



High Bay Emergency Module
Optional Gear



Zhaga Sensor &
Remote Control
Optional Gear

Echo III Pro

Echo III Pro 80W/100W/120W LED Circular Suspended High Bay Luminaire with Emergency and Sensor Options, 4000K

Echo III Pro • Wattage switchable 80W/100W/120W • Class I, IP65, IK10 • High efficiency of up to 200lm/W • Dimmable when using Microwave Sensor & Remote Control • Diecast aluminium body • Suspension installation • Surge protection • Long life of 40,000h • Instant start • Negligible UV output • Optional emergency and Microwave Sensor • Optional polycarbonate or aluminium shade • Push-wire waterproof connector included

ECH3P120-W40 (07202)

Specification

Voltage	100-240Vac 50/60Hz
Current (mA)	549 (458,366)
Rated Power (W)	120(100, 80)
CCT Words	Cool White
CCT (K)	4000
Total Luminous Flux (lm)	24000(20000,16000)
Beam Angle(°)	90°
Nominal Lifetime (h)	40000
L70B50 Lifetime (h)	54000
L80B10 Lifetime (h)	54000
L90 Lifetime (h)	31000
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
SDCM of CCT	<6
Flicker %	<1%
Power Factor	0.95
Dimensions L x W x D (mm)	164*φ259mm
Ambient Temperature Range (°C)	-20 to 40
Weight (kg)	2.6
In-rush current (peak/duration) (A)	80 A /300 us
Protection Rating	Class I
IK Rating	IK10
IP Rating	IP65
Emergency Luminous Flux (lm)	900

Light Source Specification

Lighting Technology Used	LED
Directional / Non Directional (DLS/NDLS)	DLS
Light Source Cap Type (or other interface)	Wires

Mains / Non-Mains (MLS/NMLS)	NMLS
Connected Light source (Y/N)	N
Colour Tunable Light Source (Y/N)	N
High Luminance Light Source (Y/N)	N
Anti-Glare Shield (Y/N)	N
Dimmable (Y/N/Specific dimmer)	N
Energy Efficiency Class	B
Useful Luminous Flux (lm)	20300
Beam Angle correspondence (in 360°/120°/90°)	in 120°
CCT	4000
On-Mode Power (Pon) (W)	110
Standby Power (Psb) (W)	0
Networked Standby Power (Pnet) (W)	N/A
CRI	70
CRI (min)	70
CRI (max)	70
Height (mm)	64
Width (mm)	259
Depth (mm)	259
Claim of Equivalent Power? (Y/N)	N
Equivalent Power (W)	N/A
Chromaticity Co-Ordinates (X)	0.38
Chromaticity Co-Ordinates (Y)	0.38
Peak Luminous Intensity (DLS) (cd)	10000
Beam Angle (DLS)	90
Beam Angle (min)(DLS)	85
Beam Angle (max) (DLS)	95
Survival Factor (x.xx)	0.9
Lumen Maintenance Factor (x.xx)	0.96
Displacement Factor	N/A

Colour Consistency in Mcadam Ellipses (Mains LED/OLED)	N/A
LED light source replaces flourescent without integrated ballast of particular wattage (Mains LED/OLED) (Y/N)	N/A
Replacement W Claim (Mains LED/OLED) (W)	N/A
Flicker metric (pst LM) (x,x)	N/A
Storoscopic effect metric (SVM) (x,x)	N/A
Light Source Supply	194Vdc 570mA

Optional Gears and Accessories

Optional Gears 1	High Bay EME Module: EMHB08
Optional Gears 2	High Bay Self Test EME Module: EMHB08/ST
Optional Gears 3	Microwave Sensor: MWS-ZGA
Optional Gears 4	Microwave Sensor Remote Control: MWS-RMT
Accessories 1	PC Shade: ECH-SHD-PCS

Technical Drawings

