

SPECIFICATION FOR LIGHTING COLUMNS

APPENDIX A: TYPE APPROVED PASSIVELY SAFE LIGHTING COLUMNS

NOTES:

1. Existing lighting columns deemed compliant by Waka Kotahi NZ Transport Agency under the previous TNZ/NZTA M19 Specification and currently in use in New Zealand being formed or rolled from steel sheet (up to 3mm wall thickness) or aluminium, of tubular segmental construction, are deemed to satisfy the passive safety (frangibility) requirements for the performance classes 70:LE and 70:HE (for ground planted type) and 100:NE (for shear base type) of this Specification and have been listed in the table of type approved columns below.
2. Ground planted road lighting columns classified as 70:LE and/or 70:HE may be installed on State highways with a permanent posted speed limit of greater than 80km/h when placed behind an accepted road safety barrier system, with a minimum clearance of 1m between the traffic face of the lighting column and the rearmost component of the barrier system.
3. All column and outreach combinations must be checked to confirm capability to support heavy (>15kg) luminaires.
3. Multiple (double, triple or quad) outreaches are subject to site specific design, hence are not generally listed herein. Contact the respective supplier for details.
4. Should Waka Kotahi NZ Transport Agency discover for any column listed below that the qualification testing was flawed, that in-service performance reveals unacceptable safety problems, or that the column being marketed differs significantly from that which was type approved, Waka Kotahi reserves the right to modify or revoke the type approval.

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TYPE APPROVED PASSIVELY SAFE LIGHTING COLUMNS

Performance Class 100:NE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
CSP Pacific Ltd 306 Neilson Street Onehunga AUCKLAND	Modular steel octagonal section lighting column on shear base Nom mounting height: varies Outreach: single only, up to 4m, curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	6mm thick, 1.7m, 2.4m or 3m ground stub (dependant on column height)	Previously approved under TNZ M19	Installation must be as per NZTA Technical Memo TM-2007 <i>6 monthly inspection and re-torque of bolts required.</i> Includes Oclyte Short Stub™ (refer letter SP2-0019, dated 27 June 2006) Column/outreach design must be checked for heavy (>15kg) luminaires.
GESS Columns (Valmont Industries China) 12 Offenhauser Drive East Tamaki Auckland	Modular steel octagonal section lighting column on shear base Nom mounting height: varies Outreach: single only, up to 4m, curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	6mm thick, 1.5m or 2m ground stub (dependant on column height)	7 December 2015	Installation must be as per NZTA Technical Memo TM-2007 <i>6 monthly inspection and re-torque of bolts required.</i> Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 100:NE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
IBEX Lighting 2 Matarawa Place Tauriko Tauranga 3171	Modular steel octagonal section lighting column on shear base Nom mounting height: varies Outreach: single only, up to 4m, curved or mitred	Galvanised mild steel. Min yield 235MPa. 4mm maximum wall thickness.	6mm thick, up to 2.8m ground stub (dependant on column height)	24 July 2023	Installation must be as per NZTA Technical Memo TM-2007 <i>6 monthly inspection and re-torque of bolts required.</i> Column/outreach design must be checked for heavy (>15kg) luminaires.
International Utility Poles Pty Ltd 17 Airds Road Minto New South Wales 2566 AUSTRALIA	Modular steel octagonal section lighting column on shear base Nom mounting height: varies Outreach: single only, up to 4m, curved, or mitred	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	6mm thick, 1.8m or 2.4m ground stub (dependant on column height)	20 Dec 2018	Installation must be as per NZTA Technical Memo TM-2007 <i>6 monthly inspection and re-torque of bolts required.</i> Column/outreach design must be checked for heavy (>15kg) luminaires.
Spunlite Poles Ltd 611 Halswell Jn Rd Hornby CHRISTCHURCH	Modular steel octagonal section lighting column on shear base Nom mounting height: varies Outreach: single only, up to 4m, curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	6mm thick, 1.8m, 2.4m or 3m ground stub (dependant on column height)	Previously approved under TNZ M19	Installation must be as per NZTA Technical Memo TM-2007 <i>6 monthly inspection and re-torque of bolts required.</i> Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 100:NE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
Steelgal Industries Ltd 8 Trugood Drive East Tamaki AUCKLAND	Modular steel octagonal section lighting column on shear base Nom mounting height: varies Outreach: single only, up to 4m, curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	6mm thick, 1.5m, 1.8m, 2m, 2.4m or 3m ground stub (dependant on column height)	Previously approved under TNZ M19 1.5m & 2m shear base stubs accepted Feb 2017	Installation must be as per NZTA Technical Memo TM-2007 <i>6 monthly inspection and re-torque of bolts required.</i> Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 100:LE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes

Performance Class 100:HE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes

Performance Class 70:NE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes

Performance Class 70:LE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
CSP Pacific Ltd 306 Neilson Street Onehunga AUCKLAND	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 12m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted or Flange Mounted	Previously approved under TNZ M19	Column/outreach design must be checked for heavy (>15kg) luminaires.
ENI Engineering Ltd 18 Produce Place Islington CHRISTCHURCH 8042	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 11.3m Outreach: single only, up to 3m mitred	Galvanised mild steel. Min yield 250MPa. 2mm maximum wall thickness	Ground planted or Flange mounted	15 April 2015	Column/outreach design must be checked for heavy (>15kg) luminaires.
GESS Columns (Valmont Industries China) 12 Offenhauser Drive East Tamaki Auckland	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 14m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted or Flange Mounted	7 December 2015	Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 70:LE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
IBEX Lighting 2 Matarawa Place Tauriko Tauranga 3171	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 14m Outreach: single or double, up to 4m curved or mitred	Galvanised mild steel. Min yield 235MPa. 3mm maximum wall thickness. 4mm wall thickness only where installed behind road safety barrier	Ground planted or Flange Mounted	24 July 2023	Column/outreach design must be checked for heavy (>15kg) luminaires.
International Utility Poles Pty Ltd 17 Airids Road Minto New South Wales 2566 AUSTRALIA	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 13.5m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted	20 Dec 2018	Column/outreach design must be checked for heavy (>15kg) luminaires.
Spunlite Poles Ltd 611 Halswell Jn Rd Hornby CHRISTCHURCH	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 12m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted or Flange Mounted	Previously approved under TNZ M19	Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 70:LE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
Steelgal Industries Ltd 8 Trugood Drive East Tamaki AUCKLAND	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 12m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted or Flange Mounted	Previously approved under TNZ M19	Column/outreach design must be checked for heavy (>15kg) luminaires.
Wagners CFT 11 Ballera Court, Wellcamp Queensland 4350 AUSTRALIA	Ground planted, single section a) Up to 7m nominal mounting height, 1.5m single outreach b) 9m nominal mounting height, 2.5m single or double outreach	Fibre Reinforced Plastic (FRP)	Ground Planted	1 April 2021	Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 70:HE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
CSP Pacific Ltd 306 Neilson Street Onehunga AUCKLAND	Modular steel octagonal section lighting column, ground planted Nom mounting height: up to 12m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted	Previously approved under TNZ M19	Column/outreach design must be checked for heavy (>15kg) luminaires.
ENI Engineering Ltd 18 Produce Place Islington CHRISTCHURCH 8042	Modular steel octagonal section lighting column, ground planted Nom mounting height: up to 11.3m Outreach: single only, up to 3m mitred	Galvanised mild steel. Min yield 250MPa. 2mm maximum wall thickness	Ground planted	15 April 2015	Column/outreach design must be checked for heavy (>15kg) luminaires.
GESS Columns 12 Offenhauser Drive East Tamaki Auckland	Modular steel octagonal section lighting column, ground planted Nom mounting height: up to 14m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted	7 December 2015	Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 70:HE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
GESS Columns 12 Offenhauser Drive East Tamaki Auckland	<i>GESS Impact Absorbing Poles</i> Modular steel octagonal section lighting column, ground plant or flange mounted Nom mounting height: up to 12m Outreach: single only, up to 3m curved or mitred	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted or Flange Mounted	24 July 2023	Column/outreach design must be checked for heavy (>15kg) luminaires.
IBEX Lighting 2 Matarawa Place Tauriko Tauranga 3171	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 14m Outreach: single or double, up to 4m curved or mitred	Galvanised mild steel. Min yield 235MPa. 3mm maximum wall thickness. (4mm wall thickness only where installed behind accepted road safety barrier)	Ground planted or Flange Mounted	24 July 2023	Column/outreach design must be checked for heavy (>15kg) luminaires.
International Utility Poles Pty Ltd 17 Airds Road Minto New South Wales 2566 AUSTRALIA	Modular steel octagonal section lighting column, ground planted or flange mounted Nom mounting height: up to 13.5m Outreach: single only, up to 4m curved, mitred or	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted	20 Dec 2018	Column/outreach design must be checked for heavy (>15kg) luminaires.

Performance Class 70:HE					
Manufacturer	Column Description	Material	Mounting	Date of Approval	Notes
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Spunlite Poles Ltd 611 Halswell Jn Rd Hornby CHRISTCHURCH	Modular steel octagonal section lighting column, ground planted Nom mounting height: up to 12m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted	Previously approved under TNZ M19	Column/outreach design must be checked for heavy (>15kg) luminaires.
Steelgal Industries Ltd 8 Trugood Drive East Tamaki AUCKLAND	Modular steel octagonal section lighting column, ground planted Nom mounting height: up to 12m Outreach: single only, up to 4m curved, mitred or elliptical	Galvanised mild steel. Min yield 250MPa. 3mm maximum wall thickness.	Ground planted	Previously approved under TNZ M19	Column/outreach design must be checked for heavy (>15kg) luminaires.