



Electrical Parameters

Input Voltage	220 to 240V
Power Usage	12W
Driver Type	LED Driver Zigbee 3.0
Driver Model	NSD12W
Safety Mark License	220070-11

Lighting & Optical

LED Source	OSRAM SMD LED Chips
Light Colour	2200K to 6500K
Standard Beam Angle	≥90°
Colour Rendering Index (CRI)	Typ: ≥80Ra (2200K) Up to: ≥92Ra Typ: ≥90Ra (6500K) Up to: ≥94Ra
Luminous Flux (lm)	670 lm (2200K) White housing 950 lm (6500K) White housing 570 lm (2200K) Black housing 790 lm (6500K) Black housing
Standard Deviation of Colour Matching (SDCM)	<6 MacAdam Steps
LED Source Brand	OSRAM

Hardware Specifications & Dimensions (mm)

Dimensions	
Downlight	ø103 x H50
Driver	L111 x W42 x H25
Housing Material	Aluminium
Driver Material	Polycarbonate
Diffuser Material	Frosted Polystyrene (PS)
Finishing	White / Black
Ingress Protection Code	IP20
Hole Cutout	ø90
Product Weight	233g (w/o packaging)
Lifespan	20,000 hours

Compatibility

Protocol	Zigbee 3.0
Integration Services	Google Assistant
	Amazon Alexa
	Samsung SmartThings
	Apple HomeKit*
	*Near Apple HomeKit Hub Required
Zigbee Hub Required	Yes (Not included)
	Works with Near Hub Air
	Works with Near Zigbee Hub (HomeKit)
Smartphone Operating System	Android 4.0+
	iOS 8.0+

Certification

Warranty	2 Years Standard Warranty
Compliance	Singapore Safety Mark
	TUV-SUD CB Certificate
	IMDA Approved
	CE, ROHS