

# DELLA-Fixed

## DM050



### DESCRIPTION

DELLA Fixed Downlight embodies the core of the DELLA 2.0 system-exceptional optical control and glare management in a clean, minimalist form. With its narrow bezel seamlessly integrating into the ceiling, it delivers visual comfort through a precise 45° cut-off angle and low UGR. Designed for longevity and flexibility, its tool-free modularity allows easy optical and LED engine replacement-making it a reliable, sustainable choice for commercial, hospitality, and residential environments where light quality and simplicity matter.

### FEATURES

- All optics and trims replaceable without tools; LED engine can be swapped independently for extended product life.
- Super modular design allows any module tool-free replacement and maximizes simplicity for installation, removal, and maintenance under ceilings.
- 45° cut-off angle with excellent UGR performance for glare-free illumination.
- Minimal bezel ensures a clean, integrated ceiling appearance.

### SPECIFICATIONS

#### ELECTRICAL

Power:	8W, 10W
Voltage:	AC 220-240V
Frequency:	50/60Hz
Power Factor:	>0.90
Dimming:	0/1-10V / TRIAC / DALI

#### OPTICAL

LED Type:	COB
Lumen Output:	608lm (8W), 771lm (10W)
Beam Optic:	Narrow Spot (15°) / Spot (28°, 36°) / Flood (42°) (8W) Spot (28°, 36°) / Flood (42°) (10W)
Color Quality:	CRI 90+, SDCM≤3
Color Temperature:	Static White: 2700K, 3000K, 3500K, 4000K Tunable White: 2700K-6000K Dim-to Warm: 1800K-3000K

#### LUMINAIRE

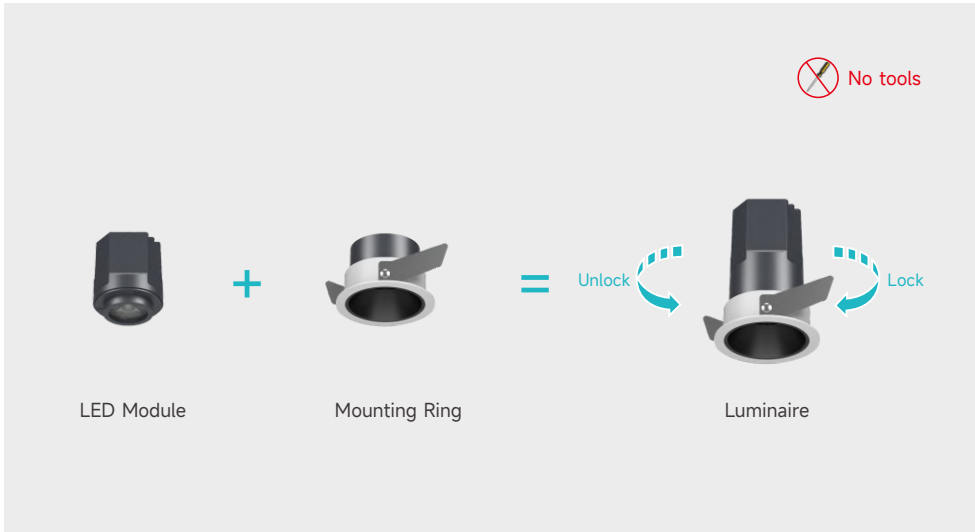
Trim Color:	White / Black / Custom Finish*(Consult Factory)
Operating Temperature:	-20°C~35°C
Lifespan:	>50000h@80% (L80)
Warranty:	5 years Carefree for Parts and Components (Labor not included) LED luminaire life reduction and warranty invalidation will occur if installed in environments above 35°C

#### PHYSICAL

Ceiling Thickness:	2mm to 25mm spring plate
Construction:	Aluminum
Mounting:	Recessed with spring plates

**DETAILS**

**Modular Design**



**Pull Ring Design (Foldable)**

No more hard work, pull out led engine in second.





Type:

Project:

**ORDERING INFORMATION**

DM050							
MODULE	TRIM	LUMEN	TRIM COLOR	CRI	CCT	OPTIC	DIMMING
<input type="checkbox"/> <b>DM050</b> DELLA 55mm Aperture (IP20)  <input type="checkbox"/> <b>DM050P</b> DELLA 55mm Aperture (IP65)	<input type="checkbox"/> <b>DF51RF01N</b> Round Fixed  <input type="checkbox"/> <b>DF51RF01T</b> Round Fixed Trimless	<input type="checkbox"/> <b>L06</b> 600lm  <input type="checkbox"/> <b>L07</b> 700lm	<input type="checkbox"/> <b>W</b> White  <input type="checkbox"/> <b>B</b> Black  <input type="checkbox"/> <b>C</b> Custom Finish *(Consult Factory)	<input type="checkbox"/> <b>9</b> 90+	<input type="checkbox"/> <b>27</b> 2700K  <input type="checkbox"/> <b>30</b> 3000K  <input type="checkbox"/> <b>35</b> 3500K  <input type="checkbox"/> <b>40</b> 4000K  <input type="checkbox"/> <b>TW</b> Tunable White 2700K-6000K  <input type="checkbox"/> <b>DW</b> Dim-to Warm 1800K-3000K	<b>8W</b>  <input type="checkbox"/> <b>015</b> Narrow Spot 15°  <input type="checkbox"/> <b>028</b> Spot 28°  <input type="checkbox"/> <b>036</b> Spot 36°  <input type="checkbox"/> <b>042</b> Flood 42°  <b>10W</b>  <input type="checkbox"/> <b>028</b> Spot 28°  <input type="checkbox"/> <b>036</b> Spot 36°  <input type="checkbox"/> <b>042</b> Flood 42°	<input type="checkbox"/> <b>V</b> 0/1-10V  <input type="checkbox"/> <b>T</b> Triac  <input type="checkbox"/> <b>D</b> DALI

**ACCESSORIES** (TO BE ORDERED SEPARATELY)  
FOR INSTALLATION CONSULT THE INSTRUCTION SHEET

**OPTICAL ACCESSORY**

**Honeycomb**  
DM50-H



**Soft Lens**  
DM50-L



**SECONDARY REFLECTOR COLOR**

**Matt Black**  
DF51RF01-MB



**Matt White**  
DF51RF01-MW



**Matt Silver**  
DF51RF01-MS



**Custom Finish**  
\*(Consult Factory)



Type:

Project:

**PHOTOMETRIC DATA (NON-DIMMING)**

LUMEN PACKAGE	POWER	CCT	15°			28°			36°			42°		
			LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA
DM050-DF51RF01N	8W	3000K	470	53	4023	563	68	2256	567	68	1503	608	73	1316

LUMEN PACKAGE	POWER	CCT	28°			36°			42°		
			LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA
DM050-DF51RF01N	10W	3000K	715	66	2864	712	66	1912	771	71	1665

Above test data is based on [Round Fixed \(DF51RF01N\)](#) trim with 3000K 90CRI LED.

**LUMEN MULTIPLIERS**

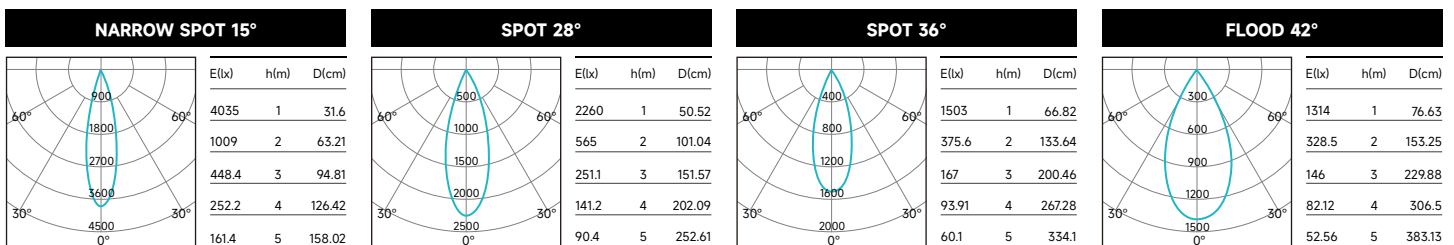
CCT	MULTIPLIER
2700K	0.95
3000K	1.00
3500K	1.04
4000K	1.06

**Applying Lumen Multipliers to Calculate Delivered Lumens**

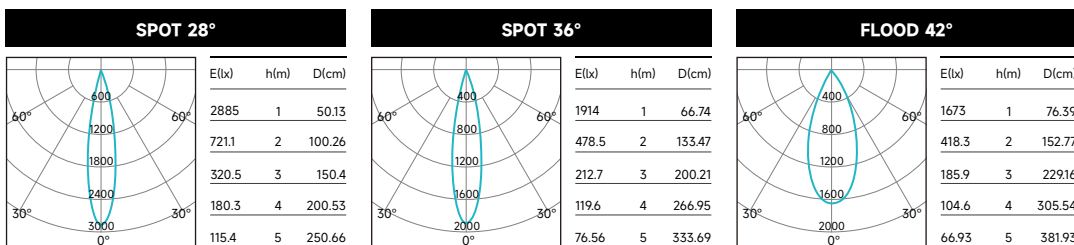
Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	=	Delivered Lumens for Desired Fixture
<b>STANDARD TRIM Example: DM050-DF51RF01N 8W 3500K</b>				
470 lm	x	1.04	=	489 lm

**LIGHT DISTRIBUTION**

**3000K 8W**

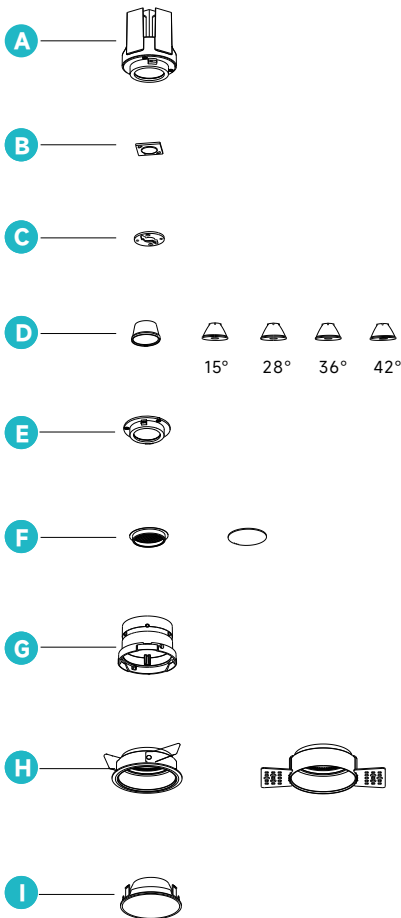
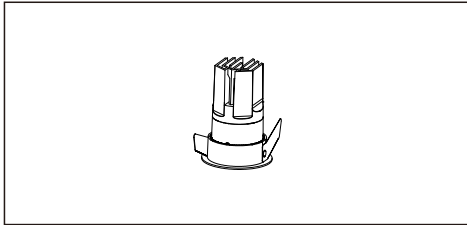


**3000K 10W**



Above test data is based on [Round Fixed \(DF51RF01N\)](#) with 3000K 90CRI LED.

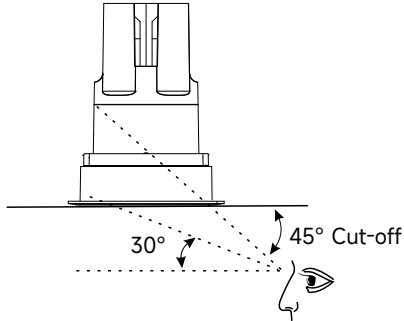
**EXPLODED OVERVIEW - PART SELECTION**



**PARTS**

- A** - Led Module
- B** - Light Source
  - Static White: 2700K, 3000K, 3500K, 4000K
  - Tunable White: 2700K-6000K
  - Dim-to Warm: 1800K-3000K
- C** - LED Holder
- D** - Beam Lens (15° / 28° / 36° / 42°)
- E** - Fixed Ring
- F** - Honeycomb, Soft Lens
- G** - Precise Angle Alignment (Round-Fixed)
- H** - Round Fixed Trim For One Light Engine  
Round Fixed Trimless For One Light Engine
- I** - Interchangeable Secondary Reflector (Round-Fixed)

**BEAM CUT OFF ANGLE**

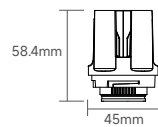


**DIMENSION**

**LED Module**



DM050 / DM050P

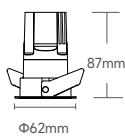


**Trim For Hotel Series**



Round Fixed

DM050-DF51RF01N / DM050P-DF51RF01N

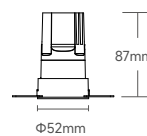


$\Phi 55\text{mm}$

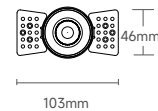


Round Fixed Trimless

DM050-DF51RF01T / DM050P-DF51RF01T



$\Phi 55\text{mm}$





Type:

Project:



### DELLA 2.0 DOWNLIGHT SYSTEM

DELLA, a system of downlights stands out with its exceptional light control technology and anti-glare performance. The system offers multiple sizes ranging from Ø35mm to Ø75mm, with power ratings from 5W to 20W. flexibly adapting to diverse scenarios. Its super modular design enables all optical accessories to be replaced without tools, ensuring smooth operation and a robust structure. Compact, high-efficiency, and evolution-ready design makes DELLA a reliable choice for high-end retail, hospitality, and residential lighting.

DELLA 2.0 is not merely a recessed lighting system; it is our profound interpretation of the relationship between light and space.

### DETAILS



Scan to know more about product information