

15. Public Lighting



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Characteristics

- Closed luminaire for urban areas and road networks
- Reflector in high purity aluminum
- Electrical accessories block compartment in cast aluminum
- Bonnet in polyamide with fiberglass
- Polycarbonate diffuser
- Recommended height: 8 meters
- Vertical or horizontal mounting arm to 42mm (60mm on request)
- IP43 Electrical compartment
- IP65 Optical compartment

Description	Reference
Luminaire Atlântica (R9) 70W	R9-70W
Luminaire Atlântica (R9) 100W	R9-100W
Luminaire Atlântica (R9) 150W	R9-150W



Characteristics

- Closed luminaire for urban areas and road networks
- Reflector in high purity aluminum, polished and anodized
- Electrical accessories block compartment in cast aluminum
- Bonnet in polyamide with fiberglass
- Polycarbonate diffuser
- Recommended height: 8 to 10 meters
- Vertical or horizontal mounting arm to 60mm
- IP66 Electrical compartment
- IP66 Optical compartment

Description	Reference
Luminaire Tropical (R10) 150W	R10-150W
Luminaire Tropical (R10) 250W	R10-250W

● LUMINAIRES

Characteristics

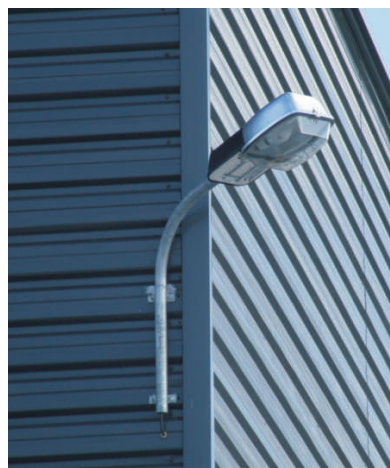
- Closed luminaire for urban areas and road networks
- Reflector in high purity aluminum, polished and anodized
- Electrical accessories block compartment in cast aluminum
- Bonnet in polyamide with fiberglass
- Polycarbonate diffuser
- Recommended height: 6 to 10 meters
- Vertical or horizontal mounting a 42mm or 60mm arm
- IP43 Electrical compartment
- IP65 Optical compartment



Description	Reference
Luminaire Bracara 150W	BRA-150W
Luminaire Bracara 250W	BRA-250W

Characteristics

- Arms for street lighting



Description	Weight (kg)	Reference
Street light arm 1 1/4" with tab 750x750	3,300	42.1500P
Street light arm 1 1/4" with tab 1250x750	4,400	42.2000P
Street light arm 2" with tab 750x750	6,200	60.1500P
Street light arm 2" with tab 1250x750	8,300	60.2000P
Clamp 1 1/4" M12 cold	0,460	Abra.12.42
Clamp 1 1/4" M16 cold	0,620	Abra.16.42
Clamp 2" M16 cold	0,800	Abra.16.60

● LAMPS



Characteristics

- High Pressure Sodium Lamp
- Tubular or Ellipsoidal
- Average life: 30,000 hours

Description	Reference
Lamp HP 70W BASIC	64419SHP70W
Lamp SHP 70W C/ IGNITOR	64419SHP70W-I
Lamp SHP 100W	64419SHP100W
Lamp SHP 150W BASIC	64419SHP150W
Lamp SHP 250W	64419SHP250W

● REACTANCES

Characteristics

- For indoor or outdoor
- For mercury or sodium lamps

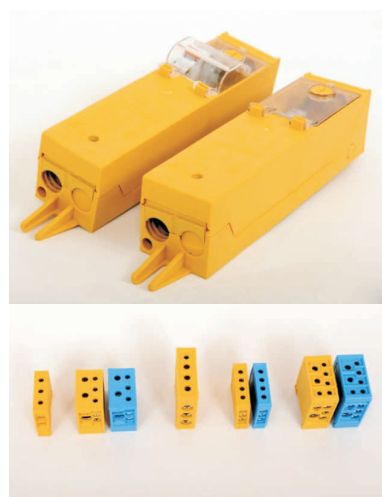
Description	Reference
Ignitor 100/400W sodium, ZX	34230-MZN400S
Indoor reactance 70W sodium vapor	10419BAL-E70W
Indoor reactance 100W sodium vapor	10419BAL-E100W
Indoor reactance 150W sodium vapor	17711VSODIO150W
Indoor reactance 250W sodium vapor	17711VSODIO250W
Outdoor reactance 70W sodium vapor	28030PH920-218-31
Outdoor reactance 100W sodium vapor	34230-100W
Outdoor reactance 150W sodium vapor	24030PH737
Outdoor reactance 250W sodium vapor	28030PH39-100-30

● CONNECTION TERMINALS

Reference	Inlet	Outlet
Borne L1	2x up to 16mm ²	1x up to 16mm ²
Borne L2	2x up to 16mm ² + 1x up to 35mm ²	1x up to 16mm ² + 1x up to 35mm ²
Borne L3	3x up to 35mm ²	1x up to 16mm ²
Borne L4	3x up to 16mm ²	1x up to 16mm ²
Borne L5	4x up to 16mm ² + 1x up to 35mm ²	1x up to 16mm ² + 1x up to 35mm ²
Borne L6	2x up to 35mm ²	1x up to 16mm ²

Characteristics

- Electrical control panels for lighting columns
- Available for columns with 4, 6, 8, 10 and 12 meters
- EDP / DMA - C71 - 590 / N
- DRE-C11 - 040 / N May 2010



Reference	Column	Cables	Dimensions (HxWxD)	Equipment
QMDT 16 (empty)	4 mt	-	300 x 60 x 63	-
QMDT 16-A	4 mt	1/2 cables LSVAV 2x16mm ²	300 x 60 x 63	1 L1 + 1 L4
QMDT 16-B	4 mt	1/2 cables LSVAV 4x16mm ²	300 x 60 x 63	3 L1 + 1 L4
QMDT 16-C	4 mt	3 cables LSVAV 2x16mm ²	300 x 60 x 63	1 L2 + 1 L4
QMDT 16-D	4 mt	3 cables LSVAV 4x16mm ²	300 x 60 x 63	1 L2 + 3 L4
QMDT 16-E	4 mt	1/2 cables AL or CU 3x16mm ²	300 x 60 x 63	2 L1 + 1 L4
QMDT 16-F	4 mt	1/2 cables AL or CU 5x16mm ²	300 x 60 x 63	4 L1 + 1 L4
QMDT 16-G	4 mt	3 cables AL or CU 3x16mm ²	300 x 60 x 63	1 L2 + 2 L4
QMDT 16-H	4 mt	3 cables AL or CU 5x16mm ²	300 x 60 x 63	5 L4
QMDT 16-I	4 mt	1/2 cables AL or CU 4x16mm ²	300 x 60 x 63	4 L1
QMDT 16-J	4 mt	3 cables AL or CU 4x16mm ²	300 x 60 x 63	4 L4
QMXT 35 (empty)	8/10/12 mt	-	300 x 85 x 90	-
QMXT 35-A	8/10/12 mt	1/2 cables LSVAV 2x16mm ²	300 x 85 x 90	1 L1 + 1 L4
QMXT 35-B	8/10/12 mt	1/2 cables LSVAV 4x16mm ²	300 x 85 x 90	3 L1 + 1 L4
QMXT 35-C	8/10/12 mt	3 cables LSVAV 2x16mm ²	300 x 85 x 90	1 L2 + 1 L4
QMXT 35-D	8/10/12 mt	3 cables LSVAV 4x16mm ²	300 x 85 x 90	1 L2 + 3 L4
QMXT 35-E	8/10/12 mt	1/2 cables LSVAV 5x16mm ²	300 x 85 x 90	1 L3 + 3 L6
QMXT 35-F	8/10/12 mt	3 cables SVAV 4x16mm ²	300 x 85 x 90	4 L3
QMXT 35-G	8/10/12 mt	1/2 cables AL or CU 3x16mm ²	300 x 85 x 90	2 L1 + L4
QMXT 35-H	8/10/12 mt	1/2 cables AL or CU 5x16mm ²	300 x 85 x 90	4 L1 + 1 L4
QMXT 35-I	8/10/12 mt	3 cables AL or CU 3x16mm ²	300 x 85 x 90	1 L2 + 2 L4
QMXT 35-J	8/10/12 mt	3 cables AL or CU 5x16mm ²	300 x 85 x 90	1 L2 + 4 L4
QMXT 35-K	8/10/12 mt	1/2 cables AL or CU 3x35mm ²	300 x 85 x 90	1 L3 + 2 L6
QMXT 35-L	8/10/12 mt	1/2 cables AL or CU 5x35mm ²	300 x 85 x 90	1 L3 + 4 L6
QMXT 35-M	8/10/12 mt	1/2 cables AL or CU 4x16mm ²	300 x 85 x 90	4 L1
QMXT 35-N	8/10/12 mt	3 cables AL or CU 4x16mm ²	300 x 85 x 90	4 L4
QMXT 35-O	8/10/12 mt	3 cables AL or CU 3x35mm ²	300 x 85 x 90	3 L3
QMXT 35-P	8/10/12 mt	3 cables AL or CU 5x35mm ²	300 x 85 x 90	5 L3
KMNT 16-A	4 mt	1/2 cables LSVAV 2x16mm ²	155 x 76 x 47	1 L1 + 1 L4
KMNT 16-B	4 mt	1/2 cables LSVAV 4x16mm ²	155 x 76 x 47	3 L1 + 1 L4
KMNT 16-D	4 mt	1/2 cables AL or CU 5x16mm ²	155 x 76 x 47	4 L1
QMNT 16 (empty)	4 mt	-	300 x 50 x 55	-
QMNT 16-A	4 mt	1/2 cables LSVAV 2x16mm ²	300 x 50 x 55	1 L1 + 1 L4
QMNT 16-B	4 mt	1/2 cables LSVAV 4x16mm ²	300 x 50 x 55	3 L1 + 1 L4
QMNT 16-D	4 mt	1/2 cables AL or CU 5x16mm ²	300 x 50 x 55	4 L1