

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 Telemanagement 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 telemanagement 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

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Application

- Roads
- Crossings
- Roundabouts
- Industry

Specifications

Type	SGP681 (small version)
Light source	HID:
	- 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:
	- Inductive (IN)
	- Capacitive (C)
	Electronic, 220 - 240 V / 50 - 60 Hz:
	- 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 precission
	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

Optical cover	Polycarbonate bowl (PC) vandal-resistant
	Glass bowl (GB) better spacing and better night preservation solution
	Glass bowl with DynaClean coating (GBD) on adition to GB the self-cleaning technology improve the maintenance factor
	Glass flat (FG), reduce glare and improve night nuissance
	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)

Specifications

Options	Lighting controls: Chronosense (CH)
	Light regulation:
	- 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

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: 5º
	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

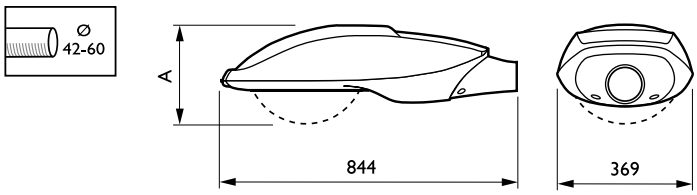
Specifications

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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 precission
Optical cover	Glass bowl (GB) better spacing and better night preservation solution
	Glass bowl with DynaClean coating (GBD) on adition to GB the self-cleaning technology improve the maintenance factor
	Glass flat (FG), reduce glare and improve night nuissance
	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: 5º
	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 SON-T150W K II CR FG AL GR SND
SGP681 CPO-T140W K EB 220V I OC GB AL GR
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 SON-T150W II CR PC AL GR SND F
SGP681 SON-T50/70W II CR PC AL GR SUD
SGP681 CDO-TT150W K II CR PC AL GR SND
SGP681 SON-T100W K II CR GB AL 5017 SND
SGP681 SON-T150W II CR PC AL GR SND
SGP681 CDO-TT100W II CR GB AL GR SND
SGP681 SON-T70W IN II CR PC AL GR SND
SGP681 E40 II CR FG AL GR
SGP681 CDO-TT100W K II CR PC AL GR SND
SGP681 E27 II CR PC AL BK-2200
SGP681 CDO-TT70W II CR GB AL GR SND
SGP681 CDO-TT150W II CR PC AL GR SND
SGP681 CPO-T140W K EB 240V I OC PC AL GR
SGP681 SON-T150W K II CR PC AL GR SND
SGP681 SON-T100W II CR PC AL GR SUD
SGP681 CPO-T45W K EB II OC PC AL GR
SGP681 SON-T70W K II CR PC AL GR SND
SGP681 CPO-T140W K EB II OC PC AL GR
SGP681 SON-T70W I CR GB AL GR SND
SGP681 CDO-TT150W K II CR GB AL GR SND
SGP681 E27 II CR PC AL GR
SGP681 SON-T100W K II CR PC AL GR SND
SGP681 SON-T150W II CR GB AL 5017 SND
SGP681 SON-T150W K II CR GB AL GR SND
SGP681 SON-T50W II CR PC AL GR SND
SGP681 SON-T50/70W II CR PC AL GR SUD CH
SGP681 CPO-T140W K EB 240V I OC GB AL GR
SGP681 CDO-TT150W II CR FG AL GR SND
SGP681 SON-T70W K II CR PC 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 CPO-T140W K EB II OC FG AL GR
SGP681 CDO-TT150W II CR GB AL GR SND
SGP681 SON-T150W K II CR GB AL 5017 SND
SGP681 SON-T70W II CR PC AL GR SND F
SGP681 E40 II CR GB AL GR
SGP681 SON-T100W I CR GB AL GR SND
SGP681 SON-T100W II CR GB AL GR SND
SGP681 SON-T70W II CR PC AL GR SND
SGP681 CPO-T140W K EB II OC GB AL GR
SGP681 SON-T100W K II CR FG AL GR SND
SGP681 E40 I CR GB AL GR
SGP681 CDO-TT70W K II CR FG AL GR SND
SGP681 CDO-TT150W K II CR FG AL GR SND

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Dimensional drawing

Product
SGP681 CPO-T90W K EB II OC PC AL GR
SGP681 SON-T100W II CR PC AL GR SND
SGP681 SON-T100/150W II CR PC AL GR SUD
SGP681 SON-T100W K II CR GB AL GR SND
SGP681 SON-T70W K II CR FG AL GR SND
SGP681 SON-T100W II CR FG AL GR SND
SGP681 SON-T50W K II CR PC AL GR SND
SGP681 CPO-T60W K EB II OC PC AL GR LS-1
SGP681 SON-T100W II CR PC AL GR SUD
SGP681 CDO-TT70W II CR PC AL GR SND
SGP681 CPO-T60W K EB II OC PC AL GR LS-6
SGP681 E27 II CR PC AL 6005
SGP681 CPO-T60W K EB II OC PC AL GR LS-8
SGP681 CDO-TT70W II CR FG AL GR SND
SGP681 SON-T100W II CR PC AL GR SND
SGP681 CDO-TT70W K II CR PC AL GR SND
SGP681 CPO-T60W K EB II OC PC AL GR
SGP681 SON-T70W II CR PC AL GR SND FU
SGP681 SON-T70W II CR FG AL GR SND

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