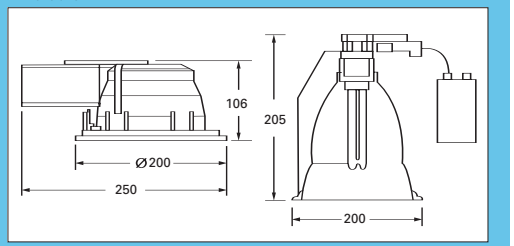
Downlights

Downlights are discrete, and sometimes almost invisible lighting products that can be used for many different purposes. Philips range incorporates a wide variety of lamps, reflectors and accessories – in different shapes and colors. Hence, there is virtually no limitation to integrate these in any application.

FBS145C

Dimensions in mm



145 series

Professional standard recessed downlights with a 145mm internal diameter. Complete with a very efficient highly polished reflector in sliver aluminium finish. Suitable for incandescent, halogen, compact fluorescent and high intensity discharge lamps.

Main applications

- Mixed use shopping centres
- Corridors
- Department stores - general lighting
- High-end fashion shops and boutiques
- Restaurants, cafeterias and hotels
- Museum display, public buildings and waiting areas
- Transport buildings e.g. airport terminals and interchanges
- Small offices and conference rooms

Features

- Modular concept - same cut out diameter allows a consistent appearance and interchangeable accessories and components
- Adjustable swing out metal clip integrates easily into various ceiling systems
- Maintenance is simplified with direct lamp access from below
- Employs highly efficient reflector with a polished upper part to increase reflection while the frosted lower part contributes to better glare control
- Die cast aluminium housing creates a compact and sturdy architecture to interface with different accessories

Materials and finish

- FBS145: Die cast aluminium body. Polycarbonate plastic outer ring. Aluminium reflectors.
- MBS145: Cast aluminum housing and ring, silver (frosted)aluminum reflectors.

Installation

- Cut-out diameter: 185mm
- Ceiling thickness: 1 - 28 mm
- Method: position the quick release metal clip according to the thickness of the ceiling boards
- Safety distance: 0.5m
- Lamp position: vertical downwards
- Maintenance: direct lamp access from below
- Lamp driver: complete with luminaire order
- CFL range: supplied with separate pre-wired ballasts polyamid gear box in black colour. Also available in HF versions
- HID range: supplied with separate pre-wired control gear in natural extruded aluminium box
- All HID versions come with built-it thermal switch gear

Accessories

- Decorative front glass ZZG145.

Classifications

- IP 20
- Class I
- Complies with IEC 598

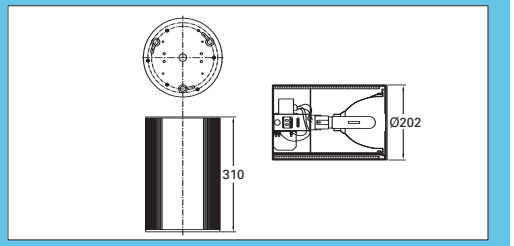
Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Color	Compensation Circuit	Gear	Comm Code
QBS145 C HAL-P38-120W 220V-50Hz CN	QBS145	0.9	1	HAL-P38	120	No	No	CONV	824106204480
FBS145 C 1xPL-C/2P18W I FG 220V-50Hz CN	FBS145	3.0	1	PL-C/2P	18	No	I	CONV	824106111877
FBS145 C 1xPL-C/2P10W I 220V-50Hz CN	FBS145	3.0	1	PL-C/2P	10	No	I	CONV	824106215280
FBS145 C 1xPL-C/2P18W I 220V-50Hz CN	FBS145	2.8	1	PL-C/2P	18	No	I	CONV	824106105777
FBS145 C 1xPL-C/2P13W I FG 220V-50Hz CN	FBS145	3.0	1	PL-C/2P	13	No	I	CONV	824106109577
FBS145 C 1xPL-C/2P13W I 220V-50Hz CN	FBS145	2.8	1	PL-C/2P	13	No	I	CONV	824106105677
FBH145 C 1xPL-C/2P18W I FG 220V-50Hz CN	FBH145	2.1	1	PL-C/2P	18	No	I	CONV	824106200380
FBH145 C 1xPL-C/2P10W I FG 220V-50Hz CN	FBH145	2.1	1	PL-C/2P	10	No	I	CONV	824106201680
FBH145 C 1xPL-C/2P18W I 220V-50Hz CN	FBH145	2.1	1	PL-C/2P	18	No	I	CONV	824106202480
FBH145 C 2xPL-C/2P18W IC FG 220V-50Hz CN	FBH145	2.6	2	PL-C/2P	18	No	IC	CONV	824106202980
FBH145 C 1xPL-C/2P13W I FG 220V-50Hz CN	FBH145	2.1	1	PL-C/2P	13	No	I	CONV	824106207480
FBH145 C 2xPL-C/2P26W I FG 220V-50Hz CN	FBH145	3.0	2	PL-C/2P	26	No	I	CONV	824106213080
FBH145 C 2xPL-C/2P26W I 220V-50Hz CN	FBH145	3.0	2	PL-C/2P	26	No	I	CONV	824106215480
FBH145 C 2xPL-C/2P13W I 220V-50Hz CN	FBH145	2.4	2	PL-C/2P	13	No	I	CONV	910401940280
FBH145 C 2xPL-C/2P13W I FG 220V-50Hz CN	FBH145	2.4	2	PL-C/2P	13	No	I	CONV	910401940380
FBH145 C 2xPL-C/2P18W I 220V-50Hz CN	FBH145	2.4	2	PL-C/2P	18	No	I	CONV	910401940480
FBH145 C 2xPL-C/2P18W I FG 220V-50Hz CN	FBH145	2.4	2	PL-C/2P	18	No	I	CONV	910401940580
FBH145 C 1xPL-C/2P13W I 220V-50Hz CN	FBH145	2.0	1	PL-C/2P	13	No	I	CONV	910401940780
FBH145 C 2xPL-C/2P26W I 230V-50Hz	FBH145	3.0	2	PL-C/2P	26	No	I	CONV	911400309780

JP Morgan Campus, India

FCS145

Dimensions in mm



M/F/QCS145 series

Surface mounting technical downlights with highly efficient 145 mm internal diameter (frosted) silver reflector. White decorative ring, protection glass and control gear are supplied together with downlight.

Main applications

- Representative offices
- Reception and public service areas
- Corridors and staircases
- Recreational areas (sport halls, restaurants, cafeterias)
- Department stores, Fashion shops Small independent food

Features

- Compact design with "3 in 1" concept of integrated lamp - reflector- gear.
- Modular concept with same diameter allows consistent appearance & interchangable accessories.
- Extruded ALU housing creates a compact & sturdy architecture.

Technical description

- Power supply: 220V/50Hz, 240V/50Hz or 220V/60Hz with through-wiring designed connector.
- Gear: Control gear unit is supplied together with the luminaire.

Materials & finish

- Material : aluminum extrusion case and die-casting ring, silver (frosted) aluminum reflector.

Installation

- Direct mounting to the ceiling by using the base plate and then counter clockwise to turn the luminaire onto the base plate.
- Open the side maintenance door to connect electrical power and tighten the safety screw.
- Safety: 0.5 M.
- Maintenance: direct lamp access (by removing the decorative ring with protection glass).

Classifications

- IP 20
- Class I
- Complies with IEC 598

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Color	Compensation Circuit	Gear	Comm Code
MCS145 C CDM-T35W IC 220V-50Hz CN	MCS145	4.2	1	CDM-T	35	No	IC	CONV	824106224380
MCS145 C CDM-T70W IC 220V-50Hz CN	MCS145	4.6	1	CDM-T	70	No	IC	CONV	824106224480
MCS145 C CDM-T150W IC 220V-50Hz CN	MCS145	5.4	1	CDM-T	150	No	IC	CONV	824106224580
MCS145 C CDM-TD70W 220V-50Hz CN	MCS145	4.6	1	CDM-TD	70	No	IC	CONV	824106224680
MCS145 C CDM-TD150W IC 220V-50Hz CN	MCS145	5.4	1	CDM-TD	150	No	IC	CONV	824106224780
MCS145 C CDM-T35W IC 230V-50Hz	MCS145	4.2	1	CDM-T	35	No	IC	CONV	911400317980
FCS145 C 1xPL-C/2P26W IC 220V-50Hz CN	FCS145	2.8	1	PL-C/2P	26	No	IC	CONV	824106222480
QCS145 C HAL-P38-120W 220V-50Hz CN	QCS145	2.0	1	HAL-P38	120	No	No	No	910401681080

Homeworld Shopping Mall, China

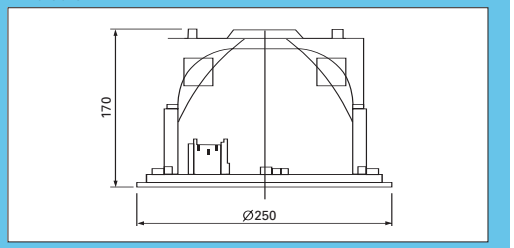
Downlights

MBS205

MBS 205-250TD

MBS 205-150TD/070TD

Dimensions in mm



MBS 205-250/150/070TD

Standard recessed downlights with a wide lighting distribution ideal for illumination, lobbies. Can be used with double ended 300W R7s mains halogen, the new colour stabilized and MASTERColour CDM lamps. The CDM lamps come with UV-blocked glass envelope to screen off excessive UV and is available up to 250W. Ideal for multi-volume atriums, circulation zones and meeting points.

Main applications

- Representative offices
- Reception and public service areas
- Corridors and staircases
- Recreational areas (sport halls, restaurants, cafeterias)
- Department stores, Fashion shops
- Small independent food/non-food shops

Technical description

- Power supply: 230V/50Hz, or 220V/60Hz; through-wiring designed connector.
- Gear: Control gear unit is supplied together with the luminaire.

Materials & finish

- Material : cast aluminum housing and ring, silver (frosted) aluminum reflector.

Installation

- Cut-out diameter: 245 mm dia.
- Thickness of ceiling: 1-30 mm
- Method: position fasteners using screw clips according to the thickness of the false ceiling after removing the reflector.
- Safety: 0.8 – 1.2 M.
- Maintenance: direct lamp access (by removing the decorative ring with protection glass).

Accessories

- U/V filtering glasses

Choice of optics

- Gold (frosted) reflector is on special request.

Classifications

- IP 20
- Class I

IP 20

MBS205

Mounting swing clips

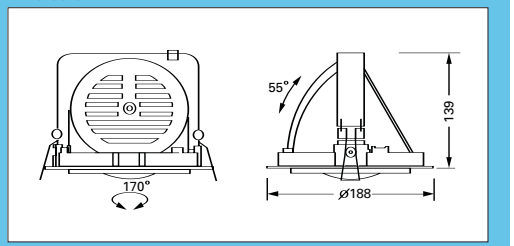
Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Color	Compensation Circuit	Gear	Comm Code
MBS205 CDM-TD150W IC	MBS205	3.6	1	CDM-TD	150	No	IC	CONV	824106103277
MBS205 CDM-TD70W IC	MBS205	3.6	1	CDM-TD	70	No	IC	CONV	824106103377
MBS205 MHN-TD250W IC	MBS205	4.5	1	MHN-TD	250	No	IC	CONV	824106201580

China National Power Centre, Beijing, China

MBN100

Dimensions in mm



MBN100
Recessed fixed downlight for MASTER Colour CDM-T lamps

Main applications
- Small independent food/non-food shops
- Discount stores, hyper-/supermarkets, do-it-yourself shops
- High-end fashion shops, boutiques
- Department stores, fashion shops

Features
- Solid and durable, excellent heat dissipating effect
- Orientations can be 70° horizontal and 65° vertical
- Separate gear box

Materials and finish
- Die cast aluminum housing, zinc-coated steel gear box, high intensity toughened glass.

Installation
- Thickness of false ceiling: 1 - 40 mm
- Method: position spring fasteners
- Safety distance: 0.8 m
- Maintenance: by removing the front protection glass

Classifications
- IP 20
- Class I
- Complies with IEC 598

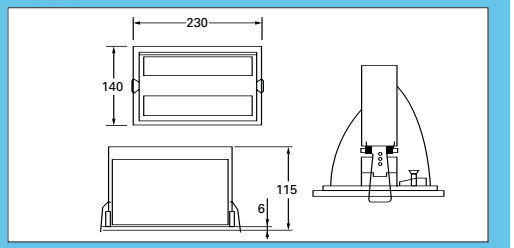
MBN100

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit	Gear	Comm Code
MBN100 CDM-T35W IC	MBN100	2.80	1	CDM-T	35	IC	CONV	910401944380
MBN100 CDM-T70W IC	MBN100	2.80	1	CDM-T	70	IC	CONV	910401944280

MBN200

Dimensions in mm



MBN200
Recessed adjustable downlight for MASTER Colour CDM-TD and Halogen-DE lamps.

Main applications
- Small independent food/non-food shops
- Discount stores, hyper-/supermarkets, do-it-yourself shops
- High-end fashion shops, boutiques
- Department stores, fashion shops

Features
- Die-cast aluminium housing, solid and durable, excellent heat dissipating effect
- Orientations from 0° to 60°
- Separate gear box to reduce the bearing of ceiling and good for heat dissipation

Materials and finish
- Die-cast aluminium body, white painted, steel gear box, 5mm-thick tempered glass.

Installation
- Thickness of false ceiling: 2 - 24 mm
- Method: position spring fasteners
- Safety distance: 0.8 m
- Maintenance: by removing the front protection glass

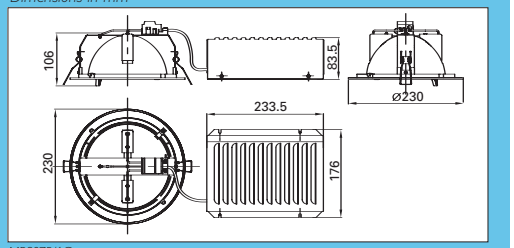
Classifications
- IP 20
- Class I
- Complies with IEC 598

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Gear	Comm Code
MBN200 MHN-TD70W EB	MBN200	2.50	1	MHN-TD	70	EB	910401680980
MBN200 MHN-TD150W EB	MBN200	3.00	1	MHN-TD	150	EB	910401680880

MBS075

Dimensions in mm



MBS075/1C

MBS075

The aesthetical design and energy saving features of the MBS075 downlight series is an effective solution for your indoor lighting needs. It comes complete with a highly efficient gloss aluminum reflector, standard white decorative ring and an integrated gearbox. MBS075 is suitable with double-ended metal halide or MasterColour ceramic discharge metal halide lamps. Optional frosted or transparent front glass and silver decorative rings are available upon request.

Main applications

- Department stores-general lighting
- Specialized chain stores & supermarkets
- Auditoriums, lobbies & building halls
- Restaurants, cafeterials and hotels
- Public buildings, waiting areas & corridors
- Small offices and conference rooms

Features

- A wide variety of lamp choices:
  MHN-TD 70W, 150W and CDM-TD 70W, 150W
- Easy open clip for direct lamp access thereby easing maintenance

Materials and finish

- House: Die-cast aluminium
- Reflector: High purity anodized aluminum, thickness=1mm
- Ring: Die-cast aluminium in white
- Front glass: Toughened glass with patterns, thickness=3mm
- Gear box: Zinc-plating steel, thickness=0.8mm
- Bracket: Zinc-plating steel, thickness=1.2mm

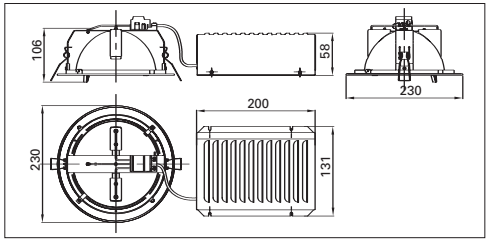
Installation

- Cutout diameter: 215mm
- Ceiling thickness: 2-24mm
- Lamp position: horizontal mounted

Classifications

- IP 20
- Class I
- Complies with IEC 598

Dimensions in mm



MBS075/EHS

Preferred selection

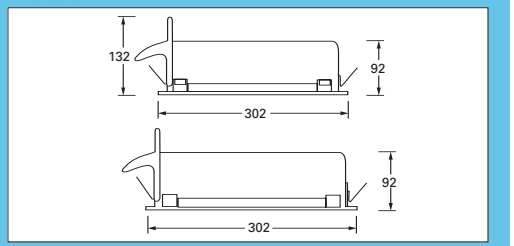
Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Comm Code
MBS075 1xMHN-TD70W IC WH	MBS075	5.8	1	MHN-TD	70	911401142580
MBS075 1xMHN-TD150W IC WH	MBS075	7.4	1	MHN-TD	150	911401142980
MBS075 1xCDM-TD70W IC WH	MBS075	5.8	1	CDM-TD	70	911401142680
MBS075 1xCDM-TD150W IC WH	MBS075	7.4	1	CDM-TD	150	911401142880
MBS075 1xCDM-TD70W EHS WH	MBS075	5.2	1	CDM-TD	70	911401141880

Clarion Hotel, Indonesia

Odyssey M/QBR600

MBR600c

Dimensions in mm



Odyssey M/QBR600
Recessed luminaire for compact fluorescent PL-C, MASTER Colour CDM-TD and halogen Plusline lamps. Dedicated to general lighting with an asymmetrical light distribution for indoor applications.

Main applications
- Small independent food/non-food shops
- Department stores, fashion shops

Features
- Professionally designed asymmetric reflector
- A variety of lamp choices: PLC 26W,CDM-TD 70W/150W, HAL-DE 200W
- Fast clip for ease of installation and maintenance
- Delivered with male and female electrical connector fitted on the luminaire
- Self-locking fixed device, the luminarie need not be taken down when replacing the lamp or electrical component

Materials and finish
- Housing: body of extruded profile aluminium, painted grey with glass front face

Installation
- For wall, floor or ceiling. Cut-out: 285 x 293 mm. Fixation with adjustable clips in ceilings of thickness 3 - 24 mm.
- For other ceilings and walls, additional counter-sunk rim holes available for screw fixing, or use the integration frame ZBR600.

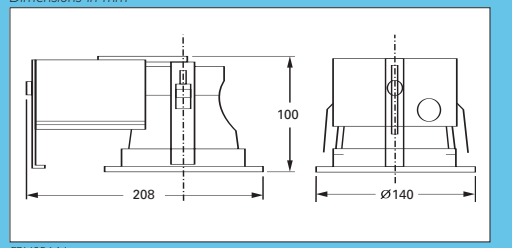
Classifications
- IP 20
- Class I
- Complies with IEC 598

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit	Gear	Comm Code
FBR600 C PL-C/2P26W I	FBR600	4.00	1	PL-C/2P	26	I	CONV	910401640980
FBR600 C PL-C/2P26W I	FBR600	2.40	1	PL-C/2P	26	I	CONV	910403340080
MBR600 C CDM-TD70W EB	MBR600	5.50	1	CDM-TD	70	No	EB	910401640780
MBR600 C CDM-TD70W IC	MBR600	5.50	1	CDM-TD	70	IC	CONV	910401641080
MBR600 C CDM-TD150W EB	MBR600	6.20	1	CDM-TD	150	No	EB	910401640880
MBR600 C CDM-TD150W IC	MBR600	6.20	1	CDM-TD	150	IC	CONV	910401641180
QBR600 C HAL-TDC200W	QBR600	4.10	1	HAL-TDC	200	No	No	910401641280

FBH056/FBS056

Dimensions in mm



FBH056 No

FBH/S056

Professional miniature recessed downlights with a 140mm diameter. Complete with a highly efficient frosted aluminum reflector, standard white decorative ring and integrated gear box. Suitable for PL-C 10W /13W /18W compact fluorescent lamps. Clear glass option upon request.

Main applications

- Department stores
- Specialized chain stores, supermarkets
- Auditoriums, lobbies, halls
- Restaurants, cafeterias, hotels
- Public buildings, waiting areas, maintenance corridors
- Small offices, conference rooms

Features

- Measuring just 140mm in diameter
- A low height of 100mm is ideal for corridors with tight ceiling spaces
- Adjustable swing out metal clip integrates easily with various ceiling systems
- Maintenance is simplified with direct lamp access from below
- Front glass version is available upon request

Materials and finish

- Housing: high-quality sheet metal cold-rolled steel
- Reflector: high-purity aluminum
- Ring: made of steel with powdery finish

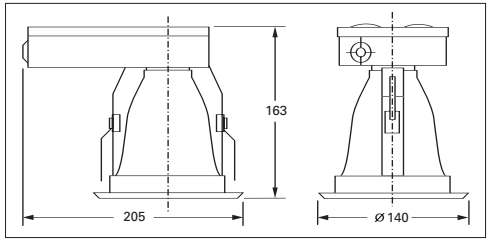
Installation

- Cut-out diameter: 120 - 130 mm
- Ceiling thickness: 1 - 28 mm
- Position the quick-release metal clip according to the thickness of the ceiling boards
- Lamp position:
  FBH056 horizontally mounted
  FBS056 vertically mounted

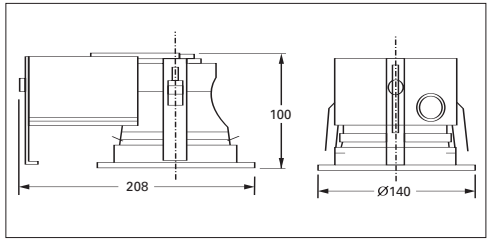
Classifications

- IP 20
- Class I
- Complies with IEC 598

Dimensions in mm



FBS056



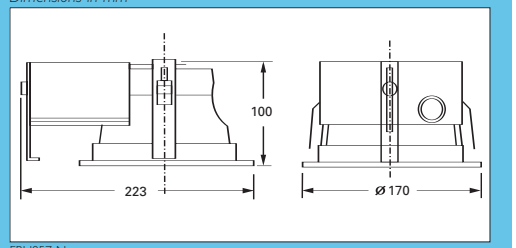
FBH056 FG

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit	Gear	Optical Cover	Comm Code
FBH056 1xPL-C/2P10W I	FBH056	0.78	1	PL-C/2P	10	I	CONV	No	911401153780
FBH056 1xPL-C/2P10W I FG	FBH056	0.78	1	PL-C/2P	10	I	CONV	FG	911401154680
FBS056 1xPL-C/2P10W I	FBS056	0.81	1	PL-C/2P	10	I	CONV	No	911401154080
FBS056 1xPL-C/2P13W I	FBS056	0.81	1	PL-C/2P	13	I	CONV	No	911401154180

FBH057/FBS057

Dimensions in mm



FBH057 No

FBH/S057

Professional miniature recessed downlights with a 170mm diameter. Complete with a highly efficient frosted aluminum reflector, standard white decorative ring and integrated gear box. Suitable for PL-C 10W /13W /18W compact fluorescent lamps. Clear glass option upon request.

Main applications

- Department stores
- Specialized chain stores, supermarkets
- Auditoriums, lobbies, halls
- Restaurants, cafeterias, hotels
- Public buildings, waiting areas, maintenance corridors
- Small offices, conference rooms

Features

- Measuring just 170mm in diameter
- A low height of 100mm is ideal for corridors with tight ceiling spaces
- Adjustable swing out metal clip integrates easily various ceiling systems
- Maintenance is simplified with direct lamp access from below
- Front glass version is available upon request

Materials and finish

- Housing: high-quality sheet metal cold-rolled steel
- Reflector: high-purity aluminum
- Ring: made of steel with powdery finish

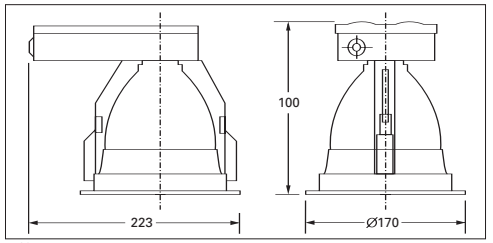
Installation

- Cut-out diameter: 150 - 160 mm
- Ceiling thickness: 1 - 28 mm
- Position the quick-release metal clip according to the thickness of the ceiling boards
- Ceiling thickness: 1 - 28 mm
- Lamp position:
  FBH057 horizontally mounted
  FBS057 vertically mounted

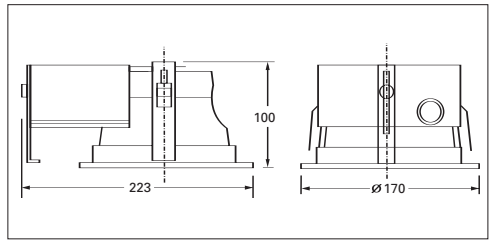
Classifications

- IP 20
- Class I
- Complies with IEC 598

Dimensions in mm



FBS057



FBH057 FG

Preferred selection

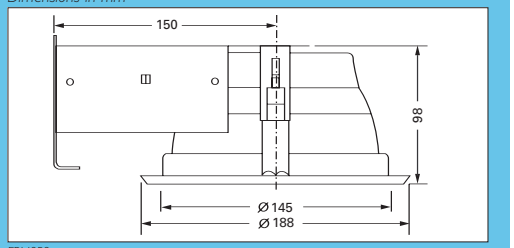
Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit	Gear	Optical Cover	Comm Code
FBH057 1xPL-C/2P13W I	FBH057	0.86	1	PL-C/2P	13	I	CONV	No	911401154280
FBH057 1xPL-C/2P13W I FG	FBH057	0.86	1	PL-C/2P	13	I	CONV	FG	911401153880
FBH057 1xPL-C/2P18W I	FBH057	0.93	1	PL-C/2P	18	I	CONV	No	911401154380
FBH057 1xPL-C/2P18W I FG	FBH057	0.93	1	PL-C/2P	18	I	CONV	FG	911401153980
FBS057 1xPL-C/2P13W I	FBS057	0.85	1	PL-C/2P	13	I	CONV	No	911401154480
FBS057 1xPL-C/2P18W I	FBS057	0.93	1	PL-C/2P	18	I	CONV	No	911401154580

Taipo Complex, Hong Kong

FBH058c

FBS058

Dimensions in mm



FBH058

FBH/S058

Recessed downlight with frosted reflector and polished strip faceted surface for the upper section. Designed for PL-C 10W/13W/18W compact fluorescent lamps. A standard ballast is integrated with the luminaires.

Main applications

- Atriums, corridors and lobbies in buildings
- Mixed use shopping centres, corridors and lobbies
- Department stores - general lighting
- High-end fashion shops and boutiques
- Restaurants, cafeterias and hotels
- Museum displays, public buildings and waiting areas
- Transport buildings eg. airport terminal and interchanges
- Small offices and conference rooms

Features

- A low height of just 100mm is ideal for corridors with tight ceiling spaces
- Adjustable swing out metal clip integrates easily with various ceiling systems
- Maintenance is simplified with direct lamp access from below

Materials and finish

- Steel body with powdery finish. Frosted aluminum

Installation

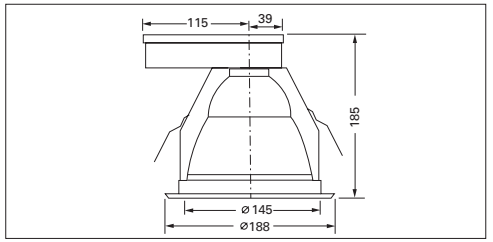
- Cut-out diameter:
  FBH058: 172 - 175 mm
  FBS058: 160 - 175 mm
- Ceiling thickness: 1 - 28 mm
- Method: position the quick release metal clip according to the thickness of the ceiling boards
- Lamp position:
  FBH058 - horizontal mounted.
  FBS058 - vertical mounted.
- Maintenance: direct lamp access from below

Classifications

- IP 20
- Class I
- Complies with IEC 598

IP 20

Dimensions in mm



FBS058

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit	Gear	Comm Code
FBH058 1xPL-C/2P10W I 220V-50Hz CN	FBH058	1.00	1	PL-C/2P	10	I	CONV	91040194468
FBH058 1xPL-C/2P13W I 220V-50Hz CN	FBH058	1.00	1	PL-C/2P	13	I	CONV	91040194478
FBH058 1xPL-C/2P18W I 220V-50Hz CN	FBH058	1.10	1	PL-C/2P	18	I	CONV	91040194488
FBH058 1xPL-C/2P18W I 230V-50Hz	FBH058	1.10	1	PL-C/2P	18	I	CONV	91140030818
FBH058 2xPL-C/2P10W I 220V-50Hz CN	FBH058	1.30	2	PL-C/2P	10	I	CONV	91040194498
FBH058 2xPL-C/2P13W I 220V-50Hz CN	FBH058	1.30	2	PL-C/2P	13	I	CONV	91040194508
FBH058 2xPL-C/2P18W I 220V-50Hz CN	FBH058	1.50	2	PL-C/2P	18	I	CONV	91040194518
FBH058 2xPL-C/2P18W I 230V-50Hz	FBH058	1.50	2	PL-C/2P	18	I	CONV	91140030848
FBS058 1xPL-C/2P13W I 220V-50Hz CN	FBS058	1.00	1	PL-C/2P	13	I	CONV	91040194448
FBS058 1xPL-C/2P18W I 220V-50Hz CN	FBS058	1.10	1	PL-C/2P	18	I	CONV	91040194458

FBH059

FBH059

FBH059

FBH059
Recessed downlight with frosted reflector and polished strip faceted surface for the upper section. Designed for PL-C 18W/26W compact fluorescent lamps. A standard ballast is integrated with the luminaires.

Main applications
- Atriums, corridors and lobbies in buildings
- Mixed use shopping centers, corridors and lobbies
- Department stores - general lighting
- High-end fashion shops and boutiques
- Restaurants, cafeterias and hotels
- Museum displays, public buildings and waiting areas
- Transport buildings e.g. airport terminals and interchanges
- Small offices and conference rooms

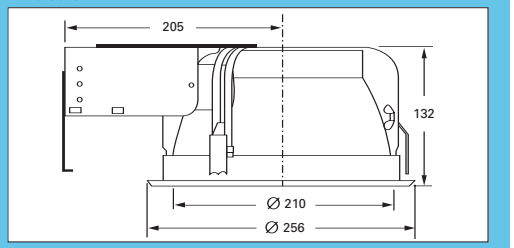
Features
- A low height of 132mm is ideal for corridors with tight ceiling spaces
- Adjustable swing out metal clip integrates easily with various ceiling systems
- Maintenance is simplified with direct lamp access

Materials and finish
- Steel body with powdery finish. Frosted aluminum

Installation
- Cut-out diameter: 230 - 245 mm
- Ceiling thickness: 1 - 28 mm
- Method: position the quick release metal clip according to the thickness of the ceiling boards
- Lamp position: horizontally mounted
- Maintenance: direct lamp access from below

Classifications
- IP 20
- Class I
- Complies with IEC 598

Dimensions in mm

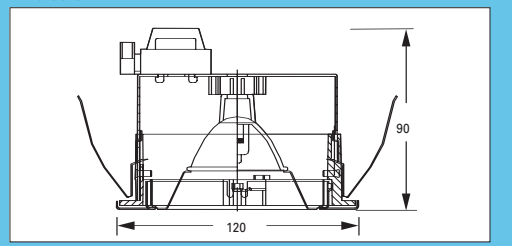


Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit	Gear	Comm Code
FBH059 2xPL-C/2P18W I 220V-50Hz CN	FBH059	2.00	2	PL-C/2P	18	I	CONV	910401945280
FBH059 2xPL-C/2P18W I 230V-50Hz	FBH059	2.00	2	PL-C/2P	18	I	CONV	911400308580
FBH059 2xPL-C/2P26W I 220V-50Hz CN	FBH059	2.40	2	PL-C/2P	26	I	CONV	910401945380
FBH059 2xPL-C/2P26W I 230V-50Hz	FBH059	2.40	2	PL-C/2P	26	I	CONV	911400308680

QBS105 DESIGN-1

Dimensions in mm



QBS105

Standard professional recessed extra-low voltage downlights for dichroic halogen lamps.

Main applications

- Representative offices
- Conference rooms
- Small offices
- General open plan offices
- Recreation areas (sport halls, restaurants, cafeterias)
- Department stores, fashion shops
- Small independent food/non-foodshops
- High-end fashion shops, boutiques

Features

- Premium die cast aluminum body not only gives a very light weight but also improves heat ventilation to reduce dust on ceiling boards
- Interchangeable optic attachments can meet most lighting requirements. There is no need to change the entire luminaire, only different attachments has to be changed
- The specially designed fixed clips allows for adjustments to suit different ceiling board thickness ranging from 1 to 32 mm
- Specially designed aluminum lamp holder sinker to diverge the temperature of lamp away from the lamp base for a longer life
- The decorative ring are available in different colors to meet various interior design requirements

Materials and finish

- Aluminum casting body, steel painted decorative ring and attachment.
- Design of reflector:
  01 - white painted (fixed)
  02 - satin silver (fixed)
  03 - polished silver (fixed)
  04 - black anti-glare louver (fixed)
  05 - pin spot (fixed)
  06 - slit (adjustable; vert = 30°, horz = 360° rot.)
  07 - eyeball (adjustable; vert = 25°, horz = 360° rot.)

Installation

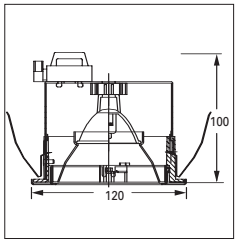
- Cut-out diameter: 105 - 110 mm
- Thickness of ceiling: 1 - 32 mm
- Method: position the spring fastener according to thickness of the false ceiling
- Safety distance: 0.5m
- Maintenance: direct lamp access by removing the front cap

Classifications

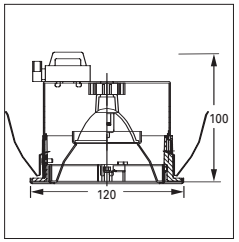
- IP 20
- Class I
- Complies with IEC 598

Dimensions in mm

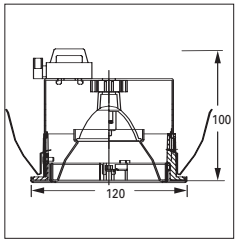
QBS105 DESIGN-2



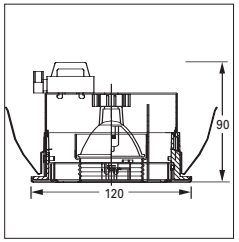
QBS105 DESIGN-3



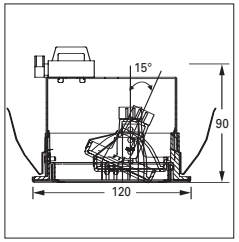
QBS105 DESIGN-4



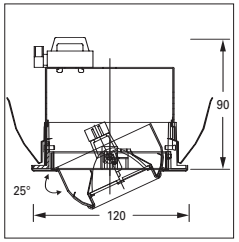
QBS105 DESIGN-5



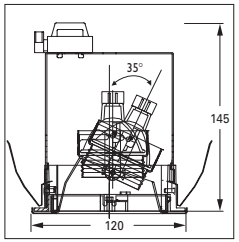
QBS105 DESIGN-6



QBS105 DESIGN-7



QBS105 DESIGN-8



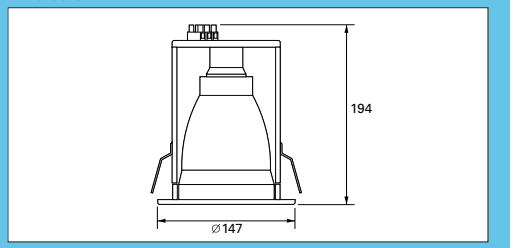
Preferred selection

Product ID	Product Family Code	Weight (kg)	Comm Code
QBS105 DESIGN-1	QBS105	0.35	910401680080
QBS105 DESIGN-2	QBS105	0.35	910401680180
QBS105 DESIGN-3	QBS105	0.35	910401680280
QBS105 DESIGN-4	QBS105	0.35	910401680380
QBS105 DESIGN-5	QBS105	0.35	910401680480
QBS105 DESIGN-6	QBS105	0.35	910401680580
QBS105 DESIGN-7	QBS105	0.35	910401680680
QBS105 DESIGN-8	QBS105	0.35	910401680780

Theta FBS110

FBS110 Theta

Dimensions in mm



Theta FBS110

This downlight consists of a specular diamond faceted reflector for a wider and efficient beam and a special sandblasted louver for glare-free visual comfort, it specially has a new class I three-way connector and sleeving to prevent electrical shocks.Suitable for a wide range of retrofit energy saving lamps.

Main applications

- Household
- Condominium
- Shop
- Hotel
- Restaurant
- Office
- Hospital

Features

- Specular diamond faceted reflector for a wider & efficient beam
- Special sandblasted louver for glare-free visual comfort
- New class I three-way connector & sleeving to prevent electrical shocks
- New self-adjusting mounting clips for easy installation
- Suitable for wide range of retrofit energy saving lamps – 5W to 18W CFLs, (& also 60W GLS)

Technical description

- Power supply: 220~240V
- Number of lamps: 1
- Lamp power: ES 18W Max; GLS Max.60W
- Line frequency: 50/60Hz
- Lampholder: E27

Materials and finish

- Steel with white painting, aluminium reflector

Installation

- One option available: recessed mounting.
- Please turn off the supply power if the product is not in use for a long time.

Suitable lamp types

- Suitable for Max. GLS 60W; Max. ES 18W.

Classifications

- IP 20
- Class I

IP 20

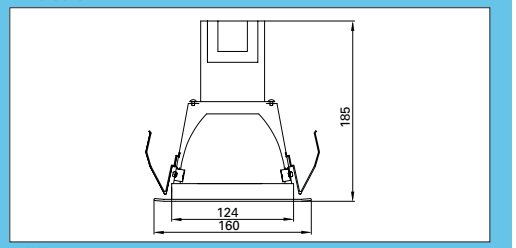
Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Comm Code
FBS110 MAX18W-E27 220-240V	FBS110	17.8	1	CFL-I	Max.18W	911401154780
FBS110 MAX18W-E27 220-240V TH	FBS110	17.5	1	CFL-I	Max.18W	911401141480

Stadel Hotel, India

FBS120 VER

Dimensions in mm



FBS120 VER

Lunar FBS120

Based on economicaland versatile construction, Lunar is a downlight commodity that can enhance visual comfort dramatically thanks to its polycarbonate anti-glare louver. Sepecial attention should paid to its post anodised facteted aluminum reflector and flame retardant EP lampholder housing with ventilation fins. The prodcut also available in low height horizontal mounted version for wider beam

Main applications

- Household
- Condominium
- Shop
- Hotel
- Restaurant
- Office
- Hospital

Features

- Economical versatile construction for Retrofit lamps
- Polycarbonate Anti-glare louver ring to enhance visual comfort
- Post anodised faceted aluminum reflector in glossy / mat finish for increased efficiency
- Flame retardant EP lampholder housing with ventilation fins
- Ceramic Lamp-holder
- Double insulation for Class II protection
- Adjustable installation clip & lamp replacement assembly enables usage for wide variety of ceiling thicknesses and lamp configurations
- Available in low height horizontal mounted version for wider beam

Technical description

- Power supply: 220~240V
- Number of lamps: 1
- Lamp power: Max. PLEU 11W
- Line frequency: 50/60Hz
- Lampholder: E27

Materials and finish

- PC white ring, die-casted aluminium reflector

Installation

- One option available:recessed mounting.
- Please turn off the supply power if the product is not in use for a long time.

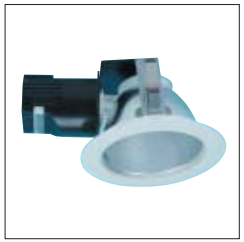
Suitable lamp types

- Suitable for Max. PLEU 11W.

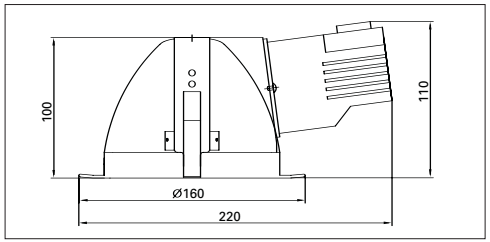
Classifications

- IP 20
- Class I

IP 20



FBS120 HOR



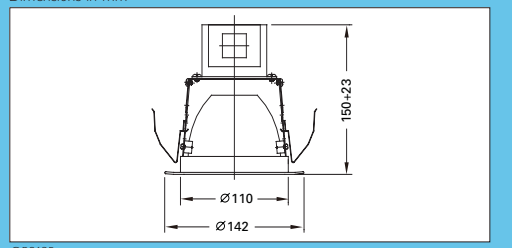
FBS120 HOR

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Comm Code
FBS120 MAX11W-E27 220-240V HOR CN	FBS120	0.7	1	CFL-I	Max.11W	824106112877
FBS120 MAX11W-E27 220-240V VER CN	FBS120	0.5	1	CFL-I	Max.11W	824106112977

QBS135

Dimensions in mm



QBS135

Lunar extension QBS120

The combination of polycarbonate anti-glare baffle ring and post anodised faceted aluminium reflector open doors to new design possibilities. Lunar Extension is based on an economical and versatile construction for retrofit lamps. It has a ceramic lampholder and is available in low height horizontal mounted versions for a wider beam.

Main applications

- Households
- Condominiums
- Shops
- Hotels
- Restaurants
- Offices
- Hospitals

Features

- Economical versatile construction for retrofit lamps
- Polycarbonate anti-glare baffle ring to enhance visual comfort
- Post anodised faceted aluminium reflector in glossy or matt finish for increased efficiency
- Flame retardant EP lampholder housing with ventilation fins
- Ceramic lampholder
- Double insulation for Class II protection
- Adjustable installation clip & lamp replacement assembly enables usage for a wide variety of ceiling thickness and lamp configurations
- Available in low height horizontal mounted versions for a wider beam

Technical description

- Power supply: 220~240V
- Number of lamps: 1
- Lamp power: Max. GLS60W
- Line frequency: 50/60Hz
- Lampholder: E27
- Suitable for max. GLS 60W lamps

Materials and finish

- PC white ring, aluminium reflector.

Installation

- One option available: recessed mounting. Please turn off the power supply if the product is not in use for a long time.

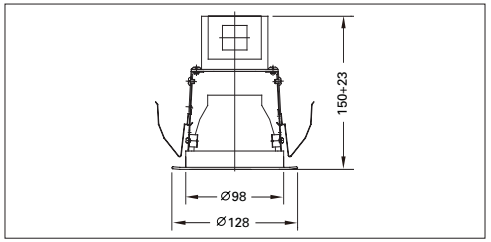
Classifications

- IP 20
- Class I

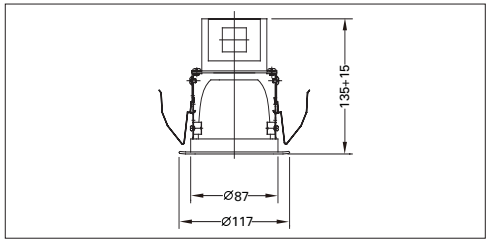
IP 20

QBS125

QBS130



QBS130



QBS125

Preferred selection

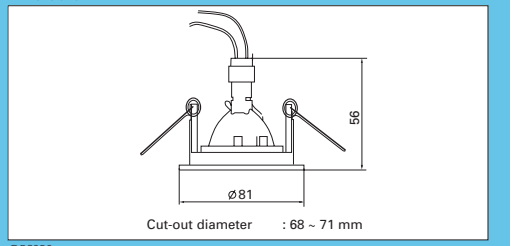
Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Comm Code
QBS125 MAX25W-E27 220-240V CN	QBS120	4.2	1	GLS	Max. 25W	910401941080
QBS130 MAX40W-E27 220-240V CN	QBS120	4.4	1	GLS	Max. 40W	910401940980
QBS135 MAX40W-E27 220-240V CN	QBS120	4.8	1	GLS	Max. 40W	910401940880

Nova QBS050

Nova QBS050

QBS050

Dimensions in mm



QBS050

Nova QBS050

Nova is a downlight based on a compact and sturdy construction. Its housing is fully made of high pressure die-casting aluminium and zamak. The unit has a straight downward beam and is available for fixed mounting. Installation and lamp repalement can easily be operated. Available with a choice of ring and face colors.

Main applications

Suitable for accent lighting in:

- Galleries
- Homes
- Restaurants
- Corridors
- Public areas
- Hotels
- Shops
- Conference rooms

Features

- Compact & sturdy construction
- Housing fully made of high pressure die-casting aluminium and zamak
- Twist & pull face plate for easy lamp access
- Available for fixed mounting
- Straight downward beams
- Easy installation & lamp replacement
- Available in trendy white, black, silver or gold face rings
- Available for adjustable functions

Technical description

- Power supply: 12V
- Number of lamps: 1
- Lamp power: Max. 50W
- Line frequency: 50Hz
- Lampholder: GX5.3/GY6.35
- Suitable for 12V Dichroic lamp 50W max

Materials and finish

- Die-casted aluminium.

Installation

- One option avaiable: recessed mounting. Please turn off the power supply if the product is not in use for a long time.

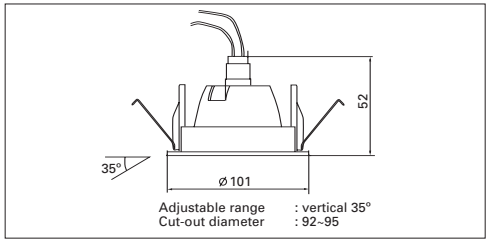
Classifications

- IP 20
- Class III

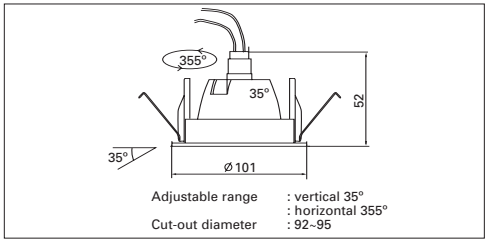
QBS051

QBS052

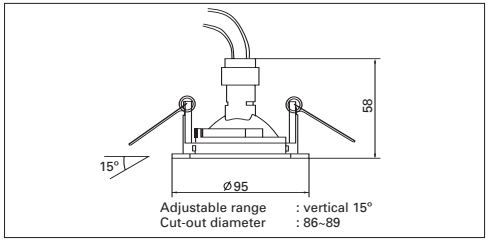
QBS058



QBS051



QBS052



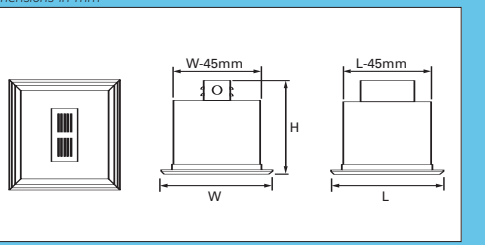
QBS058

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Comm Code
QBS052 MAX50W-GX5.3 12V BK IN	QBS050	7.5	1	12V Dichroic lamp	Max.50W	911400802880
QBS058 MAX50W-GX5.3 12V WH IN	QBS050	6.5	1	12V Dichroic lamp	Max.50W	911400802980
QBS051 MAX50W-GX5.3 12V SI IN	QBS050	11.5	1	12V Dichroic lamp	Max.50W	911400803080
QBS050 MAX50W-GX5.3 12V SI IN	QBS050	3.25	1	12V Dichroic lamp	Max.50W	911400803180
QBS050 MAX50W-GX5.3 12V WH IN	QBS050	3.25	1	12V Dichroic lamp	Max.50W	911400803280
QBS050 MAX50W-GX5.3 12V GO IN	QBS050	5.75	1	12V Dichroic lamp	Max.50W	911400803380
QBS050 MAX50W-GX5.3 12V BK IN	QBS050	3.25	1	12V Dichroic lamp	Max.50W	911400803480
QBS051 MAX50W-GX5.3 12V WH IN	QBS050	6.5	1	12V Dichroic lamp	Max.50W	911400803580
QBS051 MAX50W-GX5.3 12V GO IN	QBS050	11.5	1	12V Dichroic lamp	Max.50W	911400803680
QBS051 MAX50W-GX5.3 12V BK IN	QBS050	6.5	1	12V Dichroic lamp	Max.50W	911400803780
QBS052 MAX50W-GX5.3 12V SI IN	QBS050	13	1	12V Dichroic lamp	Max.50W	911400803880
QBS052 MAX50W-GX5.3 12V WH IN	QBS050	7.5	1	12V Dichroic lamp	Max.50W	911400803980
QBS052 MAX50W-GX5.3 12V GO IN	QBS050	13	1	12V Dichroic lamp	Max.50W	911400804080

MBX500c

Dimensions in mm



Type		L	W	H
QBX 500	1x	204	204	150
QBX 500	2x	346	204	150
QBX 500	3x	448	204	150
QBX 500	4x (line)	630	204	150
QBX 500	4x (square)	356	356	150
MBX 500	1x	204	204	190
MBX 500	2x	346	204	190
MBX 500	3x	448	204	190
MBX 500	4x (line)	630	204	190
MBX 500	4x (square)	356	356	190

Scrabble M/QBX500

High quality adjustable recessed multi-lamp downlights for compact discharge and halogen lamps; housed in white or silver frames. Its cardanic orientation system allows a beam orientation of 40° minimum in all directions. Optics offer a choice of narrow and medium beams with good visual comfort. Frames fit 1, 2, 3 or 4 lamps in 600 x 600 tiles to safeguard the ceiling structure.

Main applications

- Small independent food/nonfood shops
- Hyper-supermarkets, discount stores, DIY stores
- High-end fashion shops, boutiques
- Department stores, fashion shops
- Museums and art galleries

Features

- Compact and modular design
- Suitable for the different ceiling types, excellent visual effect and the perfect solution for modern shop concepts
- Unique cardanic orientation system, ensures high lighting efficiency and good lighting uniformity
- Stainless clips, tool free for maintenance, removable gear tray, ensures safe installation and easy lamp replacement
- Combined lamp options on request, to create special lighting effects and optimize merchandise with a combination of optic resources

Materials and finish

- Colors: all types available in white (WH, RAL9016) or silver (SI)
- Material: aluminum and steel
- Orientation: cardanic swivel device 2 x 40°

Downlights

Scrabble M/QBX500

Installation

- Ceiling cut-out (mm):
  MBX
  1 lamp: 206 x 206
  2 lamps: 396 x 206
  3 lamps: 584 x 206
  QBX:
  1 lamp: 166 x 166
  2 lamps: 308 x 166
  3 lamps: 450 x 166
  4 lamps (line): 592 x 166
  4 lamps (square): 318 x 318
- Thickness of false ceiling: 5-24mm
- Safety suspension points for chain, cable or threaded rod
- Safety distance: 0.8 m
- Maintenance: remove front face to replace CDM-T, CDM-R111 and HAL-R111 lamps; unscrew CDM-R lamps

Classifications

- IP 20
- Class I for CDM lamp
- Class III for HAL-R111
- Complies with IEC 598

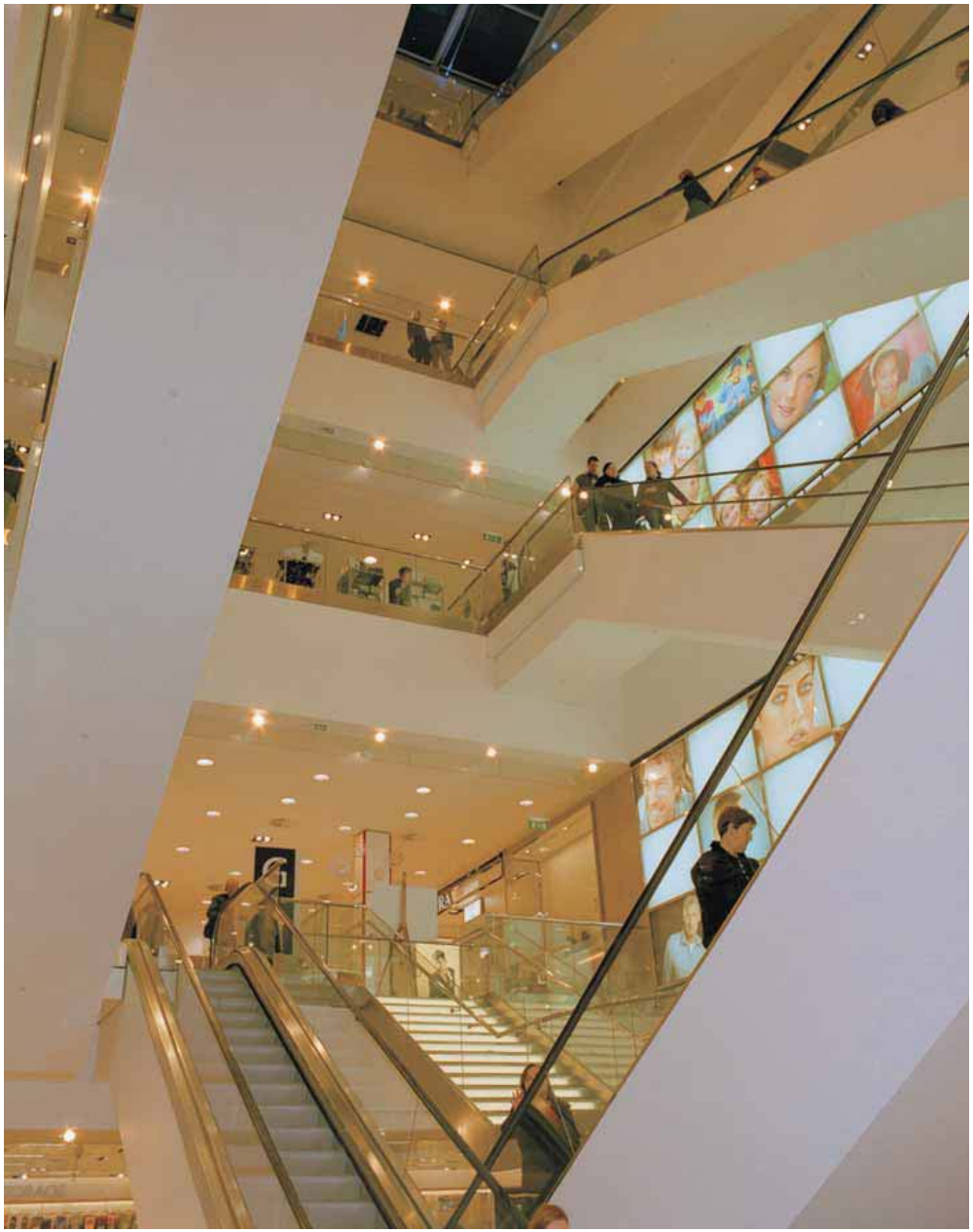
Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit Code	Gear	Color	Comm Code
MBX500 C 1xCDM-R111-35W EB 24-36 SI	MBX500	1.70	1	CDM-R111	35	No	EB	SI	911401140880
MBX500 C 1xCDM-R111-35W EB 24-36 WH	MBX500	1.70	1	CDM-R111	35	No	EB	WH	911401140380
MBX500 C 1xCDM-R30-35W IC 24-36 SI	MBX500	3.20	1	CDM-R30	35	IC	CONV	SI	910401687980
MBX500 C 1xCDM-R30-35W IC 24-36 WH	MBX500	3.20	1	CDM-R30	35	IC	CONV	WH	910401687180
MBX500 C 1xCDM-R30-70W IC 24-36 SI	MBX500	3.20	1	CDM-R30	70	IC	CONV	SI	910401687680
MBX500 C 1xCDM-R30-70W IC 24-36 WH	MBX500	3.20	1	CDM-R30	70	IC	CONV	WH	910401686880
MBX500 C 1xCDM-T35W IC 12-24 SI	MBX500	3.20	1	CDM-T	35	IC	CONV	SI	910401689280
MBX500 C 1xCDM-T35W IC 12-24 WH	MBX500	3.20	1	CDM-T	35	IC	CONV	WH	910401689780
MBX500 C 1xCDM-T35W IC 24-36 SI	MBX500	3.20	1	CDM-T	35	IC	CONV	SI	910401688580
MBX500 C 1xCDM-T35W IC 24-36 WH	MBX500	3.20	1	CDM-T	35	IC	CONV	WH	910401688980
MBX500 C 1xCDM-T70W IC 12-24 SI	MBX500	3.20	1	CDM-T	70	IC	CONV	SI	911401140080
MBX500 C 1xCDM-T70W IC 12-24 WH	MBX500	3.20	1	CDM-T	70	IC	CONV	WH	910401689180
MBX500 C 1xCDM-T70W IC 24-36 SI	MBX500	3.20	1	CDM-T	70	IC	CONV	SI	910401688280
MBX500 C 1xCDM-T70W IC 24-36 WH	MBX500	3.20	1	CDM-T	70	IC	CONV	WH	910401688880
MBX500 C 2xCDM-R111-35W EB 24-36 SI	MBX500	3.40	2	CDM-R111	35	No	EB	SI	911401140980
MBX500 C 2xCDM-R111-35W EB 24-36 WH	MBX500	3.40	2	CDM-R111	35	No	EB	WH	911401140480
MBX500 C 2xCDM-R30-35W IC 24-36 SI	MBX500	6.00	2	CDM-R30	35	IC	CONV	SI	910401688080
MBX500 C 2xCDM-R30-35W IC 24-36 WH	MBX500	6.00	2	CDM-R30	35	IC	CONV	WH	910401687280
MBX500 C 2xCDM-R30-70W IC 24-36 SI	MBX500	6.00	2	CDM-R30	70	IC	CONV	SI	910401687780
MBX500 C 2xCDM-R30-70W IC 24-36 WH	MBX500	6.00	2	CDM-R30	70	IC	CONV	WH	910401686980
MBX500 C 2xCDM-T35W IC 12-24 SI	MBX500	6.00	2	CDM-T	35	IC	CONV	SI	910401689380
MBX500 C 2xCDM-T35W IC 12-24 WH	MBX500	6.00	2	CDM-T	35	IC	CONV	WH	910401689880
MBX500 C 2xCDM-T35W IC 24-36 SI	MBX500	6.00	2	CDM-T	35	IC	CONV	SI	910401688680
MBX500 C 2xCDM-T35W IC 24-36 WH	MBX500	6.00	2	CDM-T	35	IC	CONV	WH	910401689080
MBX500 C 2xCDM-T70W IC 12-24 SI	MBX500	6.00	2	CDM-T	70	IC	CONV	SI	911401140180
MBX500 C 2xCDM-T70W IC 12-24 WH	MBX500	6.00	2	CDM-T	70	IC	CONV	WH	910401689580
MBX500 C 2xCDM-T70W IC 24-36 SI	MBX500	6.00	2	CDM-T	70	IC	CONV	SI	910401688380
MBX500 C 2xCDM-T70W IC 24-36 WH	MBX500	5.20	2	CDM-T	70	IC	CONV	WH	910401686280
MBX500 C 3xCDM-R111-35W EB 24-36 SI	MBX500	5.10	3	CDM-R111	35	No	EB	SI	911401141080
MBX500 C 3xCDM-R111-35W EB 24-36 WH	MBX500	5.10	3	CDM-R111	35	No	EB	WH	911401140580
MBX500 C 3xCDM-R30-35W IC 24-36 SI	MBX500	9.00	3	CDM-R30	35	IC	CONV	SI	910401688180
MBX500 C 3xCDM-R30-35W IC 24-36 WH	MBX500	9.00	3	CDM-R30	35	IC	CONV	WH	910401687380
MBX500 C 3xCDM-R30-70W IC 24-36 SI	MBX500	9.00	3	CDM-R30	70	IC	CONV	SI	910401687880
MBX500 C 3xCDM-R30-70W IC 24-36 WH	MBX500	9.00	3	CDM-R30	70	IC	CONV	WH	910401687080
MBX500 C 3xCDM-T35W IC 12-24 SI	MBX500	9.00	3	CDM-T	35	IC	CONV	SI	910401689480
MBX500 C 3xCDM-T35W IC 12-24 WH	MBX500	9.00	3	CDM-T	35	IC	CONV	WH	910401689980
MBX500 C 3xCDM-T35W IC 24-36 SI	MBX500	9.00	3	CDM-T	35	IC	CONV	SI	910401688780
MBX500 C 3xCDM-T35W IC 24-36 WH	MBX500	9.00	3	CDM-T	35	IC	CONV	WH	910401687580
MBX500 C 3xCDM-T70W IC 12-24 SI	MBX500	9.00	3	CDM-T	70	IC	CONV	SI	911401140280
MBX500 C 3xCDM-T70W IC 12-24 WH	MBX500	9.00	3	CDM-T	70	IC	CONV	WH	910401689680
MBX500 C 3xCDM-T70W IC 24-36 SI	MBX500	9.00	3	CDM-T	70	IC	CONV	SI	910401688480

Downlights

Scrabble M/QBX500

Preferred selection

Product ID	Product Family Code	Weight (kg)	Number of Lamps [pcs]	Lamp Family Code	Rated Lamp Power [W]	Compensation Circuit Code	Gear	Color	Comm Code
MBX500 C 3xCDM-T70W IC 24-36 WH	MBX500	9.00	3	CDM-T	70	IC	CONV	WH	910401687480
MBX500 C 4xCDM-R111-35W EB 24-36 SI	MBX500	6.80	4	CDM-R111	35	No	EB	SI	911401141280
MBX500 C 4xCDM-R111-35W EB 24-36 WH	MBX500	6.80	4	CDM-R111	35	No	EB	WH	911401140680
MBX502 C 4xCDM-R111-35W EB 24-36 SI	MBX502	6.80	4	CDM-R111	35	No	EB	SI	911401141380
MBX502 C 4xCDM-R111-35W EB 24-36 WH	MBX502	6.80	4	CDM-R111	35	No	EB	WH	911401140780
QBX500 C 1xHAL-R111-50W EB 24-36 SI	QBX500	1.20	1	HAL-R111	50	No	EB	SI	910401686380
QBX500 C 1xHAL-R111-50W EB 24-36 WH	QBX500	1.20	1	HAL-R111	50	No	EB	WH	910401685780
QBX500 C 2xHAL-R111-50W EB 24-36 SI	QBX500	2.40	2	HAL-R111	50	No	EB	SI	910401686480
QBX500 C 2xHAL-R111-50W EB 24-36 WH	QBX500	2.40	2	HAL-R111	50	No	EB	WH	910401685880
QBX500 C 3xHAL-R111-50W EB 24-36 SI	QBX500	3.60	3	HAL-R111	50	No	EB	SI	910401686580
QBX500 C 3xHAL-R111-50W EB 24-36 WH	QBX500	3.60	3	HAL-R111	50	No	EB	WH	910401685980
QBX500 C 4xHAL-R111-50W EB 24-36 SI	QBX500	4.80	4	HAL-R111	50	No	EB	SI	910401686680
QBX500 C 4xHAL-R111-50W EB 24-36 WH	QBX500	4.80	4	HAL-R111	50	No	EB	WH	910401686080
QBX502 C 4xHAL-R111-50W EB 24-36 SI	QBX502	4.80	4	HAL-R111	50	No	EB	SI	910401686780
QBX502 C 4xHAL-R111-50W EB 24-36 WH	QBX502	4.80	4	HAL-R111	50	No	EB	WH	910401686180

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WH=White