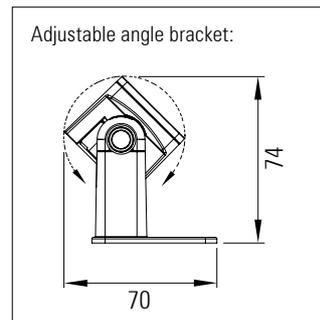# RADIANT
ARCHITECTURAL LIGHTING

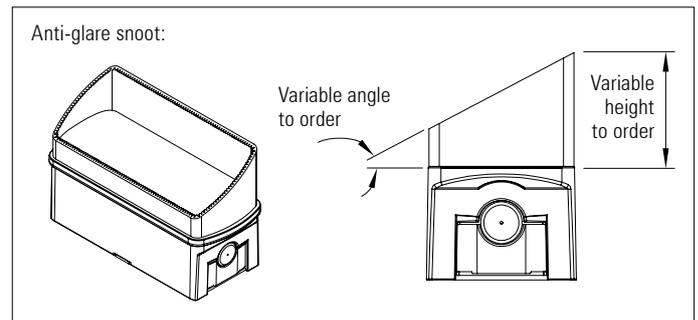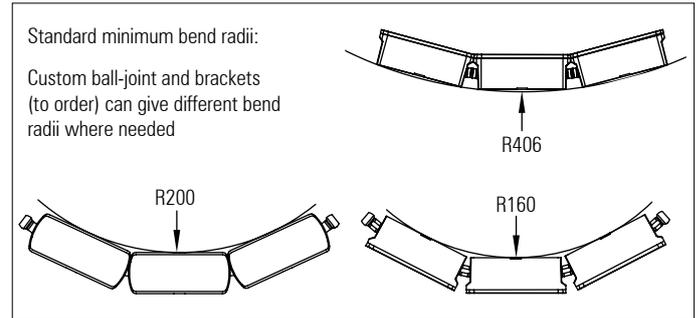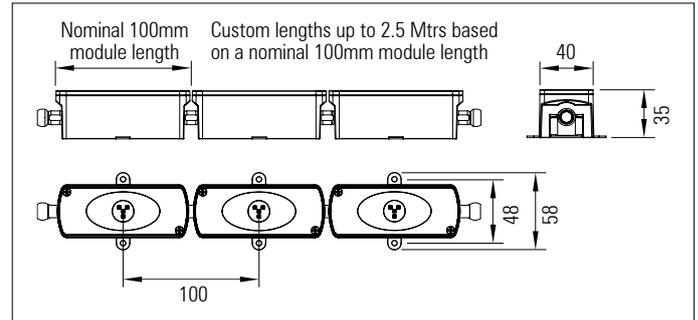# 3D LED Flex 40 RGBW IP20
1 x RGBW LED array with asymmetric white reflector per module

Modular, 3D flexible LED linear lighting system

Nominal 100mm module length   Custom lengths up to 2.5 Mtrs based on a nominal 100mm module length   40   35   48   58   100

Standard minimum bend radii:

Custom ball-joint and brackets (to order) can give different bend radii where needed

R406   R200   R160

Anti-glare snoot:

Variable angle to order   Variable height to order

Adjustable angle bracket:

74   70

1 x RGBW LED array with asymmetric white reflector per module

Modular, 3D flexible LED linear lighting system

Product description:

For use in interior lighting applications where the building surfaces are non linear with curved profiles

Each module - 4 x Luxeon Z or C LEDs

High efficiency asymmetric white reflector

Up to 4.5 Watts per 100mm module. Up to 48 V DC supply

Flexible in 3 dimensions - Articulated ball-joint system between modules

LED pitch is maintained between the modules

Side, back and end power feed and connector options allow for continuous lighting with no dark areas between fixtures. 16 Amp IP20 connectors join fixtures together on-site

Integral LV constant current driver or remote Eldoled 4 Channel DMX driver

Remote DMX / DALI controller can be located up to 50 mtrs from the LED system

Satin black, satin white or any RAL paint colour finish

Custom lengths based on a 100 mm module up to 2.5 mtrs

Various mounting options and bracket types are available

Product Code	No. of LEDs per mtr.	IP	Length (mm)	LED Type	Optics (°)	Colour Temp. (K)	CRI	Cover	Bracket Type	Feed	Finish
RAD 3D LED FLEX 40 IP20 RGBW - 4	40 LEDs per Mtr: (100mm spacing between LED arrays)	20	100mm -increments of 100mm up to- 2,500mm	Luxeon Z LEDs Luzeon C LEDs	120°	27=2,700k 30=3,000k 35=3,500k 40=4,000k 45=4,500k 50=5,000k RGB RGBW RGBA Dynamic white	80 90	Clear Frosted Opal	Adjustable Fixed Custom	End Back Side	Black White Any RAL-colour

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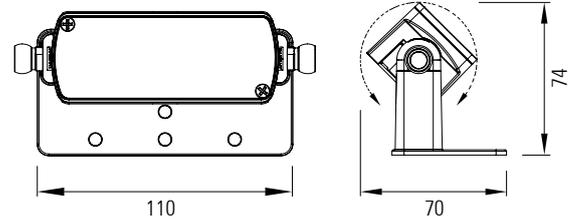DAVID MORGAN ASSOCIATES

3D LED Flex 40 RGBW IP20

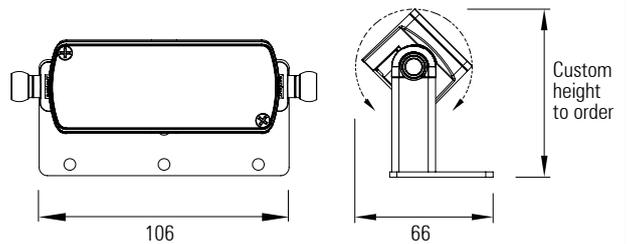1 x RGBW LED array with asymmetric white reflector per module
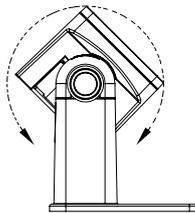
Adjustable angle mounting bracketry

Standard IP20 adjustable angle mounting bracket
Polycarbonate. Black or white finish.

110   70   74

Custom height IP20 adjustable angle mounting bracket
Aluminium. Powder coat finish.

106   66   Custom height to order

The angle of the modules can be adjusted by hand on-site

Adjustable angle mounting bracketry for 3D LED Flex 40 IP20
1 x RGBW LED array with asymmetric white reflector per module

The 3D LED Flex 40 system is flexible in 3 dimensions, which allows it to follow curved building contours. Once they have been fixed to the building surface, adjustable angle brackets allow the modules to be rotated around the major axis, so that the light output can be aimed precisely.

The angle of the modules can be adjusted by hand easily on-site. The friction ball-joint system keeps the modules correctly positioned. There is also a lockable option, which allows each module to be locked in place using an Allen key once it is correctly positioned.

A standard height version and a custom height version are available.
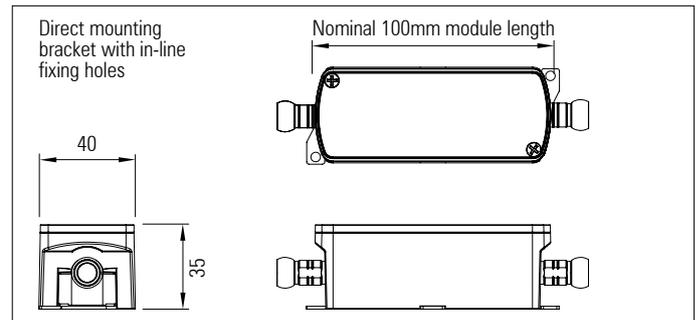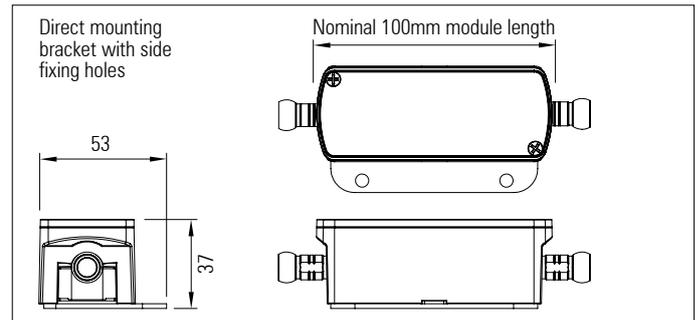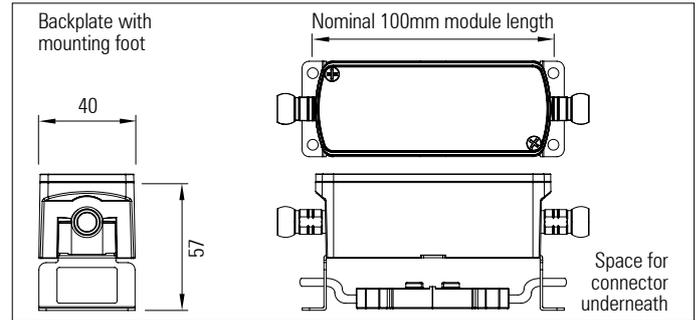
Custom options are also available.

The standard height bracket is made from polycarbonate and is available in black or white.

The custom-height bracket is made from aluminium with a powder coat finish which is available in satin black, satin white or any RAL paint colour finish.

Product code	IP	Finish	Height of legs (mm)
RAD 3D LED FLEX BRACKET IP20 PC RAD 3D LED FLEX BRACKET CUSTOM HEIGHT AL	20	Polycarbonate: Black White Aluminium: Black White Any RAL colour	Custom height version only: 20mm -increments of 5mm up to- 300mm

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3D LED Flex 40 RGBW IP20

1 x RGBW LED array with asymmetric white reflector per module

Fixed angle mounting bracketry

Backplate with direct fixing tabs

Nominal 100mm module length

58

35

Backplate with mounting foot

Nominal 100mm module length

40

57

Space for connector underneath

Direct mounting bracket with side fixing holes

Nominal 100mm module length

53

37

Direct mounting bracket with in-line fixing holes

Nominal 100mm module length

40

35
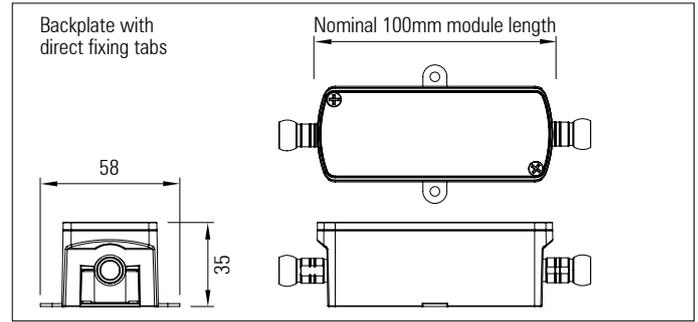
Product code	IP	Finish
RAD 3D LED FLEX 40 IP20 BRACKET DIRECT FIXING TABS	20	Black White Any RAL colour
RAD 3D LED FLEX 40 IP20 BRACKET WITH MOUNTING FOOT		
RAD 3D LED FLEX 40 IP20 DIRECT MOUNTING BRACKET SIDE FIXING		
RAD 3D LED FLEX 40 IP20 DIRECT MOUNTING BRACKET IN-LINE FIXING		
RAD 3D LED FLEX 40 IP20 DIRECT MOUNTING L-BRACKET FRONT FIXING		
RAD 3D LED FLEX 40 IP20 DIRECT MOUNTING L-BRACKET		

Backplate with L-bracket

Nominal 100mm module length

40

55

Backplate with L-bracket and front release plate for applications where the fixture needs to be fixed in place from the front

Nominal 100mm module length

40

55

![Radiant Architectural Lighting logo](RADIANT ARCHITECTURAL LIGHTING)
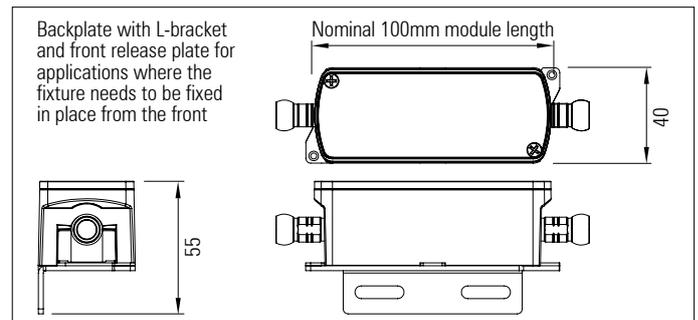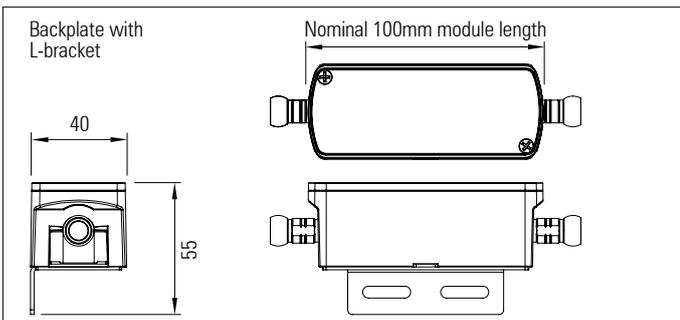
3D LED Flex 40 RGBW IP20

1 x RGBW LED array with asymmetric white reflector per module

Anti-glare accessories

All snoots can be ordered to custom heights and can be given an angled side profile

Variable angle to order

Variable height to order

32

Standard no-blade snoot

Two colour snoots - The finish of the interior louvre section can be different from the outer finish of the fixture. E.g. white exterior body finish with black interior louvre section. This reduces the glare, providing excellent visual comfort, whilst the outer finish of the fixture perfectly matches the surrounding location

3D LED FLEX 40 anti-glare accessories

For use with the 3D LED Flex 40 system IP20 to control light glare from the LEDs when the fixtures are not fully recessed

3 blade, 1 blade and no blade snoots are available for lensed and non lensed versions, and for when the modules have 1, 2 or 4 LEDs

Satin black, satin white or any RAL paint colour finish. Two colour versions are also available - eg. white finish on exterior & black finish on interior of snoot. Both interior and exteior parts can be any RAL colour paint finish, or any anodised finish

Custom height to order. Straight or any custom cut angle side-profile to order

The honeycomb louvre accessory provides excellent glare control with a low profile

Product Code	No. of blades	IP	Height (mm)	Cut angle of side-profile (°)	Finish
RAD 3D LED FLEX 40 SNOOT	0 1 3	20	20mm -increments of 5 mm up to-100mm	0° -increments of 5° up to- 75°	Black White Any RAL colour Two colour - both parts can be any anodised or any RAL colour
RAD 3D LED FLEX 40 HONEY-COMB	NA	20	NA	NA	Black

Honeycomb louvre accessory

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