

Functional Down light Essential - 44083

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PHILIPS

44083

Highlights

- Higher light efficacy: higher lumen output with lower wattage
- Synthetic PBT housing: excellent performance on high temperature and heat resistance
- 15,000 hr. of life time, 15 times longer than incandescent light source
- Energy saving: up to 80% over incandescent light
- Easy to install integrated driver with connector
- Low- glare diffuser
- No harmful UV radiation which keep the true colors of objects and interior.
- Screw-free terminal block: click-fit connector cap for easy and safe installation

Design



Overview

Specifications	
Size	4 inch cut out(120 mm)
Housing / Heat sink	Synthetic PBT
Finish	Satin White finish
Diffuser	Textured Poly Carbonate
Terminal block	Class 2
Average Lumen output	4": 580lm
System lifetime	Up to 15,000 hrs
Beam angle	100
Operating voltage	100V ~ 240V
System wattage	9W

Overview

12NC	Model	CCT	Lumen	lum/w	Voltage	Cut-out	dimension
915005093901	44083 27K 4 LED 9W	2700	548	60	100-240	Φ120mm	Φ135xH63
915005094101	44083 65K 4 LED 9W	6500	600	67	100-240	Φ120mm	Φ135xH63



Philips
LED down light

4408 series

Essential

Long life LED light source

Low glare diffuser

Easy to install

ENERGY SAVING


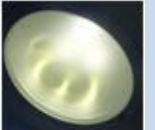







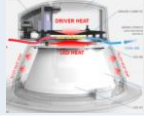
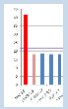


General Specs

Application	Down light
Color	White
Material	Synthetics (PBT)
Lamp base & wattage (Color temperature)	LED 9W 2700K, 6500K
Dimensions (L X W X H)mm	135 x 135 x 63mm (φ120)



Benchmarking

	Philips	Competitors
Bright diffused light	 <ul style="list-style-type: none"> • Up to 93% light efficiency after diffuser • High quality PC diffuser with UV resistance. • Low glare from quality diffuser 	 <ul style="list-style-type: none"> • Uneven light output • Large light loss • Prone to be yellowish as no anti UV treatment
Long life LED lighting	 <ul style="list-style-type: none"> • Philips quality approved LED light source ensures durable performance. 	 <ul style="list-style-type: none"> • Unclear clarification on LED light source leads to poor quality. • Early failure.
Easy installation with plug & plug connector	 <ul style="list-style-type: none"> • Integrated driver simplifies the connection and installation. • Driver integration helps guarantee the original optimal fixture performance. 	 <ul style="list-style-type: none"> • Installation hassle • The separate drivers could be replaced with disqualified ones. • Dangerous for power shock
Good color rendering index performance	 <ul style="list-style-type: none"> • CRI 80 LED light source reveals the colors of objects faithfully in comparison with an ideal or natural light source.. 	<ul style="list-style-type: none"> • Poor CCT rendering index lead to lifeless colors. • Obvious color drifting effects.
Durable performance	 <ul style="list-style-type: none"> • Die casting housing, solid and tough finishing & protection. • Ribs on side accelerate heat dissipation. • Safe operation temperature as per CB test standards. 	 <ul style="list-style-type: none"> • Poor appearance with spinning or extrusion housing treatment. • Neglecting invisible rear heat sink, sacrificing quality to lower selling price. • Early failure from poor system design.
Superior heat management	 <ul style="list-style-type: none"> • Manage the heat emission well, keep low temperature for better performance and longer lifetime. 	<ul style="list-style-type: none"> • High temperature leads shorten the lifetime and low brightness
Noise control	<ul style="list-style-type: none"> • Philips standard is below 24db • Internal test result: 18.2db for 2.5' 	 <ul style="list-style-type: none"> • 3.5' NVC more than 40db, 2.5' Oppel 30db.

