



LED Downlight
ESTRELLA 269A/B Series



Introduction

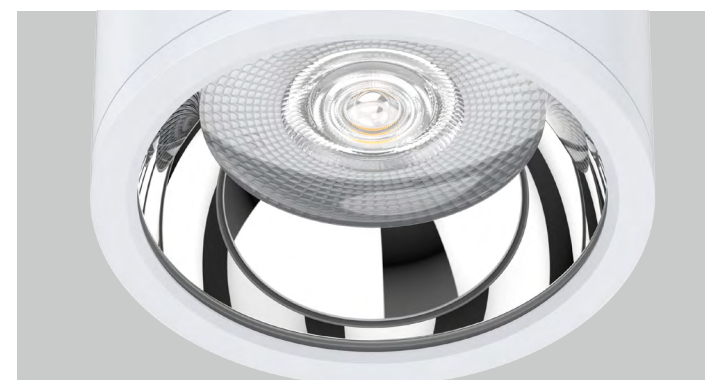
Estrella 269 surface mounted downlight has a variety of size options, as well as a faceted and specular reflector design for different optic reflection. Screw-less on the surface and tempered glass in front part, offers a aesthetically pleasing appearance and high protection level as well as convenient installation. Two options for optic combination: Type A COB LED chip+lens+reflector, Type B SMD LED chip+diffuser+reflector.

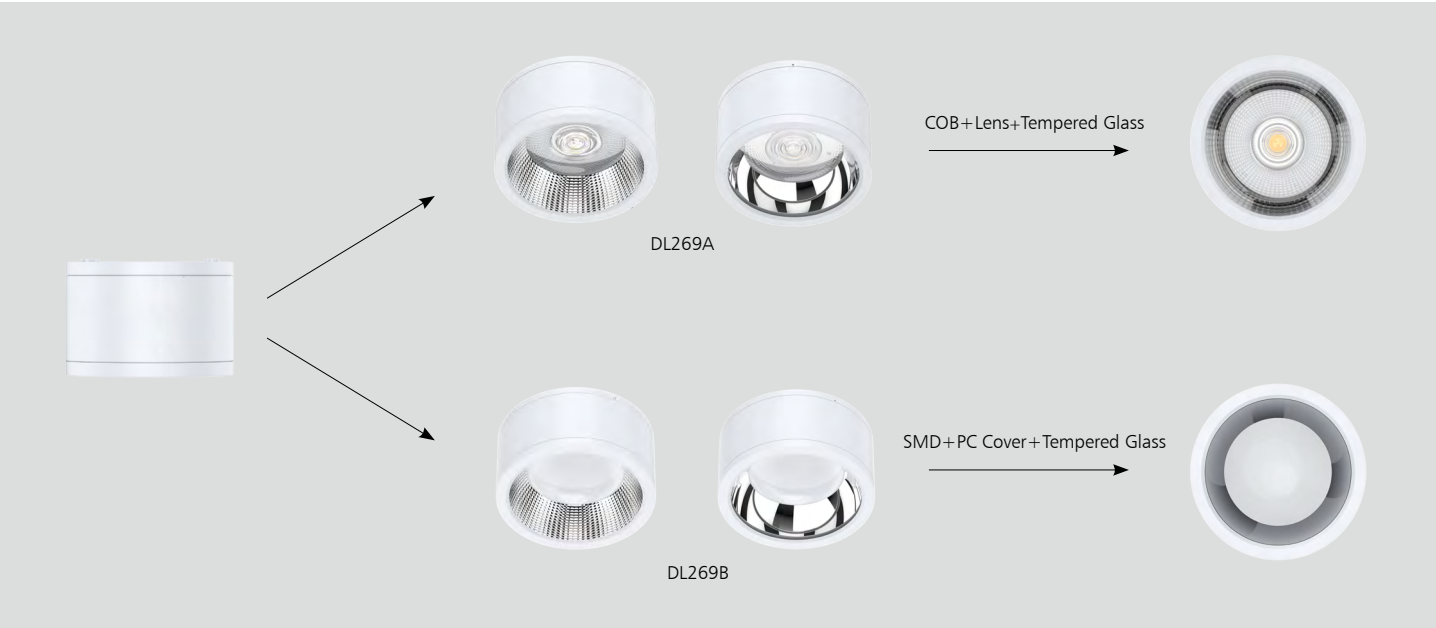
Features

- Faceted and Specular reflector options.
- IP65 waterproof, IK08 protection level.
- Type A COB version is UGR<19, with 24°/36°/60° lens options.
- Type B SMD version: Interchangeable CCT available, 3000K+4000K+5700K with slide switch.
- Size options: 3inches/5inches/6inches/8inches/10inches.
- Internal flicker free driver.
- Triac dimming/DALI dimming available (Do not include 3 inch) .

Application Areas

It is designed for general lighting applications in Retails, conference rooms, hotels, restaurants, Foyers, corridors, and living spaces, etc...





Technical Data Sheet(1)

Code No.			SM090N/10**269A/B SM090N/15**269A/B SM130N/18**269A/B SM130N/25**269A/B SM160N/25**269A/B SM160N/18**269A/B					
Dimension(mm)			Ø90*H107		Ø130*H115		Ø160*H110	
Cutout (mm)			-					
Watt(W)			10W	15W	18W	25W	25W	30W
Rated Input Voltage(V)			AC220-240V					
Input Voltage(V)			AC220-240V					
LED Module Input			-					
Light Source			SMD2835/COB					
SDCM			SMD2835 SDCM≤6 / COB SDCM≤4(Overall)					
CCT(K)			(COB A 1-CCT:2700K/3000K/4000K/5000K) (SMD B 1-CCT:3000K/4000K/5000K/5700K) 3-CCT: 3000K + 4000K + 5700K					
CCT Selection DIP Switch			YES					
Luminous Flux (lm) ±5%	Non-DIM	1-CCT (DL269A/B)	900-1100	1300-1600	1700-1900	2300-2500	2300-2500	2200-3000
	DIM		850-1050	-	1600-1800	2100-2400	2100-2400	2100-2800
	Non-DIM	3-CCT (DL269B)	850-1100	1000-1200	1600-1800	2100-2400	2100-2400	2100-2700
	DIM		800-1000	-	1500-1750	2000-2300	2000-2300	2100-2600
CRI			80					
Beam Angle (°)			DL269A (24°36°60°) DL269B 75°					
UGR	DL269A		<19	<22	<19	<19 (60°<22)		<19
	DL269B		<25					
LED Driver			Built-in					
Dimming Option			Triac/ DALI (NO 3 inch, 5 inch 25W)					
Sensor			NO					
Emergency Kits			NO					
Electrical Class			Class I					
Ingress Protection (IP Rating)			IP65					
Impact Resistance (IK Rating)			IK08					
Product Finishing(Base)			White RAL 9016 / Black RAL 9005					
Materials of Optics			PC+Glass					
Materials of Housing			Die-casting					
Lifetime (hr)			> 50000H					
Glow wire test (°C)			NO					
Operating Temp. (°C)			-20°C ~45°C					
Storage Temp. (°C)			-20°C ~65°C					
Installation			Surface mount					

Color changeable

WW NW CW

24°

36°

60°

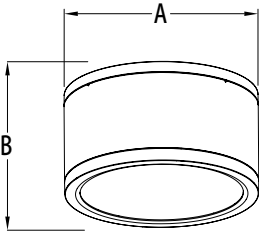
75°

IP65

PF 0.9

CRI ≥80

50000 HOURS



Measurement

Code	Dimension(mm)		Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
269A/B-3	90	107	Ø90*H70	0.6	0.646	11.6	12.2	36.5x24.5x46	18	12690	28620
269A/B-5	130	115	Ø130*H115	0.92	1.01	12.1	12.8	50x33.5x32	12	6168	14700
269A/B-6	160	110	Ø160*H110	1.18	1.313	7.9	8.4	40x20.5x45.5	6	4620	10386
269A/B-8	214	119	Ø214*H119	2.2	2.48	14.9	15.6	51.5x26x49	6	2376	5568
269A/B-10	250	125	Ø250*H125	2.8	3.18	12.7	13.5	61x31x36	4	1588	3724

Technical Data Sheet(2)

Code No.			SM214N/25**269A/B	SM214N/35**269A/B	SM250N/35**269A/B	SM250N/40**269A/B	SM250N/45**269A/B
Dimension(mm)			Ø214*H119		Ø250*H125		
Cutout (mm)			-				
Watt(W)			25W	35W	35W	40W	45W
Rated Input Voltage(V)			AC220-240V				
Input Voltage(V)			AC220-240V				
LED Module Input			-				
Light Source			SMD2835/COB				
SDCM			SMD2835 SDCM≤6 / COB SDCM≤4(Overall)				
CCT(K)			(COB A 1-CCT:2700K/3000K/4000K/5000K) (SMD B 1-CCT:3000K/4000K/5000K/5700K) 3-CCT: 3000K + 4000K + 5700K				
CCT Selection DIP Switch			YES				
Luminous Flux (lm) ±5%	Non-DIM	1-CCT (DL269A/B)	2300-2500	3300-3500	3300-3500	3800-4200	4200-4600
	DIM		2100-2400	3000-3400	3150-3400	3700-4000	4000-4500
	Non-DIM	3-CCT (DL269B)	2100-2400	3100-3300	3100-3300	3600-4100	4200-4500
	DIM		2000-2300	2800-3200	3100-3300	3500-4000	4100-4400
CRI			80				
Beam Angle (°)			DL269A (24°36°60°)DL269B 75°				
UGR	DL269A	<19					
	DL269B	<25					
LED Driver			Built-in				
Dimming Option			Triac/ DALI				
Sensor			NO				
Emergency Kits			NO				
Electrical Class			Class I				
Ingress Protection (IP Rating)			IP65				
Impact Resistance (IK Rating)			IK08				
Product Finishing(Base)			White RAL 9016 / Black RAL 9005				
Materials of Optics			PC+ Glass				
Materials of Housing			Die-casting				
Lifetime (hr)			> 50000H				
Glow wire test (°C)			NO				
Operating Temp. (°C)			-20°C ~45°C				
Storage Temp. (°C)			-20°C ~65°C				
Installation			Surface mount				

Driver Datasheet (Non-dimmable)

Total load wattage		10W	15W	18W	25W	30W	35W	40W	45W
Output	Output Voltage range	DC30-40V							
	Rated output current	230mA	350mA	450mA	600mA	800mA	860mA	1000mA	1100mA
	Line Regulation	±5%							
	Setup, Rise Time	<0.5S @230V							
	Flickering Index	1% ; IEEE1789 NO RISK							0.5%(NO RISK)
Input	Input Voltage	AC180-265V							AC200-264V
	Rated Input Voltage(V)	AC200-240V							AC220-240V
	Frequency	50/60HZ							
	Input Current	0.07A	0.1A	0.12A	0.16A	0.2A	0.23A	0.25A	≤0.25A
	Rated Input Current	0.06A	0.09A	0.1A	0.14A	0.18A	0.21A	0.23A	≤0.23A
	Power Factor	0.9							
	THD	<20% @230V							
	Efficiency	≥82%	≥84%	≥85%	≥86%				≥88%
Protection	No load wattage	<0.5W @230V							
	Short circuit protection	Pass							
	Over voltage protection	Pass							
	Over temperature protection	Pass							
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S							
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω							
	Surge	IEC61000-4-5(P<25W;L-N:500V,L/N-PE:1KV)			IEC61000-4-5(P ≥ 25W;L-N:1KV,L/N-PE:2KV)				
	EMC Emission	EN55015, EN61000-3-2							
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547							

Driver Datasheet (Triac Dimming)

Total load wattage		10W	18W	25W	30W	35W	40W	45W
Output	Output Voltage range	DC30-40V						
	Rated output current	230mA	440mA	580mA	720mA	800mA	950mA	1050mA
	Line Regulation	±5%						
	Setup, Rise Time	<0.5S						
	Flickering Index	5.5%(LOW RISK)						
Input	Input Voltage	AC200-240V						
	Rated Input Voltage(V)	AC230V						
	Frequency	50HZ						
	Input Current	0.06A	0.1A	0.14A	0.17A	0.2A	0.23A	0.25A
	Rated Input Current	0.05A	0.09A	0.13A	0.15A	0.17A	0.2A	0.22A
	Power Factor	0.9						
	THD	<20% @230V						
	Efficiency	≥80%	≥83%			≥85%		
	No load wattage	<1W						
Protection	Short circuit protection	Pass						
	Over voltage protection	Pass						
	Over temperature protection	Pass						
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac,<5mA 60S; I/P-FG:1.6KVac,<5mA 60S; O/P-FG:0.5KVac,<5mA 60S						
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω						
	Surge	C61000-4-5(L-N:0.5KV;L/N-PE:1KV)			IEC61000-4-5(L-N:1KV;L/N-PE:2KV)			
	EMC Emission	EN55015, EN61000-3-2						
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547						

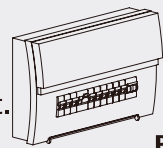
Driver Datasheet (DALI Dimmable)

Total load wattage		10W	18W	25W	30W	35 W	40W
Output	Output Voltage range	DC30-40V					
	Rated output current	250mA	400mA	700mA	800mA	900mA	1000mA
	Line Regulation	±8%	±5%				
	Setup, Rise Time	<0.5S					
	Flickering Index	5.5%					
Input	Input Voltage	AC220-240V					
	Rated Input Voltage(V)	AC230V					
	Frequency	50-60HZ					
	Input Current	0.06A	0.08A	0.13A	0.16A	0.18A	0.21A
	Rated Input Current	0.05A	0.08A	0.13A	0.15A	0.17A	0.2A
	Power Factor	0.9					
	THD	<25% @230V					
	Efficiency	79%		84%			
	No load wattage	<0.5W					
Protection	Short circuit protection	Pass					
	Over voltage protection	Pass					
	Over temperature protection	Pass					
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac,<5mA 60S; I/P-FG:1.6KVac,<5mA 60S; O/P-FG:0.5KVac,<5mA 60S					
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω					
	Surge	IEC61000-4-5 L-N-PE:2KV					
	EMC Emission	EN55015, EN61000-3-2					
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547					

■ Installation Procedure

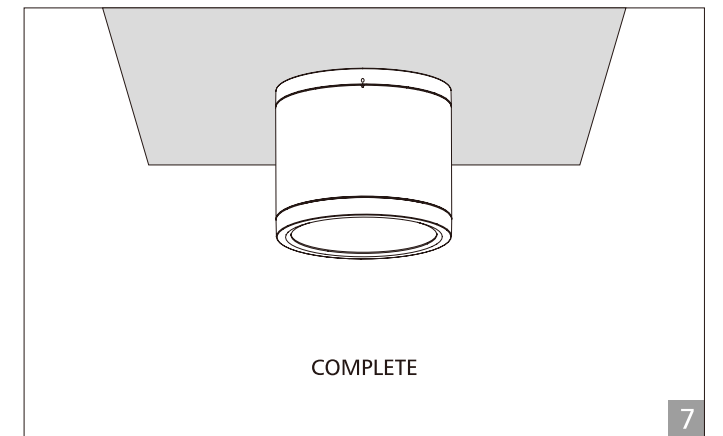
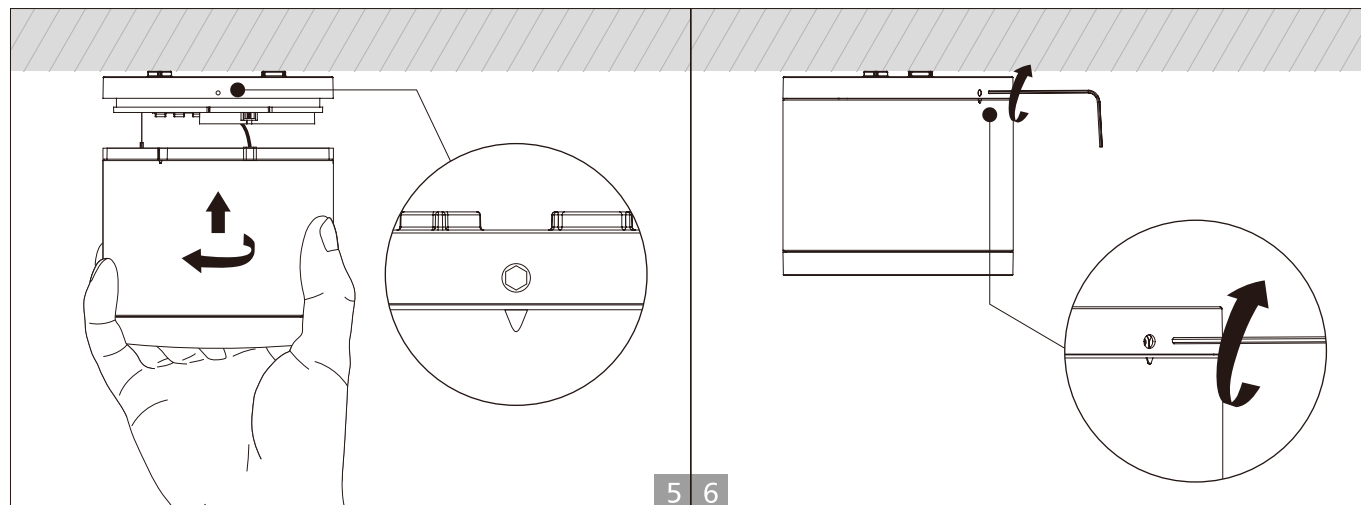
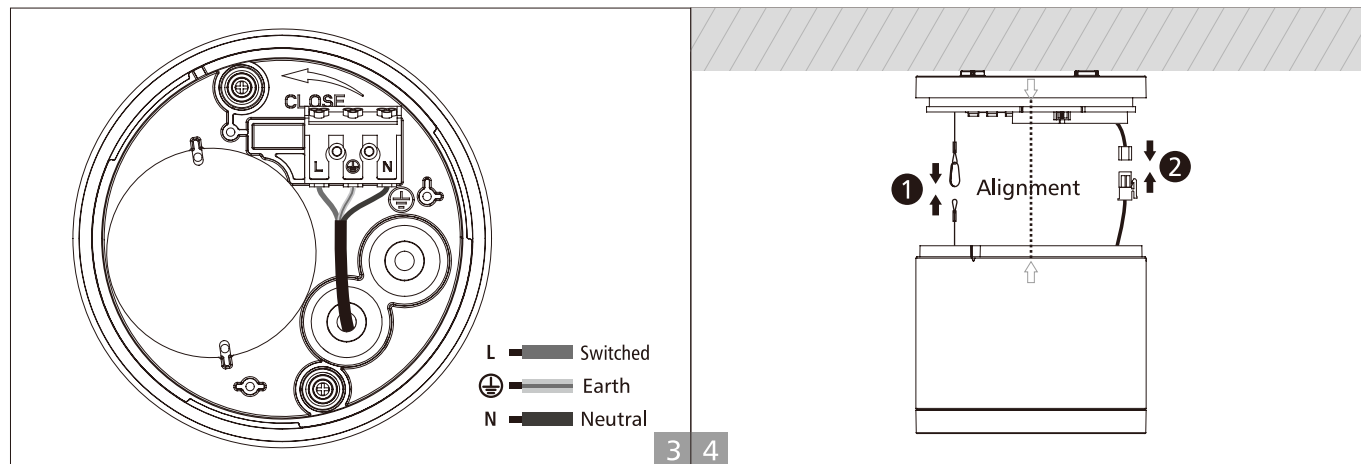
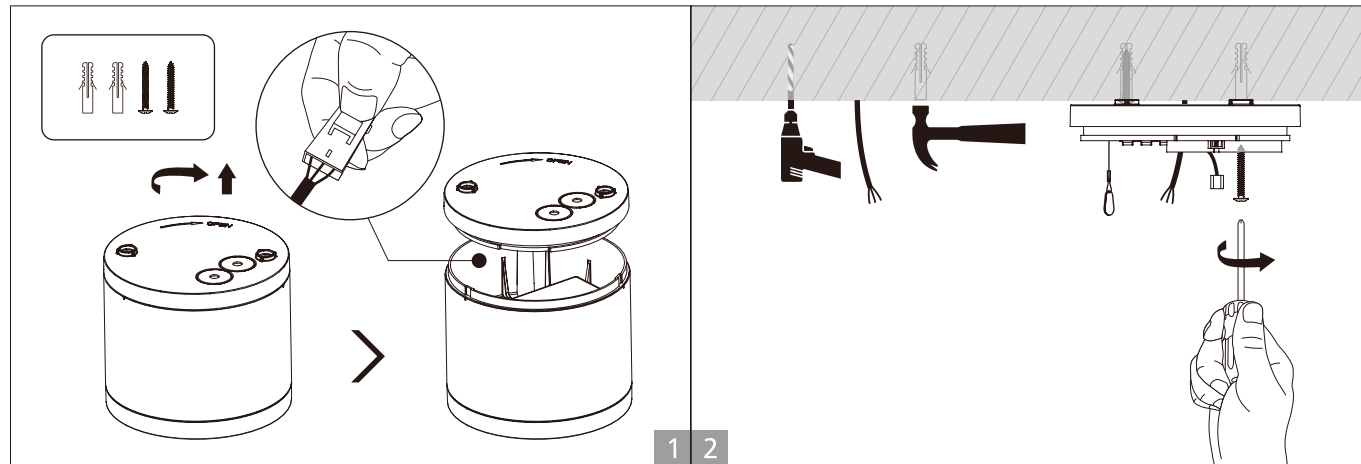
WARNING ⚡

1. Switch off power supply before installation / maintenance.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



Turn Off
Power Supply

■ Rotating surface mounted installation





The Professional Choice in LED Lighting

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