

# Downlight Series



The Estrella (large star) and Pollux (mini star) ranges are carefully selected to suit architectural variety, quality and cost competitiveness. The range of downlights are both aesthetically pleasing and designed to be robust in application. The Estrella and Pollux ranges have products suitable for wet conditions, varying beam angles and UGR ratings, CCT changing, dimmable and WIFI / Bluetooth enabled controls.



# 02



- Applications
- Malls
  - Commercial offices
  - Sporting facilities
  - Retail shops
  - Residential
  - Meeting rooms

The Estrella and Pollux downlight ranges cover most applications including:  
 Fire rated downlights, Low UGR,  
 Narrow beam, CCT Changing,  
 WIFI enabled, Bluetooth, various dimming options, various IP ratings and a comprehensive range of cut outs to match on site requirements.

## Pollux 41 Mini Downlight

The Pollux 41 LED downlight incorporates a high lumen SMD LED, fire-rated PC diffuser with even light output. The aluminium coated plastic housing provides good heat dissipation. The Pollux 41 has an advanced PIR sensor and PWM optic control module to create a comfortable lighting effect.



Compact design with built-in driver  
 IP54 front waterproof, IP40 for other parts  
 PIR sensor function optional  
 Fade-in and fade-out sensor light effect  
 Life hours >40,000hrs L70  
 Beam angle 90°

Overall dimension: Ø115x70mm  
 Cutout: 90-95mm  
 CCT Changeable slide switch for colour selection  
 1 CCT: 2700K, 3000K, 4000K, 5000K, 5700K  
 3 CCT: 3000K+4000K+5700K

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	BEAM ANGLE
IDC115S/08**041	8	630 ~ 690	90 ~ 95	90°
IDC115S/10**041	10	750 ~ 830	90 ~ 95	90°



# Pollux 64 Mini Downlight

The Pollux 64 downlight achieves >100 Lm/W. It has a super high lumen COB and an excellent light transmitting prismatic lens. Smart cooling system is specifically designed with an aluminium heatsink with vertical fins, that allows air flow both upwards and downwards. It has an external power supply and is easy to maintain. The Pollux 64 is designed for general lighting applications in offices, supermarkets, shops, schools, hotels, etc.

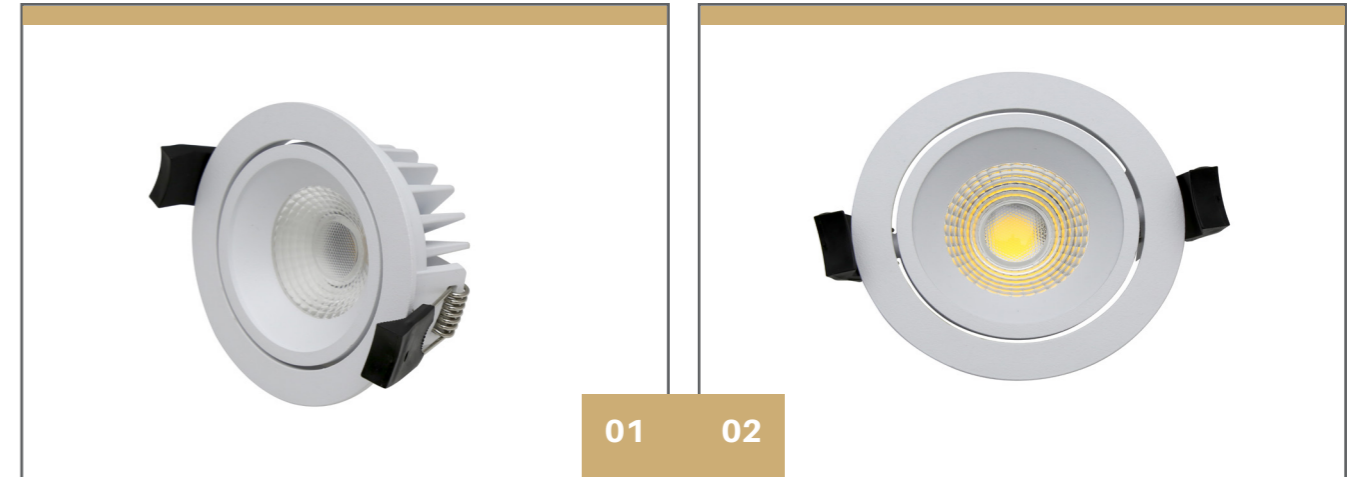


Triac dimmable  
 Beam angle 36°/60°  
 Overall dimension: Ø82\*58mm  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP40  
 Prismatic lens  
 Life hours >40,000hrs L70

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	BEAM ANGLE
IDC080N/10**064	10	850 ~ 1,010	70 ~ 75	36° / 60°

# Pollux 79 Mini Downlight

The Pollux 79 tiltable LED downlight achieves high efficiency by using a super high lumen COB and excellent light transmitting prismatic lens. Smart cooling system is designed specifically with an aluminium heatsink and vertical fins, allowing air flow upwards and downwards. It has an adjustable head for different lighting directions. The Pollux 79 has an external power supply and is easy to maintain. The Pollux 79 is designed for general lighting applications in offices, supermarkets, shops, schools, hotels, etc.



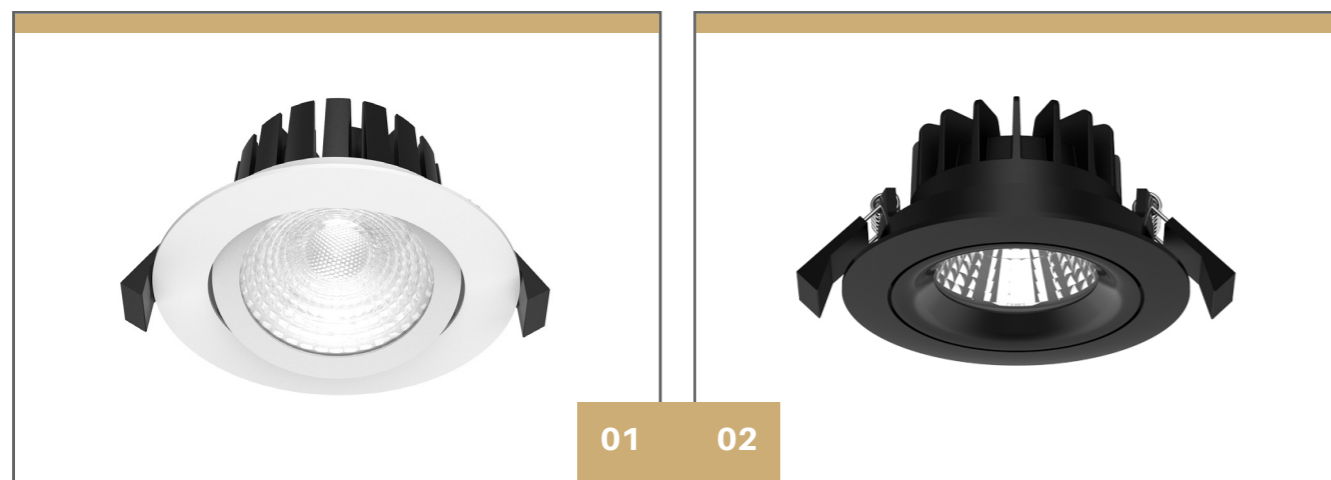
Triac dimmable  
 Beam angle 36°/60°  
 22° Tilttable  
 Overall dimension: Ø90\*46mm  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP40  
 Prismatic Lens  
 Life hours >40,000hrs L70

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	BEAM ANGLE
IDC090N/10**079	10	850 ~ 1,010	84	36°/60°



# Pollux 102 Mini Downlight

The Pollux 102 tiltable LED recessed downlight has a super slim and compact design, perfectly suitable for a narrow ceiling installation. IP65 rating front cover design, suitable for damp environments. A T-shape heat sink greatly increases the radiation area and improves the cooling efficiency. The fitting can be rotated from 0-30° in a horizontal direction, expanding the illumination area.

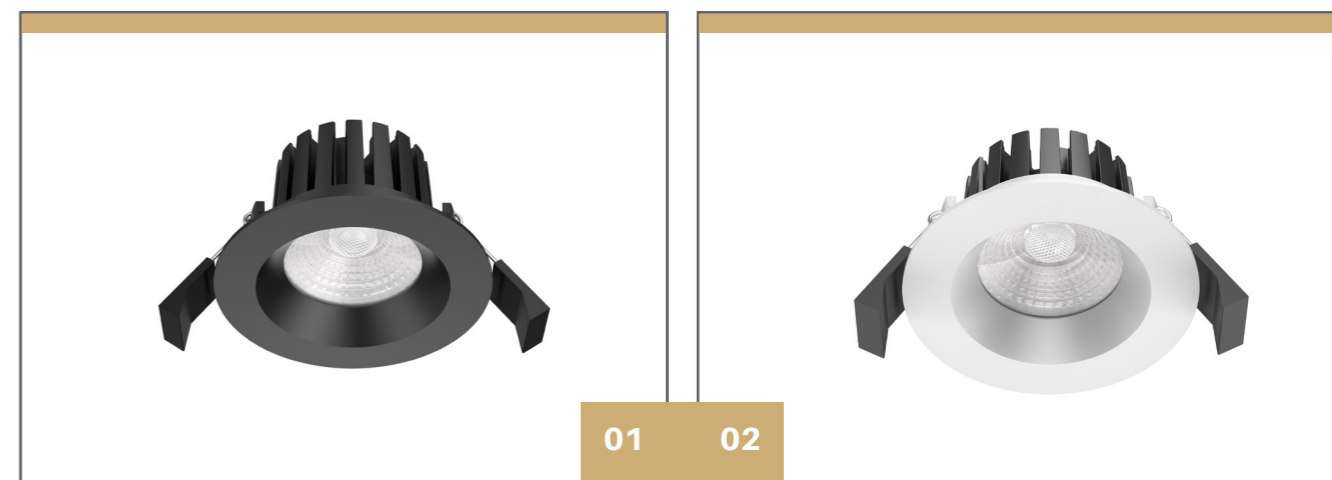


Triac / DALI dimmable 8%-100% / 0-10V  
 Beam angle 36°/60°  
 30° Tilttable  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP65  
 Overall dimensions: Ø80×30mm / Ø110×50mm  
 Life hours >40,000hrs L70

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	BEAM ANGLE
IDC080N/05**102	5	465 ~ 530	68 ~ 72	36°/60°
IDC080N/08**102	8	695 ~ 815	68 ~ 72	36°/60°
IDC110N/10**102	10	860 ~ 1,000	90 ~ 95	36°/60°
IDC110N/13**102	13	845 ~ 1,090	90 ~ 95	36°/60°

# Pollux 103 Mini Downlight

The Pollux 103 LED recessed downlight has a super slim and compact design, perfectly suitable for narrow ceiling installations. IP65 rating front cover design, suitable for damp environments. A T-shape heat sink greatly increases the radiation area improving the cooling efficiency.



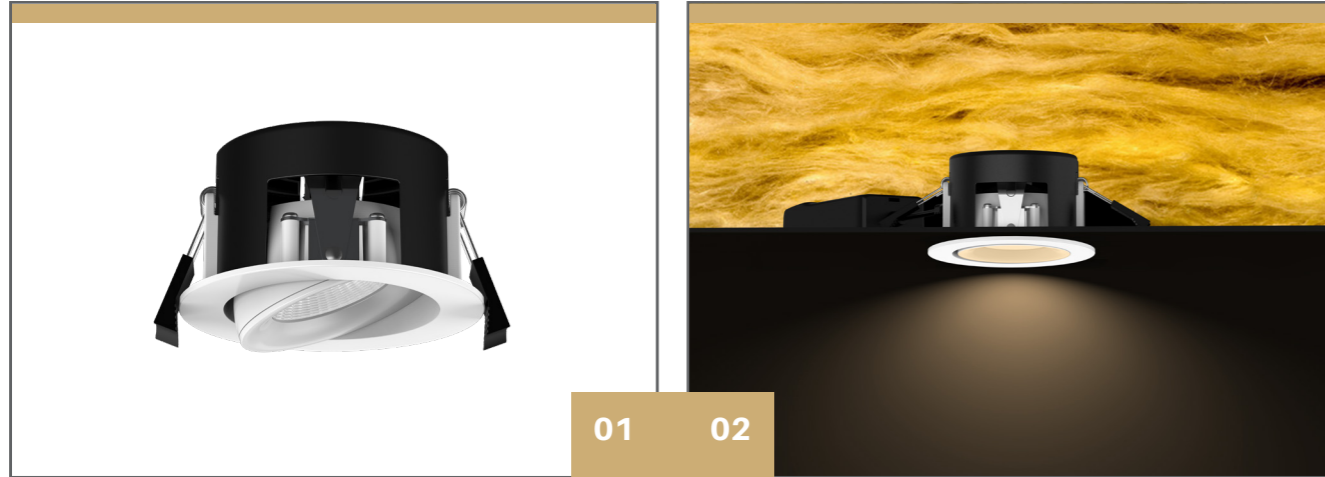
Triac / DALI dimmable 8%-100% / 0-10V  
 Beam angle 36°/60°  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP65  
 Overall dimensions: Ø80×40mm / Ø110×63mm  
 Life hours >40,000hrs L70

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	BEAM ANGLE
IDC080N/05**103	5	465 ~ 530	68 ~ 72	36°/60°
IDC080N/08**103	8	695 ~ 815	68 ~ 72	36°/60°
IDC110N/10**103	10	860 ~ 1,000	90 ~ 95	36°/60°
IDC110N/13**103	13	1,130 ~ 1,300	90 ~ 95	36°/60°



# Pollux 128 Mini Downlight

The Pollux 128 downlight's gyro design is manufactured to offer flexibility in application. The Pollux 128 has a high lumen COB light source and the ADC12 aluminium housing provides great heat dissipation. The Pollux 128 can be tilted 30° in all directions (360°), perfectly meeting the demands of different lighting angle requirements.



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Gyro design tilts 30° in all direction 360°  
 CRI 80 / 90 / 97  
 Beam angle: 12° / 24° / 36° / 60°  
 Replaceable driver  
 Triac dimming available  
 Overall dimensions: 95\*50mm  
 Life hours >50,000hrs L70

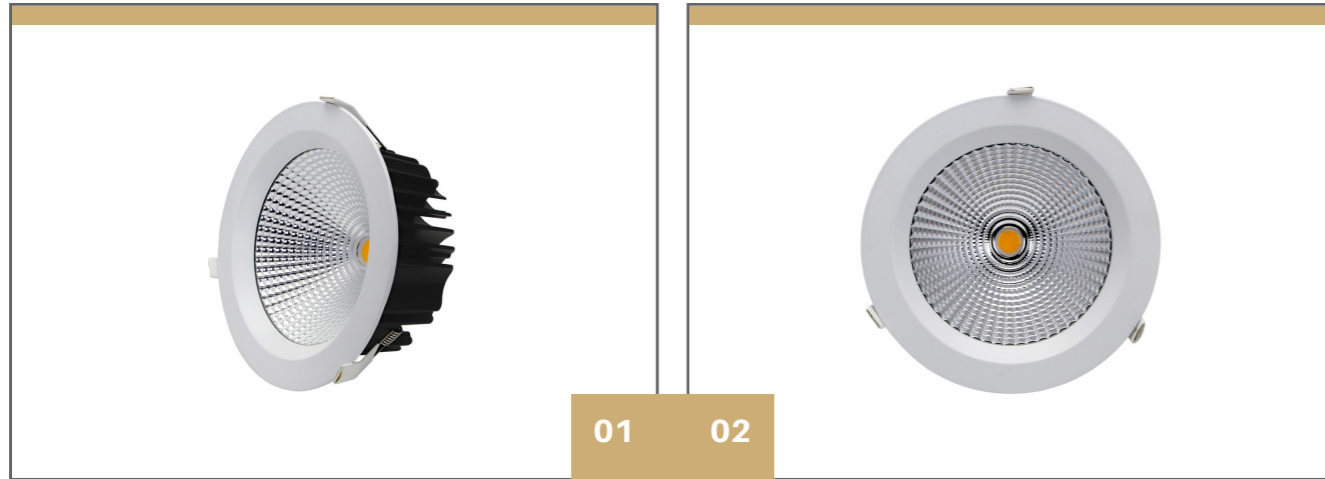
Cutout: 83-86mm  
 CCT: 2700K, 3000K, 4000K, 5000K  
 Also available as Dim-to-Warm version (2000K~3000K)  
 IP54  
 Colour: White, Black, Silver, Brushed nickle  
 Dim to warm (3000k-2000k) optional

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	BEAM ANGLE
IDC095N/08**128	8	738 ~ 864	83 ~ 86	12°/24°/36°/60°



# Estrella 22 Downlight

The Estrella 22 COB downlight is uniquely designed with a reflector and a COB high power LED chip. The short heat sink makes it suitable for a variety of installations. The design of the aluminium heat sink provides excellent thermal dissipation. An external driver solution both in dimmable and non-dimmable version facilitates easy maintenance.



Triac / 1-10V, DALI dimmable 8%-100%  
 ADC12 Aluminium  
 Low Profile  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP20/44

Reflector and glass lens  
 CRI80/90  
 Life hours >40,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	CUT OUT (MM)	BEAM ANGLE
IDC110N/13**022	13	900 ~ 1,100	Ø110	90 ~ 100	60°
IDC145N/18**022	18	1,835 ~ 2,070	Ø145	120 ~ 130	24°/45°/60°
IDC190N/18**022	18	1,850 ~ 2,160	Ø190	160 ~ 170	36°/60°
IDC225N/18**022	18	1,850 ~ 2,160	Ø225	200 ~ 210	24°/36°/60°
IDC145N/25**022	25	2,250 ~ 2,750	Ø145	120 ~ 130	24°/45°/60°
IDC190N/25**022	25	2,350 ~ 2,875	Ø190	160 ~ 170	36°/60°
IDC225N/25**022	25	2,350 ~ 2,875	Ø225	200 ~ 210	24°/36°/60°
IDC190N/35**022	35	3,290 ~ 3,865	Ø190	160 ~ 170	36°/60°
IDC225N/35**022	35	3,360 ~ 3,955	Ø225	200 ~ 210	24°/36°/60°
IDC225N/45**022	45	3,870 ~ 4,770	Ø190	160 ~ 170	24°/36°/60°

# Estrella 38 Downlight

The Estrella 38 surface mounted downlight's high quality reflector achieving a light output > 86%. AL6063 Aluminium body with oxidation treatment provides corrosion resistance and excellent heat dissipation performance. LEDs are high lumen COB chips with CRI>80. Built-in driver is independent and replaceable. PF>0.9, THD<20%, short-circuit protection and over voltage protection function.



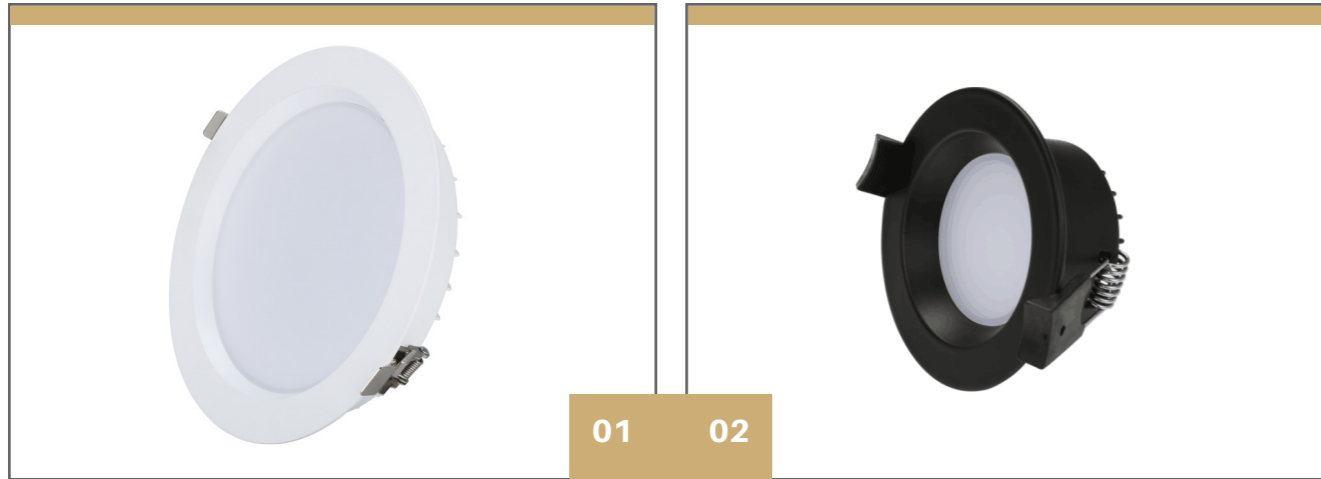
Short-circuit protection and over voltage protection  
 Surface mounted installation  
 Triac / 1-10V, DALI dimmable 8%-100%  
 24°/ 45°/60° Beam Angle  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP54  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	BEAM ANGLE
SM090N/10**038	10	620 ~ 780	Ø90*100	60°
SM090N/15**038	15	1,030 ~ 1,300	Ø90*100	60°
SM120N/25**038	25	2,150 ~ 2,420	Ø120*110	24°, 45°, 60°
SM160N/32**038	32	3,100 ~ 3,430	Ø160*120	36°, 60°



# Estrella 97 Downlight

The Estrella 97 SMD LED downlight uses a high lumen SMD LED and PC diffuser that delivers even light output. White, silver, chrome surface treatment are available for architectural preference. Triac dimmable, 0-10V dimmable and DALI dimmable are available.



Triac / 1-10V , DALI dimmable 8%-100%  
 Low profile  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP54  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	CUT OUT (MM)	BEAM ANGLE
IDL085N/07**097	7	510 ~ 570	Ø85	75 ~ 80	90°
IDL110N/10**097	10	890 ~ 940	Ø110	90 ~ 95	90°
IDL110N/13**097	13	1,150 ~ 1,280	Ø110	90 ~ 95	90°
IDL145N/15**097	15	1,420 ~ 1,560	Ø145	120 ~ 30	90°
IDL170N/18**097	18	1,710 ~ 1,870	Ø170	140 ~ 150	90°
IDL190N/25**097	25	2,420 ~ 2,600	Ø190	160 ~ 170	90°

# Estrella 113 Gimble

The Estrella 113 gimble is a modular tiltable downlight that has been designed to be used as a single downlight or spliced together. The module can be adjusted in any directions up to 30°, which is perfect for accent and decorative lighting.



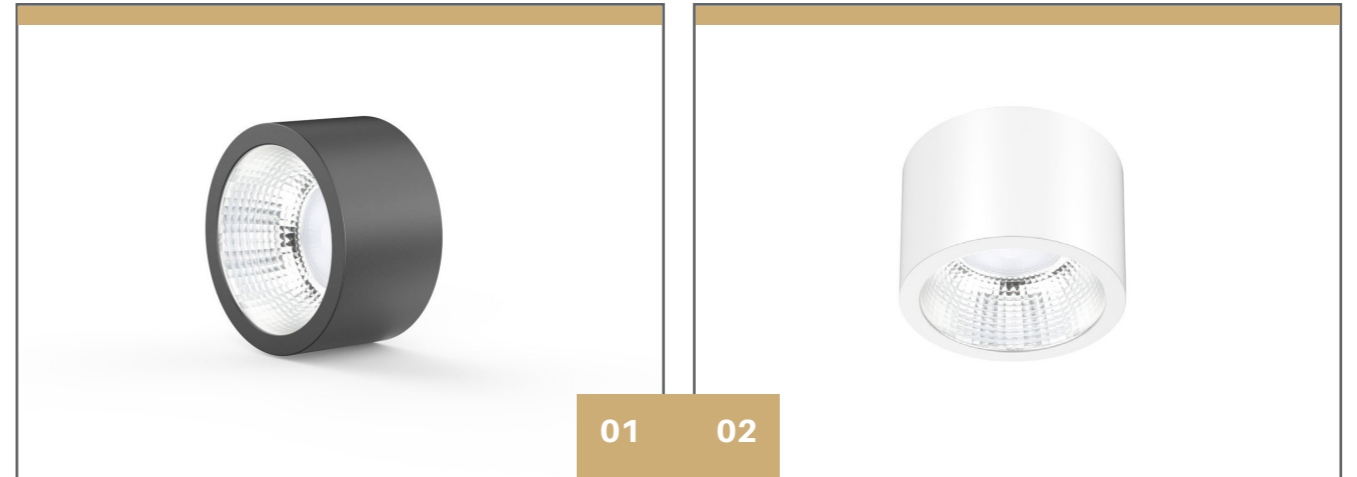
Modular splicing design: Type A Square / Type B Round  
 Triac dimming / 0-10V dim / DALI dim  
 Beam angle: 15° / 24° / 36°  
 Module lighting can be adjusted up to 30° in any direction  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP20  
 Colour : White RAL 9016  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	CUT OUT (MM)	BEAM ANGLE
IDC175N/25**113A	25	2,500 ~ 2,750	175*175*110	150 ~ 160	15°,24°,36°
IDC175N/35**113A	35	3,450 ~ 3,850	175*175*110	150 ~ 160	15°,24°,36°
IDC180N/25**113B	25	2,500 ~ 2,750	Ø180*110	150 ~ 160	15°,24°,36°
IDC180N/35**113B	35	3,450 ~ 3,850	Ø180*110	150 ~ 160	15°,24°,36°



# Estrella 115 Downlight

An architectural deep surface mounted downlight has a low Unified Glare Rating (UGR), creating visual comfort. With a deep reflector, this high-quality surface mounted downlight can provide the perfect combination of high lighting efficiency and human centric design, without compromising on light performance.



3 UGR levels (19, 22, 25) are available  
Triac dim 8%-100%  
Surface mounted installation  
Beam angle 60°/90°  
CCT: 2700K, 3000K, 4000K, 5000K  
IP54 (on room side)  
Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	BEAM ANGLE
SM140N/13**115	13	1,240 ~ 1,460	Ø143*112	60°,90°
SM170N/18**115	18	1,840 ~ 1,890	Ø170*124	60°,90°
SM210N/25**115	25	2,450 ~ 2,930	Ø213*129	60°,90°



# Estrella 269 Downlight IP65

The Estrella 269 range has a wide variety of size options to accommodate architectural and application preferences. It has faceted and specular reflector designs for alternative optic preferences. The Estrella 269 is screwless on the surface and has a tempered glass in the front, which creates a modern aesthetically appealing appearance, high protection level and convenient installation.

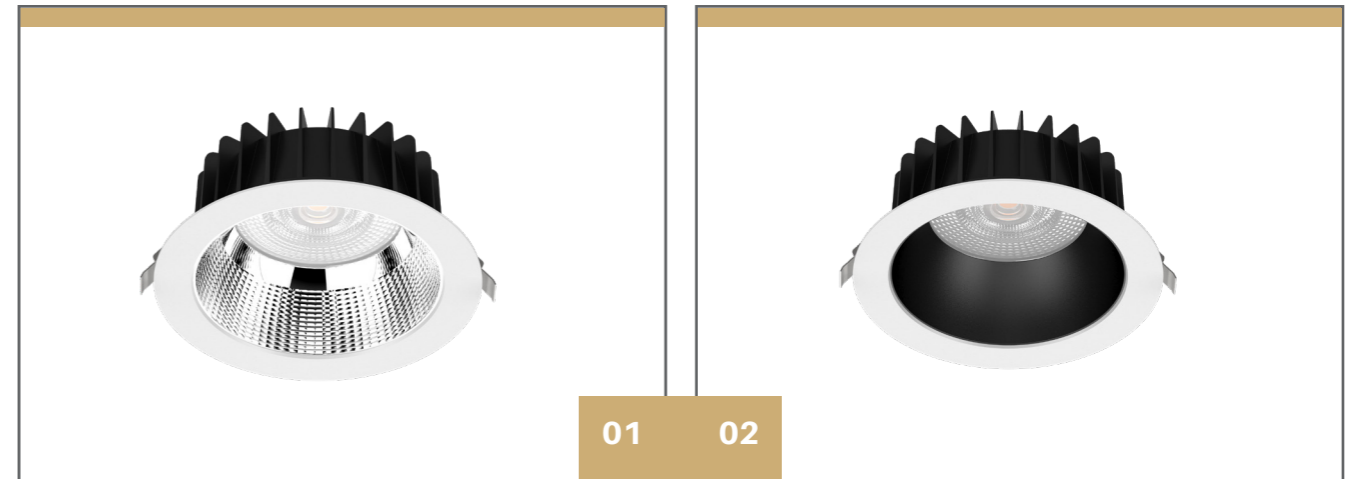


IP65 waterproof and IK08 impact rating  
 Type A COB version is UGR<19, with 24°/36°/60° beam angle options  
 Type B SMD version has a 75° beam angle  
 Surface mounted installation  
 Interchangeable CCT available, 3000K+4000K+5700K with slide switch  
 Internal flicker free driver.  
 Triac dimming/DALI dimming available  
 Colour : White RAL 9016 / Black RAL 9005  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	BEAM ANGLE TYPE A	BEAM ANGLE TYPE B
SM107N/10**269*	10	900 ~ 1,100	Ø90*107	24°/36°/60°	75°
SM107N/15**269*	15	1,300 ~ 1,600	Ø90*107	24°/36°/60°	75°
SM115N/18**269*	18	1,700 ~ 1,900	Ø130*115	24°/36°/60°	75°
SM115N/25**269*	25	2,300 ~ 2,500	Ø130*115	24°/36°/60°	75°
SM110N/25**269*	25	2,300 ~ 2,500	Ø160*110	24°/36°/60°	75°
SM119N/25**269*	25	2,300 ~ 2,500	Ø214*119	24°/36°/60°	75°
SM110N/30**269*	30	2,200 ~ 3,000	Ø160*110	24°/36°/60°	75°
SM119N/35**269*	35	3,300 ~ 3,500	Ø214*119	24°/36°/60°	75°
SM125N35**269*	35	3,300 ~ 3,500	Ø250*125	24°/36°/60°	75°
SM125N/40**269*	40	3,800 ~ 4,200	Ø250*125	24°/36°/60°	75°
SM125N/45**269*	45	4,200 ~ 4,600	Ø250*125	24°/36°/60°	75°

# Estrella 178 Downlight

An architectural deep recessed COB downlight with a low Unified Glare Rating (UGR), making this lighting more comfortable. With a deep reflector, this high-quality recessed downlight can provide the perfect combination of high lighting efficiency and human centric design, without compromising on light performance. CCT changeable function is available. It offers a wide choice of options for creating the desired ambience. The die-cast housing provides excellent heat dissipation.



UGR<19  
 Triac / 1-10V , DALI dimmable 8%-100%  
 Interchangeable reflector in white, matt silver, bright silver and black colour  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP54  
 Life hours >50,000hrs L70

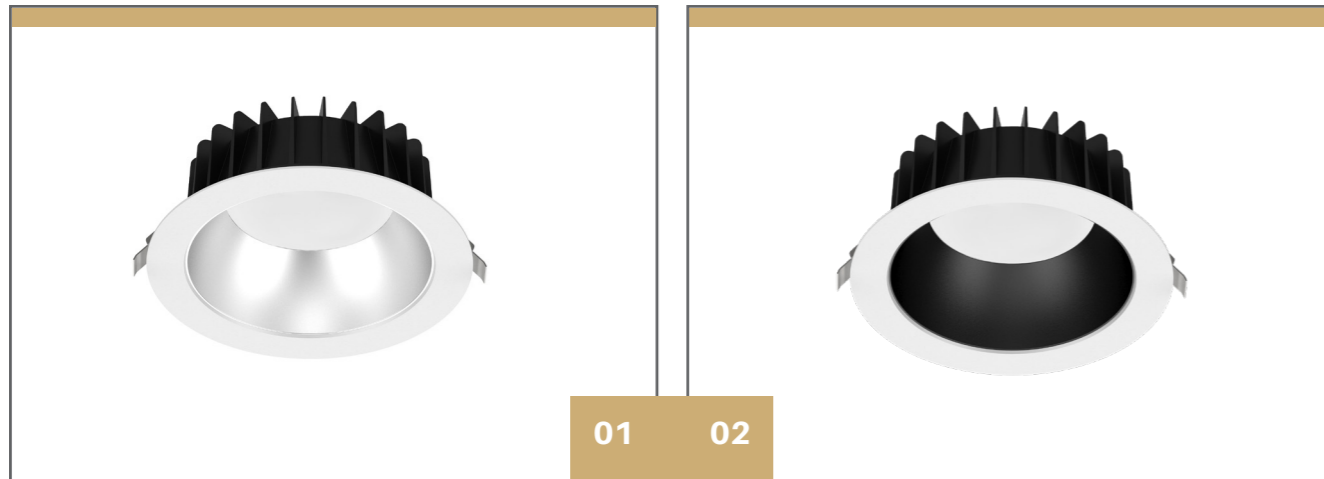
CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	CUT OUT (MM)	BEAM ANGLE
IDC095N/10**178	10	1,000 ~ 1,120	95	82 ~ 88	24°/36°/60°
IDC110N/10**178	10	1,000 ~ 1,120	110	90 ~ 95	24°/36°/60°
IDC110N/13**178	13	970 ~ 1,300	110	90 ~ 95	24°/36°/60°
IDC145N/10**178	10	1,000 ~ 1,120	145	125 ~ 135	24°/36°/60°
IDC145N/18**178	18	2,020 ~ 2,250	145	125 ~ 135	24°/36°/60°
IDC145N/25**178	25	2,500 ~ 2,850	145	125 ~ 135	24°/36°/60°
IDC170N/18**178	18	1,980 ~ 2,220	170	150 ~ 165	24°/36°/60°
IDC170N/25**178	25	2,500 ~ 2,850	170	150 ~ 165	24°/36°/60°
IDC170N/35**178	35	3,320 ~ 3,670	170	150 ~ 195	24°/36°/60°
IDC228N/25**178	25	1,980 ~ 2,220	228	200 ~ 210	24°/36°/60°
IDC228N/35**178	35	3,500 ~ 4,000	228	200 ~ 210	24°/36°/60°
IDC228N/40**178	40	3,800 ~ 4,200	228	200 ~ 210	24°/36°/60°
IDC228N/45**178	45	4,200 ~ 4,700	228	200 ~ 210	24°/36°/60°





# Estrella 179 Downlight

The Estrella 179 LED SMD downlight with traditional recessed reflector that provides perfect combination of high lighting efficiency, comfortable lighting and human centric design, without compromising on lighting performance. CCT changeable function is available. It offers a wide choice of options for creating the desired ambience. The die-cast housing provides excellent heat dissipation.



Triac / 1-10V, DALI dimmable 8%-100%  
CCT: 2700K, 3000K, 4000K, 5000K, 5700K  
IP54  
Life hours >50,000hrs L70

IK06  
Colour changeable optional (external side switch)  
Interchangeable reflector in white, matt silver, bright silver and black colour  
Frosted glass cover optional

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	CUT OUT (MM)	BEAM ANGLE
IDC095N/10**179	10	710 ~ 800	95	82 ~ 88	80°
IDC110N/10**179	10	710 ~ 800	110	90 ~ 100	80°
IDC110N/13**179	13	930 ~ 1040	110	90 ~ 100	80°
IDC145N/10**179	10	820 ~ 900	145	120 ~ 130	80°
IDC145N/18**179	18	1,650 ~ 1,800	145	120 ~ 130	80°
IDC145N/25**179	25	2,100 ~ 2,250	145	160 ~ 170	80°
IDC170N/18**179	18	1,750 ~ 1,900	170	150 ~ 165	80°
IDC170N/25**179	25	2,350 ~ 2,550	170	150 ~ 165	80°
IDC170N/35**179	35	2,940 ~ 3,180	170	150 ~ 165	80°
IDC228N/25**179	25	2,450 ~ 2,600	228	200 ~ 210	80°
IDC228N/35**179	35	3,600 ~ 4,000	228	200 ~ 210	80°
IDC228N/40**179	40	4,000 ~ 4,200	228	200 ~ 210	80°
IDC228N/45**179	45	4,500 ~ 4,720	228	200 ~ 210	80°

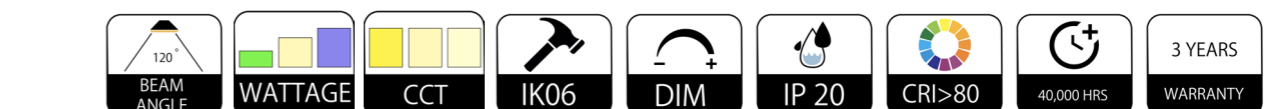
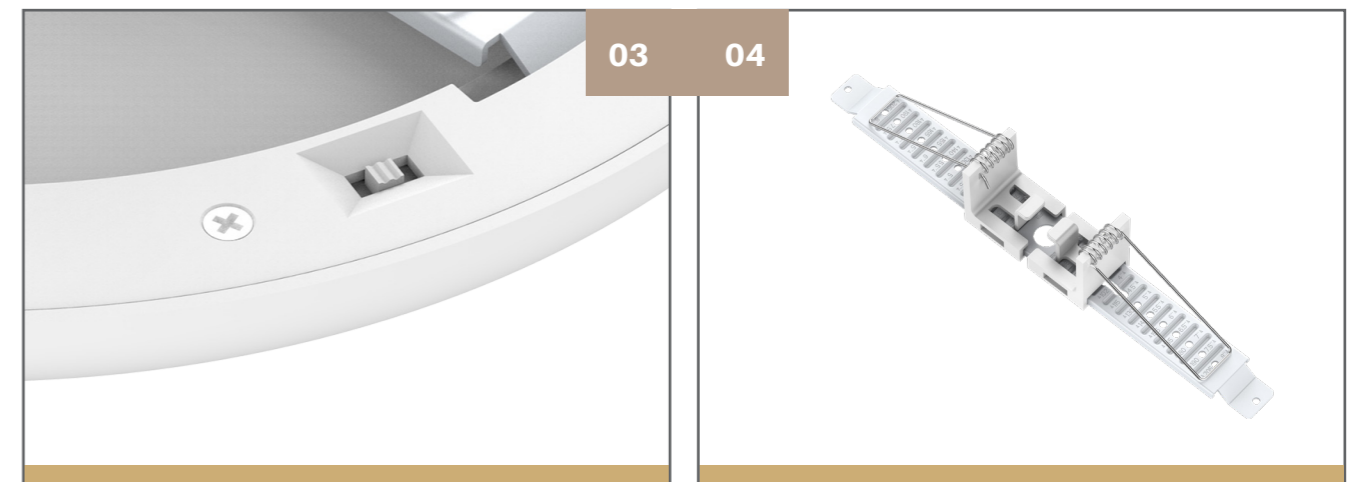
# Estrella 280 Downlight / Ceiling

This downlight features an adjustable cutout size. The Estrella 280 uses a high lumen SMD LED and edge-light design with even light output. The AL 1060 Aluminum profile provides excellent thermal dissipation. Super slim with internal driver and quick connector. It can be widely used in various applications. Recessed or surface mounted installation.



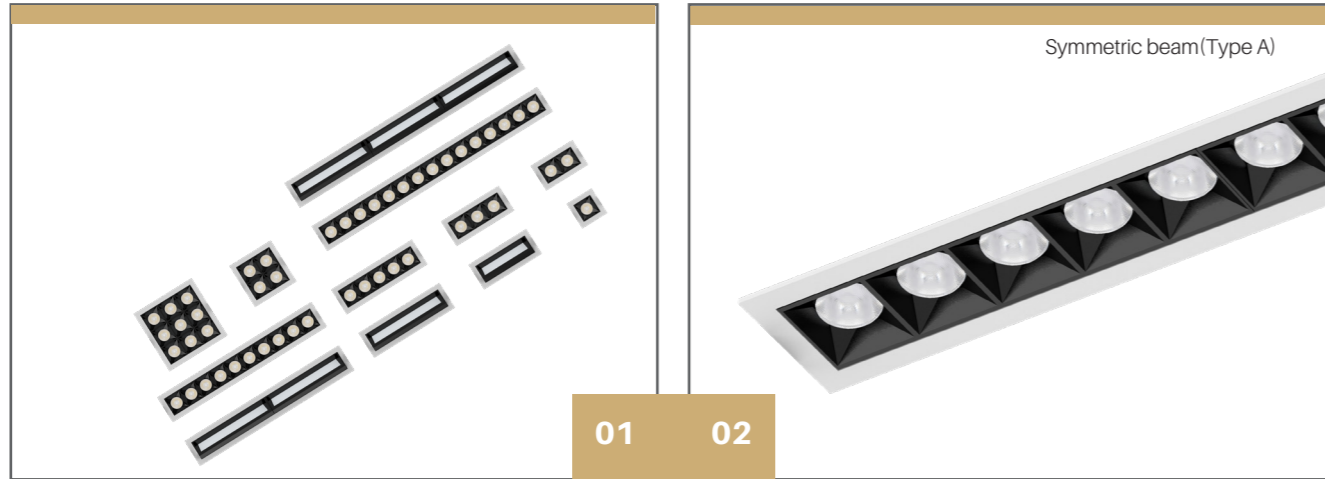
Adjustable cutout size from 65 ~ 205mm, 120 ~ 260mm for recessed installation  
Super slim with internal driver and quick connector  
Interchangeable CCT (3000K+4000K+5700K) with slide switch  
Interchangeable power (10W+13W+16W)(16W+20W+22W) with slide switch  
Triac dimmable  
Recessed and surface mounted installation  
Life hours >40,000hrs L70

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	DIMENSIONS (MM)
IDL235N/16**280	16	1,400 ~ 1,600	65 ~ 205 ADJ	235*22
IDL235N/16CC280	16	1,400 ~ 1,700	65 ~ 205 ADJ	235*22
IDL235N/WC**280	10/13/16	950 ~ 1,700	65 ~ 205 ADJ	235*22
IDL300N/22**280	22	2,200 ~ 2,500	120 ~ 260 ADJ	300*25
IDL300N/22CC280	22	2,200 ~ 2,600	120 ~ 260 ADJ	300*25
IDL300N/WC**280	16/20/22	1,500 ~ 2,600	120 ~ 260 ADJ	300*25



# Estrella 248 Downlight

The Estrella 248 is a linear recessed downlight, with two beam designs: Symmetric beam (Type A) and Asymmetric beam (Type B). The aluminium die-cast frame with UV-proof white powder coating finishing provides excellent thermal management. Estrella 248 is manufactured with CREE XP-G high power SMD light source, high lumen, high CRI, small SDCM. Modular lens and multi-louver reflectors design achieves UGR<19.



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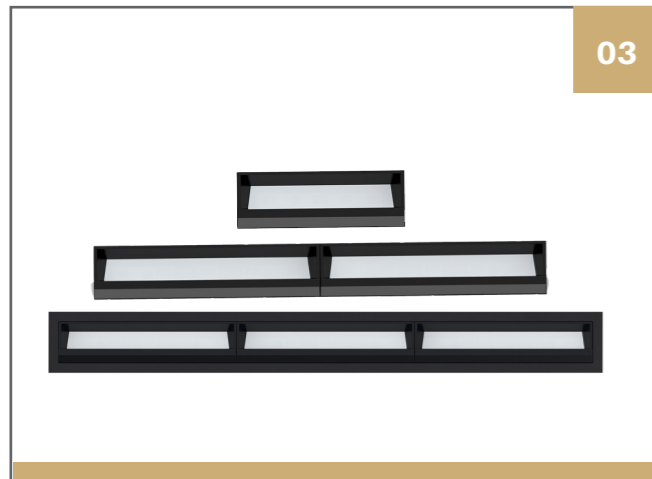
Aluminium die-casting frame  
UGR<19  
Ra >90  
SDCM<6  
Colour: White 9016, Black 9005  
CCT: 2700K, 3000K, 4000K  
Life hours >50,000hrs L70



Symmetric beam (Type A)

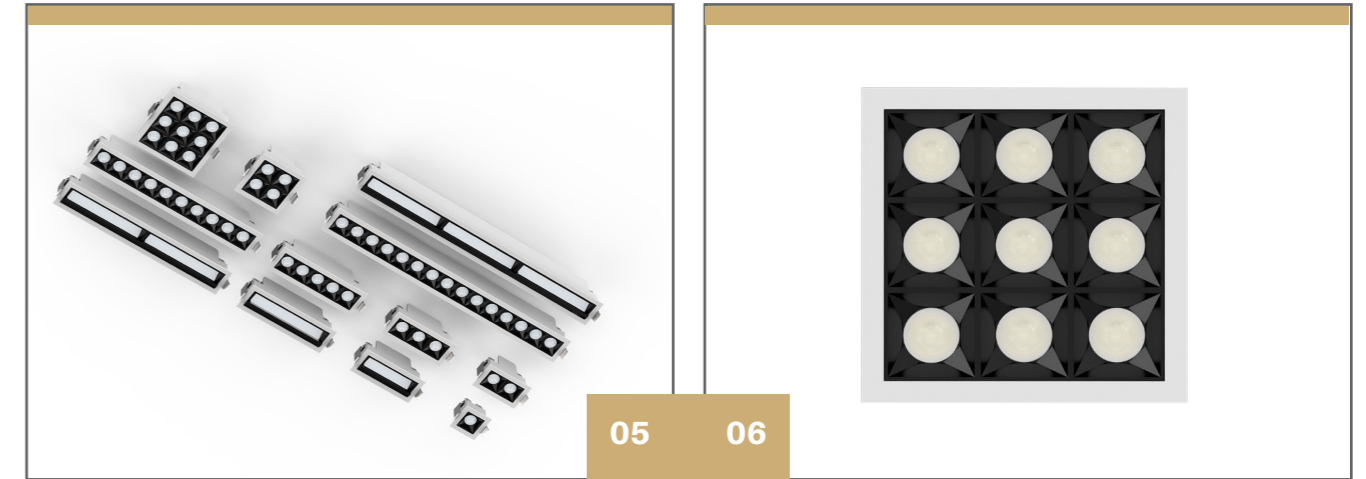
CREE XP-G2 5W SMD light source  
High lumen efficiency  
External flicker free driver  
Dimming options: Triac / 0-10V / DALI  
IP20

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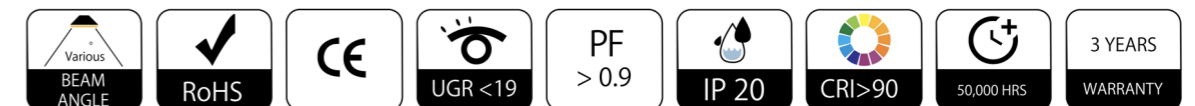
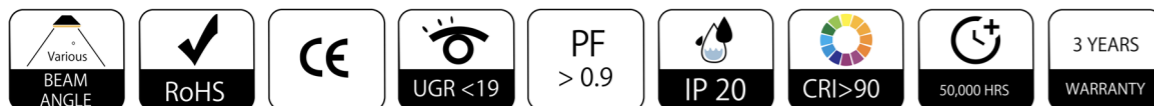
Asymmetric beam (Type B)

# Estrella 248 Downlight



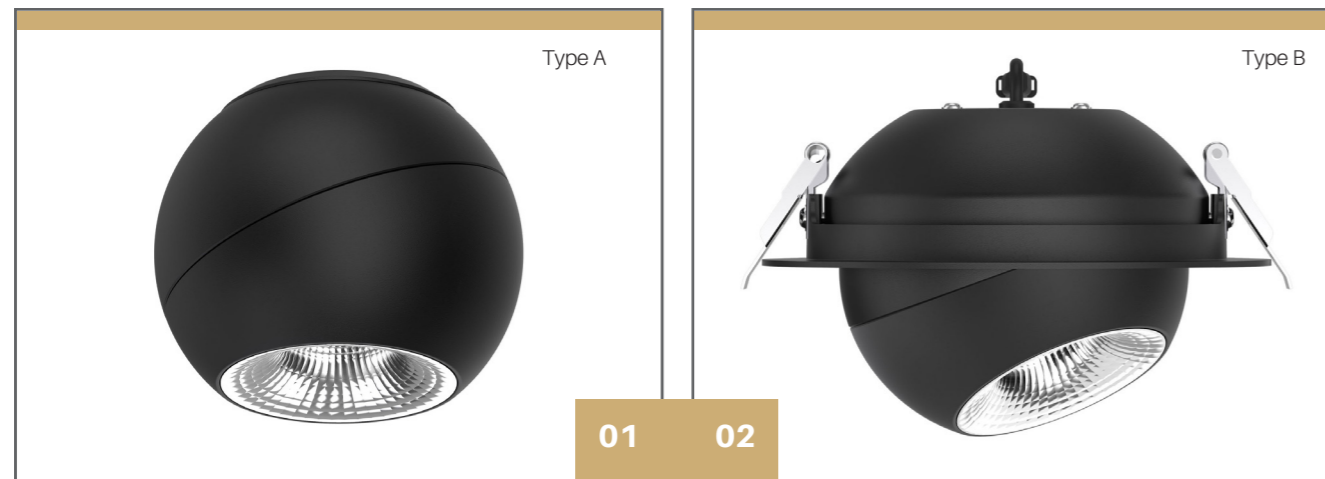
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CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	CUT OUT (MM)	BEAM ANGLE
IDC045N/04**248A	4	140 ~ 190	45*45*42	37*37	15°/36°
IDC076N/06**248A	6	270 ~ 370	76*45*51	68*37	15°/36°
IDC105N/09**248A	9	400 ~ 600	105*45*51	97*37	15°/36°
IDC075N/11**248A	11	480 ~ 710	75*75*51	67*67	15°/36°
IDC147N/13**248A	13	650 ~ 940	147*45*51	139*37	15°/36°
IDC105N/23**248A	23	1,160 ~ 1,760	105*105*51	97*97	15°/36°
IDC280N/25**248A	25	1,220 ~ 1,820	280*45*51	272*37	15°/36°
IDC413N/37**248A	37	1,990 ~ 2,830	413*45*51	405*37	15°/36°
IDL105N/09**248B	9	280 ~ 380	105*45*55	97*37	70°*90°*10°
IDL147N/13**248B	13	470 ~ 690	147*45*55	139*37	70°*90°*10°
IDL280N/25**248B	25	930 ~ 1,300	280*45*55	272*37	70°*90°*10°
IDL413N/37**248B	37	1,400 ~ 2,000	413*45*55	405*37	70°*90°*10°



# Estrella 322 Downlight

The Estrella 322 is a spherical downlight with oblique axis rotation. It has 340° free rotation and can be adjusted to a maximum of 40° for oblique illumination. The Estrella 322A can be surface mounted and Estrella 322B can be recessed. This downlight has a COB light source with high lumen efficiency.



Oblique axis rotation design, 340° rotatory and lighting direction is 40° adjustable  
 Surface mounted and recessed installation options  
 High lumen efficiency, 100lm/W  
 Overall diameter: Type A Ø120\*96mm / Type B: Ø172\*100mm  
 Beam angle 36°/ 60°  
 Type A: Surface mounted  
 Type B: Recessed  
 Colour: Black RAL 9005 / White RAL9016  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	CUT OUT (MM)	BEAM ANGLE
IDC120N/10**322A	10	900 ~ 1,200		36°/ 60°
IDC120N/14**322A	14	1,200 ~ 1,600		36°/ 60°
IDC172N/12**322B	12	1,000 ~ 1,400	150 ~ 160	36°/ 60°
IDC172N/16**322B	16	1,400 ~ 1,800	150 ~ 160	36°/ 60°
IDC172N/20**322B	20	1,600 ~ 2,100	150 ~ 160	36°/ 60°

# Calypso 02 Downlight / Pendant

The Calypso 02 pendant has a stylish appearance, is easy to install and focused on leisure and comfort. The colour of the surface ring is replaceable, which creates a diversified lighting atmosphere and provides flexibility in architectural preference. The suspension wire is made of pull-resistance triple-core wire wrapped with woven cloth. AL6063 Aluminium radiator and sand blast oxidation treatment provides excellent heat dissipation and corrosion resistance. LEDs are high lumen COB chip with CRI>80. Built-in driver is independent and replaceable.



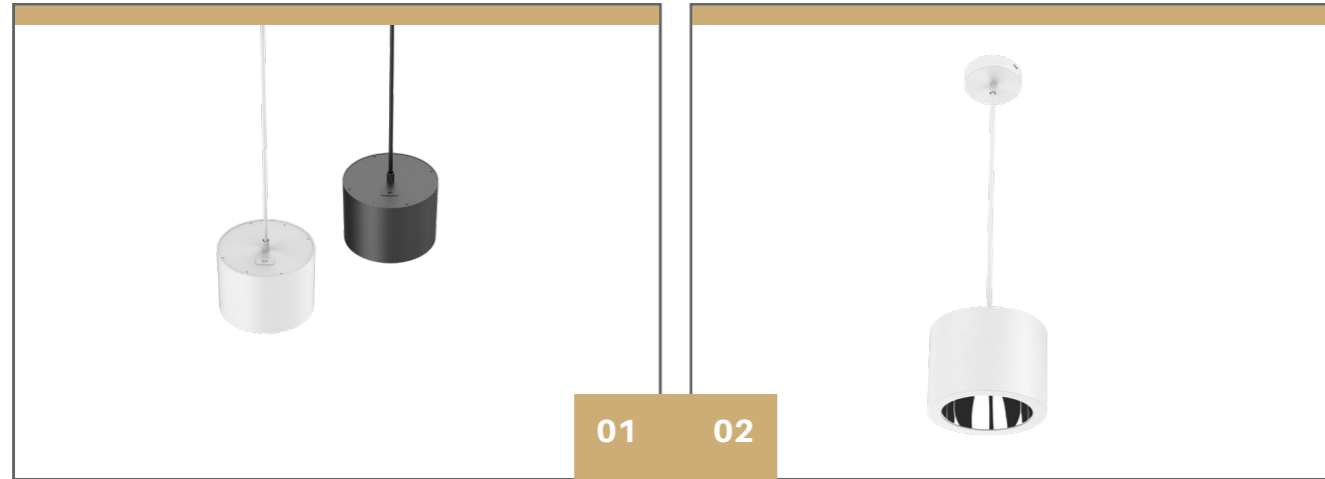
Short-circuit protection and over voltage protection  
 UGR<19  
 Beam angle 15°/24°/36°  
 CCT: 2700K,3000K,4000K,5000K  
 IP20  
 Triac dimmable  
 Type A: Pendant Type B: Surface mounted  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	BEAM ANGLE
PEN080N/10**02A	10	900 ~ 1,030	Ø80*130	15°,24°,36°
PEN080N/18**02A	18	1,650 ~ 1,800	Ø80*160	15°,24°,36°
PEN112N/25**02A	25	2,050 ~ 2,350	Ø112*160	15°,24°,36°
PEN080N/10**02B	10	900 ~ 1,030	Ø80*130	15°,24°,36°
PEN080N/18**02B	18	1,650 ~ 1,800	Ø80*160	15°,24°,36°
PEN112N/25**02B	25	2,050 ~ 2,350	Ø112*160	15°,24°,36°



# Calypso 05 Pendant

The Calypso 05 LED cylinder pendant is a simple design in appearance. It uses an integrated reflector and superior aluminium material to achieve excellent thermal management. The Calypso 05 LED downlight's reflector has an anodized finish which provides much better performance on ageing, prevents yellowing and is corrosion resistant.

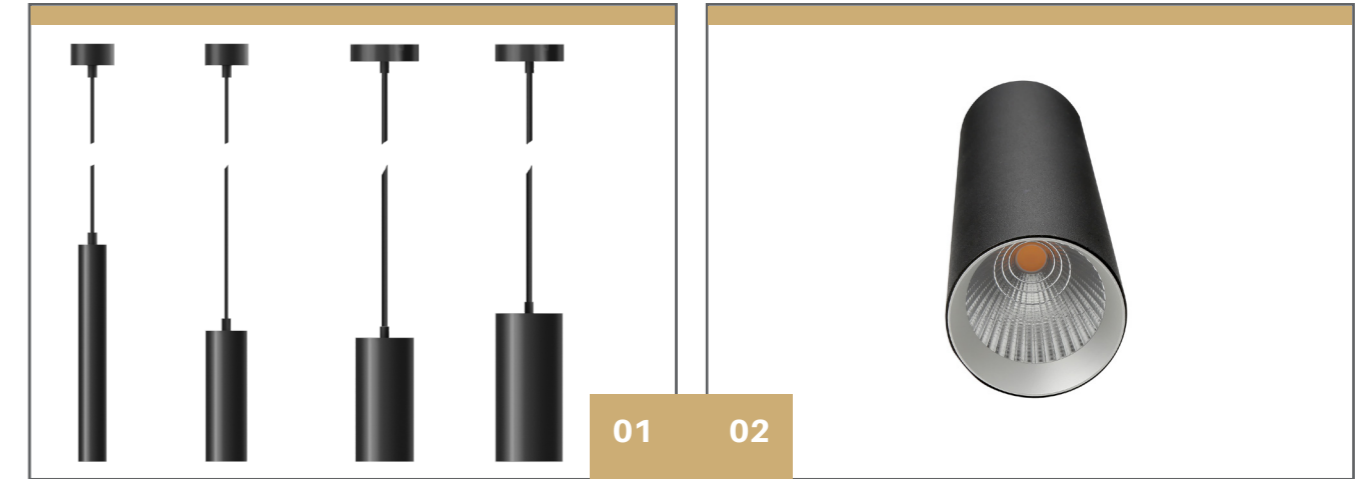


Short-circuit protection and over-voltage protection  
 UGR<19/22/25  
 Triac dimmable  
 CCT: 3000K, 4000K, 5000K  
 CCT Changing with dip switch optional  
 IP20  
 Mounting: Pendant  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	BEAM ANGLE
PEN110N/13*05A	13	1,240 ~ 1,460	Ø143*110	60°,90°
PEN123N/18*05A	18	1,580 ~ 1,890	Ø170*123	60°,90°
PEN127N/25*05A	25	2,450 ~ 2,930	Ø213*127	60°,90°

# Calypso 12 Pendant

5W & 10W black / white suspended downlight are optional in this stylish pendant fixture. The Calypso 12 pendant possesses short-circuit protection and over-voltage protection functions.



Short-circuit protection and over-voltage protection  
 Beam angle 15°/24°/36°/60°  
 UGR<19  
 CCT: 2700K, 3000K, 4000K, 5000K  
 IP20  
 x = "B" Black / "W" White  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	BEAM ANGLE
PEN300N/05*012x	5	500	Ø39*300	24°,36°,60°
PEN500N/05*012x	5	500	Ø39*500	24°,36°,60°
PEN180N/10*012x	10	1,000	Ø58*180	15°,24°,36°,60°

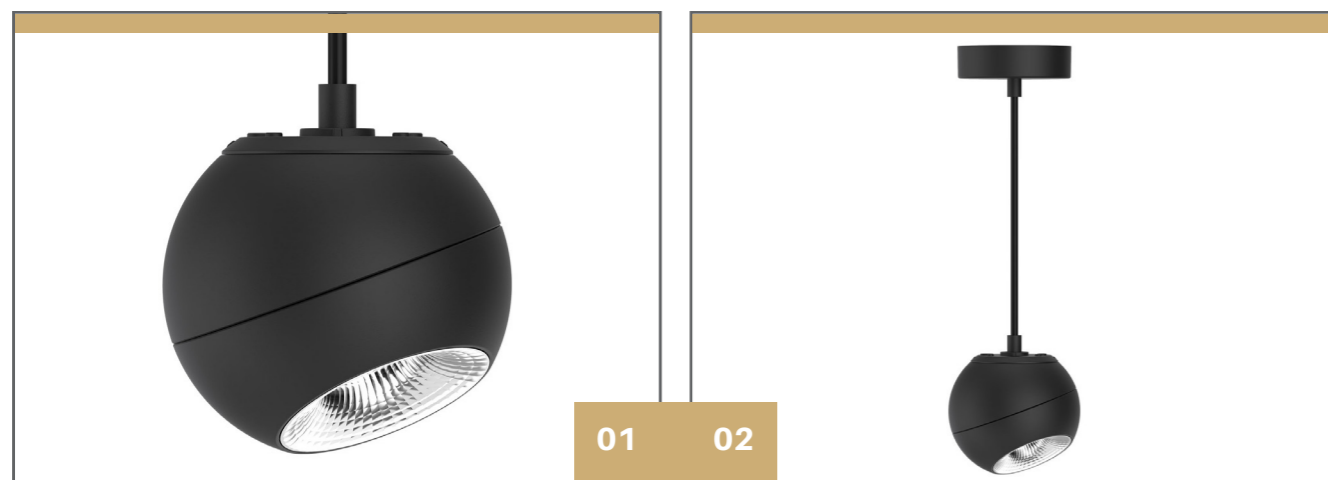


# Calypso 322 Pendant

This lamp is a spherical pendant light with oblique axis rotation. It has 340° free rotation and can be adjusted to a maximum of 40° for oblique illumination.

There are three methods of installation:

1. Calypso 322 is suspended with bracket,
2. Calypso 322A is suspended with standard track,
3. Calypso 322B is suspended with DALI track.



Oblique axis rotation design, 340° rotatory and lighting direction is 40° adjustable  
 Suspended with bracket/ track adapter/ DALI track adapter  
 High lumen efficiency, 100lm/W  
 Mounting: Pendant  
 CCT: 2700K, 3000K, 4000K, 5000K  
 Colour: Black RAL 9005 / White RAL9016  
 Life hours >50,000hrs L70

CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)	BEAM ANGLE
PEN120N/10**322	10	900 ~ 1,200	Ø120*96	36°/ 60°
PEN120N/14**322	14	1,200 ~ 1,600	Ø120*96	36°/ 60°

