



## CIRCO M BLACK

Set the tone with Circo M – a decorative mood creator in a circular design. Easily installed and dimmable, ready for direct connection to 230V, indoors and outdoors. Replaceable LED and driver. Circo M has a choice of colour temperatures and built in driver with separate adjustable light level via DIP-switch. Separate rear element and built in spacer frame with input for installation of surface-mounted cables. The luminaire is designed for IP65, IK10 and has durable powder coating for tough outdoor environments. You can change its appearance with accessories such as decor fronts. Why not place several Circo Ms, with and without decor fronts and in different sizes, beside each other to create beautiful symmetry and patterns in groups. The decor fronts can be supplied in a choice of colours. Spacer frames are available as accessories so that the luminaires can overlap each other to create patterns.

### DESCRIPTION

<b>GTIN:</b>	7392971148663
<b>Item Name:</b>	Circo M Black
<b>Warranty:</b>	5 years

## LIGHT TECHNICAL DATA

<b>Max. Luminaire Lumen (lm):</b>	1940
<b>Light Source:</b>	LED
<b>Light Source Included:</b>	Yes
<b>Replaceability:</b>	Replaceable LED by professional, Replaceable Control gear by professional
<b>LED Colour:</b>	Warm White
<b>Colour Temperature (K):</b>	2700, 3000, 4000
<b>Colour Rendering Index (Ra):</b>	>90
<b>Colour Consistency (SDCM):</b>	3
<b>Luminous Intensity (cd):</b>	590
<b>Beam Angle (°):</b>	130
<b>Light sharing:</b>	Symmetric
<b>Light Outlet:</b>	Indirect
<b>Number of LED (pcs):</b>	1
<b>Life Time:</b>	h Ta °C
<b>Nominal Life Time (h):</b>	100000
<b>Lumen maintenance 35 000h:</b>	L88
<b>Lumen maintenance 50 000h:</b>	L88
<b>Lumen maintenance 75 000h:</b>	L83
<b>Lumen maintenance 100 000h:</b>	L78
<b>LLMF @ 50 000h:</b>	0.88
<b>LLMF @ 100 000h:</b>	0.78
<b>Life Time Driver:</b>	100 000h/20%
<b>Flicker (PstLM):</b>	0,018
<b>Stroboscopic effect (SVM):</b>	0,018

## TECHNICAL DATA

<b>Voltage (type):</b>	AC
<b>Voltage Interval (V):</b>	220...240V
<b>Voltage Nominal (V):</b>	230
<b>Line Frequency (Hz):</b>	50
<b>Power LED (W):</b>	19
<b>Max. Power Luminaire (W):</b>	22
<b>Max. System Power (W):</b>	22
<b>Max. Efficiency Luminaire (lm/W):</b>	88
<b>Max. Efficiency System (lm/W):</b>	88
<b>Containing light source energy efficiency class (EU) 2019/2015: E</b>	

## OPERATION AND CONNECTION

<b>Dimmable:</b>	Yes
<b>Type of Dimming:</b>	DIP-Switch Power, Trailing Edge
<b>Driver Included:</b>	Yes - replaceable
<b>Driver Model:</b>	Constant Current
<b>Driver Type:</b>	Built-in
<b>Driver Manufacturer:</b>	Hide-a-lite
<b>Connection (type):</b>	Quick Terminal
<b>Connection (mm<sup>2</sup>):</b>	5x0,5-2,5
<b>Through Wiring:</b>	Yes
<b>Power Factor <math>\lambda</math>:</b>	0,9
<b>Efficiency (%):</b>	84
<b>Power loss (W):</b>	3,6
<b>Leakage current (mA) (at 230 V, 50 Hz, full load):</b>	0,13
<b>THD (%):</b>	30
<b>Constant Current (mA):</b>	150, 260, 260, 450
<b>Min. Ta (°C):</b>	-20
<b>Max. Ta (°C):</b>	40
<b>Max. Tc (°C):</b>	85
<b>Dimming secondary side:</b>	AM
<b>Protection Against:</b>	Short Circuit, Overload
<b>Inrush current (max/time):</b>	5A 50 $\mu$ s
<b>Mains surge protection DM (kV):</b>	2
<b>Mains surge protection CM (kV):</b>	2
<b>Fuse B10 (pcs):</b>	61
<b>Fuse B16 (pcs):</b>	97
<b>Fuse C10 (pcs):</b>	61
<b>Fuse C16 (pcs):</b>	97

## COLOR AND MATERIAL

<b>Material:</b>	Aluminium
<b>Color:</b>	Black
<b>Environmental Assessment:</b>	Byggvarubedömningen
<b>Available in special color:</b>	Yes

## MEASUREMENT AND INSTALLATION

<b>Operating Environment:</b>	Indoor / dry locations, Indoor / damp locations, Indoor / wet locations, Indoor / bathroom (ceiling area 1), Outdoor
<b>IP Degree of Protection:</b>	65
<b>Protection Class:</b>	I
<b>Installation:</b>	Wall
<b>Mounting Installation:</b>	Screw Mounting
<b>Approval Marks:</b>	CE, a Hide-a-lite Choice
<b>Impact Strength:</b>	IK10
<b>Filament Test IEC 695-2-1(°C):</b>	650
<b>Height (mm):</b>	62
<b>Diameter (mm):</b>	250
<b>Weight (kg):</b>	1,18



