



1001893 300

1001891 301

1001896 300

1001900 300

# NEW NUMINOS

## ARMATURENSYSTEEM

NUMINOS S, DL	26-27
NUMINOS M, DL	28-29
NUMINOS L, DL	30-31
NUMINOS XL, DL	32-33
NUMINOS MOVE M, DL	34-35
NUMINOS MOVE L, DL	36-37
NUMINOS MOVE XL, DL	38-39
NUMINOS, DL Toebehoren	40-41
NUMINOS S, 3-fase	42-43
NUMINOS M, 3-fase	44-45
NUMINOS L, 3-fase	46-47
NUMINOS S, CW	48-49
NUMINOS M, CL	50-51
NUMINOS L, CL	52-53
NUMINOS S, CL	54-55
NUMINOS M, CL	56-57
NUMINOS L, CL	58-59
NUMINOS S, PD	60-61
NUMINOS M, PD	62-63
NUMINOS L, PD	64-65

## 1-FASE

1-FASE-INBOUWRAIL	526
1-FASE-INBOUWRAIL Toebehoren	526
1-FASE-OPBOUWRAILS	528
1-FASE-OPBOUWRAILS Toebehoren	529

## 3-FASE

EUTRAC®	
EUTRAC® 3-FASE-OPBOUWRAIL	501
EUTRAC® 3-FASE-OPBOUWRAIL Toebehoren	502, 503
EUTRAC® 3-FASE-INBOUWRAIL	505
EUTRAC® 3-FASE-INBOUWRAIL Toebehoren	505

## S-TRACK

S-TRACK 3-FASE-OPBOUWRAIL	
DALI	474, 475
S-TRACK 3-FASE-OPBOUWRAIL	
DALI Toebehoren	476, 477

## A

ABRIDOR 60/100 Pole	604
ABRIDOR SENSOR WL	664
ABRIDOR WL	664
ACCANTO CL, E27	284
ACCANTO PD, E27	139
ACCANTO SPOT SQUARE WL, E27	246
ACCANTO WL, E27	247
ADEGAN FL, E27	567
ADEGAN MANILA FL, E27	566
ADI EL	732
ADJUST 135 EL, vierkant/rond, QPAR51	753
ADJUST 190 EL, vierkant/rond, QPAR111	753
ADJUST 265 EL, rond, HIT-CE	753
AINOS CW	712
AINOS CW SENSOR	712
AINOS CW SENSOR, vierkant	713
AINOS CW, vierkant	713

## AIXLIGHT®

AIXLIGHT® 150 PD, R2 Office, PHASE	173
AIXLIGHT® PD, R2, double, QPAR111	174
AIXLIGHT® PD, R2, quad, QPAR111	174
AIXLIGHT® PRO 50 Led module	438
AIXLIGHT® PRO 50 QPAR51 Module	438
AIXLIGHT® PRO 50 Toebehoren	438
AIXLIGHT® PRO EL, QPAR111 Module	439
AIXLIGHT® PRO Toebehoren	439

AKALO D83 EL, PHASE	406
ALAMEA EL	452
ALPA CONE 100 Pole, E27	576
ALPA MUSHROOM 45/75 Pole, E27	576
ALTRA DICE CL, QPAR51	316
ALTRA DICE CW, double, QPAR51	316, 332
ALTRA DICE TRACK 1-fase, QPAR51	517
ALTRA DICE TRACK 3-fase, QPAR51	479
ANDREAS WL, QT-DE12	198
ANELA CL, PHASE	313
ANELA Display	275
ANELA PD, PHASE	130
ANGOLUX SENSOR WL	667
ANGOLUX SOLAR WL	667
ANGOLUX WL	667
ANILA EASYTEC® II, QPAR51	536
ANINDA 120 EL	453
ANINDA 60 EL	453
APONI 90/120 Pole, PHASE	577
APONI WL, PHASE	645
ARLINA 60/130 WL	225
AROSA PD, 1,25 m, PHASE	111
AROSA PD, 2 m, PHASE	111
ARROCK ARC Pole, QPAR51	590
ARROCK GRANITE 40/70 Pole, square, E27	589
ARROCK SLOT Pole, QPAR51	600
ARROCK STONE 50/75 Pole	600
ASMARA LV, QR-C51	544
ASSO 300 WL	223
ASSO 300 WL, PHASE	223
ASSO 70 WL	222
ASSO WL, PHASE	223
ASTINA CL, QPAR51	312
ASTINA PD, QPAR51	123
ASTINA STEEL WL	681
ASTINA STEEL WL, QPAR51	681
ASTINA UP/DOWN WL, QPAR51	232
ASTINA WL, QPAR51	680
ASTO CW, double, QPAR51	347
ASTO CW, quad, QPAR51	347
ASTO CW, single, QPAR51	347
ASTO CW, triple, QPAR51	347
ASTO QPAR51	347
ASTO TUBE CW, double, QPAR51	341
ASTO TUBE CW, QPAR51	341
ASTO TUBE CW, single, QPAR51	341
ASTO TUBE CW, triple, QPAR51	341
AVENTO 110 PD	113
AVENTO 30 PD	113
AVO CW, double, QPAR51	345
AVO CW, QPAR51	345
AVO CW, quad, QPAR51	345
AVO CW, single, QPAR51	345
AVO CW, triple, QPAR51	345
AVO TRACK 1-fase, QPAR51	511
AVO TRACK 3-fase, QPAR51	478

## B

BASKET WL, E27	199
BATO 35 CW, E27	191
BATO 35 CW, PHASE	191
BATO 35 PD, E27	116
BATO 35 PD, PHASE	116
BATO 45 CW, E27	286
BATO 45 CW, PHASE	286
BATO 45 PD, E27	117
BATO 45 PD, PHASE	116

## BATTEN LED

BATTEN LED 220-240V ~50/60Hz	805
BATTEN LED 220-240V ~50/60Hz Toebehoren	805

BEDSIDE EL, links	390
BEDSIDE EL, rechts	390
BENA 120 CW	369
BENA 150 CW	369
BENDO 80/220 Pole, PHASE	602
BENDO WL, PHASE	662
BIG NAILS 50/80 Pole	580
BIG NAILS 50/80 Pole, E27	580
BIG NAILS PLUS 50/80 Pole, E27	579
BIG NAILS WL, E27	647
BIG NAUTILUS SP, rond, QPAR51	618

BIG PLOT Cover, 2 slots	747
BIG PLOT Cover, 4 slots	747
BIG PLOT Module	746
BIG QUAD UP/DOWN WL	687
BIG QUAD WL	239, 672
BIG SUN PD, E27	137
BIG THEO FLOOD UP/DOWN WL	694
BIG THEO BEAM UP/ FLOOD DOWN WL	695
BIG THEO CL	709
BIG THEO CL, QPAR111	709
BIG THEO Up/Down WL, QPAR111	693
BIG THEO WL	677
BIG THEO WL, QPAR111	676
BILAS CW, single, PHASE	336
BIMA 1-fase, double, QPAR51	515
BIMA 1-fase, single, QPAR51	515
BIMA 2 EASYTEC® II, double, QPAR51	535
BIMA 3-fase, double, QPAR51	485
BIMA 3-fase, single, QPAR51	485
BIMA EASYTEC® II, single, QPAR51	535
BOOKAT Pole, PHASE	592
BOX UP/DOWN WL, QT-DE12	690
BOX-L WL	689
BOX-L WL, E27	689
BRENDA TL, Wireless charging	075
BRICK DOWNUNDER EL	730
BRICK DOWNUNDER EL, E14	730
BRICK EL, asymmetrisch	733
BRICK EL, symmetrisch	733
BRICK MESH EL	733
BULAN CW, E14	715
BULAN GRID CW, E27	715

## C

C-POL Pole, E27	583
C-POL WL, E27	646
CARISO WL, PHASE	228
CHROMBO WL, PHASE	218
COMET LED LV	551
COMET LV, QR-C51	551
CONE FL, E27	569
CONNECTED LED PANEL 595x595 mm, UGR<19	458
CONNECTED LED PANEL 620x620 mm, UGR<19	459
CONTONE® EL, rond/vierkant, vast, PHASE	399
CONTONE® EL, rond/vierkant, verstelbaar, PHASE	399
COSMIC LV, QR-C51	545
COUPA FLEX WL	248
COUPA WL, QT14	249
CUBIX FL, QPAR51	569
CV SPOT SP, kort	625
CV SPOT SP, lang	625

## D

### DASAR®

DASAR® 70 EL, vierkant, QPAR51	759
DASAR® 80 EL, vierkant/rond, QPAR51	759
DASAR® 215 EL, vierkant/rond, QPAR111	760
DASAR® 215 EL, rond, E27	760
DASAR® 218 EL, QR111	760
DASAR® 255 EL	763
DASAR® 270 EL, asymmetrisch	763
DASAR® 270 EL, symmetrisch	763
DASAR® 370 EL, rond	755
DASAR® 920 EL	757
DASAR® EL, T16	764
DASAR® EXACT 116 EL, vierkant/rond, QPAR51	759
DASAR® FLAT 80 EL	754
DASAR® PROJECTOR SP, 12/24V	630
DASAR® PROJECTOR SP, 230V	630

DEKLED EL	393
DELO WL	659
DELWA WL	236, 678
DENA 30 WL, E14	199
DEVIN WL, double, PHASE	262
DINGILO EL, rond, verstelbaar	399
DIO FLEX PLATE WL	258

DIO FLEX PLATE WL QPAR51.....	257
DIRETO 60 WL, PHASE.....	217
DIRETO 90 WL, PHASE.....	217
DISPLAY.....	277
DISPLAY ADL 50 QPAR51.....	273
DL 126 EL.....	393
DOLIX OUT EL, vierkant, QPAR51.....	402, 738
DOLIX OUT EL, rond, QPAR51.....	402, 738
DORISA 30.....	265
DORISA 50.....	265
DOWNUNDER OUT S EL.....	731
DOWNUNDER OUT M EL.....	731
DOWNUNDER OUT L EL.....	731
DOWNUNDER OUT vierkant.....	658
DOWNUNDER OUT rond.....	658
DOWNUNDER PUR 120 EL.....	383
DOWNUNDER PUR 150 EL.....	383
DOWNUNDER PUR 80 EL.....	383
DURNO.....	548

**E****EASYTEC® II**

EASYTEC® II, RAIL.....	539
EASYTEC® II, RAIL Toebehoren.....	539

**ENOLA**

ENOLA B CL, QPAR51.....	313
ENOLA B CW, double, QPAR51.....	337, 338
ENOLA B CW, single, QPAR51.....	337
ENOLA B PD, QPAR51.....	124, 523
ENOLA B TRACK 1-fase, QPAR51.....	514
ENOLA B WL, QPAR51.....	232, 252
ENOLA C CL.....	315
ENOLA C CL, PHASE.....	315
ENOLA C Pole.....	607
ENOLA C TRACK 1-fase.....	521
ENOLA C TRACK 3-fase.....	483
ENOLA L ROUND UP/DOWN S WL.....	685
ENOLA L ROUND UP/DOWN M WL.....	685
ENOLA L ROUND UP/DOWN L WL.....	685
ENOLA PD, E27.....	125
ENOLA ROUND S CL.....	705
ENOLA ROUND S WL, single.....	684
ENOLA ROUND M CL.....	705
ENOLA ROUND M WL, single.....	684
ENOLA ROUND L CL.....	705
ENOLA ROUND L WL, single.....	684
ENOLA SQUARE S CL.....	710
ENOLA SQUARE S UP/DOWN WL.....	697
ENOLA SQUARE S WL, single.....	696
ENOLA SQUARE M CL.....	710
ENOLA SQUARE M UP/DOWN WL.....	697
ENOLA SQUARE M WL, single.....	696
ENOLA SQUARE L UP/DOWN WL.....	697
ENOLA SQUARE L CL.....	710
ENOLA SQUARE L WL, single.....	696

ESKINA 30/80 Pole, PHASE.....	607
ESKINA D Display, PHASE.....	700
ESKINA FRAME 45/75 Pole, single.....	585
ESKINA FRAME 75 Pole, double.....	585
ESKINA FRAME WL.....	663
ESKINA FRAME WL, double.....	663
ESKINA SPOT CW, PHASE.....	721
ESKINA SPOT SENSOR CW, PHASE.....	721
EURO CUBE 3-fase.....	487
EURO SPOT TRACK 1-fase.....	516
EURO SPOT TRACK 1-fase QPAR51.....	516
EURO SPOT TRACK 3-fase.....	495
EURO SPOT TRACK 3-fase, QPAR111.....	494
EURO SPOT TRACK 3-fase, QPAR51.....	494

**F**

F-POL Pole, E27.....	583
F-POL WL, E27.....	646

**FENDA**

FENDA BOW BASIS FL, E27.....	079
FENDA plafondrozet, E27.....	282
FENDA FL, E27.....	078, 079

FENDA glazen kap.....	102
FENDA halve kap.....	202
FENDA Ø 15 cm, rond.....	080, 104
FENDA Ø 20cm, rond.....	245
FENDA Ø 30 cm, rond.....	080, 105, 283
FENDA Ø 40 cm, rond.....	081, 102
FENDA Ø 45 cm, rond.....	081, 105, 283
FENDA Ø 70 cm, rond.....	081, 105, 283
FENDA PD, E27.....	102
FENDA TL, E27.....	078, 079
FENDA WL, Basis, E27.....	202, 244
FENDA WL, E27.....	245

FERA 25 CL.....	289
FERA 25 CL, DALI.....	289
FILI, klem WL, QPAR51.....	272
FITU CUBE WL, E27.....	196
FITU CW, E27.....	333
FITU FL, E27.....	085
FITU MIX & MATCH Toebehoren.....	098
FITU PD, E27.....	094, 095, 096, 097
FITU TL, E27.....	070
FITU Wandhouder.....	200
FITU WL, E27.....	200
FLAC BEAM® SP.....	634
FLAT FRAME BASIC EL, QT9.....	386
FLAT FRAME CURVE EL, QT9.....	385
FLATT 65/100 Pole.....	599
FLATT SENSOR WL.....	665
FLATT WL.....	665
FORCHINI 50 PD, E27.....	118
FORCHINI 70 PD, E27.....	118
FORCHINI M 40 PD, E27.....	119
FORCHINI M 40 TRACK 1-fase, E27.....	525
FORCHINI M 40 TRACK 3-fase, PD, E27.....	499
FORCHINI M 50 PD, E27.....	119
FRAME BASIC EL.....	386
FRAME BASIC EL, HV.....	386
FRAME CURVE EL.....	385
FRAME CURVE EL, HV.....	385

**G**

GALEN 60/120 SP.....	637
GALEN 100 SP.....	636
GIMBLE IN 68 EL.....	446
GIMBLE IN 100 EL.....	446
GIMBLE IN 150 EL.....	446
GIMBLE IN 175 EL.....	447
GIMBLE OUT EL.....	752
GLASSA CW, vierkant, E27.....	361
GLENOS PD, 1 m, 1-10V.....	168
GLENOS PD, 2 m, 1-10V.....	168
GLENOS® 60.....	267
GLOO PURE 27/44/70 Pole, E27.....	574
GLOO PURE WL, E27.....	642
GRAFIT 30/60 Pole, E27.....	586
GRAFIT WL, E27.....	648

**GRAZIA Led-strips**

GRAZIA FLEXSTRIP LED, 24V.....	792, 793
GRAZIA IP FLEXSTRIP, 24V.....	800
GRAZIA IP FLEXSTRIP, RGBW, 24V.....	802
GRAZIA IP FLEXSTRIP, Tunable white, 24V.....	801
GRAZIA PRO FLEXSTRIP, 24V.....	794, 795
GRAZIA PRO FLEXSTRIP, RGBW, 24V.....	799
GRAZIA PRO FLEXSTRIP, Tunable white, 24V.....	798
GRAZIA PRO MAX FLEXSTRIP, 24V.....	796, 797

**GRAZIA profielen**

GRAZIA 10 opbouwprofiel, vlak.....	769
GRAZIA 10 opbouwprofiel, standaard.....	769
GRAZIA 10 EDGE opbouwprofiel.....	772
GRAZIA 10 EDGE toebehoren.....	773
GRAZIA 10 inbouwprofiel.....	769
GRAZIA 10 toebehoren.....	770, 771
GRAZIA 20 opbouwprofiel, vlak.....	775
GRAZIA 20 opbouwprofiel, standaard.....	775
GRAZIA 20 inbouwprofiel.....	776
GRAZIA 20 toebehoren.....	777, 778, 779
GRAZIA 60 opbouwprofiel.....	781
GRAZIA 60 inbouwprofiel.....	781
GRAZIA 60 toebehoren.....	782, 783

**H**

H-LIGHT EL, ovaal, PHASE.....	400
H-LIGHT EL, PHASE.....	401
H-LIGHT EL, rond, PHASE.....	400
H-POL 30/60 Pole.....	596
H-POL Twin 30/60 Pole.....	597

**H-PROFIL**

H-PROFIL 2 m.....	785
H-PROFIL 2 m Toebehoren.....	786, 787

HANG UP 120 PD, PHASE.....	164
HELIA 30 PD.....	126
HELIA 30 PD, PHASE.....	127
HELIA 40 PD.....	126
HELIA 40 PD, PHASE.....	127
HELIA 50 TRACK 1-fase.....	521
HELIA 50 TRACK 3-fase.....	482
HELIA AMBIENT 35 PD.....	128
HELIA AMBIENT 35 PD, PHASE.....	129
HELIA CW, double, PHASE.....	339, 723
HELIA CW, single, PHASE.....	339, 723
HELIA EL.....	391
HELIA Pole, double, PHASE.....	611, 613
HELIA Pole, single, PHASE.....	610, 613
HELIA SENSOR Single.....	610
HELIA SPOT L SP, single, PHASE.....	631
HELIA SPOT S SP, single, PHASE.....	631
HORN EL, QPAR51.....	415
HORN MAGNA EL.....	416
HORN MEDI EL.....	416
HORN MINI EL.....	416
HORN-A EL, QPAR51.....	413
HORN-O EL, QPAR51.....	413
HORN-T EL, QPAR111.....	414
HORN-T EL, QPAR51.....	413

**I**

I-PENDANT PRO PD, 1195x295 mm, 1-10V.....	163
I-PENDANT PRO PD, 1195x295 mm, DALI.....	163
I-PENDANT PRO PD, 1195x295 mm, UGR<19, 1-10V.....	163
IMPERVA 120 CW.....	365
IMPERVA 150 CW.....	365
INDA CW, QPAR51.....	330
IPERI 50 Pole.....	605
IPERI WL.....	668
IVED GOOSE WL, rozet.....	259

**K**

KADUX EL, double, 1-10V.....	437
KADUX EL, double, PHASE.....	436
KADUX EL, double, QPAR111.....	435
KADUX EL, double, QPAR51.....	434
KADUX EL, single, 1-10V.....	437
KADUX EL, single, PHASE.....	436
KADUX EL, single, QPAR111.....	435
KADUX EL, single, QPAR51.....	434
KADUX EL, triple, PHASE.....	436
KADUX EL, triple, QPAR51.....	434
KALU CW, double, PHASE.....	352
KALU CW, double, QPAR111.....	350
KALU CW, PHASE.....	352
KALU CW, QPAR111.....	350
KALU CW, quad, PHASE.....	353
KALU CW, quad, QPAR111.....	350
KALU CW, single, PHASE.....	352
KALU CW, single, QPAR111.....	350
KALU CW, triple, PHASE.....	352
KALU CW, triple, QPAR111.....	350
KALU TRACK 1-fase, QPAR111.....	519
KALU TRACK 1-fase, PHASE.....	519
KALU TRACK 3-fase, PHASE.....	493
KALU TRACK 3-fase, QPAR111.....	492
KALU TRACK 3-fase, QR111.....	492
KAMUELA ECO EL, rond, PHASE.....	404, 743
KANO EASYTEC® II, QPAR51.....	536

KARDAMOD CL, vierkant, double, QPAR111.....	323
KARDAMOD CL, vierkant, single, QPAR111.....	323
KARDAMOD CL, rond, double, QPAR111.....	324
KARDAMOD CL, rond, single, QPAR111.....	324
KARPO 30 CW, single.....	253, 334
KARPO 30 CW, single, PHASE.....	334
KARPO 30 EL.....	391
KARPO FL.....	083
KARPO MAGN CW, single, PHASE.....	250
KARPO TL.....	082
KARPO WL.....	253
KENKUA SPOT WL, E27.....	246
KENKUA WL, E27.....	246
KERAS ELT WL, E27.....	651
KINI EL, PHASE.....	737
KIROCONE TL, E27.....	564

**L**

L-LINE 120.....	268
L-LINE 60.....	268
L-LINE OUT 15 WL, verticaal.....	688
L-LINE OUT 30 FL, verticaal.....	595
L-LINE OUT 50/80 Pole, horizontaal.....	595
L-LINE OUT 60 FL, verticaal.....	595
LED PANEL 300x120 mm.....	461
LED PANEL 600x600 mm.....	461
LED PANEL 620x620 mm.....	460, 461
LED SAIL WL.....	229
LED SPIKE SP.....	622
LED SPOT SP.....	719
LENITO TRACK 3-fase.....	481
LENITO WL.....	242, 275

**LICHTBRONNEN**

LED A60 E27.....	852, 853, 854
LED A60 E27, CCT.....	852
LED A60 E27, kopspiegel, chroom.....	855
LED A60 E27, kopspiegel, goud.....	855
LED A60 E27, RGBW.....	852
LED C35 E14.....	852
LED Filament G9.....	846
LED FRISBEE E27.....	854
LED G125 E27, kopspiegel, chroom.....	856
LED G125 E27, kopspiegel, goud.....	856
LED G125 E27, rookglas.....	856
LED G95/G125 E27.....	856
LED G95/G125 E27, rookglas.....	856
LED GU10.....	848, 849
LED PAR38 E27.....	857
LED QPAR111 GU10.....	850, 851
LED QPAR111 GU10, CCT.....	850
LED QPAR111 GU10, RGBW.....	850
LED QPAR51 GU10.....	848, 849
LED QR111 G53.....	851
LED QR51 GU5.3.....	846
LED QT14 G9.....	846
LED QT-DE12 R7S 118 mm.....	846
LED QT-DE12 R7S 78 mm.....	846
LED ST58 E27.....	855
LED ST64 E27.....	855
LED T32 E27.....	855
LED T32 FILAMENT GU10.....	848
LED T38 E27.....	853
LED T45 E27.....	853
LED TCR-TSE GX53.....	857
T16 G5.....	857

LIGHT EYE® 150 3-fase, PD, QPAR111.....	499
LIGHT EYE® 150 PD, QPAR111.....	108, 523
LIGHT EYE® 150 TRACK 3-fase, QPAR111.....	480
LIGHT EYE® 150 TRACK EASYTEC® II, PD, QPAR111.....	537
LIGHT EYE® 150 TRACK EASYTEC® II, QPAR111.....	537
LIGHT EYE® 90 1-fase, QPAR51.....	512
LIGHT EYE® 90 PD, GU10.....	108
LIGHT PIPE 60/90/140 Pole, PHASE.....	087, 578
LIGHTPOINT EL.....	392
LIPA CW, PHASE.....	716
LIPSY® 30 CW, Connected.....	356
LIPSY® 30 CW, Dome.....	357
LIPSY® 30 CW, Drum.....	358

LIPSY® 40 CW, Connected.....	356
LIPSY® 40 CW, Dome.....	357
LIPSY® 40 CW, Drum.....	358
LIPSY® 40 CW, Drum, DALI.....	359
LIPSY® 50 CW, Connected.....	356
LIPSY® 50 CW, Dome.....	357
LIPSY® 50 CW, Drum.....	358
LIPSY® 50 CW, Drum, DALI.....	359
LIPSY® CW, Connected.....	356
LIPSY® CW, Dome.....	357
LIPSY® CW, Drum.....	358
LIPSY® CW, Drum, DALI.....	359
Lisenne 40/70 Pole, E27.....	572
LISENNE PD, E27.....	131
LISENNE WL, E27.....	197
LOGS 40/70 Pole.....	586
LOGS IN L WL, PHASE.....	213
LOGS IN WL.....	212
LOGS IN WL, PHASE.....	212
LOGS WL.....	692
LONG GRILL CW.....	371

**M****M-TRACK**

M-TRACK instelbaar.....	556
M-TRACK Spot.....	556
M-TRACK STROOMRAIL.....	557
M-TRACK STROOMRAIL toebehoren.....	557

MAGANDA TL.....	072
MAGANDA WL.....	260
MALANG CL, E27.....	308
MALANG CW.....	121
MALO Display WL.....	276
MALU CL.....	711
MALU Pole.....	606
MALU WL.....	670
MANA 40 kap, rond.....	193
MANA 60 kap, rond.....	193
MANA BASE rond.....	192
MANA BASE WL, rond, PHASE.....	192
MANA OUT WL, PHASE.....	688
MANA kap.....	205, 207
MANA WL, Basis.....	206
MANA WL, Basis, PHASE.....	204, 206
MARONA CW, PHASE.....	360
MARYLIN 40/60/90 WL.....	262
MECANICA PLUS FL.....	086
MECANICA PLUS TL.....	086

**MEDO**

MEDO 30 AMBIENT CW, DALI.....	150, 300
MEDO 30 AMBIENT CW, PHASE.....	148, 298
MEDO 30 CL, 1-10V.....	146, 296
MEDO 30 CL, PHASE.....	144, 294
MEDO 30 EL, FRAME.....	456
MEDO 30 EL, frameless.....	454
MEDO 40 AMBIENT CW, DALI.....	150, 300
MEDO 40 AMBIENT CW, PHASE.....	149, 299
MEDO 40 CL, 1-10V.....	146, 296
MEDO 40 CL, PHASE.....	145, 295
MEDO 40 EL, FRAME.....	456
MEDO 40 EL, frameless.....	455
MEDO 60 AMBIENT CW, DALI.....	150, 300
MEDO 60 AMBIENT CW, PHASE.....	149, 299
MEDO 60 CL, 1-10V.....	146, 296
MEDO 60 CL, vierkant.....	302
MEDO 60 CL, vierkant, 1-10V.....	152
MEDO 60 CL, vierkant, DALI.....	153, 303
MEDO 60 EL, FRAME.....	456
MEDO 60 EL, frameless.....	455
MEDO 90 AMBIENT CL, DALI.....	151, 301
MEDO 90 AMBIENT CL, PHASE.....	149, 299
MEDO 90 CL, 1-10V.....	147, 297
MEDO 90 EL, FRAME.....	457
MEDO 90 EL, frameless.....	455
MEDO RING 60 PD, DALI.....	155
MEDO RING 60 PD, 1-10V.....	154
MEDO RING 90 PD, 1-10V.....	154

MELAN CW, E27.....	360
MERADO FLOOD TRACK 3-fase, PHASE.....	481
MERADO FLOOD WL, PHASE.....	243
MERIDIAN BOX SENSOR WL, E27.....	655

MERIDIAN BOX WL, E27.....	654, 655
MERIDIAN WL, E27.....	651
MIBO UP/DOWN WL, QT14.....	264
MOBALA EL.....	388
MOLAT CL, E27.....	702
MOLAT PD, E27.....	563
MOLAT Pole, E27.....	578
MOLAT WL, E27.....	642
MYRA CW, single, QPAR51.....	722
MYRA DISPLAY WL, curved, QPAR51.....	701
MYRA SPOT double, GU10.....	613
MYRA UP/DOWN WL, QPAR51.....	679
MYRA WL, double, QPAR51.....	722

**N**

NAGY 75 CL, QPAR51.....	312
NAUTILUS 10 SP, vierkant.....	621
NAUTILUS 10 SP, rond, QPAR51.....	618, 620
NAUTILUS 10 SPOT LED SP.....	629
NAUTILUS 10 SPOT SP, QPAR51.....	629
NAUTILUS 10 WL, vierkant.....	720
NAUTILUS 25 WL, QPAR51.....	720
NAUTILUS SP, QR-C51.....	627
NAUTILUS SPOT SP, PAR38, E27.....	629
NAUTILUS WL, vierkant.....	720
NEPRO DISPLAY QT-DE12.....	276
NEW FLAT WL, RGB-W.....	226

**NEW TRIA**

NEW TRIA 110 single, vierkant, CS, PHASE.....	433
NEW TRIA 110 single, rond, CS, PHASE.....	432
NEW TRIA 150 single, vierkant, CS, 1-10V.....	433
NEW TRIA 150 single, vierkant, LS, QPAR111.....	425
NEW TRIA 150 single, rond, CS, 1-10V.....	433
NEW TRIA 150 single, rond, LS, QPAR111.....	425
NEW TRIA 155 double, CS.....	431
NEW TRIA 155 double, CS, QPAR51.....	424
NEW TRIA 300 double, CS, QPAR111.....	425
NEW TRIA 45 single, vierkant, CS.....	426
NEW TRIA 45 single, rond, CS.....	426
NEW TRIA 68 EL, single, rond, CS, PHASE.....	428
NEW TRIA 68 single, vierkant, CS.....	427
NEW TRIA 68 single, vierkant, CS, PHASE.....	428
NEW TRIA 68 single, vierkant, CS/LS, PHASE.....	429
NEW TRIA 68 single, vierkant, CS/LS, QPAR51.....	420
NEW TRIA 68 single, rond, CS.....	427
NEW TRIA 68 single, rond, CS/LS, PHASE.....	429
NEW TRIA 68 single, rond, CS/LS, QPAR51.....	420
NEW TRIA 77 single, vierkant, CS.....	430
NEW TRIA 77 single, rond, CS.....	430
NEW TRIA 78 single, vierkant, CS, QPAR51.....	423
NEW TRIA 78 single, vierkant, LS, QPAR51.....	422
NEW TRIA 78 single, rond, CS, QPAR51.....	423
NEW TRIA 78 single, rond, LS, QPAR51.....	422
NEW TRIA 78 XL single, vierkant, CS, QPAR51.....	421
NEW TRIA 78 XL single, rond, CS, QPAR51.....	421

NOBLO CW, double, PHASE.....	343
NOBLO CW, PHASE.....	343
NOBLO CW, single, PHASE.....	343
NOBLO CW, triple, PHASE.....	343
NOBLO SPOT 1-fase.....	520
NOBLO SPOT 1-fase, Triple Track Set.....	510
NOBLO SPOT 3-fase.....	482
NOBLO SPOT LV, Rope Track.....	550
NOTAPO WL.....	382
NOYA PD, PHASE.....	165

**O**

OCCULDAS 13 DL, indirect, PHASE.....	311
OCCULDAS 14 EL, indirect, PHASE.....	411
OCCULDAS 23 DL, indirect, PHASE.....	311
OCCULDAS 23 EL, indirect, PHASE.....	411
OCULUS CL, Move, PHASE.....	445
OCULUS CL, PHASE.....	315
OCULUS CW, PHASE.....	331
OCULUS PD, single, PHASE.....	107

OCULUS UP/DOWN WL, PHASE.....	233
ONE 40 TRACK 3-fase, DALI .....	473
ONE 40 WL, DALI .....	194
ONE 60 PD, DALI.....	157
ONE 60 PD, DALI, up/down .....	158
ONE 60 PD, PHASE, up/down .....	158
ONE 60 WL, DALI .....	194
ONE 80 PD, DALI.....	157
ONE 80 PD, DALI, up/down .....	158
ONE DOUBLE PD, DALI, up/down .....	159
ONE DOUBLE PD, PHASE, up/down .....	159
ONE TRIPLE PD, DALI .....	157
OPEN GRILL PD, double, draaibaar.....	172
OPEN GRILL PD, single, draaibaar .....	172
ORBIT LV, QR111 .....	547
ORDI SENSOR WL .....	666
ORDI WL .....	666
OSSA 180 WL, QT-DE12 .....	224
OSSA 300 WL, QT-DE12 .....	224
OTOS GLAS Pole, E27 .....	573
OUT 65 EL, rond, PHASE.....	739
OUT-BEAM FRAME SP .....	718
OUT-BEAM UP/DOWN WL, QT-DE12.....	698
OUT-BEAM UP/FLOOD Down WL .....	699
OVALISK 75/100 Pole .....	575
OVALISK CL .....	703
OVALISK sensor WL .....	650
OVALISK WL.....	650

## P

P-LIGHT CW .....	372, 373, 375
P-LIGHT CW Toebehoren.....	372, 373, 375
P-LIGHT EL .....	405

PANEL 60 CL, rond, DALI .....	305
PANEL 60 CL, rond, PHASE .....	304
PANEL 60 PD, 1-10V .....	160
PANEL 60 PD, rond, DALI .....	161
PANEL CL, 1200x300 mm, DALI .....	305
PANEL CL, 1200x300 mm, PHASE .....	305
PANTILO 28 PD, E27 .....	135
PANTILO CONVEX 29 PD, E27.....	136
PANTILO CONVEX 40 PD, E27.....	136
PARA 380 PD, E27 .....	182
PARA CONE 14 1-fase, PD, QPAR51 .....	524
PARA CONE 14 1-fase, QPAR51 .....	513
PARA CONE 14 3-fase, PD, QPAR51 .....	499
PARA CONE 14 3-fase, QPAR111.....	480
PARA CONE 20 PD, E27 .....	120
PARA CONE 30 PD, E27 .....	120
PARA DOME PD, E27 .....	181, 183
PARA DOME kap .....	181
PARA FLAC PD/CL .....	184
PARA FLAC PD/CL, DALI .....	185
PARA MULTI PD, DLMI.....	183
PATTA-F EL, vierkant, PHASE.....	407, 740
PATTA-F EL, rond, PHASE .....	407, 740
PATTA-I EL, vierkant, PHASE .....	408, 409, 741, 742
PATTA-I EL, rond, PHASE .....	408, 409, 741, 742
PAVANO 300x1200 mm .....	463
PAVANO 600x600 mm .....	463
PAVANO 620x620 mm .....	463
PEMA® WL .....	240, 659, 669
PEMA® WL, E27 .....	669
PHELIA 10 PD, E27 .....	114
PHELIA 20 PD, E27 .....	115
PHELIA 25 PD, E27 .....	115
PHELIA 30 PD, E27 .....	115
PHELIA FL, E27 .....	084
PHELIA TL, QPAR51 .....	084
PHELIA WL, QPAR51 .....	251
PHOTONIA CL, E27 .....	702
PHOTONIA PD, E27 .....	562
PHOTONIA Pole, E27 .....	573
PHOTONIA TL, E27 .....	568
PHOTONIA WL, E27 .....	642
PIKA EL, vierkant, QPAR51, zwenkbaar.....	397
PIKA EL, vierkant, QPAR51, vast.....	397
PIKA EL, rond, QPAR51 .....	397
PIKA EL, rond, QPAR51, vast.....	396
PIPOFLEX WL.....	256

## PLASTRA

PLASTRA 101 WL, E14.....	236
PLASTRA 104 CL, E27 .....	288
PLASTRA 104 WL, QT14 .....	230
PLASTRA 105 CL, E27 .....	288
PLASTRA 25 PD, rond, TCR-TSE .....	106
PLASTRA CL, PHASE.....	288
PLASTRA CL, QPAR51 .....	322
PLASTRA EL, vierkant, QPAR51 .....	395
PLASTRA EL, rond, QPAR51.....	394
PLASTRA PD, QPAR51 .....	124
PLASTRA SLOT WL, E14 .....	215
PLASTRA WL, Cube, QT14.....	210
PLASTRA WL, Cubes.....	211
PLASTRA WL, Curve, PHASE .....	227
PLASTRA WL, Curve, QT-DE12.....	236
PLASTRA WL, half rond .....	208
PLASTRA WL, QPAR51 .....	215, 231
PLASTRA WL, vierkant.....	190
PLASTRA WL, rechthoekig, QT-DE12.....	209
PLASTRA WL, rond.....	190

PLYTTA.....	549
POLE PARC 90/150/200 Pole .....	584
POLE PARC CL .....	706
POLE PARC UP/DOWN WL .....	683
POLE PARC WL .....	657
POWER TRAIL-LITE® EL, vierkant.....	749
POWER TRAIL-LITE® EL, rond.....	749
PURI 3-fase, QPAR51 .....	484
PURI CW, double, QPAR51 .....	349
PURI CW, QPAR51 .....	349
PURI CW, quad, QPAR51.....	349
PURI CW, single, QPAR51.....	349
PURI CW, triple, QPAR51 .....	349
PURI TRACK 1-fase, QPAR51 .....	511, 512
PURI TRACK 1-fase, Triple Track Set.....	510
PURI TRACK 3-fase, QPAR51 .....	485
PURIA TRACK 1-fase, QPAR51 .....	511
PURISA WL, E27 .....	199

## Q

Q-LINE® CL, 1 m, BAP, PHASE .....	306
Q-LINE® CL, 2 m, BAP, PHASE .....	307
Q-LINE® PD, 1 m, BAP, PHASE.....	170
Q-LINE® PD, 2 m, BAP, PHASE.....	170
Q-LINE® PD, DALI, single .....	169
Q-LINE® PD, single.....	169
Q-LINE® WL .....	269
QUAD FRAME 14 WL .....	238
QUAD FRAME 19 WL .....	238
QUAD FRAME 9 WL .....	389
QUAD Pole .....	609
QUAD UP/DOWN 12 WL.....	214, 687
QUAD UP/DOWN 15 WL.....	214, 687
QUAD WL.....	239, 672
QUADRASS PD, E27.....	133
QUADRASS SPOT WL, E27 .....	201
QUADRASS WL, E27 .....	201
QUADRASYL 75 Pole, TCR-TSE.....	605
QUADRASYL CW, TCR-TSE .....	671
QUADRASYL WL, TCR-TSE .....	671
QUADRULO SENSOR WL, E27 .....	652
QUADRULO WL, E27 .....	653

## R

RASCALI 45/65 Pole .....	593
RASCALI WL .....	660
RETRATO WL, PHASE .....	271
ROCCI EL, vierkant .....	751
ROCCI EL, rond .....	751
ROTOBALL 25 CL, E27 .....	308
ROTOBALL 25/40/50 FL, E27 .....	565
ROTOBALL 25/40/50 PD, E27 .....	137
ROTOBALL 40 CL, E27.....	308
ROX ACRYL 30/60/90 Pole, E27 .....	581
ROX ACRYL 30/60/90 Pole, PHASE.....	581
ROX CL, GX53.....	706
ROX CL, QPAR111 .....	314, 706
ROX UP/DOWN WL, QPAR111 .....	234, 683
ROX WL, QPAR111.....	234, 657

RUBA 27/42 CW.....	714
RUSTY® UP/DOWN WL, vierkant.....	690
RUSTY® UP/DOWN WL, rond .....	682
RUSTY® 40/70 Pole .....	571, 588
RUSTY® 40/70 Pole, E27 .....	571, 588
RUSTY® CONE 24 FL, E14.....	570
RUSTY® CONE 40/70 Pole, E27.....	570
RUSTY® PATHLIGHT 40/70 Pole .....	603
RUSTY® PATHLIGHT Pole, TCR-TSE .....	603
RUSTY® SLOT 50/80 Pole.....	601
RUSTY® SLOT 50/80 Pole, E27 .....	601

## S

SAIL WL .....	673
SALUNA LV, QR-C51 .....	546
SAMRINA SP, single, GU10.....	619
SEDO 7 WL .....	220
SEDO 14 WL .....	220
SEDO 21 WL .....	220
SENDER 12 CW, vierkant, PHASE.....	366
SENDER 12 CW, rond, PHASE.....	367
SENDER 12 EL, vierkant .....	449
SENDER 12 EL, rond .....	448
SENDER 18 CW, vierkant, PHASE.....	366
SENDER 18 CW, rond, PHASE.....	367
SENDER 18 EL, vierkant .....	449
SENDER 18 EL, rond .....	448
SENDER 24 CW, vierkant, PHASE.....	366
SENDER 24 CW, rond, PHASE.....	367
SENDER 24 EL, vierkant .....	449
SENDER 24 EL, rond .....	448
SENDER CW, vierkant, PHASE.....	366
SENDER CW, rond, PHASE.....	367
SHELL 15 WL, PHASE.....	241
SHELL 30 WL, PHASE.....	241
SIGHT 115 CW .....	370
SIGHT 60 CW.....	370
SIGHT MOVE 3-fase .....	496
SIGHT MOVE 3-fase, DALI .....	471
SIGHT TRACK 3-fase.....	483
SIGHT TRACK 3-fase, DALI.....	472
SIGHT TRACK 3-fase, PD .....	497
SIMA CW, vierkant, PHASE .....	363
SIMA CW, vierkant, sensor .....	363
SIMA CW, rond, PHASE.....	362
SIMA CW, rond, sensor .....	362
SITRA 360 CW, TCR-TSE.....	722
SITRA 360 Pole, TCR-TSE.....	612
SITRA 360 SPIKE SP, double, TCR-TSE .....	623
SITRA 360 SPIKE SP, single, TCR-TSE.....	623
SITRA CL, TCR-TSE.....	704
SITRA CUBE WL .....	691
SITRA CUBE WL, TCR-TSE.....	691
SITRA UP/DOWN WL.....	680
SITRA UP/DOWN WL, TCR-TSE.....	680
SITRA WL .....	656
SITRA WL, TCR-TSE .....	656
SLOTBOX 40/70 Pole.....	598
SLOTS 45 Pole.....	591
SLOTS 65 Pole.....	591
SLOTS WL .....	644
SOLASTO EL, vierkant/rond .....	750
SOLID CUBE WL, QT14.....	210
SOMNILA FLEX WL, links.....	255
SOMNILA FLEX WL, rechts .....	255
SOMNILA SPOT WL, links.....	254
SOMNILA SPOT WL, rechts .....	254
SOPRANA CL, E27 .....	285
SOPRANA PD, E27 .....	138
SPHERA 45 PD, PHASE .....	122
SPHERA 75 PD, PHASE .....	122
SPOODI 13 SP, SENSOR .....	633
SPOODI 20 SP, SENSOR .....	633
SPOODI 31 SP .....	633
SPOT 79 CW, QPAR51 .....	330
SPOT DISPLAY E27 .....	273
SPOT TRACK 1-fase, E27 .....	512
SPOT TRACK 3-fase, E27 .....	478
SQUARE CL, PHASE .....	707
SQUARE Pole 30/60/90 Pole, E27.....	587
SQUARE Pole 30/60/90 Pole, PHASE .....	587
SQUARE TURN WL, G9.....	686

SQUARE WL, E27.....	648
SQUARE WL, PHASE.....	648
STIX WL.....	251
STRUCTEC 1-fase.....	522
STRUCTEC 3-fase.....	490, 491
STRUCTEC 3-fase, DALI.....	470
STRUCTEC ZOOM 3-fase.....	491
SUN PD, E27.....	137
SUPROS 78 CL, PHASE.....	325
SUPROS 78 EL, Move, PHASE.....	441
SUPROS 78 EL, PHASE.....	440
SUPROS 78 PD.....	178
SUPROS 78 TRACK 3-fase, PHASE.....	488
SUPROS 78 Up/Down WL, PHASE.....	235
SUPROS CL, Move.....	325
SUPROS DL.....	442
SUPROS DL, Move.....	443
SUPROS PD.....	179
SUPROS TRACK 3-fase.....	489
SYNA SP.....	622
SYROS LV, QR-C51.....	545

## T

TANI WL, QT-DE12.....	218
TEC KALU CL, double, PHASE.....	317
TEC KALU CL, quad, PHASE.....	317
TEC KALU TRACK 3-fase, double, PHASE.....	486
TEC KALU TRACK 3-fase, quad, PHASE.....	486
TELESKOP LV, QR-C51.....	544
TENORA CL, E27.....	285

### TENSEO laagspanningskabel

TENSEO laagspanningskabel.....	554, 555
TENSEO laagspanningskabel toebehoren.....	555

TERANG 200 CW.....	717
TERANG 270 CW.....	717
TERANG 270 CW SENSOR.....	717
THEO BRACKET 50/70 Pole.....	608
THEO BRACKET CW.....	719
THEO BRACKET SP.....	620
THEO PATHLIGHT Pole, double.....	608
THEO PATHLIGHT Pole, single.....	608
THEO UP/DOWN WL, QPAR51.....	216, 693
THEO WL, QPAR51.....	676
TODAY Display.....	700
TODAY PRO Display.....	700

### TOEBEHOREN

1-10V dimmer 10W.....	831
COMPENSATIEMODULE.....	833
DALI Controller 24V DC.....	830
DALI Interface 1-10V + on/off.....	830
DALI universele dimmer 10-300W.....	830
DALI universele dimmer 3-25W.....	830
Deckenrosette.....	841
Dubbelzijdige tape.....	842
GU10 fitting.....	842
GU10 fitting met aansluitbox en snelklem.....	842
Kabelklem.....	840
Kabelverlenging.....	842
LED driver 1000mA   40W.....	834
LED driver 1000mA   40W incl. trekcontlasting.....	839
LED driver 1050mA   40W incl. trekcontlasting.....	835
LED driver 200mA   6-8,4W incl. trekcontlasting.....	835
LED driver 250mA   10W.....	835
LED driver 320mA   3W incl. trekcontlasting.....	838
LED driver 350mA   10W.....	833
LED driver 350mA   15W.....	833
LED driver 350mA   3W incl. trekcontlasting.....	838
LED driver 350mA   6W.....	833
LED driver 350mA   9W incl. trekcontlasting.....	838
LED driver 350mA incl. trekcontlasting.....	838
LED driver 500/600/700mA   30W incl. trekcontlasting.....	835
LED driver 500mA   15W.....	834
LED driver 500mA   9W incl. trekcontlasting.....	838
LED driver 700mA   10W incl. trekcontlasting.....	834
LED driver 700mA   11W incl. trekcontlasting.....	839
LED driver 700mA   39W incl. trekcontlasting.....	834

LED driver 700mA   3W incl. trekcontlasting.....	839
LED driver 700mA   40W incl. trekcontlasting.....	834
LED driver 700mA   40W incl. trekcontlasting.....	839
LED driver 700mA   6W.....	834
LED driver 800/900/1050mA   40W incl. trekcontlasting.....	835
LED driver DALI 250-700mA   20W incl. trekcontlasting.....	837
LED driver DALI 250-700mA   40W incl. trekcontlasting.....	837
LED driver DALI 350-1050mA   60W incl. trekcontlasting.....	837
LED driver DALI 700-1500mA   50W incl. trekcontlasting.....	837
LED driver VALETO® 1050mA   45W incl. trekcontlasting.....	839
LED voeding 12V/24V DC   12W.....	831
LED voeding 12V/24V DC   12W rond.....	831
LED voeding 12V/24V DC   20W.....	831
LED voeding 24V   100W.....	832
LED voeding 24V   100W.....	833
LED voeding 24V   50W.....	833
LED voeding 24V DC   100W.....	832
LED voeding 24V DC   100W.....	832
LED voeding 24V DC   150W.....	832
LED voeding 24V DC   150W.....	832
LED voeding 24V DC   20W.....	832
LED voeding 24V DC   36W.....	831
LED voeding 24V DC   60W.....	831
Plafondhaak.....	840
SLV VALETO® 350/500/700mA   15W, LED driver.....	835
Staalkabelophanging.....	841
Stopper voor staalkabel.....	841
T-verbinderbox.....	843
Textielkabel 3-polig, 3 x 0,75 mm², 10 m.....	841
Transformator 12V AC   10VA IP44.....	828
Transformator 12V AC   60VA.....	830
Transformator 12V AC   60VA IP44.....	828
Transformator 12V AC   150VA.....	830
Transformator 12V AC   105VA.....	828
Transformator 12V AC   300VA.....	828
Transformator TENSEO 12V AC   50VA.....	829
Transformator TENSEO 12V AC   105VA.....	829
Transformator TENSEO 12V AC   210VA.....	829
Verbindingsbox.....	843
Verdeelblok 3 uitgangen.....	842

TONGA® 1-fase, PD, E14.....	524
TONGA® EASYTEC® II, PD, E14.....	538
TONGA® PD, E14.....	132
TONILA TL.....	071
TOTHEE CW, PHASE.....	335
TRAIL-LITE® 60 EL.....	748
TRAPECCO DOWN WL.....	670
TRAPECCO Pole.....	606
TRIADEM PD, E27.....	139
TRILEDO CL, double, vierkant.....	321
TRILEDO CL, double, vierkant, QPAR51.....	319
TRILEDO CL, single, vierkant.....	321
TRILEDO CL, single, vierkant, QPAR51.....	319
TRILEDO CL, single, rond.....	321
TRILEDO CL, single, rond, QPAR51.....	319
TRUKKO 60/90 WL.....	261
TRUKKO WL, rechthoekig.....	261
TRUKKO WL, rond.....	261
TRUST 30/60 Pole.....	579

## V

VANO WING SP, 1-10V.....	635
VAP 40/70/100 Pole, E27.....	582
VAP SLIM 30/60/90 Pole, E27.....	582
VARU EL.....	403, 737
VARU EL, QPAR51.....	403, 737
VERLUX EL, vierkant, PHASE.....	451
VILUA S WL.....	674
VILUA L WL.....	675
VILUA UP/DOWN, WL.....	675
VINCELLI D PD, PHASE.....	111
VINCELLI D TL.....	072
VINCELLI D WL, PHASE.....	271

## W

WALLYX WL, QPAR51.....	661
WETSY EL, vierkant/rond.....	751
WL 106 E14.....	263
WL 149 WL.....	219
WL 149 WL, QT-DE12.....	219
WORKLIGHT FL.....	088
WORKLIGHT PD, DALI.....	176
WORKLIGHT PLUS FL.....	089
WORKLIGHT PLUS PD, Switch.....	177
WORO EL.....	388