
Luminous Efficacy	90lm/w
Beam Angle	120°
Colour Temperature	CCT 3000K-4000K-6500K
Colour Rendering Index	>80
Colour Consistency	<= 6

### ELECTRICAL AND OPERATING DATA

Nominal Wattage	24W
Nominal Voltage	85-265V
Operating Frequency	50/60Hz
Power Factor	0.7
Operating Temperature	- 20° C to + 40° C

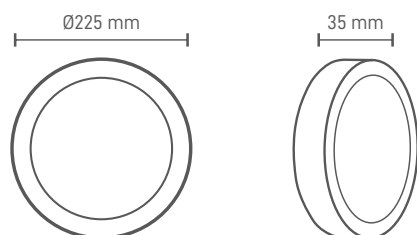
### ENERGY LABEL & STANDARS

Energy Label	A+
Energy Consumption KWH/1000H	12kwh
Type of Protection	IP44
Protection Class	Class II
Protection Class IK (shock resistance)	-

### CERTIFICATIONS

2014/30/EU (EMC Directive)	YES
2014/35/EU (LVD Directive)	YES
ROHS	YES
Warranty	2 YEARS

### SIZE



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## TECHNICAL INFORMATIONS

# PAINEL SUPERFÍCIE REDONDO

## 12W CCT WHITE

Panel de Encastrar e Superfície, ideal para tectos falsos com altura limitada.

Recessed and Surface Panel, ideal for dropped ceiling with limited height.

Panel de Encastrar y Superfície, ideal para techos falsos con altura limitada.

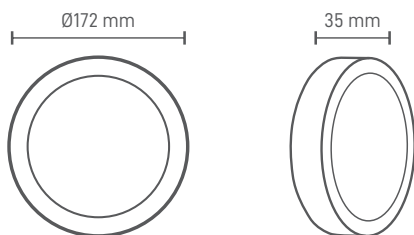
**ILAR-02029**



REFERENCE		DIMENSION & WEIGHT		PHOTOMETRICAL DATA	
Led Type	SMD	Width	Ø170mm	Total Luminous Flux	1070lm
Mounting Type	Surface	Height	35mm	Luminous Efficacy	90lm/w
Body Material	Aluminium	Weight	0.325kg	Beam Angle	120°
Housing Colour	White			Colour Temperature	CCT 3000K-4000K-6500K
Body Shape	Round			Colour Rendering Index	>80
LGP	PS			Colour Consistency	<= 6
Nominal Lifetime (EOL end of life)	25000hrs				
LED Brand	Samsung LED				
Useful Lifetime Based on LM70	-				
Dimmable	No				

ELECTRICAL AND OPERATING DATA		ENERGY LABEL & STANDARS		CERTIFICATIONS	
Nominal Wattage	12W	Energy Consumption KWH/1000H	12kwh	2014/30/EU (EMC Directive)	YES
Nominal Voltage	85-265V	Type of Protection	IP44	2014/35/EU (LVD Directive)	YES
Operating Frequency	50/60Hz	Protection Class	II	ROHS	YES
Power Factor	0.7	Protecion Class IK (shock resistance)	-	Warranty	2 YEARS
Operating Temperature	- 20° C to + 40° C				

### SIZE



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## TECHNICAL INFORMATIONS

### SQUARE SURFACE PANEL

### 12W 3CCT WHITE

Panel de Encastrar e Superfície, ideal para tectos falsos com altura limitada.

Recessed and Surface Panel, ideal for dropped ceiling with limited height.

Panel de Encastrar y Superficie, ideal para techos falsos con altura limitada.

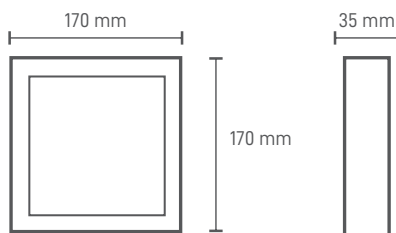
**ILAR-01752**



REFERENCE		DIMENSION & WEIGHT		PHOTOMETRICAL DATA	
Led Type	SMD	Width	170x170mm	Total Luminous Flux	1050lm
Mounting Type	Surface	Height	35mm	Luminous Efficacy	90lm/w
Body Material	Aluminium	Weight	0.365kg	Beam Angle	120°
Housing Colour	White			Colour Temperature	3CCT (3000K-4000K-6500K)
Body Shape	Square			Colour Rendering Index	>80
LGP	PS			Colour Consistency	<= 6
Nominal Lifetime (EOL end of life)	25000hrs				
LED Brand	Samsung LED				
Dimmable	No				

ELECTRICAL AND OPERATING DATA		ENERGY LABEL & STANDARS		CERTIFICATIONS	
Nominal Wattage	12W	Energy Label	A+	2014/30/EU (EMC Directive)	YES
Nominal Voltage	85-265V	Energy Consumption KWH/1000H	12kwh	2014/35/EU (LVD Directive)	YES
Operating Frequency	50/60Hz	Type of Protection	IP44	ROHS	YES
Power Factor	0.7	Protection Class	II	Warranty	2 YEARS
Operating Temperature	- 20° C to + 40° C	Protection Class IK (shock resistance)	-		

### SIZE



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## TECHNICAL INFORMATIONS

# SQUARE SURFACE PANEL

## 24W CCT WHITE

Panel de Encastrar e Superfície, ideal para tectos falsos com altura limitada.

Recessed and Surface Panel, ideal for dropped ceiling with limited height.

Panel de Encastrar y Superficie, ideal para techos falsos con altura limitada.

### ILAR-02030



#### REFERENCE

Led Type	SMD
Mounting Type	Surface
Body Material	Aluminium
Housing Colour	White
Body Shape	Square
LGP	PS
Nominal Lifetime (EOL end of life)	25000hrs
LED Brand	Samsung LED
Dimmable	No

#### DIMENSION & WEIGHT

Width	300x300mm
Height	35mm
Weight	0.995kg

#### PHOTOMETRICAL DATA

Total Luminous Flux	2160lm
Luminous Efficacy	90lm/w
Beam Angle	120°
Colour Temperature	6500K
Colour Rendering Index	>80
Colour Consistency	<= 6

#### ELECTRICAL AND OPERATING DATA

Nominal Wattage	24W
Nominal Voltage	85-265V
Operating Frequency	50/60Hz
Power Factor	0.7
Operating Temperature	- 20° C to + 40° C

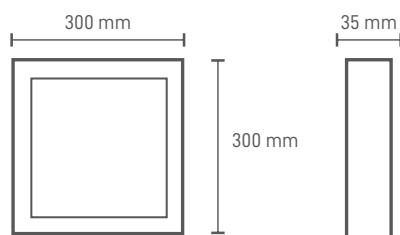
#### ENERGY LABEL & STANDARS

Energy Label	A+
Energy Consumption KWH/1000H	24kwh
Type of Protection	IP44
Protection Class	Class II
Protection Class IK (shock resistance)	IK03

#### CERTIFICATIONS

2014/30/EU (EMC Directive)	YES
2014/35/EU (LVD Directive)	YES
ROHS	YES
Warranty	2 YEARS

#### SIZE



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## TECHNICAL INFORMATIONS

### SQUARE SURFACE PANEL

### 18W 3CCT WHITE

Panel de Encastrar e Superfície, ideal para tectos falsos com altura limitada.

Recessed and Surface Panel, ideal for dropped ceiling with limited height.

Panel de Encastrar y Superficie, ideal para techos falsos con altura limitada.

**ILAR-02338**



#### REFERENCE

Led Type	SMD
Mounting Type	Surface
Body Material	Aluminium
Housing Colour	White
Body Shape	Square
LGP	PS
Nominal Lifetime (EOL end of life)	25000hrs
LED Brand	Samsung LED
Dimmable	No

#### DIMENSION & WEIGHT

Width	225x225mm
Height	35mm
Weight	0.555kg

#### PHOTOMETRICAL DATA

Total Luminous Flux	1630lm
Luminous Efficacy	90lm/w
Beam Angle	120°
Colour Temperature	4000K
Colour Rendering Index	>80
Colour Consistency	<= 6

#### ELECTRICAL AND OPERATING DATA

Nominal Wattage	18W
Nominal Voltage	85-265V
Operating Frequency	50/60Hz
Power Factor	0.7
Operating Temperature	- 20° C to + 40° C

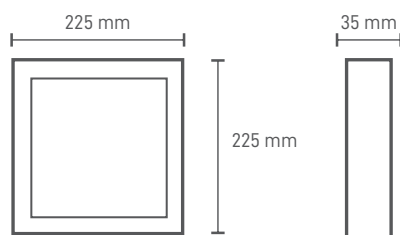
#### ENERGY LABEL & STANDARS

Energy Label	A+
Energy Consumption KWH/1000H	18kwh
Type of Protection	IP44
Protection Class	Class II
Protection Class IK (shock resistance)	IK03

#### CERTIFICATIONS

2014/30/EU (EMC Directive)	YES
2014/35/EU (LVD Directive)	YES
ROHS	YES
Warranty	2 YEARS

#### SIZE



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