



Alden II

Alden II Backlit LED Panel with emergency option

Available April 2023 Alden II • Class I • IP20 rear, IP44 front • Compatible with Kosnic emergency modules • Optional suspension kit available • Alternate DALI, 1-10V and Push Dimmable driver available. • High lumen output upto 155 lm/W • TP(a) rated diffuser • Flicker free • UGR <19 according to BS EN 12464 • Long operational life of 40,000h • Instant start • Negligible UV output

ALD18-W40 (07230)

Specification

Voltage	220-240Vac 50/60Hz
Current (mA)	82
Rated Power (W)	18
CCT Words	Cool White
CCT (K)	4000
Total Luminous Flux (lm)	2800
Nominal Lifetime (h)	40000
L70B50 Lifetime (h)	60000
L80B10 Lifetime (h)	60000
L90 Lifetime (h)	54000
Blue Light Hazard	RG1
Glow wire temperature(°C)	850
UGR	<19
SDCM of CCT	<6
Flicker %	<1%
Power Factor	0.95
Ambient Temperature Range (°C)	-20 to 40
Weight (kg)	1.6
In-rush current (peak/duration) (A)	50 A / 350 µs
Protection Rating	Class I
IK Rating	IK04
IP Rating	IP20 rear/ IP44 front

Light Source Specification

Lighting Technology Used	LED
Directional / Non Directional (DLS/NDLS)	NDLS
Light Source Cap Type (or other interface)	Connector
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 Consumption in on-mode (kWh/1000H)	17
Energy Efficiency Class	D
Useful Luminous Flux (lm)	2900
Beam Angle correspondence (in 360°/120°/90°)	in 360°
CCT	4000
On-Mode Power (Pon) (W)	17.3
Standby Power (Psb) (W)	0
Networked Standby Power (Pnet) (W)	N/A
CRI	82
CRI (min)	80
CRI (max)	84
Height (mm)	30
Width (mm)	585
Depth (mm)	585
Claim of Equivalent Power? (Y/N)	N
Equivalent Power (W)	N/A
Chromaticity Co-Ordinates (X)	0.380
Chromaticity Co-Ordinates (Y)	0.380
Peak Luminous Intensity (DLS) (cd)	N/A
Beam Angle (DLS)	N/A
Beam Angle (min)(DLS)	N/A
Beam Angle (max) (DLS)	N/A
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 fluorescent 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
Stroboscopic effect metric (SVM) (x,x)	N/A
Light Source Supply	108Vdc 160mA

Optional Gears and Accessories

Optional Gears 1	Emergency kit: EMPAD02
Optional Gears 2	Battery: BAT26LI1
Accessories 1	Suspension kit: SUS04
Accessories 2	Surface mounting: SMT0606
Accessories 3	ALDAG-0606

Technical Drawings

