

FABRICATED BRACKETS

Abbey Bracket

Column Bracket

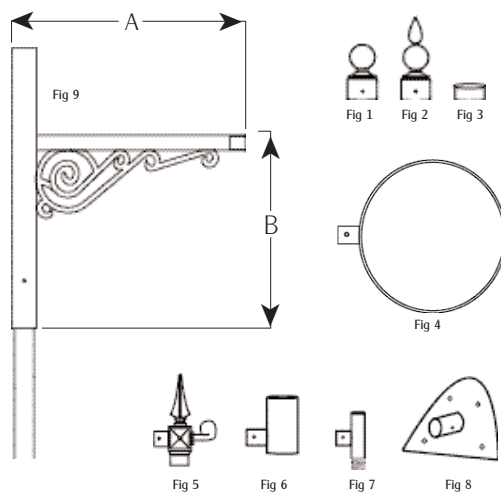
A = Outreach	0.75m		1.0m		1.25m		1.5m	
B = Brkt Height	640mm		640mm		640mm		640mm	
Ø column / Ø spigot	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Ø 76mm / Ø 60mm	15.9	0.12	19.0	0.16	21.3	0.20	22.4	0.21
Ø 88mm / Ø 76mm	18.6	0.13	20.7	0.17	22.8	0.20	23.9	0.22
Ø 114mm / Ø 101mm	25.6	0.15	27.7	0.19	29.8	0.23	30.8	0.24
Ø 139mm / Ø 127mm	33.1	0.17	35.2	0.21	37.3	0.25	38.4	0.26

Options

The fabricated Abbey bracket has a laser cut gusset detail made from 5mm steel-plate, this enables the bracket to be galvanised to ensure maximum protection. When specifying this bracket it is important to consider which luminaire is being applied, the method differs between the different luminaires and therefore a range of options must be considered. For pendant luminaires a pendant casting will be added to the outreach arm, or a plain end for side entry luminaires, likewise for frog mounted a spigot is required, of either 76mm or 60mm. Some modern luminaires will require an angled flange plate while heritage luminaires can be frame mounted below the tent. The lantern will then dictate the frame dimensions. A variety of bracket combinations, from double to four-way options, are available upon request.

Wall Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
C = Fixing Centres	310mm		310mm		410mm		410mm	
D = Fixing Centres	355mm		355mm		500mm		500mm	
Weight & Windage	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Wall Mounted	15.2	0.07	17.3	0.10	20.6	0.15	21.7	0.16



Illustrations

Column Finials

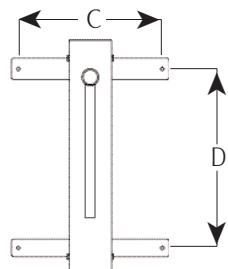
- Fig 1 Ball finial
- Fig 2 Ball and spike finial
- Fig 3 Plain cap

Frame Bracket

- Fig 4 Frame bracket for Grosvenor medium

Bracket Entries

- Fig 5 Cast pendant entry
- Fig 6 Spigot entry for frog mounted lanterns
Available in 60mm and 76mm diameter
- Fig 7 Plain tube threaded entry
- Fig 8 Flange plate entry for Sydney luminaires
- Fig 9 Side entry



Column Brackets

Specification Details

The column and wall brackets are fabricated from tubular steel, finished with the appropriate decoration, then hot dip galvanised to BSEN1461; this ensures maximum protection and minimum maintenance requirements. The column brackets are supplied with an internal spigot pipe that will insert into the top of the column offering additional security and strength. This will also ensure the column shaft continues through to the bracket arms without any visual transition.

It is important to remember when specifying column brackets that the column height will need to be adjusted to accommodate the design height for the project in question. There are several factors to take into consideration; the bracket height and the choice of pendant, side entry or spigot mounting will also add to or reduce the overall lamp height, and lastly the choice of luminaire, as each will have a different lamp centre in relation to the luminaire body. The weights and windages for the brackets are included in the tables, this may ultimately increase the wall thickness of the column shaft and will need to be identified when specifying the bracket, as the internal spigot diameters will need to be adjusted to the smaller internal diameter. In addition, the cut down column will need two sets of three equidistant screw positions tapped into the column to ensure the bracket cannot rotate.

Wall Brackets

Specification Details

The wall bracket dimensions within the tables include the fixing centres, both horizontal and vertical. The brackets have been designed for ease of installation. A loop capture at the top of the bracket will ensure that the unit can be easily fitted to the previously secured wall box. This ensures that terminations can be made without the need to hold the full weight of the bracket; when dropped into place the securing screws line up to the tapped holes provided. The weights and windages of the brackets are provided, it is important that these are added to the weight and windage of the luminaire and the securing points are checked for the combined loading.

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FABRICATED BRACKETS

Column Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
B = Brkt Height	640mm		640mm		640mm		640mm	
Ø column / Ø spigot	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Ø 76mm / Ø 60mm	17.2	0.16	18.5	0.18	20.5	0.21	21.3	0.22
Ø 89mm / Ø 76mm	20.6	0.18	22.6	0.20	24.4	0.22	25.7	0.24
Ø 114mm / Ø 101mm	27.8	0.21	29.8	0.23	31.5	0.25	32.9	0.27
Ø 139mm / Ø 127mm	34.2	0.24	36.2	0.26	37.9	0.28	39.3	0.30

Options

When specifying the Arc brackets it is important to consider which luminaire is being applied, the method differs between the different luminaires and therefore a range of options must be considered. The Arc Bracket is only suited to a pendant luminaire. A coupling can be added to the arm, to provide quick fit entry or alternatively a threaded entry of 1 1/4" BSP (male) for threaded lantern couplings. A variety of bracket combinations, from double to four-way options, are available upon request.

Wall Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
C = Fixing Centres	310mm		310mm		410mm		410mm	
D = Fixing Centres	355mm		355mm		500mm		500mm	
Weight & Windage	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Wall Mounted	14.9	0.09	19.8	0.12	25.4	0.15	26.9	0.17

Column Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
B = Brkt Height	640mm		640mm		840mm		840mm	
Ø column / Ø spigot	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Ø 76mm / Ø 60mm	16.9	0.15	18.2	0.17	20.2	0.20	21.0	0.21
Ø 88mm / Ø 76mm	20.3	0.17	22.3	0.19	24.1	0.21	25.4	0.23
Ø 114mm / Ø 101mm	27.5	0.20	29.5	0.22	31.2	0.24	32.6	0.26
Ø 139mm / Ø 127mm	33.9	0.23	35.9	0.25	37.6	0.27	39.0	0.29

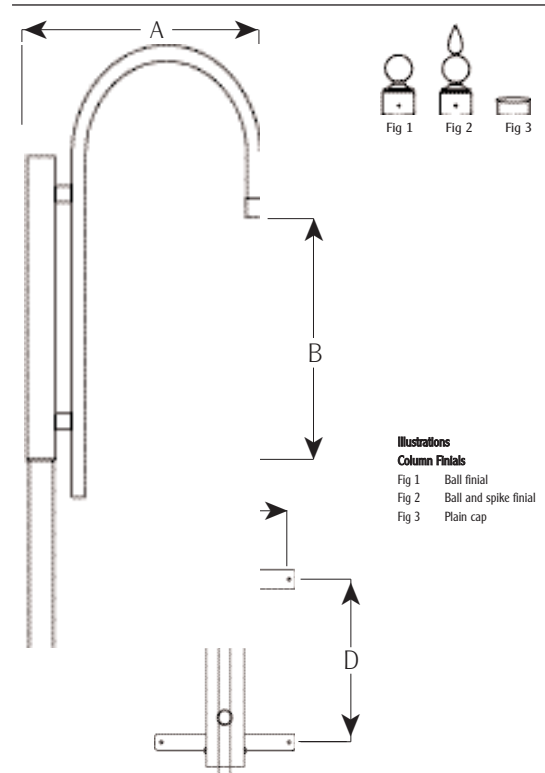
Options

When specifying the Camber bracket it is important to consider which luminaire is being applied, the method differs between the different luminaires and therefore a range of options must be considered. For pendant luminaires a pendant casting will be added to the outreach arm, or a plain end for side entry luminaires, likewise for frog mounted a spigot is required, either a 76mm or 60mm. Some modern luminaires will require an angled flange plate to suit the luminaire. Heritage luminaires can also be frame mounted below the tent. The lantern will then dictate the frame dimensions. A variety of bracket combinations, from double to four-way options, are available upon request.

Wall Bracket

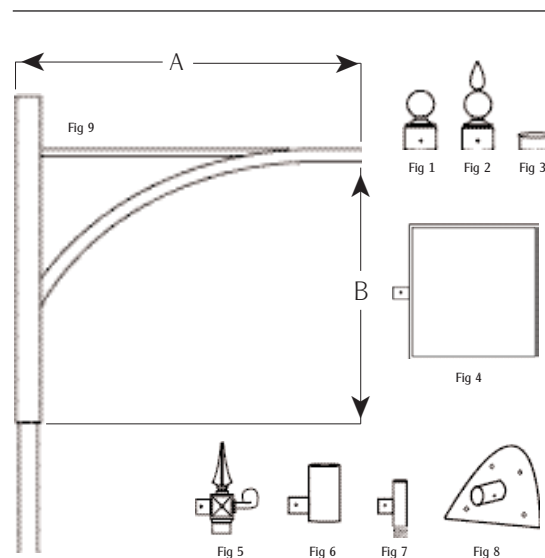
A = Outreach	0.75m		1.0m		1.25m		1.5m	
C = Fixing Centres	310mm		310mm		410mm		410mm	
D = Fixing Centres	355mm		355mm		500mm		500mm	
Weight & Windage	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Wall Mounted	14.7	0.08	19.6	0.11	25.1	0.14	26.6	0.16

Arc Bracket



Illustrations
Column Finials
 Fig 1 Ball finial
 Fig 2 Ball and spike finial
 Fig 3 Plain cap

Camber Bracket



Illustrations
Column Finials
 Fig 1 Ball finial
 Fig 2 Ball and spike finial
 Fig 3 Plain cap
Frame Bracket
 Fig 4 Frame bracket for Windsor medium
Bracket Entries
 Fig 5 Cast pendant entry
 Fig 6 Spigot entry for frog mounted lanterns
 Available in 60mm and 76mm diameter
 Fig 7 Plain tube threaded entry
 Fig 8 Flange plate entry for Sydney luminaires
 Fig 9 Side entry

FABRICATED BRACKETS

Three Ring Bracket

Column Bracket

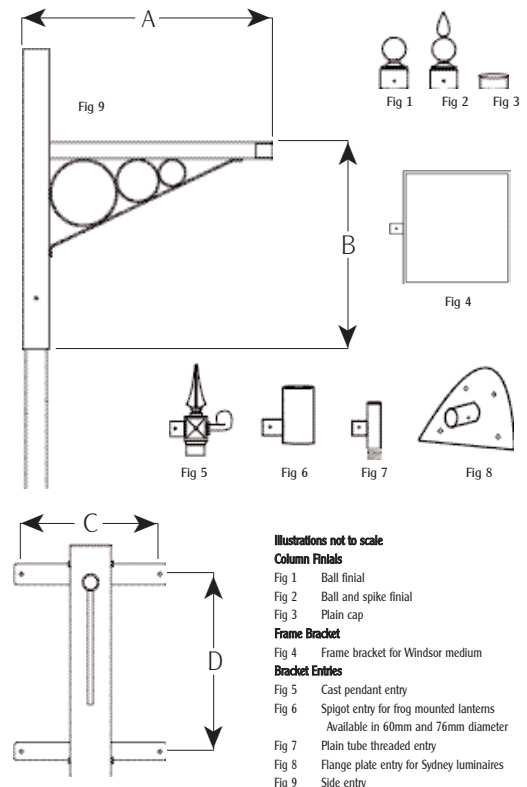
A = Outreach	0.75m		1.0m		1.25m		1.5m	
B = Brkt Height	640mm		640mm		640mm		640mm	
Ø column / Ø spigot	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Ø 76mm / Ø 60mm	17.3	0.12	19.4	0.13	21.4	0.15	22.5	0.16
Ø 88mm / Ø 76mm	20.1	0.13	21.2	0.14	22.9	0.16	24.0	0.17
Ø 114mm / Ø 101mm	27.0	0.15	28.1	0.16	29.9	0.18	30.9	0.19
Ø 139mm / Ø 127mm	34.5	0.17	35.6	0.18	37.4	0.20	38.5	0.21

Options

When specifying the Three Ring bracket it is important to consider which luminaire is being applied, the method differs between the different luminaires and therefore a range of options must be considered. For pendant luminaires a pendant casting will be added to the outreach arm, or a plain end for side entry luminaires, likewise for frog mounted a spigot is required either of 76mm or 60mm. Some modern luminaires will require an angled flange plate to suit the luminaire. Heritage luminaires can also be frame mounted below the tent. The lantern will then dictate the frame dimensions. A variety of bracket combinations, from doubles to four-way options, are available upon request.

Wall Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
C = Fixing Centres	310mm		310mm		410mm		410mm	
D = Fixing Centres	355mm		355mm		500mm		500mm	
Weight & Windage	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Wall Mounted	16.6	0.06	17.7	0.07	20.7	0.10	21.8	0.11



Column Brackets

Specification Details

The columns and wall brackets are fabricated from tubular steel, finished with the appropriate decoration, then hot dip galvanised to BSEN1461; this ensures maximum protection and minimum maintenance requirements. The column brackets are supplied with an internal spigot pipe that will insert into the top of the column offering additional security and strength. This will also ensure the column shaft continues through to the bracket arms without any visual transition.

It is important to remember when specifying column brackets that the column height will need to be adjusted to accommodate the design height for the project in question. There are several factors to take into consideration; the bracket height and the choice of pendant, side entry or spigot mounting will also add to or reduce the overall lamp height, and lastly the choice of luminaire, as each will have a different lamp centre in relation to the luminaire body. The weights and windages for the brackets are included in the tables, this may ultimately increase the wall thickness of the column shaft and will need to be identified when specifying the bracket, as the internal spigot diameters will need to be adjusted to the smaller internal diameter. In addition, the cut down column will need two sets of three equidistant screw positions tapped into the column to ensure the bracket cannot rotate.

Wall Brackets

Specification Details

The wall bracket dimensions within the tables include the fixing centres, both horizontal and vertical. The brackets have been designed for ease of installation. A hinged capture at the top of the bracket will ensure that the unit can be easily fitted to the previously secured wall box. This ensures that terminations can be made without the need to hold the full weight of the bracket; when dropped into place the securing screws line up to the tapped holes provided. The weights and windages of the brackets are provided, it is important that these are added to the weight and windage of the luminaire and the securing points are checked for the combined loading.

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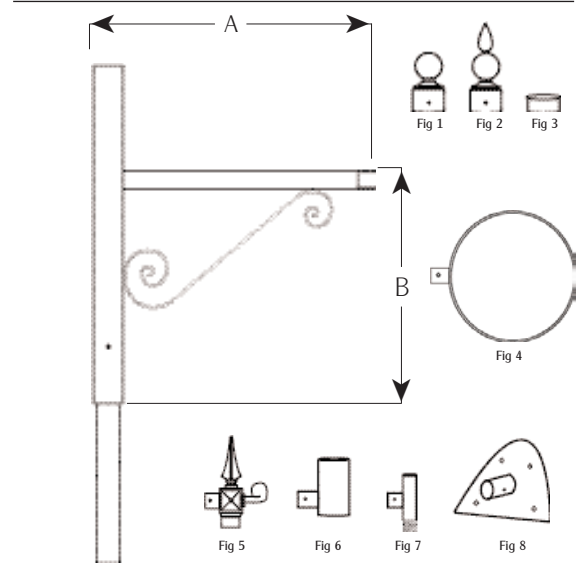
Scroll Bracket

Column Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
B = Brkt Height	640mm		640mm		640mm		640mm	
Ø column / Ø spigot	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Ø 76mm / Ø 60mm	16.1	0.11	18.2	0.12	19.9	0.14	21.0	0.15
Ø 88mm / Ø 76mm	18.9	0.12	20.0	0.13	21.4	0.15	22.5	0.16
Ø 114mm / Ø 101mm	25.8	0.14	26.9	0.15	28.3	0.17	29.4	0.18
Ø 139mm / Ø 127mm	33.3	0.16	34.4	0.18	35.8	0.19	37.0	0.20

Options

When specifying the Scroll bracket it is important to consider which luminaire is being applied, the method differs between the different luminaires and therefore a range of options must be considered. For pendant luminaires, a pendant casting will be added to the outreach arm, or a plain end for side entry luminaires, likewise for frog mounted a spigot is required either of 76mm or 60mm. Some modern luminaires will require an angled flange plate to suit the luminaire. Heritage luminaires can also be frame mounted below the tent. The lantern will then dictate the frame dimensions. A variety of bracket combinations, from double to four-way options, are available upon request.



Illustrations not to scale

Column Finials

- Fig 1 Ball finial
- Fig 2 Ball and spike finial
- Fig 3 Plain cap

Frame Bracket

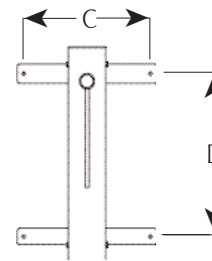
- Fig 4 Frame bracket for Guildhall medium

Bracket Entries

- Fig 5 Cast pendant entry
- Fig 6 Spigot entry for frog mounted lanterns
Available in 60mm and 76mm diameter
- Fig 7 Plain tube threaded entry
- Fig 8 Flange plate entry for Sydney luminaires
- Fig 9 Side entry

Wall Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
C = Fixing Centres	310mm		310mm		410mm		410mm	
D = Fixing Centres	355mm		355mm		500mm		500mm	
Weight & Windage	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Wall Mounted	15.4	0.06	16.5	0.07	19.2	0.10	20.3	0.10



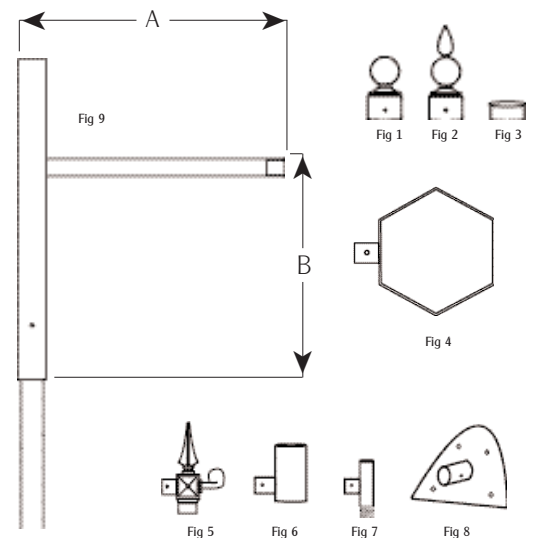
Column Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
B = Brkt Height	640mm		640mm		640mm		640mm	
Ø column / Ø spigot	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Ø 76mm / Ø 60mm	14.9	0.12	17.0	0.12	18.3	0.13	19.4	0.14
Ø 88mm / Ø 76mm	17.6	0.11	18.7	0.13	19.8	0.14	20.9	0.15
Ø 114mm / Ø 101mm	24.6	0.14	25.7	0.15	26.8	0.16	27.8	0.17
Ø 139mm / Ø 127mm	32.1	0.16	33.2	0.17	34.3	0.18	35.4	0.20

Options

When specifying the Direct brackets it is important to consider which luminaire is being applied, the method differs between the different luminaires and therefore a range of options must be considered. For pendant luminaires a pendant casting will be added to the outreach arm, or a plain end for side entry luminaires, likewise for frog mounted a spigot is required either a 76mm or 60mm. Some modern luminaires will require an angled flange plate to suit the luminaire. Heritage luminaires can also be frame mounted below the tent. The lantern will then dictate the frame dimensions. A variety of bracket combinations, from double to four-way options, are available upon request.

Direct Bracket



Illustrations not to scale

Column Finials

- Fig 1 Ball finial
- Fig 2 Ball and spike finial
- Fig 3 Plain cap

Frame Bracket

- Fig 4 Frame bracket for Westminster medium

Bracket Entries

- Fig 5 Cast pendant entry
- Fig 6 Spigot entry for frog mounted lanterns
Available in 60mm and 76mm diameter
- Fig 7 Plain tube threaded entry
- Fig 8 Flange plate entry for Sydney luminaires
- Fig 9 Side entry

Wall Bracket

A = Outreach	0.75m		1.0m		1.25m		1.5m	
C = Fixing Centres	310mm		310mm		410mm		410mm	
D = Fixing Centres	355mm		355mm		500mm		500mm	
Weight & Windage	Kg's	m ²	Kg's	m ²	Kg's	m ²	Kg's	m ²
Wall Mounted	14.1	0.05	15.3	0.06	17.6	0.08	18.7	0.09

Additional Options

The Direct Bracket offers a simple uncluttered option. However, care must be taken as without a decorative gusset the outreach will be limited by the weight of the lantern. This bracket offers the flexibility of custom designed gussets for individual projects. These designs can be laser cut from sheet steel which are, when welded into place, galvanised. This service provides a cost effective solution for individualised schemes.