

# Nyos Pro

08101 NYOP4IN06-SCT

## Nyos Pro circular panel downlight 4 inch 4.5-6W CCT switchable

- Switchable CCT
- Ultra slim profile
- IP44 when recessed mounted
- Flicker free
- Optional DALI, 1-10V (0-10V) driver
- Loop-in & loop-out push wire connector is included



### Overview

Nyos Pro Circular LED Panel is an easy-to-retrofit replacement for downlights with wattage and CCT switchable options. This edge-lit panel is 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.



**IP44**



### General Information

|                                |               |
|--------------------------------|---------------|
| Ambient Temperature Range (°C) | -20°C to 50°C |
| IK Rating                      | IK02          |
| IP Rating                      | IP44          |
| Protection Rating              | Class III     |
| Installation Area              | Internal      |
| L80B10 Lifetime (h) @Ta 25 °C  | 47,000 h      |

### Compliance

|        |   |
|--------|---|
| LVD    | EN 60598-1:2024, EN 60598-2-2:2012  |
| EMC    | EN 55015:2019+A11:2020, EN 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 61547:2023 |
| Others | UKCA, CE, RoHS, WEEE  |

### Technical Summary

|                                    |                     |
|------------------------------------|---------------------|
| Product Code                       | NYOP4IN06-SCT       |
| Input Voltage Supply               | 220-240Vac 50/60Hz  |
| Inrush Current (peak/duration) (A) | 2.7A/60µs           |
| Settable Wattages                  | 4.5W, 6W            |
| Driver Code/Part number            | DR05C1014           |
| Driver Maximum Power (W)           | 5.2                 |
| Driver Output Current (mA)         | 100/145             |
| Power Factor                       | 0.93                |
| Driver Power Factor                | 0.8                 |
| Settable Colour Temperatures       | 3000K, 4000K, 6000K |
| SDCM of CCT                        | <6                  |
| CRI                                | 82                  |
| Dimmable                           | N                   |
| Flicker                            | <5%                 |
| Lumens Output Maximum              | 750 lm              |
| Maximum Efficiency                 | 127 lm/W            |
| Emergency Luminous Flux            | 400 lm              |
| L70B50 Lifetime (h) @Ta 25 °C      | 73,000 h            |
| L80B10 Lifetime (h) @Ta 25 °C      | 47,000 h            |
| L90B10 Lifetime (h) @Ta 25 °C      | 23,000 h            |
| Nominal Lifetime (h)               | 50,000 h            |
| Glow wire temperature(°C)          | 650                 |
| Blue Light Hazard                  | RG1                 |
| Weight                             | 0.231Kg             |
| Dimensions (L x W x D) (mm)        | 19xØ120             |
| Cut-Out (mm)                       | Ø100                |
| Beam Angle - Lumi (°)              | 100                 |
| LS Energy Efficiency Class         | E                   |

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## Optional Gear

| Product Code | Description  | Type                       |
|--------------|--|----------------------------|
| DRC20/DA     | Dimmable Driver: 20W DALI2 primary push dim driver | Dimmable Driver            |
| UEM03        | Universal Emergency Module 3W                      | Emergency Module           |
| UEM03/ST     | Universal Emergency Module 3W Self Test            | Self-test Emergency Module |
| EMPAD01      | Neka Emergency Downlight kit 2.5W Manual test      | Emergency Module           |
| EMPAD01/ST   | Neka Emergency Downlight kit 3.5W Self-test        | Self-test Emergency Module |

## Overview

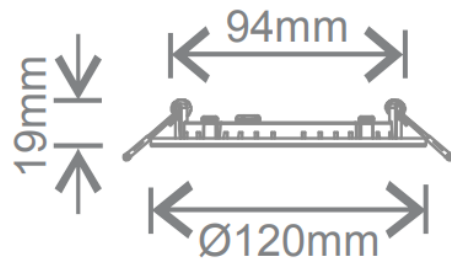
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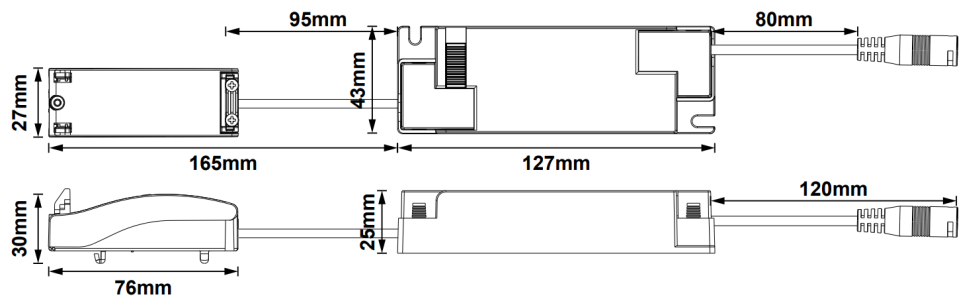
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| Installation Area              | Internal      |

| Rated Power (W) | Current (mA) | CCT (k) | Total Lumen (lm) |
|-----------------|--------------|---------|------------------|
| 4.5             | 22           | 3000    | 520              |
| 4.5             | 22           | 4000    | 570              |
| 4.5             | 22           | 6000    | 570              |
| 6               | 28           | 3000    | 690              |
| 6               | 28           | 4000    | 750              |
| 6               | 28           | 6000    | 750              |



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