

# 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 the 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.

### 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
<b>T</b> With Trim housing	<b>25</b> 250mA 1130 Lm - 8.5W	<b>12*</b> 12° degree beam	<b>27K</b> 2700K	<b>FO</b> Fixed Output	<b>W</b> RAL9016M	<b>BR</b> Black Reflector Adjustable	<b>65</b> IP65 Glass cover (Front only)	<b>E3</b> Standard 3 Hour remote
	<b>35</b> 350mA 1535 Lm - 12W	<b>24</b> 24° degree beam	<b>3K</b> 3000K	<b>A1</b> DALI 1-100% Dim	<b>B</b> RAL9005	<b>WR</b> White Reflector Adjustable		<b>ED</b> DALI/EMPRO remote
		<b>36</b> 36° degree beam	<b>4K</b> 4000K	<b>A2</b> DSI		<b>SR</b> Satin Reflector Adjustable		<b>ES</b> Self-Test remote
				<b>A3</b> Switch Dim		<b>PW</b> White Pinpoint Fixed		<b>EW</b> 3 hour DALI Wireless Sentinel
				<b>MD</b> Mains Dim		<b>PB</b> Black Pinpoint Fixed		
				<b>A5</b> Casambi		<b>44</b> 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.

Example Code: FSTART25244KA1WBR

## Luminaire Order Builder

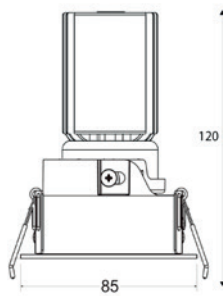
### FSTAR-TL (Trimless)

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	
<b>TL</b> Trimless housing	<b>25</b> 250mA 1130 Lm - 8.5W	<b>12*</b> 12° degree beam	<b>27K</b> 2700K	<b>FO</b> Fixed Output	<b>W</b> RAL9016M	<b>BR</b> Black Reflector Adjustable	<b>E3</b> Standard 3 Hour remote	
	<b>35</b> 350mA 1535 Lm - 12W	<b>24</b> 24° degree beam	<b>3K</b> 3000K	<b>A1</b> DALI 1-100% Dim		<b>WR</b> White Reflector Adjustable		<b>ED</b> DALI/EMPRO remote
		<b>36</b> 36° degree beam	<b>4K</b> 4000K	<b>A2</b> DSI		<b>SR</b> Satin Reflector Adjustable		<b>ES</b> Self-Test remote
				<b>A3</b> Switch Dim		<b>PW</b> White Pinpoint Adjustable		<b>EW</b> 3 hour DALI Wireless Sentinel
				<b>MD</b> Mains Dim		<b>PB</b> Black Pinpoint Adjustable		
				<b>A5</b> Casambi		<b>44</b> 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.

Example Code: FSTARTL25244KA1WBR

# P&A Flex-Star

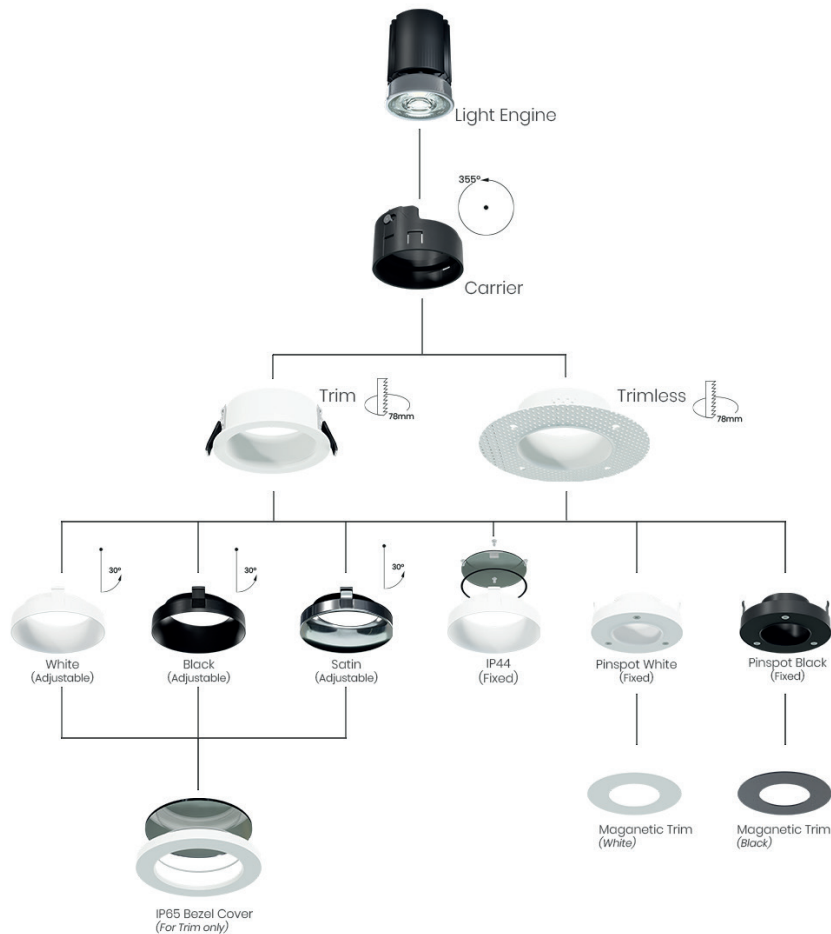


## Dimensions

DØ	H	Finish	RAL	Code	Colour Swatch
85 (78mm Ceiling Cutout)	115*	White	White	9016M	
85 (78mm Ceiling Cutout)	120**	Black	Black	9005	

All dimensions are measured in millimetres (mm)  
 \*250mA version  
 \*\* 350mA version

## System Architecture



<b>IP20</b>	IP20 Protection of fingers against access to hazardous parts, and protection against objects larger than 12.5mm	<b>IP20</b> ▲ <b>IP44</b> ▼	IP44 (Front Only) Protection against solids larger of >1mm, and protection against objects larger than 12.5mm	<b>IP20</b> ▲ <b>IP65</b> ▼	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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