



## PLANO BASIC 230 WHITE

Low-build, energy-saving downlight for general lighting in large premises - perfect replacement for old compact fluorescent luminaires. Selectable colour temperature via DIP switch ColourTemp. Available in three sizes suitable for most cut out dimensions from 140mm to 218mm. Extremely efficient with broad beam angle together with opal diffuser, it creates an even general lighting in corridors, schools, canteens and waiting rooms, etc. Comes complete with phase dimmable driver and 2m cord set with earthed plug. Can be supplied with Q-Box Mini or Linect.

### DESCRIPTION

<b>GTIN:</b>	7392971139029
<b>Item Name:</b>	Plano Basic 230 White
<b>Warranty:</b>	5 years

### LIGHT TECHNICAL DATA

<b>Max. Luminaire Lumen (lm):</b>	3840
<b>Light Source:</b>	LED
<b>Light Source Included:</b>	Yes
<b>Replaceability:</b>	Non-replaceable LED, Replaceable Control gear by professional
<b>LED Colour:</b>	White
<b>Colour Temperature (K):</b>	3000, 4000, 5700
<b>Colour Rendering Index (Ra):</b>	>80
<b>Colour Consistency (SDCM):</b>	3
<b>Luminous Intensity (cd):</b>	1460
<b>Beam Angle (°):</b>	100
<b>Light sharing:</b>	Symmetric
<b>Light Outlet:</b>	Direct
<b>Number of Lamps (pcs):</b>	1
<b>Number of LED (pcs):</b>	240
<b>Life Time:</b>	h Ta °C
<b>Nominal Life Time (h):</b>	50000
<b>Lumen maintenance 50 000h:</b>	L70
<b>LLMF @ 50 000h:</b>	0.7
<b>Life Time Driver:</b>	50 000h/5%
<b>Flicker (PstLM):</b>	0,034
<b>Stroboscopic effect (SVM):</b>	0,004

## TECHNICAL DATA

Adjustable:	No
Voltage (type):	AC
Voltage Interval (V):	220...240V
Voltage Nominal (V):	230
Line Frequency (Hz):	50
Max. Power Luminaire (W):	35
Max. System Power (W):	35
Max. Efficiency Luminaire (lm/W):	110
Max. Efficiency System (lm/W):	110
Containing light source energy efficiency class (EU) 2019/2015: E	

## OPERATION AND CONNECTION

Dimmable:	Yes
Type of Dimming:	Trailing Edge, Leading Edge
Driver Included:	Yes
Driver Model:	Constant Current
Driver Type:	Stand Alone
Connection (type):	Cord Set
Length Connection (cm):	200
Connection (mm <sup>2</sup> ):	2x0,75
Through Wiring:	No
Strain Relief:	Yes
Power Factor $\lambda$ :	0,9
Efficiency (%):	85
Constant Current (mA):	800
Min. Ta (°C):	-20
Max. Ta (°C):	45
Max. Tc (°C):	80
Memory Function Power Failure:	No
Fuse B10 (pcs):	30
Fuse B16 (pcs):	48
Fuse C10 (pcs):	30
Fuse C16 (pcs):	48

## COLOR AND MATERIAL

Material:	Aluminium, Plastic
Color:	White
Environmental Assessment:	Byggvarubedömningen

## MEASUREMENT AND INSTALLATION

Operating Environment:	Indoor / wet locations
IP Degree of Protection:	54
Protection Class:	II
Installation:	Built-in
Mounting Installation:	Mounting Spring
Ceiling Thickness Interval (mm):	3-25mm
Fire Safety Marks:	Not in insulation without protection cover
Approval Marks:	CE
Impact Strength:	IK06
Filament Test IEC 695-2-1(°C):	650
Height (mm):	45
Diameter (mm):	228
Weight (kg):	0,81
Height Recessed Part (mm):	42
Height Exterior Part (mm):	3
Built-in Ø (mm):	200-218mm

