



Modena – beauty and efficiency

Modena

Modena is a road-lighting luminaire that combines elegance and excellent lighting performance. Its fluid, rounded form gives it a strong and distinctive visual character. Modena offers a wide choice of optical, electrical and mechanical options to satisfy all road applications. It allows considerable energy savings (dimming with standard dimming devices or stand-alone Lumistep and Chronosense systems; electronic ballast or Telemangement system) and is easy to install and maintain. The Modena family accommodates CosmoPolis white-light technology and LED-enabled versions and comes in three sizes – for mounting heights from 3.5 to 12 meters. Each Modena luminaire is fully recyclable; only the light source and driver have to be recycled separately.

Benefits

- Beauty and efficiency - a road lighting luminaire that combines elegance and excellent lighting performance
- Considerable energy savings by use of dimming, electronic ballasts or telemangement system
- Wide choice of optical, electrical and mechanical options to meet all applications from highways to minor roads

Features

- Choice of CosmoPolis white-light or LED technology
- Electronic ballast
- Dimming with standard dimming devices or stand-alone Lumistep or Chronosense systems
- Fully recyclable

Application

- Roads
- Crossings
- Roundabouts
- Industry

Specifications

Type	SGP681 (small version)
Light source	HID: <ul style="list-style-type: none"> - 1 x MASTER CosmoWhite CPO-TW / PGZ12 / 60, 90, 140 W - 1 x MASTER CityWhite CDO-TT / E27 / 70 W - 1 x MASTER CityWhite CDO-TT / E40 / 100, 150 W - 1 x MASTERColour CDM-T / G12 / 70, 150 W - 1 x MASTER SON-T PIA Plus / E27 / 50, 70 W - 1 x MASTER SON-T PIA Plus / E40 / 100, 150, 250 W - 1 x SON / E27 / 50, 70 W - 1 x SON-I / E27 / 50, 70 W
Lamp included	Yes (K) No
Gear and compensation	Electro magnetic (low loss), 230 or 240 V / 50 Hz: <ul style="list-style-type: none"> - Inductive (IN) - Capacitive (C) Electronic, 220 - 240 V / 50 - 60 Hz: <ul style="list-style-type: none"> - Electronic (EB)
Optic	Closed CT-POT (CR) optic for CosmoPolis (all ME-classes), CDO and SON lamps, "Opti-C" concept with double IP-66, simplify cleaning of the optic and improve lamp position precision Closed XT-POT (CX) or SON lamps, gives extra wide spacing when the mast-height/road-width ratio is e.g. 10/7 or higher. "Opti-C" concept

Specifications

Options	Lighting controls: Chronosense (CH) Light regulation: <ul style="list-style-type: none"> - Lumistep for CosmoPolis (LS-6 / 8 / 10) - Dimming switch (SW) - Dimming switch with reverse function (SWR) - Dimming via SDU01S (D4) - Dimming via SDU11S (D5) - Dimming via Telemanagement Starsense 1-10Vdc (D6) - Dimming via external communication 1-10Vdc (D7) Filter coil (F) included Fuse (FU) included
Materials and finishing	Canopy, frame, spigot and closing clip: die-cast aluminum Optics: high purity aluminum Optical covers: polycarbonate bowl, UV-stabilised or toughened glass IK08

Specifications

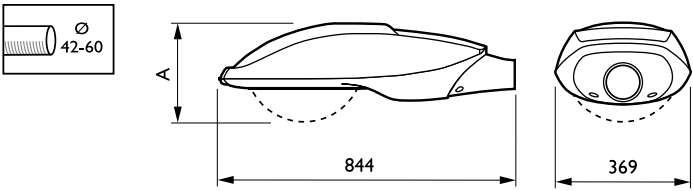
Optical cover	Polycarbonate bowl (PC) vandal-resistant Glass bowl (GB) better spacing and better night preservation solution Glass bowl with DynaClean coating (GBD) on addition to GB the self-cleaning technology improve the maintenance factor Glass flat (FG), reduce glare and improve night nuisance Glass flat with DynaClean coating (FGD)
Ignitor	Series (SI) Series, self-stopping (SS) Series, digital ignitor (SUD) Semi-parallel (SP) Semi-parallel, self-stopping (ST) Semi-parallel, digital ignitor (SND)

Color	Grey (GR) Other RAL or AKZO Sablé colors available on request
Installation	Side-entry mounting: lateral entry Ø 42 / 60 mm Post-top mounting: axial entry Ø 42 / 60 mm Recommended mounting height: 10 m Standard tilt angle post top: 5° Adjustable tilt angle: n/a Adjustable light distribution: 7 positions Max windage area: 0.154 m Max SCx values by side: 0.065 m
Maintenance	Tool-less opening from above
Accessories	Front and back louvers, ZGS253 L-FRONT resp L-BACK
Remarks	Designed to be dismantled completely, all parts can be recycled
Main applications	Roads, crossings, roundabouts, industry

Type	SGP682 (large version)
Light source	HID: - 1 x MASTER SON-T PIA Plus / E40 / 150, 250, 400 W
Lamp included	Yes (K) No
Gear and compensation	Electro magnetic (low loss), 230 or 240 V / 50 Hz: - Inductive (IN) - Capacitive (C) Electronic, 220 - 240 V / 50 - 60 Hz: - Electronic (EB)
Optic	Closed T-pot (CP) "Opti-C" concept with double IP-66, simplify cleaning of the optic and improve lamp position precision
Optical cover	Glass bowl (GB) better spacing and better night preservation solution Glass bowl with DynaClean coating (GBD) on addition to GB the self-cleaning technology improve the maintenance factor Glass flat (FG), reduce glare and improve night nuisance Glass flat with DynaClean coating (FGD)
Ignitor	Series (SI) Series, self-stopping (SS) Series, digital ignitor (SUD) Semi-parallel (SP) Semi-parallel, self-stopping (ST) Semi-parallel, digital ignitor (SND)

Options	Lighting controls: Chronosense (CH) Light regulation: - Dimming switch (SW) - Dimming switch with reverse function (SWR) - Dimming via external communication 1-10Vdc (D7) Filter coil (F) included Fuse (FU) included
Materials and finishing	Canopy, frame, spigot and closing clip: die-cast aluminum Optics: high purity aluminum Optical covers: toughened glass IK08
Color	Grey (GR) Other RAL or AKZO Sablé colors available on request
Installation	Side-entry mounting: lateral entry Ø 42 / 60 mm Post-top mounting: axial entry Ø 42 / 60 mm Recommended mounting height: 15 m Standard tilt angle post top: 5° Adjustable tilt angle: n/a Adjustable light distribution: 7 positions Max windage area: 0.195 m Max SCx values by side: 0.085 m
Maintenance	Tool-less opening from above
Remarks	Designed to be dismantled completely, all parts can be recycled

Dimensional drawing



Product
SGP681 CDO-TT70W K II CR PC AL GR SND
SGP681 SON-T70W II CR FG AL GR SND
SGP681 CDO-TT150W K II CR PC AL GR SND
SGP681 SON-T150W K II CR PC AL GR SND
SGP681 CPO-T45W K EB II OC PC AL GR
SGP681 SON-T70W K II CR PC AL GR SND
SGP681 CPO-T45W K EB 240V I OC FG AL GR
SGP681 CDO-TT150W K II CR GB AL GR SND
SGP681 SON-T100W K II CR PC AL GR SND
SGP681 SON-T150W K II CR GB AL GR SND
SGP681 CDO-TT150W II CR FG AL GR SND
SGP681 SON-T70W II CR GB AL GR SND
SGP681 CDO-TT100W K II CR FG AL GR SND
SGP681 CDO-TT70W K II CR GB AL GR SND
SGP681 CDO-TT150W II CR GB AL GR SND
SGP681 CPO-T90W K EB 240V I OC GB AL GR
SGP681 SON-T100W K EB 240V I CR FG AL GR
SGP681 SON-T100W II CR GB AL GR SND
SGP681 SON-T70W II CR PC AL GR SND
SGP681 CPO-T90W K EB 240V I OC FG AL GR
SGP681 SON-T100W K II CR FG AL GR SND
SGP681 SON-T100W K EB 240V I CR GB AL GR
SGP681 SON-T150W K II CR FG AL GR SND
SGP681 CDO-TT100W II CR FG AL GR SND
SGP681 CDO-TT100W K II CR GB AL GR SND
SGP681 CDO-TT100W II CR PC AL GR SND
SGP681 CPO-T45W K EB 240V I OC PC AL GR
SGP681 CPO-T90W K EB 240V I OC PC AL GR
SGP681 CDO-TT70W K II CR FG AL GR SND
SGP681 CPO-T60W K EB 240V I OC PC AL GR
SGP681 CDO-TT150W K II CR FG AL GR SND
SGP681 CPO-T90W K EB II OC PC AL GR
SGP681 CPO-T60W K EB 240V I OC GB AL GR
SGP681 SON-T100W II CR PC AL GR SND
SGP681 SON-T100W K II CR GB AL GR SND
SGP681 SON-T70W K II CR FG AL GR SND
SGP681 CPO-T60W K EB 240V I OC FG AL GR
SGP681 SON-T150W K EB 240V I CR PC AL GR
SGP681 CPO-T45W K EB 240V I OC GB AL GR
SGP681 SON-T100W II CR FG AL GR SND
SGP681 SON-T150W K EB 240V I CR FG AL GR
SGP681 SON-T100W K EB 240V I CR PC AL GR
SGP681 SON-T70W K EB 240V I CR GB AL GR
SGP681 CDO-TT70W II CR PC AL GR SND
SGP681 CDO-TT70W II CR FG AL GR SND
SGP681 CPO-T90W K EB 240V II OC FG AL GR
SGP681 SON-T70W K EB 240V I CR PC AL GR
SGP681 SON-T150W II CR PC AL GR SND
SGP681 CDO-TT100W II CR GB AL GR SND
SGP681 E40 II CR FG AL GR

Dimensional drawing

Product
SGP681 CDO-TT100W K II CR PC AL GR SND
SGP681 SON-T70W K EB 240V I CR FG AL GR
SGP681 CDO-TT70W II CR GB AL GR SND
SGP681 CDO-TT150W II CR PC AL GR SND
SGP681 SON-T150W K EB 240V I CR GB AL GR

