



DELLA

DM50



DESCRIPTION

The Della supports both remodel and new construction installations, with IC options that require no housing. Engineered for versatility, it is available in a wide range of mounting frames of round, square, pinhole, dual and triple heads, with precise lighting distribution, fit perfectly to hospitality, commercial and residential spaces.

FEATURES

- 100% light distribution without being blocked at any angle.
- Rotate and tilt with audible and tactile feedback and scale for precise adjustments.
- Interchangeable trims and optical accessories.
- all available in a variety of finishesand colors.
- Classic White, Dim to Warm, Tunable White.
- IP65 rated for wet location.
- Modular structure for easier and cost effective SKU management.
- Service the LED optics and Driver from above the ceiling.

ELECTRICAL

Power: 8W-10W
Voltage: 120-277V AC
Frequency: 50/60Hz
Power factor: >0.90
Dimming: 0/1-10V (1%) / TRIAC (1%) / DALI (0.1%)

OPTICAL

LED type: COB
Lumen output: 591lm (8W), 655lm (10W)
Beam optic: 15° / 24° / 36° / 50°
Color quality: CRI 90+, SDCM≤2
Light color: Static White: 2700K, 3000K, 3500K, 4000K
Tunable White: 2700K-6500K
Dim-to Warm: 1800K-3000K

LAMP

Frame color: Black
Trim color: White / Black / Custom Finish*(Consult Factory)
Operating temperature: -20°C~35°C
Lifespan: >50000h@80%(L80)
Warranty: 5 years limited warranty

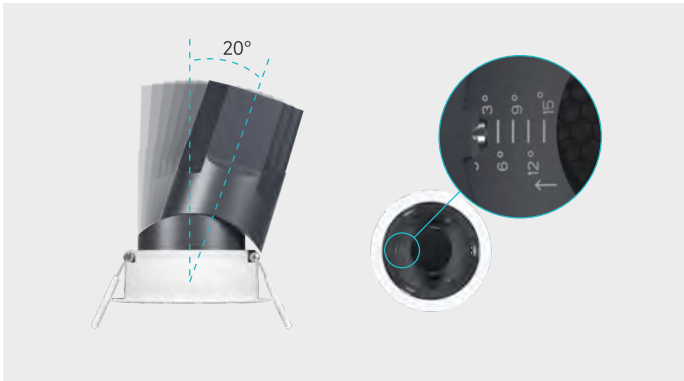
DETAILS

Modular Design

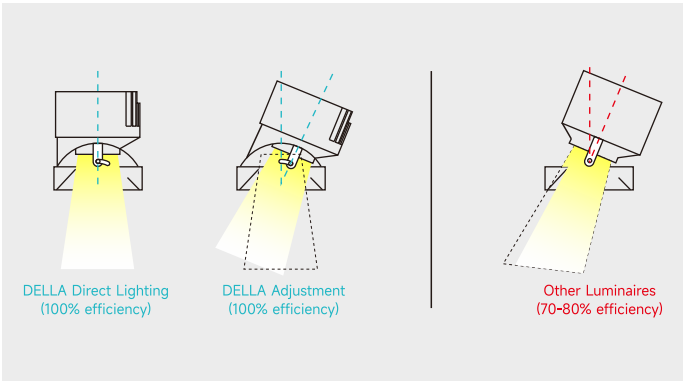


Precise Tiltable Adjustment

The light is precisely tiltable with scale and lock point.



Full Light Distribution



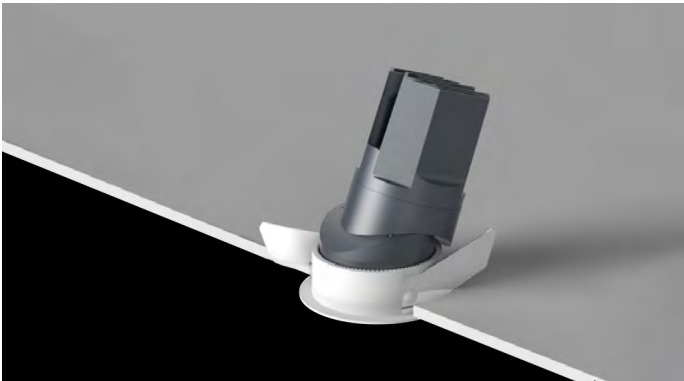
Pull Ring Design (Foldable)

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



Fully Enclosed Design

To ensure highest efficiency of distribution without light leakage even at tilt.





ORDERING INFORMATION

DM50							
MODULE	TRIM	LUMEN	TRIM COLOR	CRI	CCT	OPTIC	DIMMING
☐ DM50 DELLA 55mm Aperture	☐ DF51RA01N Adjustable	☐ L05 500lm	☐ W White	☐ 9 90+	☐ 27 2700K	☐ 015 15°	☐ V 0/1-10V
	☐ DF51RF01N Fixed	☐ L06 600lm	☐ B Black		☐ 30 3000K	☐ 024 24°	☐ T Triac
	☐ DF51RA01T Adjustable Trimless		☐ C Custom Finish *(Consult Factory)		☐ 35 3500K	☐ 036 36°	☐ X 0-10V/Triac
	☐ DF51RF01T Fixed Trimless				☐ 40 4000K	☐ 050 50°	☐ D DALI
	☐ DF51RF02T Decorative				☐ TW Tunable White 2700K-6500K		
	☐ DF52RF01N IP65				☐ DW Dim-to Warm 1800K-3000K		
	☐ DF52RF02N Mini Hole						

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

OPTICAL ACCESSORY

☐ **Honeycomb**
DM50-H

☐ **Soft Lens**
DM050-L

SECONDARY REFLECTOR COLOR

☐ **Matt Black**
EF51RA01-MB

☐ **Matt White**
EF51RA01-MW

☐ **Matt Silver**
EF51RA01-MS



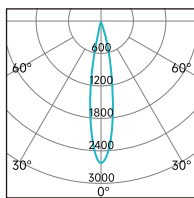
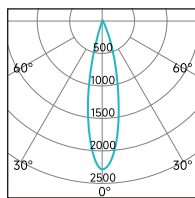
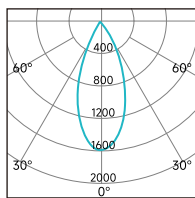
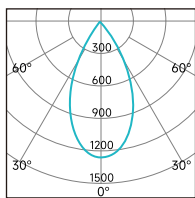
PHOTOMETRIC DATA (NON-DIMMING)

POWER	CCT	CRI	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)
8W	3000K	90	15°	440	48	2780
			24°	570	62	2435
			36°	591	68	1692
			55°	465	73	1349
10W	3000K	90	15°	533	48	4905
			24°	631	57	3106
			36°	655	59	2200
			55°	626	56	951

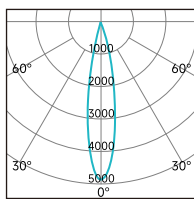
Above test data is based on Adjustable (DF51RA01N) trim with 3000K 90CRI LED.

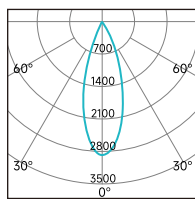
LIGHT DISTRIBUTION

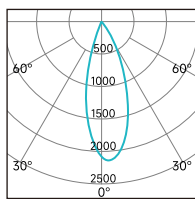
3000K 8W

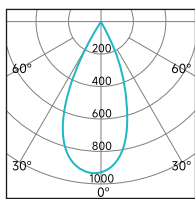
15°				24°				36°				50°			
															
E(lx)	h(m)	D(cm)	E(lx)	h(m)	D(cm)	E(lx)	h(m)	D(cm)	E(lx)	h(m)	D(cm)				
2392	1	38.25	2316	1	47.16	1579	1	65	1259	1	78.57				
598.1	2	76.5	579.1	2	94.32	394.6	2	129.99	314.9	2	157.14				
265.8	3	114.74	257.4	3	141.47	175.4	3	194.99	139.9	3	235.72				
149.5	4	152.99	144.8	4	188.63	98.66	4	259.98	78.71	4	314.29				
95.7	5	191.24	92.66	5	235.79	63.14	5	324.98	50.38	5	392.86				

3000K 10W

15°			
	E(lx)	h(m)	D(cm)
	4940	1	30.39
	1235	2	60.78
	548.9	3	91.17
	308.8	4	121.56
	197.6	5	151.95

24°			
	E(lx)	h(m)	D(cm)
	3104	1	44.7
	776	2	89.39
	344.9	3	134.09
	194	4	178.79
	124.2	5	223.48

36°			
	E(lx)	h(m)	D(cm)
	2186	1	56.77
	546.5	2	113.54
	242.9	3	170.3
	136.6	4	227.07
	87.44	5	283.84

50°			
	E(lx)	h(m)	D(cm)
	940.7	1	94.77
	235.2	2	189.54
	104.5	3	284.31
	58.79	4	379.08
	37.63	5	473.85

Above test data is based on Adjustable (DF51RA01N) with 3000K 90CRI LED.

LUMEN MULTIPLIERS

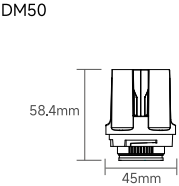
CCT	MULTIPLIER
2700K	0.95
3000K	1.00
3500K	1.04
4000K	1.06

Applying Lumen Multipliers to Calculate Delivered Lumens

Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	=	Delivered Lumens for Desired Fixture
STANDARD TRIM Example: DM50-DF51RA01N 8W 3500K				
440 lm	x	1.04	=	458 lm

DIMENSION

LED Module

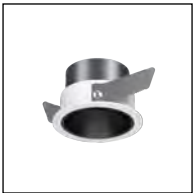
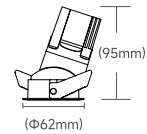


Trim For Hotel Series



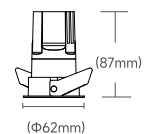
Round Adjustable

DM50-DF51RA01N



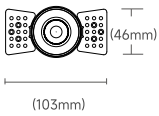
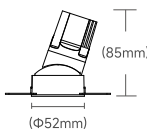
Round Fixed

DM50-DF51RF01N



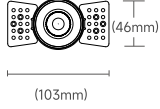
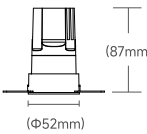
Round Adjustable Trimless

DM50-DF51RA01T



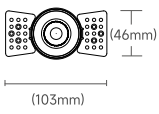
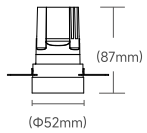
Round Fixed Trimless

DM50-DF51RF01T



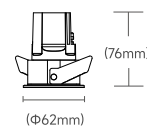
Decorative

DM50-DF51RF02T



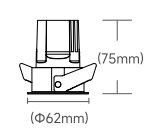
IP65

DM50-DF52RF01N



Mini Hole

DM50-DF52RF02N





DELLA MINI DOWNLIGHT SYSTEM

The Della downlight series offers a complete line of high performance LED luminaires that provide outstanding functionality and quality.

The series features ultra mini 35mm size, high performance standard and uniform floor-to-ceiling wall washing. Multiple power level options and a full line of round and square, trimmed and trimless luminaires offer versatile solutions for various lighting applications. Easy to install, and service.

DETAILS



Scan to know more about product information