

## Evolution-F68

### 13W / 18W Fixed LED Recessed Downlight



Luminaire Finishes

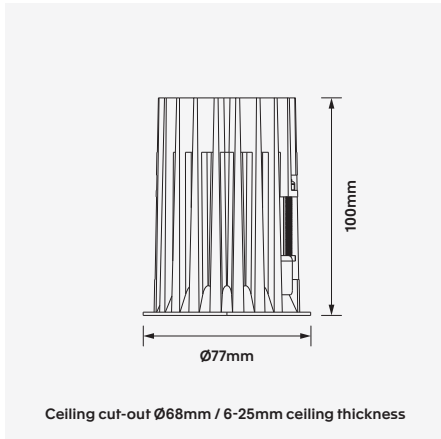
White (WH)  Black (BK)

Interchangeable Baffle Finishes

White (WH)  Black (BK)  Matt (MT)

Specular (SP)  Black Chrome (BC)

Gold (GD)



WATTAGE 13W / 18W

$\varnothing 68$

UGR <13

Bluetooth

Z

BAIT

CE

WARRANTY 5YR

3-Step

CRI (Ra) >90

18° / 40°

IP 44

Ceiling recessed luminaire providing symmetrical, low-glare light distribution. The Evolution-F68 recessed luminaire offers optimised performance with a high Colour Rendering Index a standard with a minimal and clean aesthetic. The Evolution-F68 is a high powered and compact alternative suitable for commercial applications.

The downlight's deep-set lamp source ensures optimal glare performance across a range of general indoor applications. Evolution utilises Zhaga compliant Citizen LED COB technology and offers a 5 year warranty.

- Luminaire wattage: 13W/18W (System 15W / 21W)
- Luminous flux: 1200-1300Lm/1600-1700Lm<sup>2</sup>
- Luminaire efficacy: 92.31Lm/W; 88.88Lm/W<sup>1</sup>
- Correlated colour temperature: 3000K, 4000K
- Colour rendering index: >90<sup>3</sup>
- Mac-Adams Ellipse: 3-SDCM
- LED Brand: Citizen COB LED
- Glare control: UGR<13
- Symmetrical distribution: 18°, 40°
- Outer trim  $\varnothing 77\text{mm}$ ; Ceiling cut-out  $\varnothing 68\text{mm}$
- Ingress protection rating: IP44
- Luminaire finishes: White, Black<sup>4</sup>
- Baffle Options: White, Black, Matt, Specular, Black Chrome, Gold<sup>4</sup>
- Longevity: >50,000Hrs L80 B10
- Driver: Tridonic non-dimmable as standard
- Dimming: DALI-2, BLE (basicDIM Wireless / Casambi) on request<sup>4</sup>
- Weight: 400g (excluding driver)
- Warranty: 5 years<sup>5</sup>

Model	LED Output <sup>2</sup>	Luminous Flux <sup>2</sup>	LED Wattage	System Wattage	CCT	CRI <sup>3</sup>	Distribution
EVOLUTION-F68-13W-3K	1500Lm	1200Lm	13W	15W	3000K	>90	18°
EVOLUTION-F68-13W-4K	1600Lm	1300Lm	13W	15W	4000K	>90	18°
EVOLUTION-F68-13W-3K	1500Lm	1200Lm	13W	15W	3000K	>90	40°
EVOLUTION-F68-13W-4K	1600Lm	1300Lm	13W	15W	4000K	>90	40°
EVOLUTION-F68-18W-3K	2000Lm	1600Lm	18W	21W	3000K	>90	18°
EVOLUTION-F68-18W-4K	2100Lm	1700Lm	18W	21W	4000K	>90	18°
EVOLUTION-F68-18W-3K	2000Lm	1600Lm	18W	21W	3000K	>90	40°
EVOLUTION-F68-18W-4K	2100Lm	1700Lm	18W	21W	4000K	>90	40°

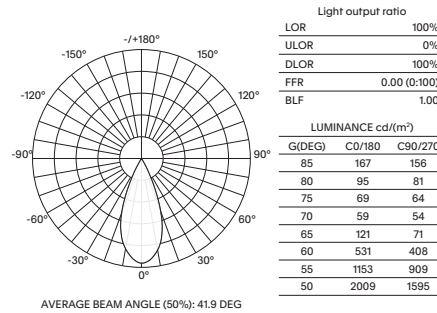
For Non-dimming add suffix ND  
For DALI-2 dimming add suffix D  
For BLUETOOTH dimming add suffix BT

Example product order code configuration: EVOLUTION-F68-18W-3K-40-D-(WH/WH)

Model	Wattage	CCT	Distribution	Driver	Luminaire Finish / Baffle Finish					
EVOLUTION-F68	+	18W	+	3K	+	40	+	D	+	WH/WH

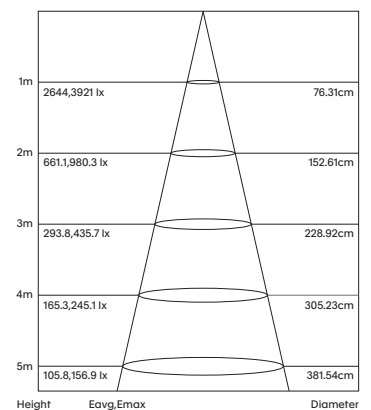
#### Light Distribution

EVOLUTION-F68-18W-3K-40



Room Reflectance		Utilisation Factors										
Ceiling	Walls	Floor	Room Index									
70	50	20	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
			0.83	0.96	1.00	1.03	1.05	1.07	1.08	1.10	1.12	

#### Cone Diagram



1 Luminaire efficacy based on CCT 3000K; CCT variations will alter efficacy  
2 +/- 10% stated initial LED and luminous flux tolerance  
3 Colour Rendering Index: >90 standard (Citizen COB series)  
4 Additional charges apply for non-standard colour/s and dimming options  
5 Five year manufacturer's warranty covering product defects and performance deficiencies