

# LED Downlight ND204S-207S

## 9W/11W/15W/20W/22W

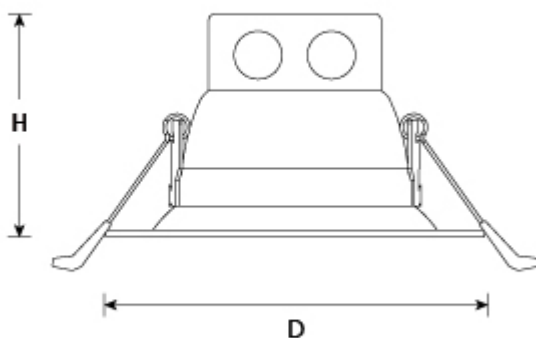
### Features

- 9W / 11W / 15W / 20W / 22W LED Downlight
- Selectable wattage via dip-switch
- Inventory cost saving
- Recessed round, uniform distribution
- Comfort glare-free diffuser
- Ideal replacement up to 2x26W compact fluo. downlight
- Metal box with Ø20mm knockout facilitates conduit mounting
- Integral gear unit allows quick and easy installation
- Cut out diameters Ø110mm / Ø140mm / Ø190mm
- Color Rendering Index: ≥80



### Diagrams

Dimensions:

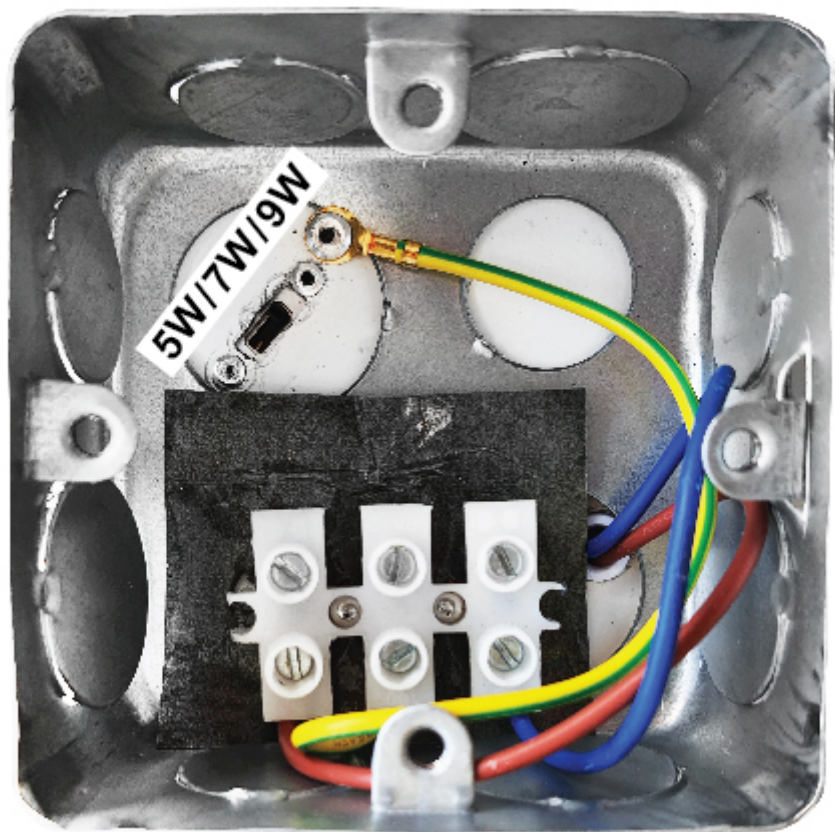


| (Unit : mm)   | (D)  | (H)  | Cut Out Dimensions |  |
|---------------|------|------|--------------------|--|
| <b>ND204S</b> | Ø140 | x 83 | Ø110               |  |
| <b>ND205S</b> | Ø180 | x 85 | Ø140               |  |
| <b>ND207S</b> | Ø220 | x 85 | Ø190               |  |

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Dip-switch:



Standards

CE



IP20

Applications

-   
Home
-   
Office
-   
Shopping mall
-   
Hotel
-   
Supermarket
-   
Restaurant
-   
Hospital

| Technical Data                            |     |
|-------------------------------------------|-----|
| Type of Light Source                      |     |
| Lighting Technology Used                  | LED |
| Non-directional or Directional [NDLS/DLS] | DLS |

|                                                  |                                                           |
|--------------------------------------------------|-----------------------------------------------------------|
| Mains or Non-mains [MLS/NMLS]                    | MLS                                                       |
| Connected Light Source                           | No                                                        |
| Color tunable light source                       | No                                                        |
| Envelop [No/Second/Non-Clear]                    | No                                                        |
| High Luminance Light Source                      | No                                                        |
| Anti-glare Shield                                | No                                                        |
| <b>Electrical</b>                                |                                                           |
| Rated Wattage [W]                                | 9W / 11W / 15W / 20W / 22W                                |
| On-mode Power [W]                                | 9W / 11W / 15W / 20W / 22W                                |
| Standby Power [W]                                | N/A                                                       |
| Networked Standby Power [W]                      | N/A                                                       |
| Rated Voltage [V/Hz]                             | 220-240V, 50/60Hz                                         |
| Power Factor                                     | 0.5                                                       |
| Input Current [mA] @230V                         | 78 / 96 / 130 / 174 / 191                                 |
| <b>Model</b>                                     |                                                           |
| ND204S-9W/8XX                                    | 5W / 7W / 9W                                              |
| ND204S-11W/8XX                                   | 5W / 8W / 11W                                             |
| ND205S-15W/8XX                                   | 9W / 12W / 15W                                            |
| ND205S-20W/8XX                                   | 10W / 15W / 20W                                           |
| ND207S-22W/8XX                                   | 10W / 15W / 22W                                           |
| <b>Luminous Flux (Useful Luminous Flux) [lm]</b> |                                                           |
| 5W                                               | 425lm (410lm) @3000K/4000K/6500K                          |
| 7W                                               | 590lm (575lm) @3000K/4000K/6500K                          |
| 8W                                               | 660lm (640lm) @3000K/4000K/6500K                          |
| 9W                                               | 760lm (740lm) @3000K/4000K/6500K                          |
| 10W                                              | 825lm (800lm) @3000K/4000K/6500K                          |
| 11W                                              | 900lm (875lm) @3000K/4000K/6500K                          |
| 12W                                              | 965lm (935lm) @3000K/4000K/6500K                          |
| 15W                                              | 1200lm (1165lm) @3000K/4000K/6500K                        |
| 20W                                              | 1555lm (1510lm) @3000K/4000K/6500K                        |
| 22W                                              | 1730lm (1680lm) @3000K/4000K/6500K                        |
| <b>Performance</b>                               |                                                           |
| SCDM                                             | <6                                                        |
| Chromaticity coordinates [x, y]                  | 0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.312, 0.335@6500K |
| Efficacy [lm/W]                                  | 76-82                                                     |
| Color Rendering Index [Ra]                       | ≥80                                                       |
| R9 colour rendering index value                  | 2                                                         |
| Beam Angle [°]                                   | 90                                                        |
| Rated Life, Ta@25°C [hrs]                        | 50,000                                                    |
| Lamp Survival Factor                             | 0.9                                                       |
| Lumen Maintenance                                | 0.96                                                      |
| Number of Switching Cycles Before Failure        | 25,000                                                    |
| Starting Time [S]                                | <0.5                                                      |

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|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Warm Up Time [S]                             | <2                                         |
| Premature Failure At 1000hrs                 | <5%                                        |
| Displacement Factor [cosØ]                   | 0.5 / 0.7 / 0.7 / 0.7 / 0.7                |
| Flicker Metric [Pst LM]                      | 1                                          |
| Stroboscopic Effect Metric [SVM]             | 0.4                                        |
| Mechanical                                   |                                            |
| Diameter D [mm]                              | 140 / 140 / 180 / 180 / 220                |
| Height H [mm]                                | 83 / 83 / 85 / 85 / 85                     |
| Cut out dimensions [mm]                      | Ø110 / Ø110 / Ø140 / Ø140 / Ø190           |
| Material                                     | Body: Die-cast aluminium with white finish |
| Standard Compliance                          |                                            |
| CE-LVD                                       | EN60598-1, EN60598-2-2                     |
| CE-EMC                                       | EN55015, EN61547, EN61000-3-2, EN61000-3-3 |
| Environment                                  | RoHS                                       |
| Mercury Content [mg]                         | 0.0                                        |
| Energy Class                                 | F                                          |
| Electrical Class                             | I                                          |
| Other                                        |                                            |
| Dimmable [Yes/Only with specific dimmers/No] | No                                         |
| Operation Temperature                        | -10°C ~ 50°C                               |
| Storage Temperature                          | -10°C ~ 30°C                               |
| Energy Consumption in on-mode [kWh/1000h]    | 9kWh / 11kWh / 15kWh / 20kWh / 22kWh       |