



Fugato Classic

Performance and accent lighting

PHILIPS
sense and simplicity



Dedicated Elite lamps enhance store diversity



Complete lighting solution for retail and hospitality accent lighting

Today's customers want higher-value, energy-saving lighting solutions, with high-quality light, a positive total cost of ownership, and a payback time of less than two years.

We have introduced a unique new technology in a well-known luminaire family:

Fugato with high-reflective optics – a complete solution for high-performance retail accent lighting.

This new reflector technology will allow your customers to achieve energy savings of up to 50% while maintaining a very high luminance package with the new Elite+ lamps.

With Elite+ lamps ranging from 35 to 100 W and new dimming technology, as well as a number of Elite+ fresh food lamps, your customers will have a wide choice of solutions, with a consistent reflector design across the Fugato HID luminaire range.

We have also introduced the new AspiraVision ballast for optimum energy supply in conjunction with Elite+ lamps.

In this product guide you will also discover accessories for specific installations, such as rimless solutions and concrete build-in box installations.

Perfect solution for
fresh food applications –
the new CDM Elite lamps



Applications



Supermarkets

- Fresh food areas
- End of gondola (head displays)
- Promotional areas



Fashion

- Shelves and racks
- Promotional areas
- Entrance and traffic areas



Supermarket fresh food areas

- Fruit and vegetables
- Fish
- Cheese
- Meat
- Bakery and patisserie
- Wines
- Flowers

Fugato Mini Accent range

Fugato Mini Accent is part of the Fugato downlight range, which stands for optimal lighting performance, great functionality and consistency in design. It offers miniaturized fixed (250 series), adjustable (252 series) and cardanic (254 series) recessed downlights with compact discharge lamps. The platform cut-out is 125 mm.

As well as the standard 12, 24 and 36° beam optics, very high-efficiency optics are available in 24 and 36° for the cardanic and adjustable versions. Together with the latest MASTERColour Elite lamps, these very high-efficiency optics can halve energy consumption compared to outdated technology.

Fugato Mini Accent's compact dimensions and reduced heat emission allow it to be mounted close to the merchandise.



Fugato Compact Accent range

Fugato Compact Accent is part of the Fugato downlight range, which stands for optimal lighting performance, great functionality and consistency in design. It offers compact fixed (260 series, with rim and rimless versions), cardanic (264 series) and fully internally/externally adjustable (262 series) recessed downlights with compact discharge lamps. The platform cut-out is 175 mm.

As well as the standard 12, 24 and 36° beam optics and a flood optic (60°), very high-efficiency optics are available in 24 and 36°. Together with the latest MASTERColour Elite lamps, these very high-efficiency optics can halve energy consumption compared to outdated technology. Champagne-colored optics can be used with the adjustable and cardanic versions to create a warm lighting impression. And the cardanic version also has dedicated optics for oval and rectangular beam shapes.



Details about High-Reflective technology

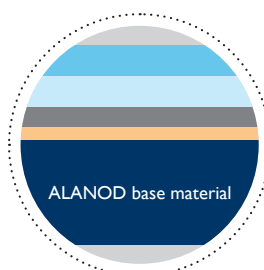


The new high-reflective optics offer an increased LOR. When used in conjunction with CDM 930 lamps they enable energy savings of up to 50% compared to standard optics with 830 lamps.

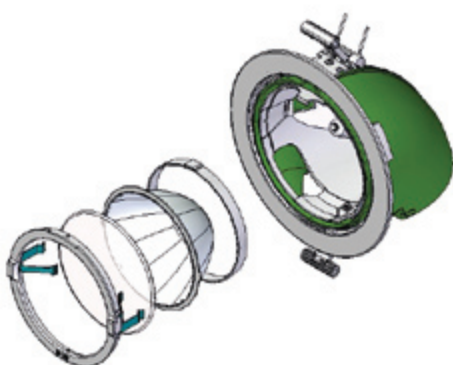
Why are these new optics so efficient?

1. They are made from high-reflective aluminum MIRO material.
To further increase this reflectivity, several nanometer-thin optical coatings must be applied to the aluminum surface in a vacuum.
2. With special techniques this material can be shaped into a reflector.
3. A new reflector shape has been developed that is more efficient than the traditional spinning reflector designs.

This unique technology is available for the Elbow Compact, Cardanic Compact, Fixed Compact and Cardanic Mini Fugato luminaires. It comes in 24° and 36° versions (24-H and 36-H).



- Super reflective oxide-layer system
- Purest aluminium 99,99%
- Bonding layer

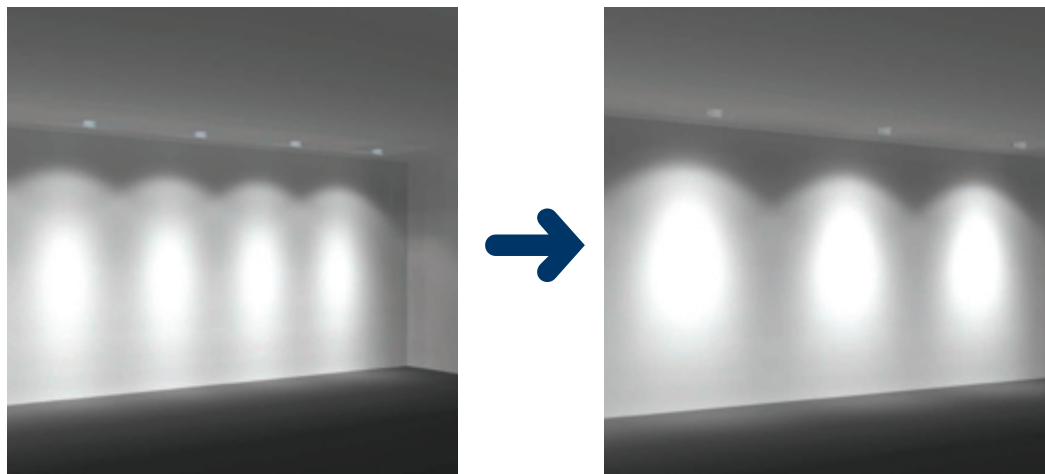


Exploded view of the 24° Elbow version



Exploded view of the 36° Fixed version

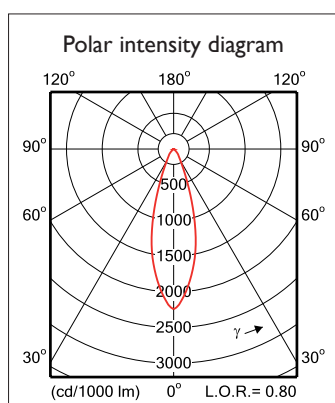
Application story: Fugato Classic



Fewer luminaires – replacing CDM 35/70 W 830 with CDM 35/70 W 930 Elite:

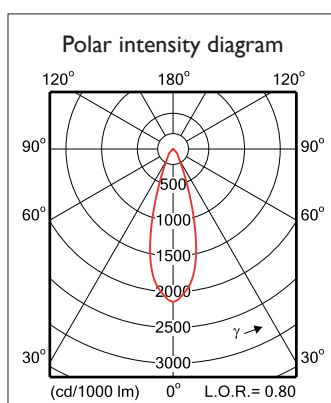
- delivers the same average lux level
- reduces the number of luminaires by up to 25% (24° -> 36°)
- saves 25% energy

High-performance results (examples):



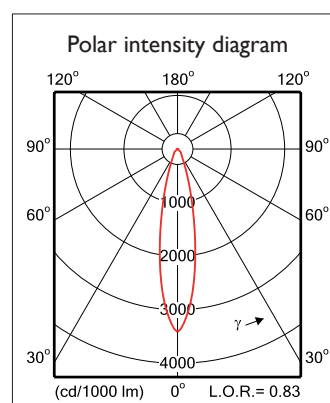
Optical measurements:

MBS260 36°



Optical measurements:

MBS264 36°



Optical measurements:

MBS262 24°

New lamps and gear

Fugato is equipped with the new MASTERColour Elite lamps, for more efficient, longer life.

Advantages

- Excellent light quality (CRI >90)
- Longer life: up to 15,000 hours
- Improved lumen maintenance: up to 80% after 15,000 hours
- Higher lumen efficacy at lamp level > 100 lumen/W
- Savings of up to 45% on relamping

Fugato can be equipped with new MASTERColour Elite Light Boost 70 W.

Light level variation while still producing fantastic colors.

CDM Elite Light Boost

- Variable light levels anywhere between 7800 lm and 3500 lm
- Fast reaction time

Elite performance

- Crisp white sparkling light
- Excellent light quality
- Energy-efficient, long life

User experience

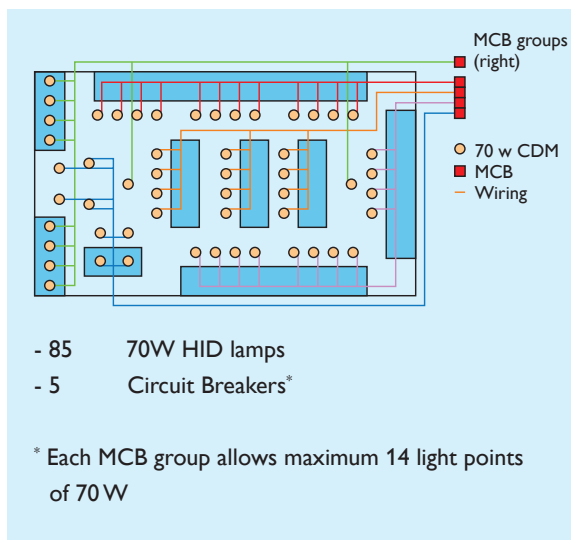
- Easy to install and replace

Up to 45% energy savings when dimmed to 50%



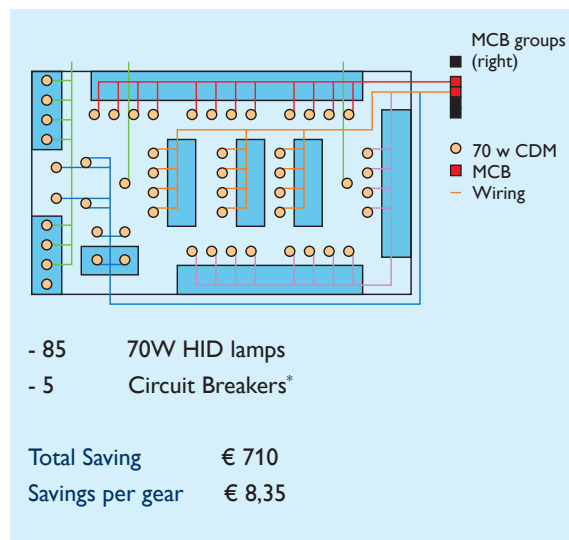
AspiraVision Soft Start feature reduces the number of MCBs

Standard



Benefit: low cost of installation

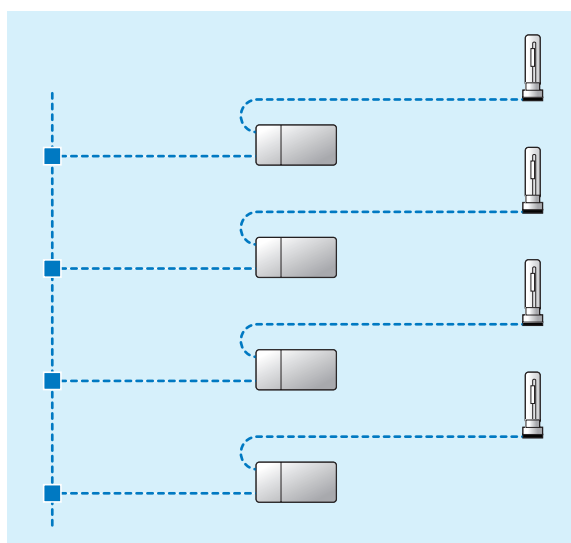
With SOFT START



Calculation tool

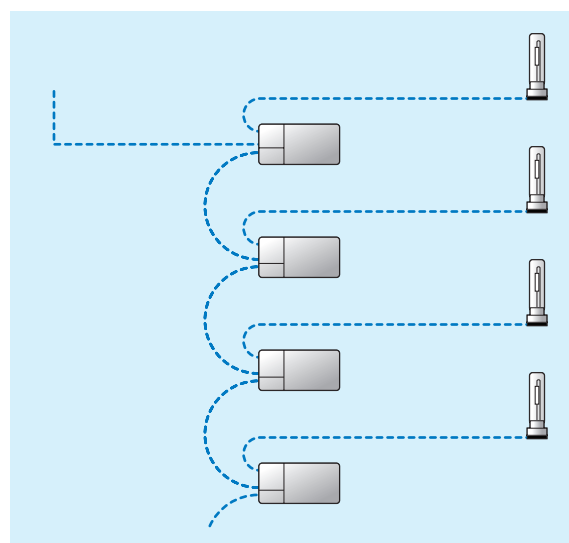
AspiraVision Loop-Through feature

Standard



Benefit: reduces the installation cost (for wiring)

With SOFT START





Dimming

(dedicated technology solution for variable intensity during the day and night)

AspiraVision DALI features*

Logging

- Voltage (mains and lamp)
- Lamp power
- Driver temperature
- Status events (mains low/high, ignition OK/fail, EOL detection, etc.)

Benefits

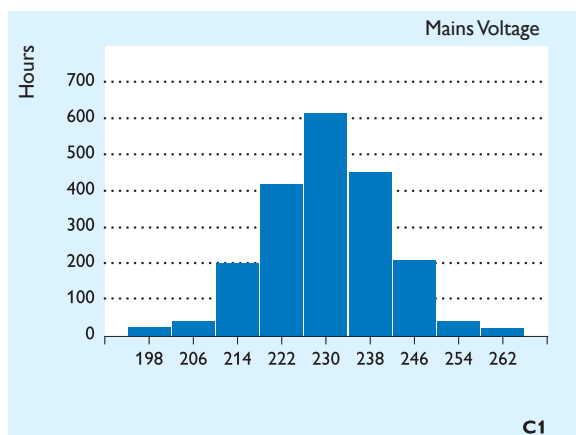
- Preventive maintenance
- Error diagnosis (warranty purposes)

Dimming

- Up to 50% dimming of CDM Elite Dim lamp

Benefits

- Energy efficiency
- Various application benefits
 - Scene setting
 - Daylight harvesting
 - Occupancy management
 - Store window



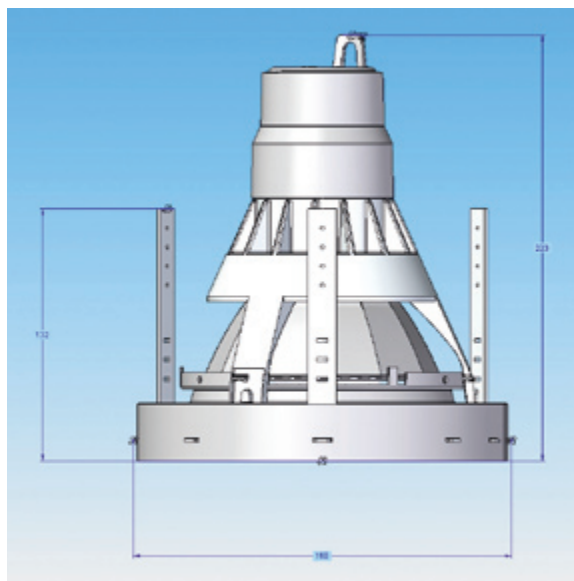
Logging

(*only for AspiraVision DALI in combination with CDM Elite Light Boost)

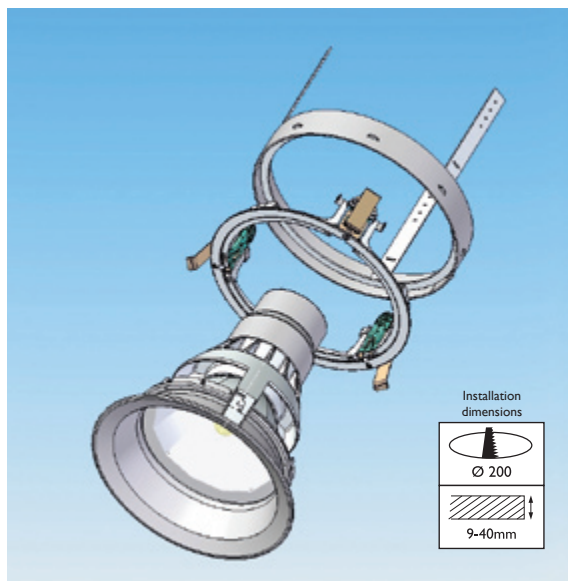
New options for better installation in a specific environment

MBS Rimless

- Plaster ceilings from 9 to 40 mm (adjustable feature)
- Lamp is replaceable
- Separate mounting frame (needs to be ordered separately):
 - Ease of installation
 - Allows good-quality plaster finishing
 - De-installation possible

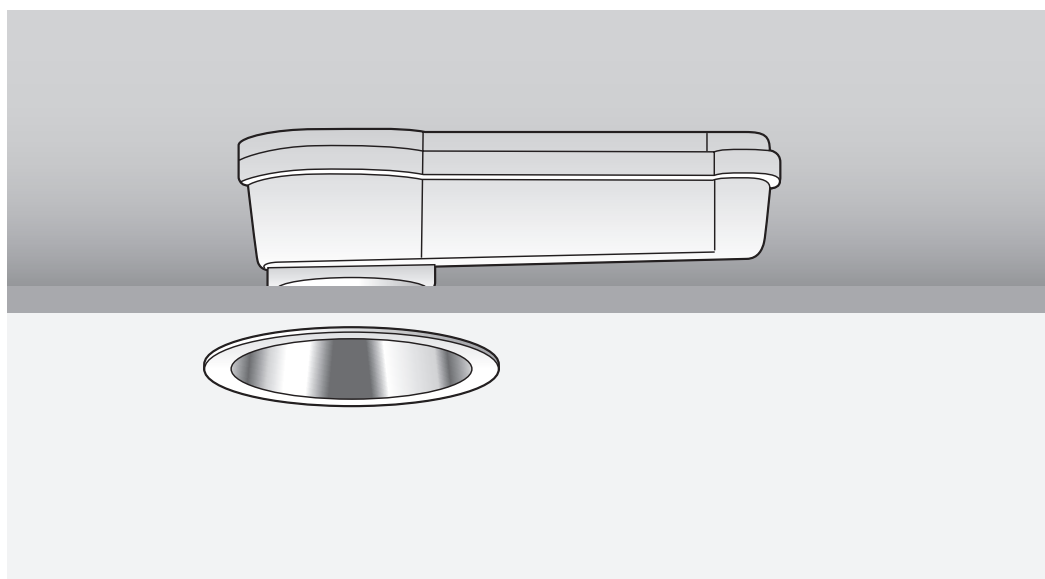


Dimensions of the ceiling rim



Concrete build-in boxes (Kaiser)

Special boxes can be used to build the Fugato HID into concrete ceilings. Tests have been performed for the HID version of the Fugato with the system in a concrete box. References are given below to the luminaires and the concrete box to be used. The boxes can be ordered directly from the wholesaler or at <http://www.kaiser-elektro.de> (not via IPSC Factory Lamotte).

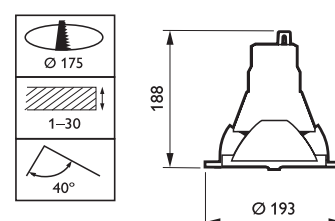
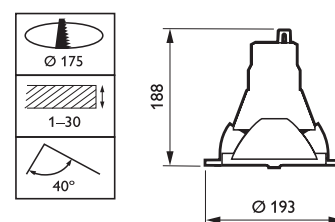
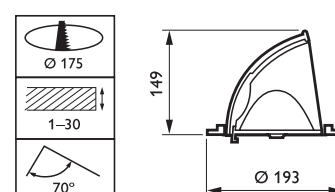
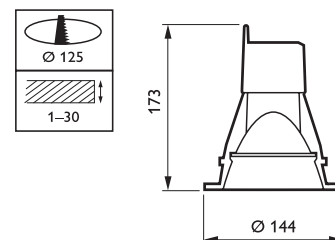


- MBS262 up to CDM-T 150 W with KompaX® 2 and two 500 mm intermediate frames
- MBS264 up to CDM-T 150 W and SDW-TG 100W with KompaX® 2 and two 500 mm intermediate frames
- MBS260 up to CDM-T 150 W with KompaX® 2 and three 500 mm intermediate frames
- MBS252 up to CDM-Tc 70 W with KompaX® 1 and two 500 mm intermediate frames
- MBS250 up to CDM-Tc 70 W with KompaX® 1 and two 500 mm intermediate frames

Technical data

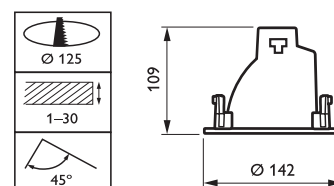
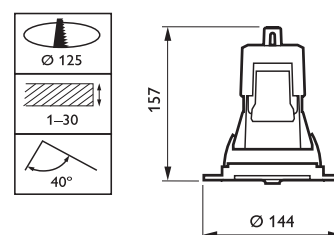
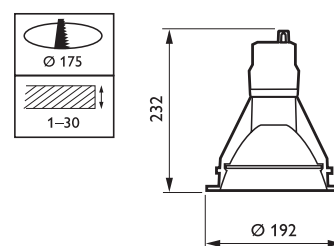
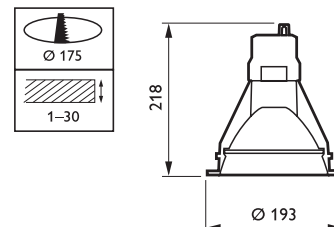
Fugato Mini Accent

Product features	Variations
Type	MBS250 (fixed, HID lamp version) LBS250, QBS250 (fixed, halogen lamp version) MBS252 (adjustable, HID lamp version) MBS254 (cardanic adjustable, HID lamp version) LBS254, QBS254 (cardanic adjustable, halogen lamp version)
Light source	HID: 1 x MASTERColour CDM-TC / G8.5 / 35, 70 W 1 x MASTERColour CDM-TC Elite Light Boost / G8.5 / 70 W 1 x MASTERColour CDM-TC Elite / G8.5 / 35, 50, 70 W 1 x MASTERColour CDM-R PAR20 / E27 / 35 W Halogen: 1 x Capsuline / GY6.35 / 75 W
Lamp included	Yes (K or lamp color 740, 830, 930 or 942)
Lamp position	Vertical
Light distribution	Direct
Ballast	Electronic, 220-240 V / 50-60 Hz: Electronic Ballast (EB) AspiraVision (EBA) AspiraVision DALI (EBD)
Transformer	Electronic (ET) (for halogen lamp version)
Optic	Narrow beam: standard 12° (12) Medium beam: High-reflective, 24 and 36° (24-H and 36-H) Standard 24 and 36° (24, 36)
Connection	Cable + Wieland GST18/3 (CW) Push-in connector (PI) Screw connection block (SI) Cable and plug (CCE)
Options	Wieland connectors Wieland through-wiring
Material	Housing: die-cast aluminum Mounting frame: stainless steel Reflector: aluminum, very high-reflective Front cover: glass (only with CDM lamps)
Color	Grey (GR), white (WH) or black (BK) Other RAL colors available on request
Installation	Fixation by means of spring fasteners Tilting: Cardanic version: 40° Adjustable version: 45°
Maintenance	Direct lamp access
Accessories	Protective glass, sculptural lens, different filters
Remarks	CDM-T versions are delivered with protective glass Housing has safety suspension points for chain, cable or threaded rod CDM-Elite Light Boost only in combination with AspiraVision DALI



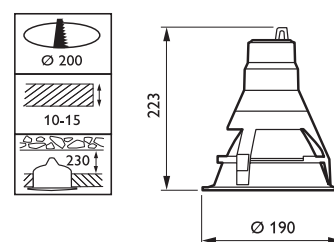
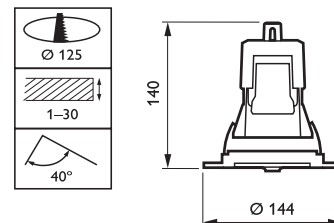
Fugato Compact accent lighting

Product features	Variations
Type	MBS260 (fixed, HID lamp version) QBS260 (fixed, halogen lamp version) MBS262 (internally/externally adjustable, HID lamp version) MBS264 (cardanic adjustable, HID lamp version) LBS264, QBS264 (cardanic adjustable, halogen lamp version)
Light source	HID: 1 x MASTERColour CDM-TC Elite / G8.5 / 35, 50, 70 W 1 x MASTERColour CDM-TC / G8.5 / 35, 70 W 1 x MASTERColour CDM-T Elite / G12 / 35, 50, 70, 100, 150 W 1 x MASTERColour CDM-T Elite LightBoost / G12/ 70 W 1 x MASTERColour CDM-T / G12 / 35, 70, 150 W 1 x MASTERColour CDM-TC / G8.5 / 35, 70 W 1 x MASTERColour CDM-R111 / GX8.5 / 35, 70 W 1 x MASTERColour CDM-R PAR30L / E27 / 35, 70 W 1 x MASTER SDW-TG Mini / GX12-1 / 50, 100 W 1 x MASTER SDW-T / PG12-1 / 35, 50, 100 W Halogen: 1 x Aluline 111 / G53 / 100 W 1 x HalogenA PAR30S / E27 / 75 W
Lamp included	Yes (K or lamp color 740, 830, 930 or 942)
Lamp position	Vertical
Light distribution	Direct
Lamp beam angle	HalogenA PAR30S: 10 or 30°
Ballast	Electromagnetic (low loss), 230 or 240 V / 50 Hz: Inductive, parallel compensated (IC) Electronic, 220-240 V / 50-60 Hz: Electronic (EB) AspiraVision (EBA) AspiraVision DALI (EBD)
Transformer	Electronic (ET) (for halogen lamp version)
Optic	Narrow beam: standard 12° (12) Medium beam: High-reflective, 24 and 36° (24-H and 36-H) Standard 24 and 36° (24, 36) Champagne color 24 and 36° (24-CH, 36-CH) Wide beam: Standard 60° (60) Champagne color 60° Oval beam: Oval beam (OVL-SI), oval beam champagne color (OVL-CH) Oval beam with black louvers (OVL1-SI), Oval beam with black louvers champagne color (OVL1-CH)
Connection	Cable + Wieland GST18/3 (CVW) Push-in connector (PI) Screw connection block (SI) Cable and plug (CCE)



Fugato Compact accent lighting

Product features	Variations
Options	Wieland connectors Wieland through-wiring
Material	Housing: die-cast aluminum Mounting frame: stainless steel Reflector: aluminum or very high-reflective aluminum Front glass: glass
Color	Grey (GR), white (VH) or black (BK) Other RAL colors available on request
Installation	Fixation by means of spring fasteners or, with rimless version, directly into the ceiling after installing mounting frame
Tilting:	Cardanic version: 40° Adjustable version: 80° externally, 40° internally
Maintenance	Direct lamp access
Accessories	Protective glass, sculptural lens, different filters Recessed mounting frame (ZBS260 CFRM-RML) for Fugato Compact Accent rimless (MBS260)
Remarks	CDM-T and CDM-Tc versions are supplied with protective glass Housing has safety suspension points for chain, cable or threaded rod CDM Elite Light Boost only in combination with AspiraVision DALI Rimless MBS260 only in combination with recessed mounting frame ZBS260 CFRM-RML





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