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ECHO M 170 WHITE DALI

Flexible luminaire with reflector technology and a high-positioned light source for very good anti-glare properties. All-round luminaire for public environments where more light is needed, e.g. rooms with high ceilings. For new installations or replacement of old compact fluorescent lamp fixtures for a much more energy-efficient installation. Adjustable lumen output and selectable colour temperature via DIP switch, 3000K, 4000K and 5700K. Complete with driver for phase dimming or DALI 2, with push-in terminals and screwless strain relief. Cover ring available as an accessory. Can be supplied with Q-Box Mini or Linect.

DESCRIPTION

GTIN:	7392971141312
Item Name:	Echo M 170 White DALI
Warranty:	5 years

LIGHT TECHNICAL DATA

Max. Luminaire Lumen (lm):	1870
Light Source:	LED
Replaceability:	Replaceable LED by professional, Replaceable Control gear by professional
LED Colour:	White
Colour Temperature (K):	3000, 4000, 5700
Colour Rendering Index (Ra):	>80
Colour Consistency (SDCM):	3
Luminous Intensity (cd):	1080
Beam Angle (°):	85
Light sharing:	Symmetric
Light Outlet:	Direct
Number of Lamps (pcs):	1
Number of LED (pcs):	120
Life Time:	L80 50 000h Ta 25°C
Nominel Life Time (h):	50000
Lumen maintenance 50 000h:	L80
Lumen maintenance 75 000h:	L71
LLMF @ 50 000h:	0.8
Life Time Driver:	50 000h/10%
Flicker (PstLM):	0,002
Stroboscopic effect (SVM):	0,007

TECHNICAL DATA

Voltage (type):	AC
Voltage Interval (V):	220...240V
Voltage Nominal (V):	230
Line Frequency (Hz):	50, 60
Power LED (W):	16
Max. Power Luminaire (W):	20
Max. System Power (W):	20
Max. Efficiency Luminaire (lm/W):	93,5
Max. Efficiency System (lm/W):	93,5

Containing light source energy efficiency class (EU) 2019/2015: E

OPERATION AND CONNECTION

Dimmable:	Yes
Type of Dimming:	DIP-Switch Power, Push 230V, 1-10V, DALI 2
Driver Included:	Yes
Driver Model:	Constant Current
Driver Type:	Stand Alone
Driver Manufacturer:	Hide-a-lite
Connection (type):	Quick Terminal
Connection (mm2):	5x0,5-1,5
Through Wiring:	Yes
Strain Relief:	Yes
Power Factor λ:	0,9
Efficiency (%):	82
Power loss (W):	3,5
Leakage current (mA) (at 230 V, 50 Hz, full load):	0,5
Standby Power:	0,5
Constant Current (mA):	250, 300, 350, 400, 450, 500
Operating Temperature:	-20...+40°C
Max. Tc (°C):	85
Dimming secondary side:	AM
Suitable for random switching:	Yes
Memory Function Power Failure:	Yes
Inrush current (max/time):	4,5A 90µs
Mains surge protection DM (kV):	1
Mains surge protection CM (kV):	2
Fuse B10 (pcs):	33
Fuse B16 (pcs):	52
Fuse C10 (pcs):	55
Fuse C16 (pcs):	88

COLOR AND MATERIAL

Material:	Aluminium
Color:	White
Environmental Assessment:	Byggvarubedömningen
Available in special color:	Yes

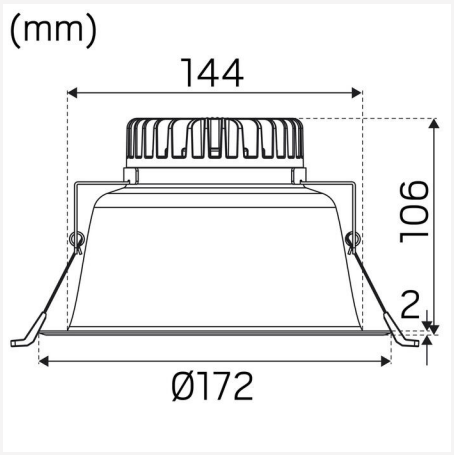
MEASUREMENT AND INSTALLATION

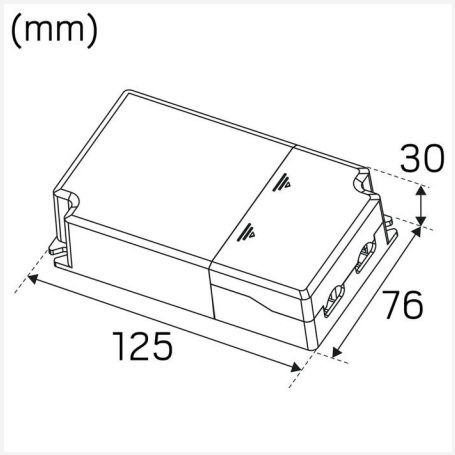
Operating Environment:	Indoor / wet locations, Outdoor
IP Degree of Protection:	44
Protection Class:	II
Installation:	Built-in
Mounting Installation:	Mounting Spring
Ceiling Thickness Interval (mm):	5-40mm
Fire Safety Marks:	Not in insulation without protection cover
Approval Marks:	CE, a Hide-a-lite Choice
Filament Test IEC 695-2-1(°C):	650
Height (mm):	106
Diameter (mm):	172
Weight (kg):	0,73
Min. Built-in (mm):	400x300x115
Height Recessed Part (mm):	104
Height Exterior Part (mm):	2
Built-in Ø (mm):	144-158mm

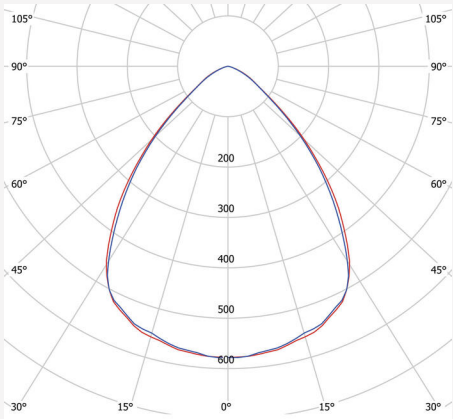














Echo M DALI – DIP DIM

mA	Effekt	3000K	4000K	5700K
500mA	21W	1780 lm	1870 lm	1830 lm
450mA	19W	1610 lm	1700 lm	1660 lm
400mA	17W	1470 lm	1550 lm	1500 lm
350mA	15W	1280 lm	1340 lm	1300 lm
300mA	13W	1110 lm	1160 lm	1130 lm
250mA	11W	950 lm	980 lm	960 lm