

MEGAMAN® CARLO and CARLO Mini



MEGAMAN® CARLO is a range of recessed adjustable LED downlights that offer excellent lighting performance, and can be used to replace up to 50W metal halide fittings. Adjustable up to 45° tilting angle and 355° rotation angle, MEGAMAN® CARLO is an ultra-flexible energy saving solution for shop lighting.

Working with the TECOH® RDx LED module, MEGAMAN® CARLO delivers even light distribution which illuminates the retail space without the shortcomings of equivalent metal halide solutions. MEGAMAN® CARLO can work with the TECOH® MHx LED module to accentuate merchandising displays with low glare to ensure visual comfort.

MEGAMAN® CARLO is available with Perfect White, a new technology that intensifies and brightens the white in objects it illuminates. Especially recommended for retail lighting, Perfect White also enhances general commercial lighting applications.

MEGAMAN® CARLO is also available in a mini version which is more compact in size and ideal as a 20W or 35W metal halide replacement.

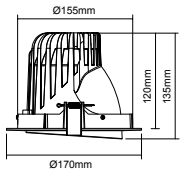
Features

- Offers excellent lighting performance of up to 3800lm
- Offers good cut-off angle of up to 40° to ensure visual comfort
- Ultra flexible with 45° tilting angle and 355° rotation angle
- Perfect White options available – a new technology that intensifies and brings whites to life
- High CRI version: Ra94 available
- More compact version available for 20W and 35W metal halide replacement
- Capable of linear dimming when working with a DALI, DSI or 1-10V dimming driver
- External driver required

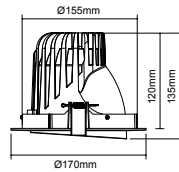
Applications

- Shops and boutiques
- Galleries and museums
- Department stores
- Exhibition booths
- Commercial buildings

F28249RC



F28249RC-p

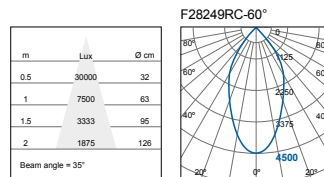
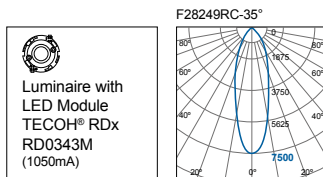


NEW



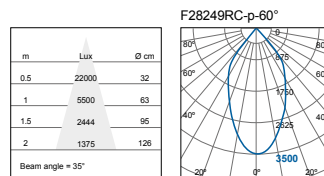
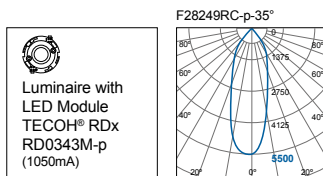
Model No.	Input Current (mA)	Nominal Voltage	Wattage [^] (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Cut-Out (mm)	Max. Luminous Intensity (cd) [Beam Angle]	Colour Temp. [CRI]	Rated Life (hrs)	Dimmable	Light Source	Materials	Suggested Driver	Weight (g)
F28249RC	1050	DC31-37V	35	3600 [3000K] 3800 [4000K]	103 [3000K] 109 [4000K]	Ø170 x H135	Ø155	7500 [35°] 4500 [60°]	3000K [Ra82] 4000K [Ra82]	50000	Dimmable [#]	TECOH® RDx RD0343M with input current 1050mA	Metal housing	LD0436x1-C1050	1065
F28249RC-p*	700	DC40-46V	31	2400 [3000K]	77 [3000K]	Ø170 x H135	Ø155	5500 [35°] 3500 [60°]	3000K [Ra82]	50000	Dimmable [#]	TECOH® RDx RD0555M-p with input current 700mA	Metal housing	LA11053	1065

NEW



Working with TECOH® RDx LED Module

Please refer to page 150 for more information on TECOH® RDx



Different reflectors options available



LA3107
35° Reflector

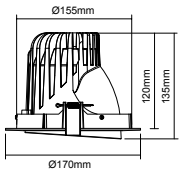


LA3108
60° Reflector

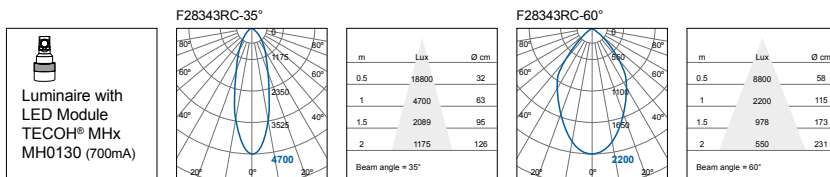
* Preliminary data
[#] Capable of linear dimming when working with DALI, DSI or 1-10V dimming driver, and the dimming performance depends on the specification of driver. Please contact us for details.
[^] The wattage declared is the wattage of the luminaire without driver, the system wattage will be dependent on driver choice.

MEGAMAN® CARLO

F28343RC



Model No.	Wattage [^] (W)	Dimension (mm)	Cut-Out (mm)	Light Source	Materials	Weight (g)
F28343RC	28	Ø170 x H135	Ø155	TECOH® MHx MH0130 with input current 700mA	Metal housing	905



Specification of MEGAMAN® LED module TECOH® MHx

Model No.	Input Current (mA)	Nominal Voltage (V)	Wattage (W)	Luminous Flux at Ta 25°C (lm)	Luminous Efficacy at Ta 25°C (lm/W)	Luminous Flux at Tc 75°C (lm)	Luminous Efficacy at Tc 75°C (lm/W)	Colour Temp. [CRI]	Rated Life (hrs)	Dimmable	Suggested LED Converter	Energy Label
MH0130	700	DC36V	24	3200 [3000K] 3500 [4000K]	133 [3000K] 146 [4000K]	2700 [3000K] 3000 [4000K]	113 [3000K] 125 [4000K]	3000K [Ra82] 4000K [Ra85]	50000	100-1% [#]	LD0424x1v-C700 / LD0424x1-C700	A+



Working with TECOH® MHx LED Module

Please refer to page 150 for more information on TECOH® MHx

Different reflectors options available



LA3109
35° Reflector



LA3110
60° Reflector

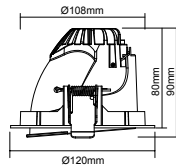
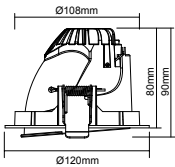
[#] Capable of linear dimming when working with DALI, DSI or 1-10V dimming driver, and the dimming performance depends on the specification of driver. Please contact us for details.
[^] The wattage declared is the wattage of the luminaire without driver; the system wattage will be dependent on driver choice.

MEGAMAN® CARLO Mini

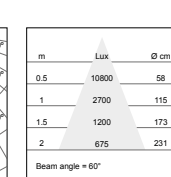
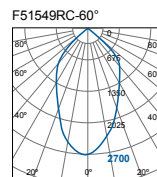
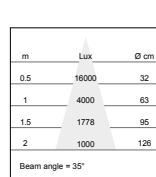
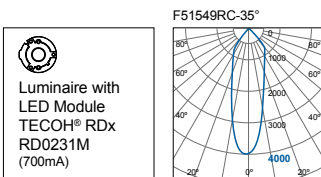
F51549RC



F51549RC-p



Model No.	Input Current (mA)	Nominal Voltage	Wattage ^A (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Cut-Out (mm)	Max. Luminous Intensity (cd) [Beam Angle]	Colour Temp. [CRI]	Rated Life (hrs)	Dimmable	Light Source	Materials	Suggested Driver	Weight (g)
NEW F51549RC	700	DC35-38.5V	25	2200 [3000K] 2400 [4000K]	88 [3000K] 96 [4000K]	Ø120 x H90	Ø108	4000 [35°] 2700 [60°]	3000K / 4000K [Ra82]	50000	Dimmable [#]	TECOH® RDx RD0231M with input current 700mA	Metal housing	LD0425x1-C700	431
NEW F51549RC-p*	700	DC33-39V	25	1800 [3000K]	72 [3000K]	Ø120 x H90	Ø108	3200 [35°] 2100 [60°]	3000K [Ra82]	50000	Dimmable [#]	TECOH® RDx RD0231M-p with input current 700mA	Metal housing	LD0425x1-C700	431



**Working with
TECOH® RDx
LED Module**

Please refer to page 150 for more information on TECOH® RDx

Different reflectors options available



LA3111
35° Reflector

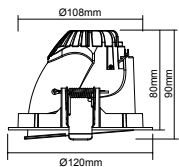


LA3112
60° Reflector

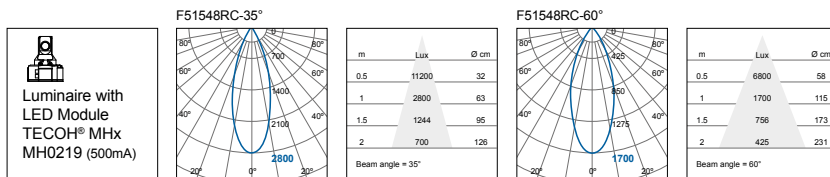
* Preliminary data
[#] Capable of linear dimming when working with DALI, DSI or 1-10V dimming driver, and the dimming performance depends on the specification of driver. Please contact us for details.
^A The wattage declared is the wattage of the luminaire without driver; the system wattage will be dependent on driver choice.

MEGAMAN® CARLO Mini

F51548RC



Model No.	Wattage [^] (W)	Dimension (mm)	Cut-Out (mm)	Light Source	Materials	Weight (g)
F51548RC	19	Ø120 x H90	Ø108	TECOH® MHx MH0219 with input current 500mA	Metal housing	431



Specification of MEGAMAN® LED module TECOH® MHx

Model No.	Input Current (mA)	Nominal Voltage (V)	Wattage (W)	Luminous Flux at Ta 25°C (lm)	Luminous Efficacy at Ta 25°C (lm/W)	Luminous Flux at Tc 75°C (lm)	Luminous Efficacy at Tc 75°C (lm/W)	Colour Temp. (CRI)	Rated Life (hrs)	Dimmable	Suggested LED Converter	Energy Label
MH0219	500	DC34V	17	2000 [3000K] 2200 [4000K]	118 [3000K] 129 [4000K]	1700 [3000K] 1900 [4000K]	100 [3000K] 112 [4000K]	3000K [Ra82] 4000K [Ra85]	50000	100-1% [#]	LD0217x1v-C500 / LD0217x1-C500	A+



Working with TECOH® MHx LED Module

Please refer to page 150 for more information on TECOH® MHx

Different reflectors options available



LA3113
35° Reflector

LA3114
60° Reflector

[#] Capable of linear dimming when working with DALI, DSI or 1-10V dimming driver, and the dimming performance depends on the specification of driver. Please contact us for details.
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