

Essential SmartBright LED Downlight

DN028B

Mounting Instruction

V1.0


AS/NZS
60598

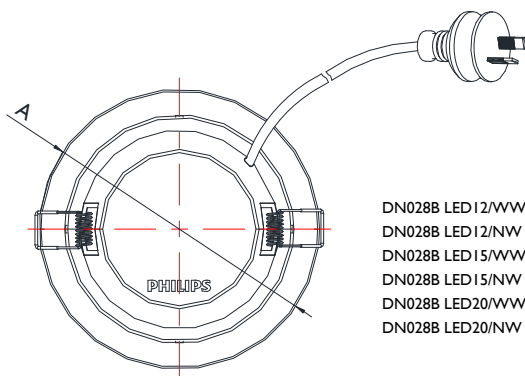
IP20

$t_a 25^{\circ}\text{C}$



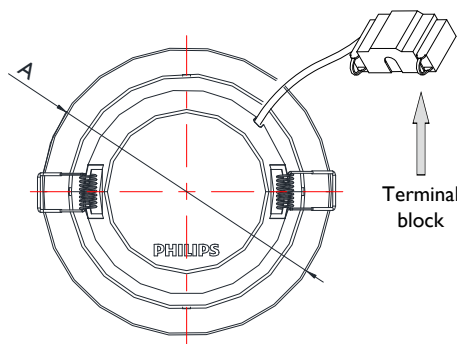
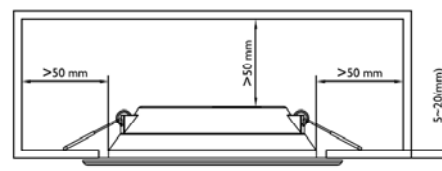
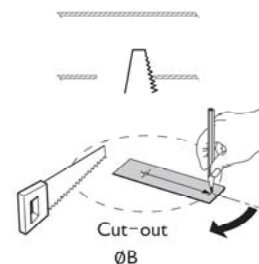
Indoor
use only

Product Type	CCT (K)	Power (W)	LEDs	Lumen Output (lm)		Ø A (mm)	Ø B Cut out (mm)	Voltage	Frequency
DN028B LED12/WW PSU II D150 CAU	3000	15	58	1200	0.37	Ø175	150~155	220-240V~	50/60Hz
DN028B LED12/NW PSU II D150 CAU	4000								
DN028B LED15/WW PSU II D175 CAU	3000	18	81	1500	0.44	Ø200	175~180		
DN028B LED15/NW PSU II D175 CAU	4000								
DN028B LED20/WW PSU II D200 CAU	3000	23	112	2000	0.54	Ø225	200~205		
DN028B LED20/NW PSU II D200 CAU	4000								
DN028B LED8/WW PSU II D90 TB	3000	10	40	800	0.2	Ø115	90~95		
DN028B LED8/NW PSU II D90 TB	4000								
DN028B LED8/WW PSU II D125 TB	3000	10	46	800	0.31	Ø150	125~130		
DN028B LED8/NW PSU II D125 TB	4000								



DN028B LED12/WW PSU II D150 CAU
DN028B LED12/NW PSU II D150 CAU
DN028B LED15/WW PSU II D175 CAU
DN028B LED15/NW PSU II D175 CAU
DN028B LED20/WW PSU II D200 CAU
DN028B LED20/NW PSU II D200 CAU

Unit: mm

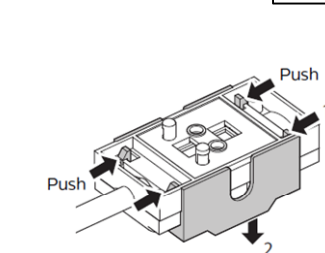


Terminal
block

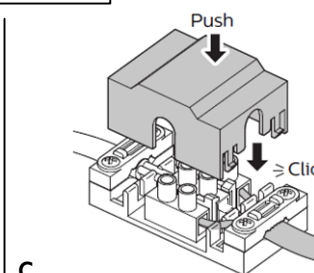
DN028B LED8/WW PSU II D90 TB
DN028B LED8/NW PSU II D90 TB
DN028B LED8/WW PSU II D125 TB
DN028B LED8/NW PSU II D125 TB

Unit: mm

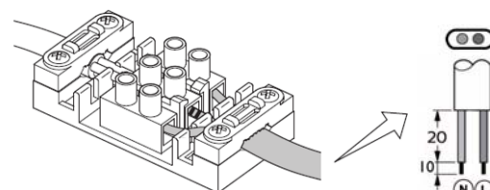
Terminal block



a



c



b

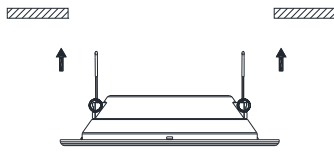
Essential SmartBright LED Downlight

DN028B

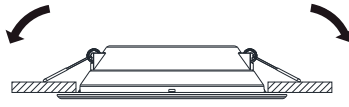
Mounting Instruction

V1.0

Recessed Mounting



1



2

HCB – Height clearance to building element

SCB – Side clearance to building element

RISK OF FIRE – Required clearance from structural members and building elements

SCB=50mm HCB=50mm

Model	Run Current (A) (@230V)	Start (Inrush) Current(A) / Ipeak (A)	Start Current Duration (μs) / T(@50% of Ipeak) (μs)	* Touch current or protective conductor current (mA)	Maximum Number of Luminaire on MCB 16A Type B (pcs)	Maximum Number of Luminaire on MCB 16A Type C (pcs)
DN028B LED12/WW PSU II D150 CAU	0.08	15	158	<0.7	45	74
DN028B LED12/NW PSU II D150 CAU	0.08	15	158	<0.7	45	74
DN028B LED15/WW PSU II D175 CAU	0.1	16	219	<0.7	33	55
DN028B LED15/NW PSU II D175 CAU	0.1	16	219	<0.7	33	55
DN028B LED20/WW PSU II D200 CAU	0.13	16	219	<0.7	33	55
DN028B LED20/NW PSU II D200 CAU	0.13	16	219	<0.7	33	55
DN028B LED8/WW PSU II D90 TB	0.06	15	158	<0.7	45	74
DN028B LED8/NW PSU II D90 TB	0.06	15	158	<0.7	45	74
DN028B LED8/WW PSU II D125 TB	0.06	15	158	<0.7	45	74
DN028B LED8/NW PSU II D125 TB	0.06	15	158	<0.7	45	74

The leakage current *(touch current or protective conductor current) of electrical circuit may be greatly dependent upon electrical supply cables used such as its rating and length, proper connection of electrical supply cables to luminaires and wiring connection topology of luminaires to the supply electrical circuit amongst other site conditions.

* In some cases referred to as Earth Leakage Current.

Please read this manual carefully before using the product.

1. Do not switch on before complete installation.
2. The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
3. The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
4. Building insulation abutting or within 100mm horizontally of the luminaire must meet the following requirements:
 - a) Be of a type that can maintain its dimensions and structural integrity when exposed to the maximum surface temperatures of the class of luminaire, being 90°C.
 - b) Be of a type able to withstand a 30 second needle flame test carried out in accordance with AS/NZS 60695.11.5 with the flame applied to all surfaces of the test sample
5. The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
6. The luminaire is complied with AS/NZS 60598.2.2.
7. Luminaire must not be used or stored in corrosive environment where hazardous materials such as Sulphur, Chlorine, phthalates, etc, are present.
8. Risk of overheating or fire if the clearance distances are compromised.
9. This product complies with the IC-F rating as per AS/NZS 60598.2.2. Care should be taken at installation to allow adequate air flow for optimum lifetime performance.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.