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ABTECH Lighting Solutions

NOVA TUNABLE

DATASHEET

12 W · 2700-5000K · DALI DT8

Anti-Glare Deep Recessed Downlight



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NOVA

Tunable 12 W



Description

The NOVA anti-glare deep recessed downlight in a tunable-white version. A two-channel Samsung COB in a TCI holder tunes the light continuously from warm 2700 K to neutral 5000 K at CRI 90+, driven by a 12 W DALI DT8 driver with NFC programming for control of both colour temperature and light level. Deep anti-glare optics, die-cast aluminium body and IP65 front protection.

APPLICATIONS

- Commercial spaces
- Retail environments
- Hospitality projects
- Residential interiors corridors and lobbies ;where adjustable warm-to-neutral white light suits the time of day or the activity.

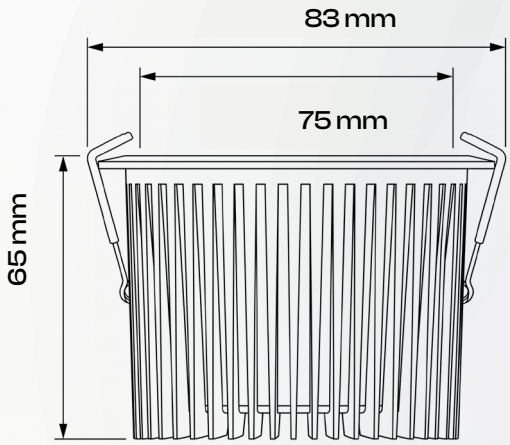
Key Feature

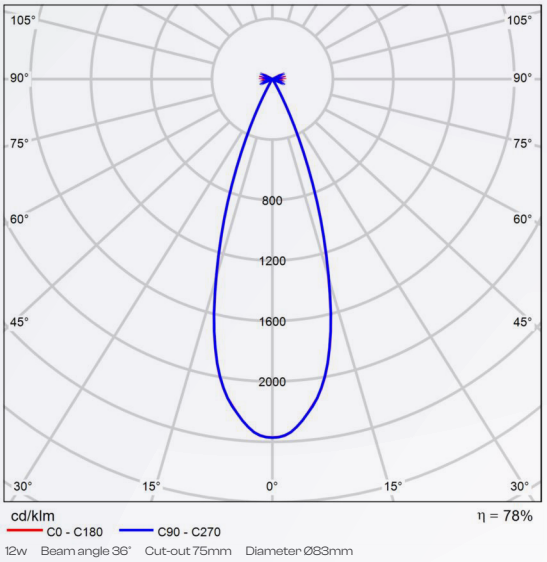
- **Tunable white 2700K – 5000K**
  through two-channel (warm & cool white) COB
- **CRI 90+ · MacAdam 3-step at**
  2700 K / 5-step at 5000 K
- **DALI DT8 control**
  of colour temperature and light level
- **NFC-programmable driver (KGP)**
- **Deep recessed anti-glare reflector**
  UGR <19 (estimated based on optical design)
- **Zhaga-compliant COB holder (TCI)**
- **Die-cast aluminium · IP65 front protection**
- **50,000 h lifetime · 5-year warranty**

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NOVA

Tunable 12 W





TECHNICAL SPECIFICATIONS

Luminaire

Field	Value
Power	12 W
Cut-out	Ø75 mm
Diameter	Ø83 mm
Height	65 mm
CCT	Tunable white 2700K - 5000K
CRI	90+
Beam angle	36°/ 60°
UGR	<19 (estimated based on optical design)
Optical design	Deep recessed anti-glare reflector
Body material	Die-cast aluminium
Finish	Matte White / Matte Black
Heat management	Integrated high-efficiency heat sink
IP rating	IP65 (front)
Input voltage	220-240 V AC
Lifetime	50,000 hours
Warranty	5 years

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Tunable 12 W

Light source

Field	Value
LED type	COB (TCI / Samsung)
COB	Samsung LC010T, T-series tunable, CRI 90+ (2700 K - 5000 K)
Holder	TCI Holder TW E1919GA - COB size 19.3 x 19.3 mm, Zhaga-compliant
Light emitting surface	9.8 mm
Colour consistency	MacAdam 3-step (2700 K) . MacAdam 5-step (5000 K)
Chip flux - 2700 K	988 lm . 99 lm/W
Chip flux - 5000 K	1,149 lm . 116 lm/W

Driver & control

Field	Value
Driver	KGP CC12W100-400CG DALI DT8 NFC
Driver type	External constant current
Output	12 W · 100-400 mA
Control	DALI DT8 - tunable white (colour temperature + dimming)
Programming	NFC

INSTALLATION

- **Type:** recessed ceiling
- **Fixing:** spring-clip system · Cut-out Ø75 mm.
- **External** constant-current DALI DT8 driver — connect to a DALI DT8 control system for colour temperature and dimming.

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