

27K	3K	4K
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IP20 IP65	IP20 IP44	IP20
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			EM3
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Flex-Star

Recessed

Flex-Star is an adjustable compact downlight system, with its elegant design and efficient LED modules. The modules can be combined with various interchangeable trims, making it a perfect solution for your requirements.

- Efficacy of up to 130 lm/W.
- Colour Rendering: Ra90 as standard.
- Colour temperatures: 2700°k, 3000°k or 4000°k as standard.
- Trim Finishes: White (9016)* or Black (9005).
- Colour Trims: White or Black.
- Available with Adjustable or Fixed optics.
- IP65 front bezel cover available (White finish only).
- Available in 12°, 24° beam or 36° beam angles to suit your application**.
- Dimming options: DALI 1-100% Dim, DSI, Switch Dim, Mains Dim.
- Wireless control options: Casambi, in remote housing.
- Remote emergency options: Standard 3hr, Self-Test, Dali addressable or 3Hr Dali Wireless Sentinel.

* Trimless only available in white finish.
Wattage not including driver losses.

Technical

Product	Flex-Star
Mounting type	Recessed Trim
	Trimless
Lumens	1130- 1535 lm
Efficacy	Up to 130 lm/W
Colour Temperature	Soft White (27K)
	Warm White (3K)
	Neutral White (4K)
Beam Angles	12°
	24°
	36°
Dimming	DALI 1-100%, DSI, Mains Dim, Casambi
Emergency	3 hour, DALI, Self-Test, 3 hour DALI Wireless Sentinel
Rendering	Ra90
	IP20
IP Rating	IP44
	IP65 (Front Cover)
Safety Class	Class 1
MacAdam	SDCM 3
L70/B10	>50K

Luminaire Order Builder

FSTAR-T (With trim)

STEP 1. Select Mounting	STEP 2. Current	STEP 3. Optics	STEP 4. CCT	STEP 5. Control	STEP 6. Trim Finish	STEP 7. Reflector	STEP 8. Cover	STEP 9. Emergency
T With Trim housing	25 250mA 1130 Lm - 8.5W	12* 12° degree beam	27K 2700K	FO Fixed Output	W RAL9016M	BR Black Reflector Adjustable	65 IP65 Glass cover (Front only)	E3 Standard 3 Hour remote
	35 350mA 1535 Lm - 12W	24 24° degree beam	3K 3000K	A1 DALI 1-100% Dim	B RAL9005	WR White Reflector Adjustable		ED DALI/EMPRO remote
		36 36° degree beam	4K 4000K	A2 DSI		SR Satin Reflector Adjustable		ES Self-Test remote
				A3 Switch Dim		PW White Pinspot Fixed		EW 3 hour DALI Wireless Sentinel
				MD Mains Dim		PB Black Pinspot Fixed		
				A5 Casambi		44 IP44 White Reflector Non-adjustable		

All electrical and optical data subject to ± 10% tolerances.
Values based on 4000K Colour temperature.
* Only available in 250mA option only.
Wattage not including driver losses.

Example Code: FSTART25244KA1WBR

Luminaire Order Builder

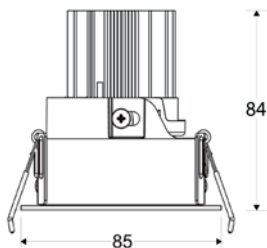
FSTAR-TL (Trimless)

STEP 1. Select Mounting	STEP 2. Current	STEP 3. Optics	STEP 4. CCT	STEP 5. Control	STEP 6. Trim Finish	STEP 7. Reflector	STEP 8. Emergency
TL Trimless housing	25 250mA 1130 Lm - 8.5W	12* 12° degree beam	27K 2700K	FO Fixed Output	W RAL9016M	BR Black Reflector Adjustable	E3 Standard 3 Hour remote
	35 350mA 1535 Lm - 12W	24 24° degree beam	3K 3000K	A1 DALI 1-100% Dim		WR White Reflector Adjustable	ED DALI/EMPRO remote
		36 36° degree beam	4K 4000K	A2 DSI		SR Satin Reflector Adjustable	ES Self-Test remote
				A3 Switch Dim		PW White Pinspot Adjustable	EW 3 hour DALI Wireless Sentinel
				MD Mains Dim		PB Black Pinspot Adjustable	
				A5 Casambi		44 IP44 White Reflector Non-adjustable	

All electrical and optical data subject to ± 10% tolerances.
Values based on 4000K Colour temperature.
* Only available in 250mA option only.
Wattage not including driver losses.

Example Code: FSTARTL25244KA1WBR

P&A Flex-Star

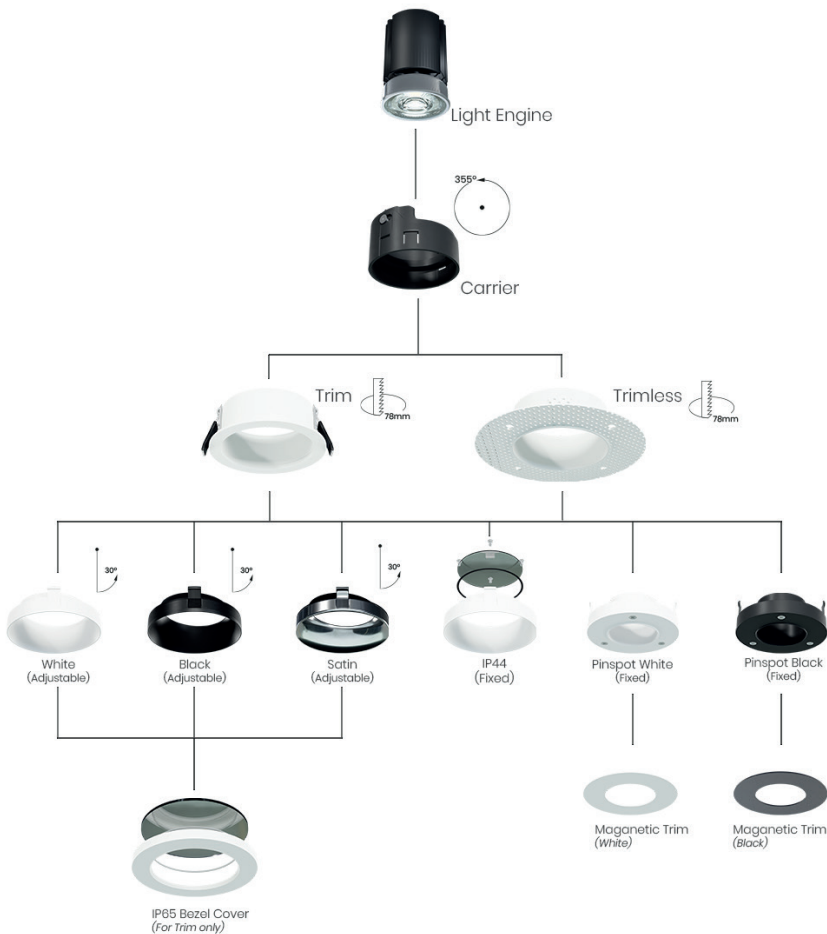


Dimensions

DØ	H	Finish	Code	Colour Swatch
85 (78mm Ceiling Cutout)	84	White	9016M	
		Black	9005	

All dimensions are measured in millimetres (mm)

System Architecture



IP20 Protection of fingers against access to hazardous parts, and protection against objects larger than 12.5mm	IP20 ▲ IP44 ▼	IP44 (Front Only) Protection against solids larger of >1mm, and protection against objects larger than 12.5mm	IP20 ▲ IP65 ▼	IP65 (Front Only) Protection against dust and solid objects. Water jets from any angle (12.5mm nozzle)	 Safety Class Class 1 Safety chassis is connected to earth with a separate terminal, instead of via the mains cable	 5 Year Guarantee	Warranty 5 year Guarantee
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Datasheet Code: **PA-FSTAR-0**

UK CA CE BS EN60598-1:2015
ISO 9001 Certification

