



Nyos

Nyos 18W Edge-lit circular LED panel downlight, 8 inch, 3000K

The Kosnic Nyos Circular LED Panel is an easy-to-retrofit replacement for downlights. These advanced panels are suitable for all areas, including visually demanding non-transient task areas such as offices and educational premises where users require uniform light to maintain well-being. The Kosnic Circular LED Panel offers Edge-Lit technology to achieve constant light across the surface of the luminaire.

KPNLLS18CF-W30-WHT (06105)

Specification

Voltage (eg 220-240 Vac 50/60Hz)	220-240Vac 50/60Hz
Current (mA)	82
Rated Power (W)	18
CCT Words	Warm White, Cool White, Day Light
CCT (K)	3000, 4000, 6500
Nominal Lifetime (h)	40000
L70B50 Lifetime (h)	50000
L80B10 Lifetime (h)	50000
L90 Lifetime (h)	32000
Total Luminous Flux (lm)	710 (3000k), 780 (4000k/6500k)
Power Factor	0.96
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
Dimensions L x W x D (mm)	27 x 240 ø
Cut-Out (mm)	229
Weight (kg)	0.557
In-rush current (peak/duration) (A)	20.5 / 90 us
Protection Rating	Class II driver, Class III panel
IK Rating	IK04
IP Rating	IP20
Ambient Temperature Range (°C)	-20 to 40
Driver Part Number	CYC017SNL030N
Ripple Current (%)	<10
Output Current (mA)	300
Dimensions (L x W x D) (mm)	102 x 42 x 25
Input Voltage	220-240Vac 50/60Hz
Maximum Input Current (mA)	180
Maximum Power (W)	17

Output Voltage (Vdc)	50-55Vdc
Maximum Case Temperature (°C)	-20 to 50
Depth (mm)	10

Light Source Specification

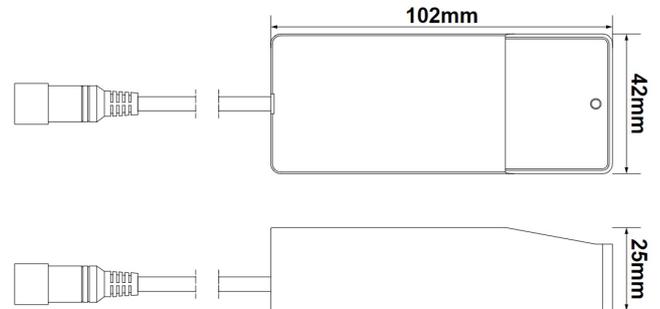
Lighting Technology Used	LED
Directional / Non Directional (DLS/NDLS)	NDLS
Light Source Cap Type (or other interface)	Connector
Mains / Non-Mains (MLS/NMLS)	NMLS
Connected Light source (Y/N)	N
Colour Tunable Light Source (Y/N)	N
High Luminance Light Source (Y/N)	N
Anti-Glare Shield (Y/N)	N
Dimmable (Y/N/Specific dimmer)	N
Energy Consumption in on-mode (kWh/1000H)	16
Energy Efficiency Class (NEW FORMULA)	F
Useful Luminous Flux (lm)	1890 (3000k), 1970 (4000k/6500k)
Beam Angle correspondence (in 360°/120°/90°)	360
CCT	3000k, 4000k, 6500k
On-Mode Power (Pon) (W)	16
Standby Power (Psb) (W)	0
Networked Standby Power (Pnet) (W)	N/A
CRI	82
Height (mm)	206
Width (mm)	206
Depth (mm)	10
Chromaticity Co-Ordinates (X)	0.440 (3000k), 0.380 (4000k), 0.310 (6500k)
Chromaticity Co-Ordinates (Y)	0.403 (3000k), 0.380 (4000k), 0.336 (6500k)
Peak Luminous Intensity (DLS) (cd)	N/A
Beam Angle (DLS)	N/A
R9 CRI (LED/OLED)	10 (3000k), 12 (4000k), 14 (6500k)

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

Optional Gears and Accessories

Accessories 1	Dimmable driver CYC030TDC30-96
Accessories 2	Emergency module UEM08
Accessories 3	Self-test Emergency module UEM02/ST

Technical Drawings



18W – 3000K

