

LED Light Source

Product Guide 2017



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Smart Lighting



INGENIUM® BLU is a brand new series of LED lamps which use Bluetooth technology to connect to and control lighting fixtures in homes and commercial spaces. With the INGENIUM® BLU solution's integrated Bluetooth technology you can enjoy the benefits of smart lighting with instant and easy set-up.

Simple and Affordable

INGENIUM® BLU is the most economical way to get started with a smart lighting solution.



Easy Installation

Can be set up without wiring, making it accessible and cost-effective for everyone



Mobile Control

Control the latest MEGAMAN® LED via a smart devices



Scene Setting

Set lighting routines that fit your lifestyle



Energy-savings

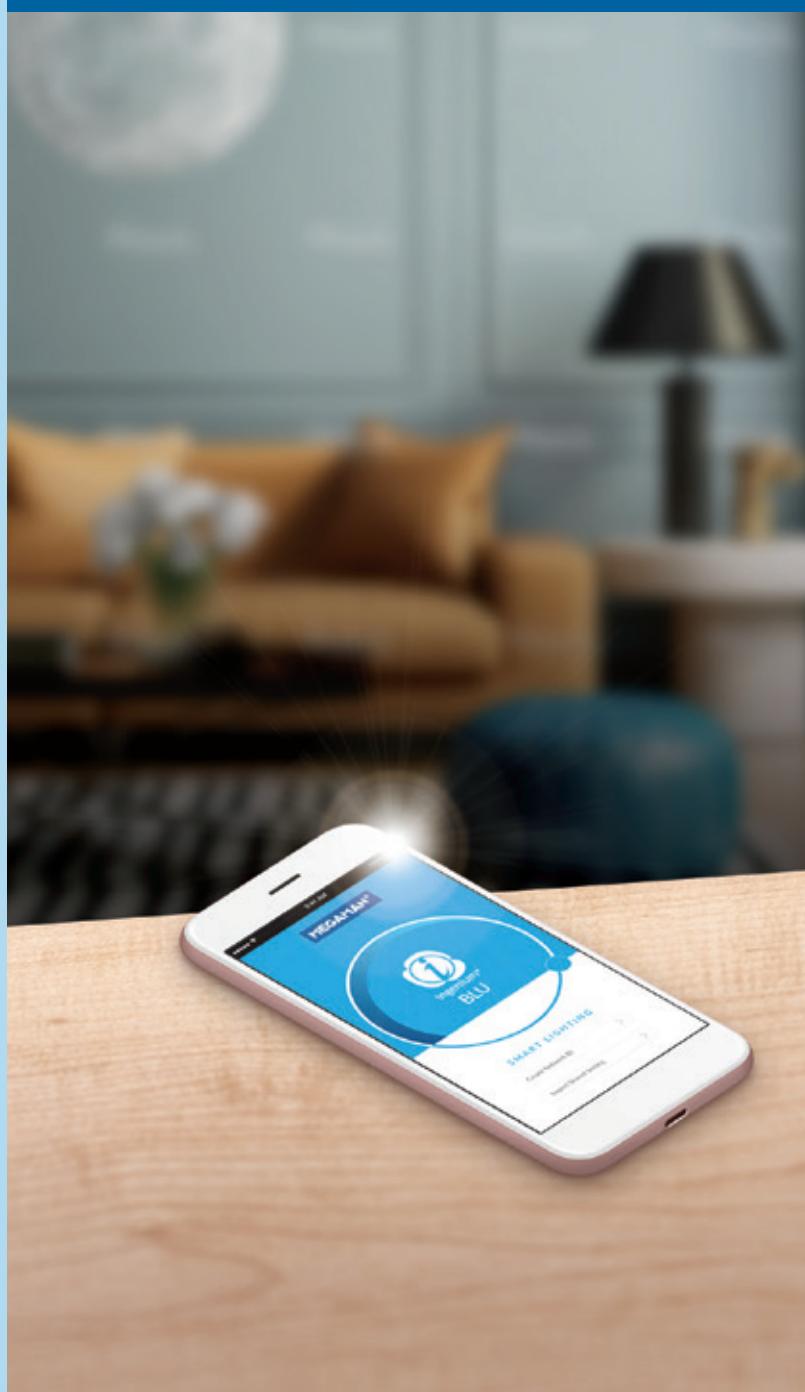
High energy savings when dimming function is used



LG7809dBT2



TH0308dBT2



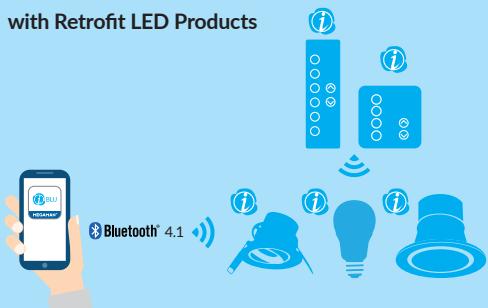
INGENIUM® BLU

INGENIUM® BLU applies Bluetooth 4.1 technology and uses a mesh network topology – a key network architecture that extends the coverage area several times wider than before and allows for the control of substantially more lamps or devices – all while using less of your smart device's battery power. Giving users simultaneous control of up

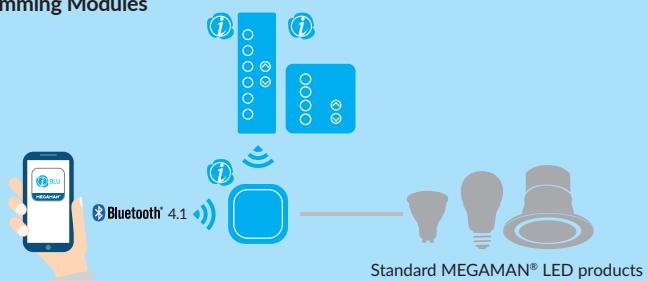
to 8 times more lamps or devices (64) than with its first generation products, the upgraded INGENIUM® BLU system also boasts improved dimming performance with a range of 100%-5%.

How it works

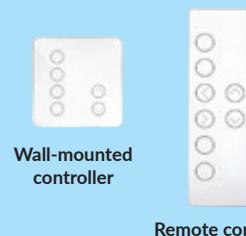
with Retrofit LED Products



with Dimming Modules



INGENIUM® BLU Products



250W Dimming module
Phase-out dimming

100W Dimming module
Phase-out dimming



INGENIUM® BLU App

Simple, stylish and intelligent – the advantages include easy installation, availability of direct LED retrofit, wireless compatibility, dimming feature, precision scene setting and greater energy-saving using the app.



Power

Switch the lights on and off



Dimming

Adjust brightness level with linear dimming functions



Timer

Pre-set the time to light up the lamp from lowest to full brightness



Grouping

Control lighting devices room-by-room



Scenes

Set programmers for your favorite settings for repeated use

Technical Information

Bluetooth version	4.1
Expected coverage	10 metres
Maximum number of lamps / devices to be connected at the same time	64
Maximum number of groups	At least 8 groups available (dependent of smart device)
Maximum number of lamps per group	64
Maximum number of scene set per group	At least 8 scenes available (dependent of smart device)
Control unit	Smart device with app (iOS or Android), remote controller and wall-mounted controller
Network topology	Mesh
Applications	Household use, showroom, lounge, function room, conference room, reception area, office, etc.
Recommended operating systems versions of the smart devices	iOS 6.1 and later version, Android 4.3 and later version



Available on the
App Store



ANDROID APP ON
Google play

Smart Lighting



Scalable and Interoperable Smart Lighting System for High-end Applications

INGENIUM® ZB is a scalable smart lighting solution working with ZigBee® technology that allows users to gain wireless control over all INGENIUM® ZB lighting products. It is compatible with popular ZigBee® equipped super gateways, allowing you to add general lighting to your smart home automation system.

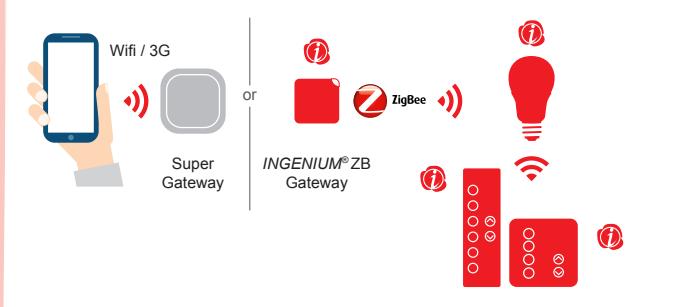
Compatible with Common ZigBee® Equipped Super Gateways

Allows interoperability between MEGAMAN® LED lighting and other home equipment

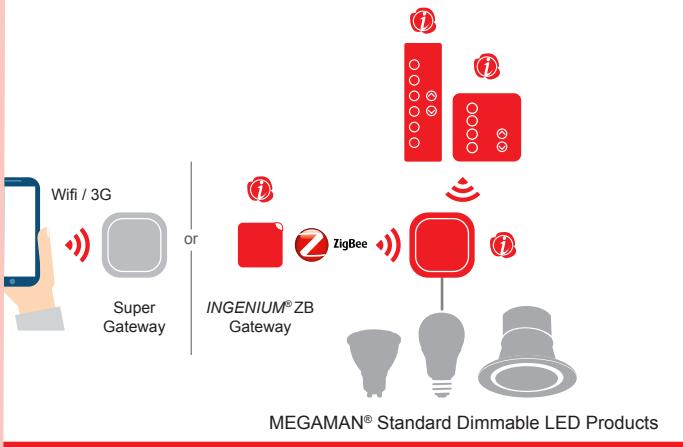


How it works

with Retrofit LED Products



with Dimming Modules



MEGAMAN® Standard Dimmable LED Products



Compatible with other ZigBee smart home solutions



Scalable, large coverage



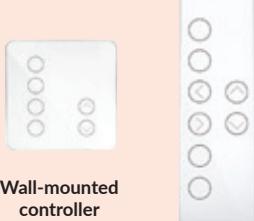
Remote access

MEGAMAN® Smart Lighting – INGENIUM® ZB

MEGAMAN® Smart Lighting will be a bridge between general lighting and smart home system



INGENIUM® ZB Products



Wall-mounted controller



Gateway



250W Dimming module*;
Triac dimming

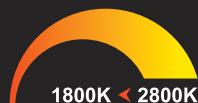


100W Dimming module*;
Triac dimming

Remote controller

Technical Information

Expected coverage	30 metres
Maximum number of lamps / devices to be connected at the same time	At least 200 units
Maximum number of groups	At least 200 groups
Maximum number of lamps / devices per group	200
Maximum number of scene set per group	At least 255 scenes available
Control unit	Smart device with app (iOS or Android), remote controller, wall-mounted controller
Network topology	Mesh
Applications	Hotel, office, restaurant, showroom, gallery, household use etc
Recommended operating systems versions of the smart devices	iOS 7 and later version, Android 4.0 and later version



Dim to WARM



Dim to Warm

Upgraded with U-DIM™ technology, better dimming performance for instantly create a more relaxing atmosphere



Emits a warmer light when it is dimmed



Professional Series | 1800K - 2800K

Lamp Type	Model No.	Voltage (V)	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
✖	AR111	350mA [DC36V]	G53	12	5000	24	850	750	1800K - 2800K [Ra82]	40000	111	58	100-1% ²	A	1
✖	AR111	350mA [DC36V]	G53	12	2000	45	850	750			111	58	100-1% ²		1
NEW	AR111	ER4012wHR-75H24D ¹	AC 12V	G53	12	5000	24	900			111	58	100-10%		2
NEW	AR111	ER4112wHR-75H45D ¹	AC 12V	G53	12	2000	45	900			111	58	100-10%		3
↑	MR16	350mA [DC18V]	GU5.3	6	1100	36	500	335			50	45	100-1% ²		4

² LED constant current reduction (CCR) converter with output current of 350mA is required.

The suggested MEGAMAN® LED converter is LD0208x1d-C350 for LED MR16 ER3306w-50H36D, and LD0214x1d-C350 for LED AR111 ER3712w-75H24D and ER3912w-75H45D.



Smart Series | 1800K - 2800K

Lamp Type	Model No.	Voltage (V)	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
NEW	PAR16	220-240	GU10	5.5	440	35	360	250	1800K-2800K [Ra82]	25000	50	57	100-5%	A	5
				6	480		400	280							6





Comparison of Lamp Dimension



Smart Series | 1800K - 2700K

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Voltage (V)	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
Candle	25	LC0404w	220-240	E14	4	250	1800K-2700K [Ra80]	25000	35	100	100-10%	A+	1
Candle	25	LC0404wCS		E14	4	250			35	100	100-10%		2
Candle	40	LC1105.5w ¹		E14	5.5	470			40	106	100-5%		3
Candle	40	LC1105.5wCS ¹		E14	5.5	470			40	106	100-5%		4
P45	25	LG2604w		E14 / E27	4	250			45	E14:84 / E27:77	100-10%		5
P45	40	LG5205.5w ¹		E14 / E27	5.5	470			45	80	100-5%		6
A55	40	LG2207w		E27	7	470			55	104	100-10%		7
A60	40	LG7206w		E27	6	470			60	112	100-5%		8
A60	60	LG7309.5w ¹		E27	9.5	810			60	117	100-5%		9
A65	60	LG2310.5w		E27	10.5	810			65	125	100-10%		10



Integrated LED Downlight - MEGAMAN® SIENA | 1800K - 2800K

Model No.	Voltage (V)	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Dimension (mm)	Cut-out (mm)	Dimmable	Product Photo
F28100RC-w [FDS28100v0-dm/dw]	220-240	8	1800	36	500	1800K - 2800K [>Ra80]	25000	Ø80 x H55	68	100-10%	6
F29500RC-w [FDS29500v0-dm/dw]		8	1800	36	500			L80 x W80 x H55	68		7
F26400RC-w [FDS26400v0-dm/dw]		13	670	60	900			Ø110 x H78	85		8

F28100RC-w / F29500RC-w White (WH26) Silver (SV26) Brushed Nickel (NI53)



F26400RC-w White (WH26) Silver (SV26)



Ultra Slim LED Downlight - MEGAMAN® RICO HR | 1800K-2800K

Model No.	Voltage (V)	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Dimension (mm)	Cut-out (mm)	Dimmable	Product Photo
F53500RC-w ² [FDS53500v0-dw/ex]	350mA [DC 16-21V]	6.5	1100	36	500	1800K - 2800K [>Ra80]	25000	Ø80 x H30	68	Dimmable ³	9
F62300RC-w ² [FDS62300v0-dw/ex]											10

White (WH26) Silver (SV26) Brushed Nickel (NI53)



LED Light Engine - TECOH® THx | 1800K-2800K

Model No.	Voltage (V)	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Dimension (mm)	Cut-out (mm)	Dimmable	Energy Label	Power Factor (λ)	Product Photo
TH0405w-36D	350mA [DC 16-21V]	6	1200	36	500	350	1800K - 2800K [>Ra80]	50000	50	30	Dimmable ³	A	N/A	11
TH0205w-36D		8	1100			460		25000		65	100-5%		>0.9	12

² Capable of linear dimming when working with DALI, DSI or 1-10V dimming drivers, and the dimming performance depends on the specification of driver.

³ External driver with output current of 350mA and nominal voltage of DC16-21V is required. The suggested LED converter is LD0509x1d-C300.



100% 60% 20%

Step Dimming

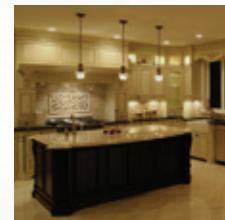
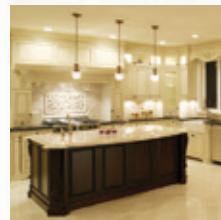


Step Dimming

LED lamps with a built-in dimmer



Three adjustable brightness levels:
100%, 60% and 20%



100%

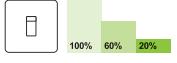
60%

20%



Step Dimming LED lamps

with a built-in dimmer

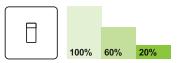


Step Dimming



Smart Series | 220-240V

Lamp Type	Model No.	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Luminous Flux in 120° cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
PAR16	LR2105sDG-WFL	GU10	5	350	40	250	220	N/A	2800K [Ra82], 4000K [Ra85]	25000	50	57	100%, 60%, 20%	A	1
PAR16	LR2106sDG-WFL	GU10	6	480	40	360	265	N/A			50	57		A	1
PAR16	LR4605.5sDG-WFL	GU10	5.5	540	35	500	315	N/A			50	57		A+	2
PAR16	LR4606sDG-SWFL ¹	GU10	6	320	100	570	420	550			50	57		A++	2
R50	LR2606s-SWFL	E14	6	190	90	400	250	340			50	87		A+	3
R63	LR2408s-SWFL	E27	8	230	90	600	350	520			63	104		A+	4



Step Dimming



Smart Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
Candle	40	LC0405.5s ¹	E14	5.5	470	2800K, 4000K [Ra80]	25000	35	100	100%, 60%, 20%	A+	5
P45	40	LG2605.5s ¹	E14	5.5	470			45	84			6
A55	40	LG2206s	E27	6	470			55	104			7
A60	40	LG7105.5s	E27	5.5	470			60	109			8
A60	60	LG7208.5s	E27	8.5	810			60	112			9
A60	60	LG2509.5s	E27	9.5	810			60	115			10
A60	75	LG7310.5s	E27	10.5	1055			60	117			11
A65	75	LG2311s	E27	11	1055			65	125			12
A70	100	LG7414s ¹	E27	14	1521			70	131			13



Step Dimming



Smart Series | 220-240V

Lamp Type	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
GX53	LR2205s	GX53	5	300	2800K,4000K [Ra80]	25000	75	24	100%, 60%, 20%	A+	14
	LR3307s		7	520				32			15

RICHCOLOUR

Maximise the richness and quality of colours



Professional Series | RichColour+ | R9 value ≥75

Lamp Type	Model No.	Voltage (V)	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo	
NEW	AR111	ER2812dR9HR-75H08D ¹	AC 12V	G53	12	13000	8	650	590	2800K, 4000K [Ra95]	40000	111	58	100-10%	A	1
NEW	AR111	ER4013dR9HR-75H24D ¹	AC 12V	G53	13	3600	24	800	720		40000	111	58	100-10%	A	2
NEW	AR111	ER4113dR9HR-75H45D ¹	AC 12V	G53	13	1500	45	800	750		40000	111	58	100-10%	A	3
NEW	AR111	LR6510dR9HR-75H08D ¹	220-240	GU10	10	13000	8	650	590		40000	111	66	100-5%	A	4
NEW	AR111	LR6611dR9HR-75H24D ¹	220-240	GU10	11	3600	24	800	720		40000	111	66	100-5%	A	5
NEW	AR111	LR6711dR9HR-75H45D ¹	220-240	GU10	11	1500	45	800	750		40000	111	66	100-5%	A+	6
PAR16	PAR16	LR5907dR9HR-75H24D	220-240	GU10	7	2200	24	460	420		25000	50	57	100-5%	A+	7
PAR16	PAR16	LR5907dR9HR-75H35D	220-240	GU10	7	1150	35	460	420		25000	50	57	100-5%	A+	8


Smart Series | RichColour+ | R9 value ≥75

Lamp Type	Model No.	Voltage (V)	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
MR16	ER3308dR9LN-FL	AC 12V	GU5.3	8	2400	24	500	420	2800K, 4000K [Ra95]	25000	50	49	100-10%	A	1
	ER3308dR9DG-WFL				1450	36									2


Smart Series | RichColour | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
Candle	25	LC0403.5R9v2	E14	3.5	250	2800K, 4000K [Ra92]	15000	35	100	No	A+	3
Candle	40	LC0405.5R9	E14	5.5	470		15000	35	100	No		3
P45	25	LG2603.5R9v2	E14	3.5	250		15000	45	84	No		4
P45	40	LG2605.5R9	E14	5.5	470		15000	45	84	No		4
A60	40	LG7105.5R9	E27	5.5	470		15000	60	109	No		5
A60	40	LG7207dR9	E27	7	470		25000	60	112	100-10%		6
A60	60	LG7310R9	E27	10	810		15000	60	117	No		7
A60	60	LG7310.5dR9	E27	10.5	810		25000	60	117	100-10%		7
A65	75	LG7812R9	E27	12	1055		15000	65	125	No		8
A65	75	LG7813dR9	E27	13	1055		25000	65	125	100-10%		8


Smart Series | RichColour | 220-240V

Lamp Type	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
T8 Tube	LT0411.5R9 ¹	G13	11.5	880	4000K [Ra90]	40000	27.5	602	No	A+	9
	LT0520R9 ¹		20	1750				1212			
	LT0624R9 ¹		24	2200				1513			

RICHCOLOUR

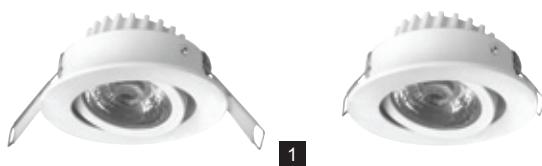
Maximise the richness and quality of colours



Integrated LED Downlight - MEGAMAN® SIENA FR | RichColour | 220-240V

	Model No.	Wattage (W)	Beam Angle (°)	Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life at L70, B50 at Ta25°C (hrs)	Diameter (mm)	Cut-out (mm)	Dimmable	Power Factor (λ)	Product Photo
IP44	F54400RC-R9 [FDS54400v0-r9]	4	90	320	2800K, 4000K, 6500K [Ra92]	50000	Ø110 x H68	85	No	>0.7	1
	F54500RC-R9 [FDM54500v0-r9]	6		500			Ø130 x H73	105		>0.9	2
	F54600RC-R9 [FDM54600v0-r9]	9.5		850			Ø145 x H84	125		>0.9	3
	F54700RC-R9 [FDL54700v0-r9]	15.5		1400			Ø172 x H94	150		>0.9	4
	F54800RCv2-R9 [FDL54800v2-r9]	15.5		1400			Ø225 x H100	200		>0.9	5
	F54800RC-R9 [FDL54800v0-r9]	19		1800			Ø225 x H100	200		>0.9	5
	F54800RCv1-R9 [FDL54800v1-r9] High output	25.5		2450			Ø225 x H100	200		>0.9	5

White (WH26) Silver (SV26)



Ultra Slim LED Downlight - MEGAMAN® RICO HR | RichColour+ | R9 value ≥75

	Model No.	Voltage (V)	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life at L70, B50 at Ta25°C (hrs)	Diameter (mm)	Cut-out (mm)	Dimmable	Product Photo
IP44	F53500RC-R9 ¹ [FDS53500v0-r9/ex]	350mA [DC 16-21V]	6.5	950	36	430	2800K, 4000K [Ra95]	25000	Ø80 x H30	68	Dimmable ²	1
	F62300RC-w ³ [FDS62300v0-r9/ex]											2

White (WH26) Silver (SV26) Brushed Nickel (NI53)



LED Module - TECOH® THx | RichColour+ | R9 value ≥75

Model No.	Voltage (V)	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life at L70, B10 at Tc85°C (hrs)	Diameter (mm)	Cut-out (mm)	Dimmable	Energy Label
TH0406R9 ⁴	350mA [DC16-21V]	6	1200	36	520	400	2800K, 4000K [Ra95]	50000	50	30	Dimmable ⁴	A+

¹ External driver with output current of 350mA and nominal voltage of DC16-21V is required. The suggested LED converter is LD0509x1d-C350.

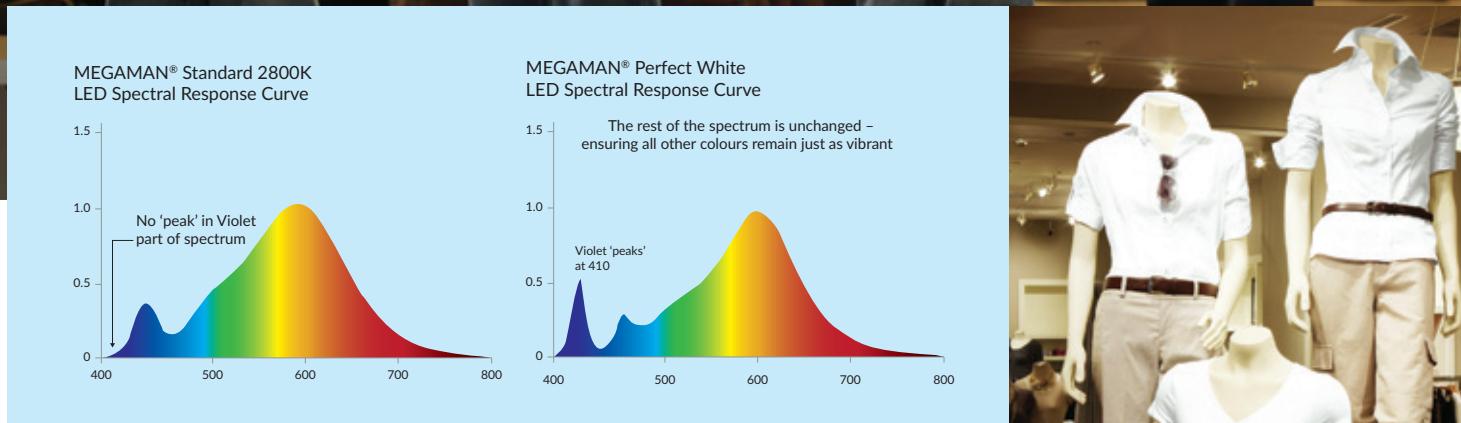
² Capable of linear dimming when working with DALI, DSI or 1-10V dimming drivers, and the dimming performance depends on the specification of driver.

³ External driver with output current of 350mA and nominal voltage of DC16-21V is required.

⁴ A dimming feature is available and performance can be enhanced by driver choice.

Perfect White

Brings whites to life



Professional Series

75W Halogen Replacement

Model No.	Voltage (V)	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
ER2712p-75H24D	AC 12V	G53	12	4200	24	700	560	3000K [Ra82]	35000 ²	111	58	100-10%	A	1
ER2912p-75H45D	AC 12V	G53	12	1500	45	700	560		35000 ²		58			1
LR4810p-75H24D ¹	220-240V	GU10	10	4800	24	730	570		40000		66			2

² The rated life is declared based on an enclosed environment (the most severe situation). Extended life up to 40,000 hours is still possible when the lamp is used in more open fixtures.

Candle

LED CANDLE | Smart Series | 220-240V

Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
25	LC0403.5d ¹	E14	3.5	250	2800K, 4000K [Ra80]	25000	35	100	100-5%	A+
40	LC0405d ¹		5	470			35	100	100-5%	
40	LC1106d		6	470			40	106	100-10%	
40	LC1107d		7	470			40	106	100-10%	

LED CANDLE | Economy Series | 220-240V

LED CLASSIC P45 | Smart Series | 220-240V

Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
25	LG2603.5d ¹	E14	3.5	250	2800K, 4000K [Ra80]	25000	45	84	100-5%	A+
40	LG2605d ¹		5	470				84	100-5%	
40	LG5206d		6	470				80	100-10%	

LED CLASSIC P45 | Economy Series | 220-240V

Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
25	LG2603.5dv2 ¹	E14	3.5	250	2800K, 4000K [Ra80]	15000	45	84	100-20%	A+
40	LG2605.5dv2 ¹		5.5	470						
15	LG2602	E14	2	136					84	No
15	LG2602v2	E14	2	136					84	
25	LG2603.5v2	E14	3.5	250					84	
40	LG2605.5	E14	5.5	470					84	
40	LG2605.5	E27	5.5	470					77	

Classic

25W	40W	47W	60W	75W	100W	121W
250lm	470lm	600lm	810lm	1055lm	1521lm	1921lm



U-DIM™

U/DIM



LG7206d

U/DIM



LG7310d

U/DIM



LG7811.5d



Compact Dim

NEW



LG11806d

NEW



LG11809d

NEW



LG11910d

NEW



LG12215d

Non-Dim



LG7103



LG7105.5



LG7107v2



LG7209.5



LG7311



LG11514



LG11514.5

LED CLASSIC | Smart Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
↑ U/DIM	A60	40	E27	6	470	2800K, 4000K [Ra80]	25000	60	112	100-5%	A+
↑ U/DIM	A60	60		10	810			60	117		
↑ U/DIM	A65	75		11.5	1055			65	125		

LED CLASSIC | Economy Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
NEW Compact Dim	A60	40	E27	6	470	2800K, 4000K [Ra80]	15000	60	111	100-20%	A+
	A60	60		9	810			60	111		
	A65	75		10	1055			65	115		
	A70	100		15	1521			70	138		
NEW Compact Dim	25	LG7103	E27	3	250	2800K, 4000K [Ra80]	15000	60	109	No	A++
	40	LG7105.5		5.5	470			60	109		
	47	LG7107v2		7	600			60	109		
	A60	60		9.5	810			60	112		
	75	LG7311		11	1055			60	117		
	100	LG11514		14	1521			60	125		
	121	LG11514.5 ¹		14.5	1921			60	125		

¹ Preliminary Data

↑ Product Upgrade

Globe

60W
810lm75W
1055m100W
1521lm

DIMMABLE®



LG7610.5d



LG7613d



LG7713d

Non-Dim



LG7610



LG7611



LG7711



LG7614



LG7714

Smart Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
G95	60	LG7610.5d	E27	10.5	810	2800K, 4000K [Ra80]	25000	95	132	100-10%	A+
G95	75	LG7613d		13	1055			95	132		
G120	75	LG7713d		13	1055			120	155		

Economy Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
G95	60	LG7610	E27	10	810	2800K, 4000K [Ra80]	15000	95	132	No	A+
G95	75	LG7611		11	1055			95	132		
G95	100	LG7614		14	1521			95	132		
G120	75	LG7711		11	1055			120	155		
G120	100	LG7714		14	1521			120	155		



U-DIM™

Seamless dimming, compatible with widest range of existing dimmers



Universal
Dimming



Seamless
dimming



Enhanced dim
characteristic from
100% down to 5%



Energy
saving

Trailing-Edge? or Leading-Edge No need to worry

MEGAMAN® U-DIM™ (Universal Dimming) products are compatible with both – taking the headache out of dimming.

More U-DIM™ products are available!

PAR16



AR111



CANDLE



CLASSIC



MEGAMAN®
RICO HR



MEGAMAN®
SIENA SR



MEGAMAN®
SIENA SR



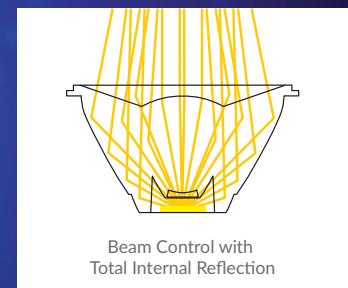
TECOH®
THx



Hybrid Reflector



MEGAMAN® Hybrid Reflector



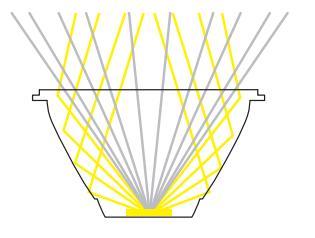
Beam Control with
Total Internal Reflection

Excellent Optics, Efficacy and Beam Control

Offering excellent optics, efficacy and beam control, MEGAMAN®'s Hybrid Reflector combines the best features of its popular faceted reflector range with the total internal reflection of our optical reflector to push LED technology to the next level. At the same time minimising spill light, reducing glare and eliminating the 'visual noise' of multiple lens arrays.

- Precise Beam Angle
- Narrow Beam Options
- Familiar Look of Halogen
- U-DIM™ Technology

Legacy Reflector



Spill Light of Conventional Reflector

LED AR111

AC 12V

Line Voltage

8°

24°

45°

8°

24°

45°

50W
Replacement

PAR30



ER2811dHR-50H08D



PAR30



ER4011dHR-50H24D



PAR30



ER4111dHR-50H45D

75W
Replacement

PAR30



ER2813dHR-75H08D



PAR30



ER4013dHR-75H24D



PAR30



ER4113dHR-75H45D



PAR30



LR6511dHR-75H08D



PAR30



LR6611dHR-75H24D



PAR30



LR6711dHR-75H45D

Professional Series | AC12V

Model No.	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
ER2111d-50H08D	G53	11	15000	8	550	400	2800K, 4000K [Ra80]	35000 ⁵	111	62	100-10%	A
ER2711d-50H24D		11	3600	24	600	500	2800K, 4000K [Ra80]	35000 ⁵		58		
ER2911d-50H45D		11	1400	45	630	550	2800K, 4000K [Ra80]	35000 ⁵		58		
ER2811dHR-50H08D ¹		11	13000	8	650	550	2800K [Ra82], 4000K [Ra85]	40000		58		
ER4011dHR-50H24D ¹		11	3400	24	750	650	2800K [Ra82], 4000K [Ra85]	40000		58		
ER4111dHR-50H45D ¹		11	1300	45	750	680	2800K [Ra82], 4000K [Ra85]	40000		58		
ER2115d-75H08D		15	17000	8	850	650	2800K, 4000K [Ra80]	25000 ⁵		62		
ER2712d-75H24D		12	5000	24	870	770	2800K [Ra82], 4000K [Ra85]	35000 ⁵		58		
ER2912d-75H45D		12	2000	45	850	750	2800K [Ra82], 4000K [Ra85]	35000 ⁵		58		
ER2813dHR-75H08D ¹		13	16000	8	750	650	2800K [Ra82], 4000K [Ra85]	40000		58		
ER4013dHR-75H24D ¹		13	5000	24	900	820	2800K [Ra82], 4000K [Ra85]	40000		58		
ER4113dHR-75H45D ¹		13	2000	45	900	850	2800K [Ra82], 4000K [Ra85]	40000		58		
ER2116d-100H08D		16	19000	8	1300	1000	2800K [Ra82], 4000K [Ra85]	25000 ⁵		62		
ER2016d-100H24D		16	7000	24	1300	1100	2800K [Ra82], 4000K [Ra85]	25000 ⁵		62		
ER2216d-100H45D		16	2500	45	1300	1000	2800K [Ra82], 4000K [Ra85]	25000 ⁵		62		

Professional Series | 220-240V

Model No.	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
LR1712d-50H08D	GU10	12	16000	8	550	460	2800K, 4000K [Ra80]	30000 ⁵	111	89	100-10%	A
LR1612d-50H24D		12	3600	24	850	750	2800K, 4000K [Ra80]	30000 ⁵		89		
LR1812d-50H45D		12	1400	45	850	750	2800K, 4000K [Ra80]	30000 ⁵		89		
LR1715d-75H08D		15	20000	8	950	700	2800K [Ra82], 4000K [Ra85]	40000		89		
LR1615d-75H24D		15	5000	24	1100	950	2800K [Ra82], 4000K [Ra85]	40000		89		
LR1815d-75H45D		15	2000	45	950	750	2800K [Ra82], 4000K [Ra85]	40000		89		
LR6511dHR-75H08D ¹		11	16000	8	750	650	2800K [Ra82], 4000K [Ra85]	40000		66		
LR6611dHR-75H24D ¹		11	5000	24	900	820	2800K [Ra82], 4000K [Ra85]	40000		66		
LR6711dHR-75H45D ¹		11	2000	45	900	850	2800K [Ra82], 4000K [Ra85]	40000		66		

Professional Series | Constant Current Type

Model No.	Voltage (V)	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
ER0210-50H08D ²	G53	500mA (DC20V)	10	16000	8	750	650	2800K [Ra82], 4000K [Ra85]	40000	111	58	100-1% ⁴	A
ER0110-50H24D ²		500mA (DC20V)	10	3600	24	750	650						
ER0310-50H45D ²		500mA (DC20V)	10	1400	45	750	650						
ER0218-100H08D ³		500mA (DC36V)	18	20000	8	1500	1150						
ER0118-100H24D ³		500mA (DC36V)	18	8000	24	1500	1150						
ER0318-100H45D ³		500mA (DC36V)	18	2600	45	1500	1150						

² LED constant current converter with output current of 500mA and nominal voltage of DC20V is required. The suggested LED converter is LD0310x1v-C500.³ LED constant current converter with output current of 500mA and nominal voltage of DC 36V is required.⁴ Capable of linear dimming from 100% to 1% when connects to a DC1-10V dimming driver and a DC1-10V dimmer.⁵ The rated life is declared based on an enclosed environment (the most severe situation). Extended life up to 40,000 hours is still possible when the lamp is used in more open fixtures.

LED PAR16



Professional Series | 220-240V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
LR4204.5-35H24D	4.5	1300	24	240	210	2800K [Ra82], 4000K [Ra85]	25000	50	55	No	A	1
LR4204.5-35H35D	4.5	600	35	240	210				55	No	A	1
LR4604HR-50H24D	4	1600	24	350	315				55	No	A++	2
LR4604HR-50H35D	4	1000	35	350	315				55	No	A++	3
LR4407d-50H24D	7	2200	24	450	330				64	100-10%	A	4
LR4407d-50H35D	7	1200	35	450	330				64	100-10%	A	4
LR4407-50H24D	7	2200	24	500	335				64	No	A	4
LR4407-50H35D	7	1200	35	500	335				57	100-5%	A+	5
LR5605.5dHR-50H24D	5.5	2200	24	400	350				57	100-5%	A+	6
LR5605.5dHR-50H35D	5.5	1100	35	400	350				57	100-5%	A+	7
LR5906dHR-75H24D	6	2800	24	550	500				57	100-5%	A+	8
LR5906dHR-75H35D	6	1400	35	550	500				57	100-5%	A+	8



Smart Series | 220-240V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
LR4605dDG-WFL	5	480	35	360	265	2800K [Ra82], 4000K [Ra85]	25000	50	57	100-5%	A+	9
LR4605dDG-VWFL	5	200	60	360	265				57	100-5%		9
LR4605dLN-WFL	5	600	40	360	315				55	100-5%		10
LR4605.5dDG-WFL	5.5	540	35	500	345				57	100-5%		9
LR4605.5dDG-VWFL	5.5	300	60	500	345				57	100-5%		9
LR5007dDG-WFL	7	780	35	700	460				57	100-10%		11
LR5007dDG-VWFL	7	360	60	700	460				57	100-10%		11



Economy Series | Glass Finishing | 220-240V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
LR6303.3LN-WFL ¹	3.3	500	35	280	230	2800K, 4000K [Ra80]	15000	50	53.5	No	A++	12
LR6304dLN-WFL ¹	4	500		280	230					100-20%	A+	
LR6304.5LN-WFL ¹	4.5	700		400	345					No	A+	
LR6305.5dLN-WFL ¹	5.5	700		380	345					100-20%	A+	
LR6305LN-WFL ¹	5	800		500	430					No	A++	



Economy Series | 220-240V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Luminous Flux in 120° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
LR4604DG-WFL	4	500	35	250	220	N/A	2800K, 4000K [Ra80]	15000	50	57	No	A+	9
LR4604DG-VWFL	4	300	60	250	220	N/A						A+	9
LR2104DG-SWFL	4	160	90	250	220	230						A+	13
LR4604.5DG-WFL	4.5	560	35	360	265	N/A						A+	9
LR4604.5DG-VWFL	4.5	360	60	360	265	N/A						A+	9
LR4605DGv2-WFL	5	830	35	500	420	N/A						A++	9

MR16



Professional Series | AC12V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
ER2404.5-35H24D	4.5	1300	24	240	210	2800K [Ra82], 4000K [Ra85]	25000	50	45	No	A	1
ER2404.5-35H36D	4.5	600	36	240	210				45	No		1
ER3207-50H24D	7	2000	24	500	330				56	No		2
ER3207-50H36D	7	1100	36	500	330				56	No		2
ER3207.5d-50H24D	7.5	2000	24	450	330				56	100-10%		2
ER3207.5d-50H36D	7.5	1100	36	450	330				56	100-10%		2



Smart Series | AC12V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
ER3308dLN-SP	8	5500	12	450	350	2800K [Ra82], 4000K [Ra85]	25000	50	46	100-10%	A	3
ER2607.5LN-FL	7.5	2900	24	500	420				51	No		4
ER2607.5LN-WFL	7.5	1800	36	500	420				51	No		4
ER3308dLN-FL	8	3000	24	600	500				49	100-10%		5
ER3308dDG-WFL	8	1800	36	600	500				49	100-10%		6



Economy Series | Glass Finishing | AC12V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
ER4502.7LN-WFL ¹	2.7	500	36	280	250	2800K, 4000K [Ra80]	15000	50	46	No	A++	7
ER4504.7LN-WFL ¹	4.7	650	36	400	345	2800K, 4000K [Ra80]	15000	50	47	No	A+	



Economy Series | AC12V

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
ER3405DG-WFL	5	350	36	250	220	2800K, 4000K [Ra80]	15000	50	47	No	A	8
ER3406DG-WFL	6	500	36	400	300	2800K, 4000K [Ra80]	15000	50	47	No	A	

LED PAR20 PAR30 & PAR38



Professional Series | 220-240V

Lamp Type	Model No.	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
PAR20	LR0308d-50H30D	E27	8	1600	30	430	405	2800K [Ra82], 4000K [Ra85]	25000	65	95	100-10% A	1	
PAR30S	LR1412d-75H30D		12	2300	30	600	580		30000	95	88			2
PAR30	LR0215d-100H24D		15	3200	24	530	500		30000	96	102			3
PAR38	LR0920d-25M25D		20	6800	25	1200	1000		30000	121	133			4
PAR38	LR0920d-25M45D		20	2200	45	1200	1000		30000	121	133			4



Economy Series | 220-240V

Lamp Type	Model No.	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
PAR20	LR2906-WFL	E27	6	450	35	350	250	2800K, 4000K [Ra80]	15000	63	90	No A	5	
PAR30S	LR3010.5-WFL		10.5	850		700	635			95	88			6
PAR38	LR3215.5-WFL		15.5	1500		950	760			121	132			7

LED R50, R63 & R80



Economy Series | 220-240V

Lamp Type	Model No.	Lamp Base	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° Cone (lm)	Luminous Flux in 120° cone (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
R50	LR2603.5-SWFL	E14	3.5	120	90	250	145	210	2800K, 4000K [Ra80]	15000	50	87	No A+	1	
R50	LR2605-SWFL		5	190		400	250	340			50	87			1
R63	LR2407.5-SWFL		7.5	230		600	350	520			63	103			2
R80	LR4307-SWFL		7	230		520	300	420			78	112			3

LED CANDLE/CLASSIC with 360° Illumination

Delivers 360° illumination to emit light in all directions



Smart Series | 220-240V

	Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
Compact Dim	Candle	25	LC2003.5d	E27	3.5	250	2800K, 4000K [Ra80]	15000	35	96	100-20%	A+	1
	P45	25	LG7903.5d		3.5	250			45	67			2
	A60	40	LG8007d		7	470			60	108			3
	A60	60	LG8009.5d		9.5	810			60	108			3
X	Candle	25	LC2003	E14 / E27	3	250	2800K, 4000K [Ra80]	15000	35	E14: 98 / E27: 96	No	A++	1
	P45	25	LG7903	E14 / E27	3	250			45	E14: 72 / E27: 67			2
	P45	25	LG4303.5	E14	3.3	250			45	84			4
	A55	40	LG4405.5	E27	5.5	470			55	100			5
	A60	40	LG8005.5	E27	5.5	470			60	108			3
	A60	60	LG4507.4 ¹	E27	7.4	810			60	107			A++ 6
	A60	60	LG8008.5	E27	8.5	810			60	108			A+ 3

¹The operating temperature is -30°C to +60°C

LED SENSOR LIGHT

Automatically lights up in darkness and turns itself off in a bright environment



Smart Series | 220-240V

	Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
A60	A60	40	LG7105.5r	E27	5.5	470	2800K, 4000K [Ra80]	25000	60	109	No	A+	1
		47	LG7106r		6	600				109			1
		60	LG7309.5r		9.5	810				117			2
		75	LG7311r		11	1055				117			2

^{*} Will be gradually phased out

2700K

LED Filament Lamp

22W
220lm25W
250lm35W
400lm40W
470lm60W
810lm

DIMMERABLE®

LC1503.2dCS



LG6205.5dCS



Compact Dim



LC1403.2dCS



LG9603.2dCS



LG6105.5dCS



LG9809dCS

Non-Dim



LC1403CS LC1403TP LG9603CS



LC2204CS LC2204TP LG9704CS



LG6104.8CS



LG9808CS

Smart Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
NEW Compact Dim	Candle	22	LC1503.2dCS	E14	3.2	220	2700K [Ra80]	15000	35	121	100-10%
	A60	40	LG6205.5dCS	E27	5.5	470			60	118	
NEW Compact Dim	Candle	22	LC1403.2dCS	E27	3.2	220	2700K [Ra80]	15000	35	99	100-20%
	P45	25	LG9603.2dCS		3.2	250			45	75	
NEW Compact Dim	A60	40	LG6105.5dCS		5.5	470			60	108	A+
	A60	60	LG9809dCS		9	810			60	108	

Economy Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
Candle	25	LC1403CS	E14	3	250	2700K [Ra80]	15000	35	101	No	A++
Candle	25	LC1403TP	E14	3	250			35	118		A++
Candle	35	LC2204CS	E14	4	400			35	98		A++
Candle	35	LC2204TP	E14	4	400			35	118		A++
P45	25	LG9603CS	E14 / E27	3	250			45	E14: 78 / E27: 72		A++
P45	35	LG9704CS	E14 / E27	4	400			45	E14: 78 / E27: 72		A++
A60	40	LG6104.8CS	E27	4.8	470			60	103		A++
A60	60	LG9808CS	E27	8	810			60	108		A+

2200K

LED Golden Filament Lamp

21W
210lm

Candle

ST58

A75

G95

G125



DIMMABLE®



LG6603dGD



LG6303dGD



LG6403dGD



LG6503dGD



Compact Dim



LG7003dGD



LG6903dGD

Non-Dim



LC1403GD/TP



LG7003GD



LG6703GD



LG6803GD



LG6903GD

Smart Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
ST58	21	LG6603dGD	E27	3	210	2200K [Ra80]	15000	58	152	100-10%	A+
A75		LG6303dGD						75	156		
G95		LG6403dGD						95	159		
G125		LG6503dGD						125	194		
ST58		LG7003dGD						59	131		
G125		LG6903dGD						125	173		

Economy Series | 220-240V

Lamp Type	Equivalent Incandescent Lamp Power (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label
Candle	21	LC1403GD/TP	E14	3	210	2200K [Ra80]	15000	35	118	No	A+
ST58		LG7003GD	E27					58	131		
A75		LG6703GD	E27					75	135		
G95		LG6803GD	E27					95	138		
G125		LG6903GD	E27					125	173		

LED G4



Economy Series | AC12V

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
EU0301.2	G4	1.2	100	2800K [Ra80]	15000	9	30	No	A++	1
EU0401.8		1.8	180			10	37			2
EU0502.7 ¹		2.7	250			17	52			3

NEW

LED G9



Smart Series | 220-240V

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
LU0202d	GU9	2	100	2800K, 4000K [Ra80]	25000	20	46	100-20%	A+	4
LU0303d		3	180			22				5

Economy Series | 220-240V

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
LU0702	GU9	2	180	2800K [Ra80]	15000	19	43	No	A++	6
LU0403		3	220	2800K, 4000K [Ra80]		22	53			7
LU0904.3 ¹		4.3	350	2800K, 4000K [Ra80]		17	53			8

NEW

LED CROWN SILVER/ BRASS



Smart Series | 220-240V

Lamp Type	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
P45	LS0303.5d	E14	3.5	95	2800K, 4000K [Ra80]	25000	45	84	100-10%	B	1
A55	LS0405d	E27	5	200			55	104		A	2
A60	LS0505d	E27	5	200			60	107		A	3
A60	LS0505d-Brass	E27	5	200			60	107		A	4

LED T8 TUBE



1

Universal both magnetic & electronic ballasts

Professional Series | 220-240V

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp. [CRI]	Rated Life	Diameter (mm)	Length (mm)	Energy Label	Power Factor (λ)	Product Photo
LT0416U	G13	16	1450 [3000K] 1600 [4000K, 6500K]	91 [3000K] 100 [4000K, 6500K]	3000K, 4000K, 6500K [Ra80]	50000	27.5	602	A+	>0.9	1
LT0534.5U		34.5	2900 [3000K] 3200 [4000K, 6500K]	84 [3000K] 93 [4000K, 6500K]				1212			

Magnetic ballast compatible

Professional Series | 220-240V



2



3

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp. [CRI]	Rated Life	Diameter (mm)	Length (mm)	Energy Label	Power Factor (λ)	Product Photo
LT0409.5H ¹	G13	9.5	800 [3000K] 880 [4000K, 6500K]	84 [3000K] 93 [4000K, 6500K]	3000K, 4000K, 6500K [Ra80]	50000	27.5	602	A+	>0.9	3
LT0412.5H		12.5	1280 [3000K] 1400 [4000K, 6500K]	102 [3000K] 112 [4000K, 6500K]				602	A+		
LT0518H ¹		18	1600 [3000K] 1750 [4000K, 6500K]	89 [3000K] 97 [4000K, 6500K]				1212	A+		
LT0524.5H		24.5	2560 [3000K] 2820 [4000K, 6500K]	104 [3000K] 115 [4000K, 6500K]				1212	A+		
LT0624.5H ¹		24.5	2400 [3000K] 2600 [4000K, 6500K]	98 [3000K] 106 [4000K, 6500K]				1513	A+		
LT0625H		25	3400 [3000K] 3700 [4000K, 6500K]	136 [3000K] 148 [4000K, 6500K]				1513	A++		
LT0629.5H		29.5	3300 [3000K] 3600 [4000K, 6500K]	112 [3000K] 122 [4000K, 6500K]				1513	A+ [3000K] A++ [4000K, 6500K]		

Smart Series | 220-240V



4

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp. [CRI]	Rated Life	Diameter (mm)	Length (mm)	Energy Label	Product Photo
LT0523.5	G13	23.5	2200 [3000K] 2400 [4000K, 6500K]	94 [3000K] 102 [4000K, 6500K]	3000K, 4000K, 6500K [Ra80]	50000	27.5	1212	A+	4
LT0624.5		24.5	2400 [3000K] 2600 [4000K, 6500K]	98 [3000K] 106 [4000K, 6500K]				1513		



5

Economy Series | 220-240V

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp. [CRI]	Rated Life	Diameter (mm)	Length (mm)	Energy Label	Product Photo
LT0409.5	G13	9.5	800 [3000K] 880 [4000K, 6500K]	84 [3000K] 93 [4000K, 6500K]	3000K, 4000K, 6500K [Ra80]	40000	27.5	602	A+	5
LT0518		18	1600 [3000K] 1750 [4000K, 6500K]	89 [3000K] 97 [4000K, 6500K]				1212		
LT0622		22	2000 [3000K] 2200 [4000K, 6500K]	91 [3000K] 100 [4000K, 6500K]				1513		

LED CLUSTERLITE®



Smart Series | 220-240V

Equivalent Lamp Power of CFL / Mercury Tungsten Blended Lamp (W)	Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Diameter (mm)	Length (mm)	Dimmable	Energy Label	Product Photo
40 / 120	LH0127	E27	27	2800	2800K, 4000K [Ra80]	25000	63	188	No	A+	1
60 / 180	LH0132		32	4000 [2800K], 4160 [4000K]				188		A++	1
80 / 250	LH0133		33	4800 [2800K], 5000 [4000K]				188		A++	1
100 / 300	LH0246 ¹		46	6700 [2800K], 7000 [4000K]				279		A++	2

The LED CLUSTERLITE® is not water resistant. The waterproof performance of the lamp would only be attained if the lamp is used with a light fitting with an IP rating of IP44 or above. The ambient temperature inside the fixture must not exceed 60°C, which is equivalent to a minimum volume of 120 x 360 x 220 (mm). The noise level for LH0127 and LH0132 is 23dB in an enclosed fixture and 35dB when free burning. The noise level for LH0133 and LH0246 is 28dB in an enclosed fixture and 40dB when free burning.

LED R7S



Smart Series | 220-240V

Model No.	Lamp Base	Wattage (W)	Total Luminous Flux (lm)	Colour Temp. [CRI]	Rated Life (hrs)	Dimension (mm)	Dimmable	Energy Label	Product Photo
LJ0107	R7s	7	450	2800K, 4000K [Ra80]	25000	W56 x H30 x L83	No	A+	1
LJ0209		9	600			W56 x H29 x L118	No	A	2
LJ0409d		9	810			Ø26 x L118	100-20%	A+	3
LJ0408		8	1000			Ø26 x L118	No	A++	3

The LED R7s LJ0408 can be used in outdoor floodlight with minimum volume of W120 x L160 x H80 (mm) at ambient temperature of 25°C, the estimated life time is 15,000 hours.

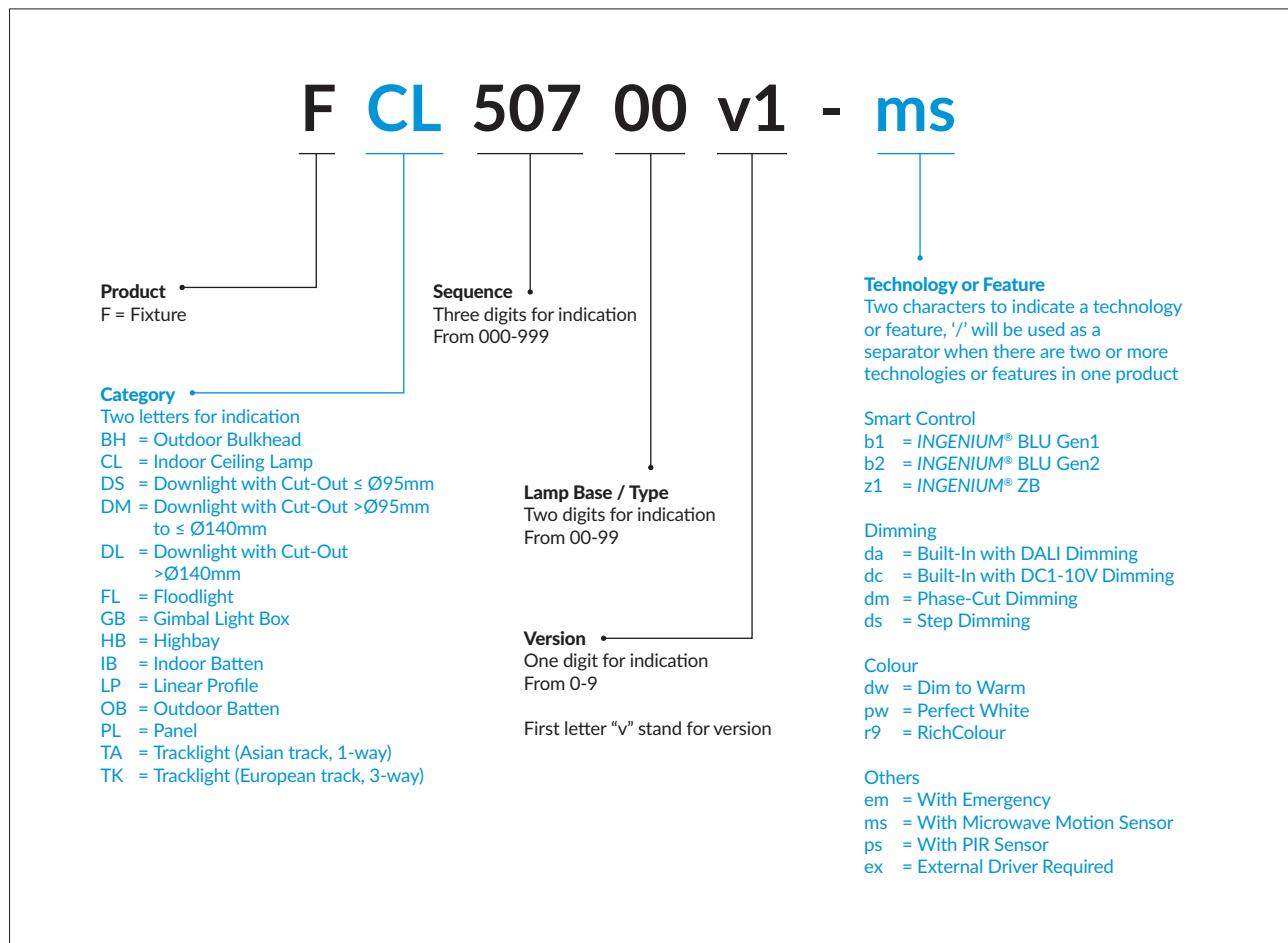
LED Luminaires



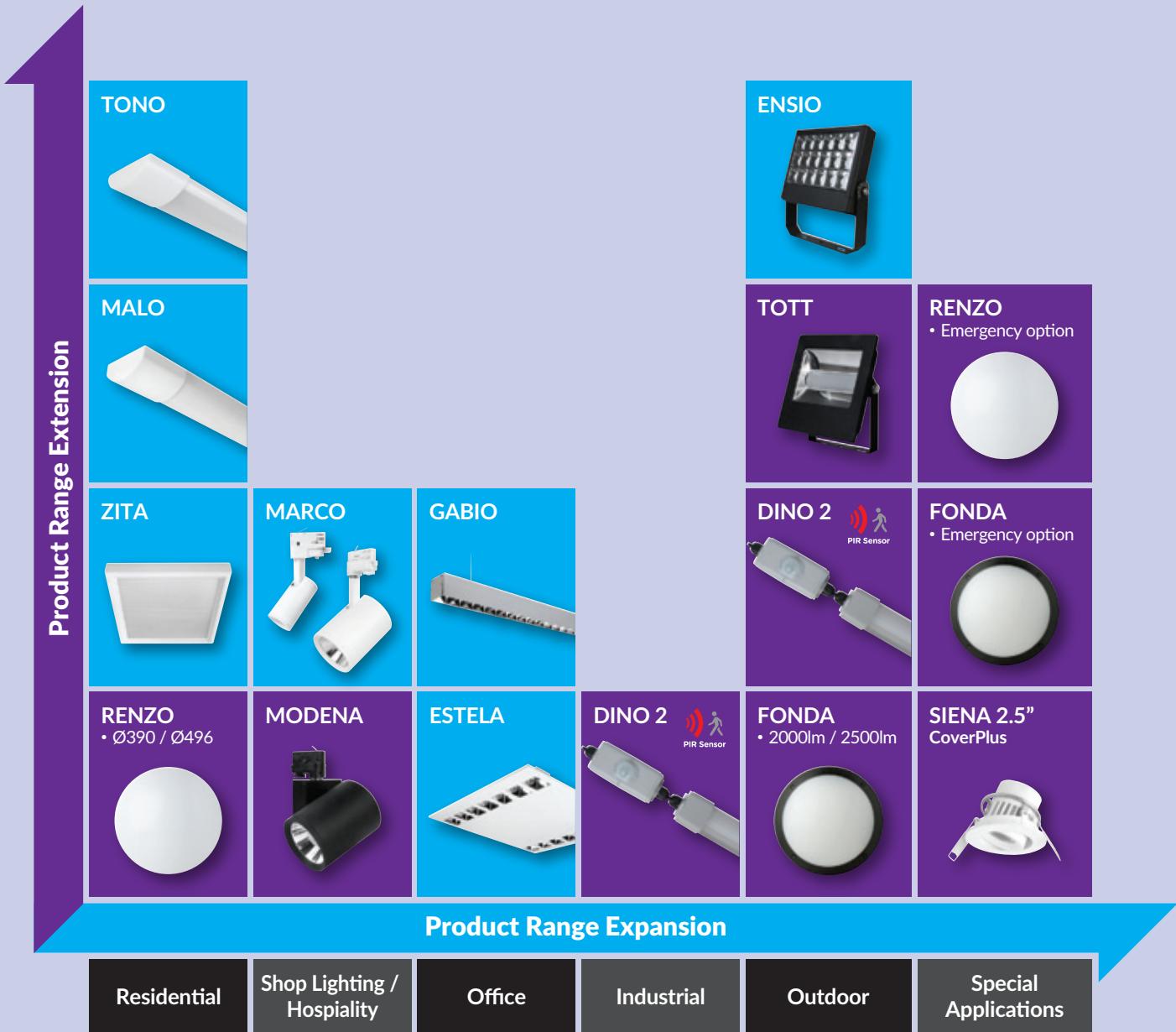
Upgrade of Nomenclature System

To tie in with the growth of our luminaire business, we have upgraded our nomenclature system for luminaire products, so that it can provide a clearer indication and be more flexible for future developments.

- The two letters indicating 'Installation Type' after 'Lamp Base' are removed
- A new 'Category' using two letters is located in the second and third places of the product code to indicate the product category of luminaire
- There are new double character codes to indicate 'Technology' or 'Feature' at the end. The '/' separator is used when there are more than one.



MEGAMAN® Luminaires Expansion and Extension



MEGAMAN® MALO

Integrated LED Batten



IP20

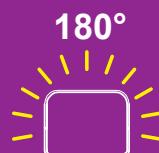
Up to
67%
Energy
Saving



Up to
107
lm/W

50000
hrs

$\lambda >0.9$



Wide 180° exit window,
offers an even light
distribution

Cable entries possible at rear side or both ends with Ø18mm knock-outs that allow different wiring options



Through wire connection possible



Two concealed surface mounting clips for easy installation and enhanced product appearance



Product Features

- Integrated driver with built-in LED that facilitates easy installation and servicing
- Various cable entries possible including through wiring for continuous runs
- True replacement for traditional T5 and T8 battens
- Surface/wall mounted or wire suspension
- Suitable for task and area lighting
- Applications: residential lighting, staircases, factories, corridors, warehouses, under cabinet

MEGAMAN® MALO

Integrated LED Batten

IP20 $\lambda > 0.9$ Class II



Energy Savings

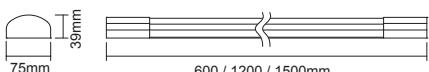
Length (mm)	Model No.	Wattage (W)	Luminous Flux (lm)	Target Replacement			Energy Saving
				Type of the Replacement	System Wattage (W) ¹		
600	FIB70000v0	9	900	T5	1 x 14W HE	15.6	42%
				T8	1 x 18W	22.5	60%
	FIB70000v1	15	1500	T5	1 x 24W HO	26.7	44%
				T5	2 x 14W HE	31.1	52%
1200	FIB70100v0	25	2500	T8	1 x 36W	45	44%
	FIB70100v1	35	3600	T5	2 x 28W HE	62.2	44%
1500	FIB70200v0	33	3450	T8	1 x 58W	72.5	54%
	FIB70200v1	42	4500	T5	2 x 35W HE	77.8	46%

¹ Assumption: The efficiency for T8 tube ballast is 80% and the efficiency for T5 tube ballast is 90%

220-
240V

White
(WH12)

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Material
NEW FIB70000v0	F59500SM	9	900	100	110	L600 x W75 x H39	3000K / 4000K / 6500K [>Ra80]	50000	Polycarbonate (PC)
NEW FIB70000v1	F59500SMv1	15	1500	100		L600 x W75 x H39			
NEW FIB70100v0	F59600SM	25	2500	100		L1200 x W75 x H39			
NEW FIB70100v1	F59600SMv1	35	3600	103		L1200 x W75 x H39			
NEW FIB70200v0	F59700SM	33	3450	105		L1500 x W75 x H39			
NEW FIB70200v1	F59700SMv1	42	4500	107		L1500 x W75 x H39			



MEGAMAN® TONO

Integrated LED Batten



IP20 $\lambda >0.9$ Class II

Product Features

- True replacement for traditional T5 and T8 battens
- Price competitive option when replacing traditional battens
- Integrated driver with built-in LED that facilitates easy installation and servicing
- Concealed clip system makes mounting quick and neat
- Suitable for task and area lighting
- Applications: residential lighting, staircases, factories, corridors, warehouses, under cabinet

NEW



220-240V

White (WH12)

	Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)
NEW	FIB70500v0	9.5	900	95		L600 x W75 x H24
NEW	FIB70500v1	16	1500	94		L600 x W75 x H24
NEW	FIB70600v0	27	2500	93		L1200 x W75 x H24
NEW	FIB70600v1	38	3600	95		L1200 x W75 x H24
NEW	FIB70700v0	37	3450	93		L1500 x W75 x H24
NEW	FIB70700v1	48	4500	94		L1500 x W75 x H24

110



Preliminary Data

MEGAMAN® KETO

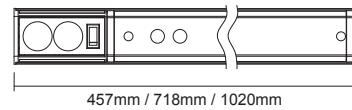
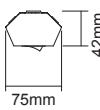
Integrated LED Batten



220-240V

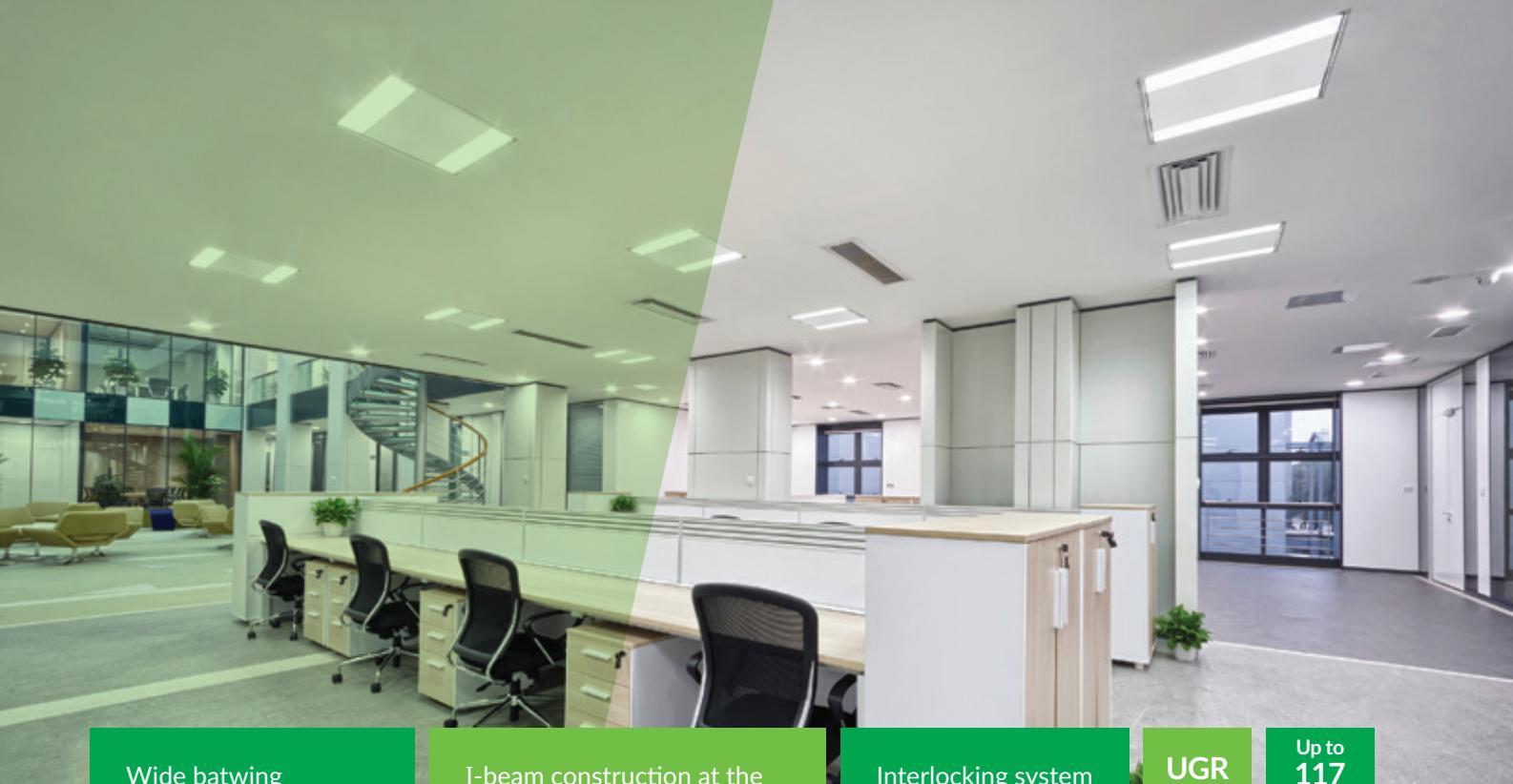
White (WH26)

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
FIB59900v0	F59900SM	3	300	100	110	L457 x W75 x H42	2800K / 4000K [>Ra80]	40000	>0.7	Aluminium housing with polycarbonate diffuser
FIB60000v0	F60000SM	9	900			L718 x W75 x H42			>0.9	
FIB60100v0	F60100SM	14.5	1450			L1020 x W75 x H42			>0.9	

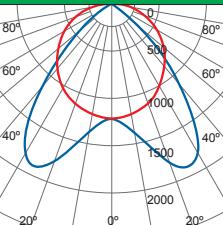


MEGAMAN® ESTELA

Recessed LED Luminaire



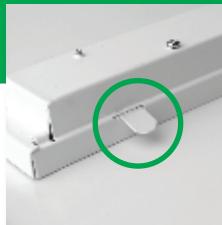
Wide batwing photometric distribution for maximum uniformity



I-beam construction at the back plate for reinforcing the structural robustness and ensuring flatness of panel



Interlocking system between the LED tray and metal plate



**UGR
≤19**

**50000
hrs**

Up to
117
lm/W
(Integrated)

Product Features

- New generation of modular luminaires with distinct appearance
- Perfect replacements with similar light output for 3x24W HO T5 and 3x18W T8 modular fluorescent louvre fittings and an ideal alternative to LED panels
- Integrated switchable version facilitates easy installation and maintenance; while external driver version allows compatibility with DALI dimming drivers for linear dimming
- Designed to block direct glare with a good cut off for visual comfort, ideal where computer screens are in use
- Light weight (only 3.5kgs) for easy installation and transportation
- Simple design minimises buildup of dust for easy maintenance
- Mountable on both exposed T-bar and concealed T-bar ceilings (with additional mounting kit)
- Applications: offices, department stores and schools

MEGAMAN® ESTELA

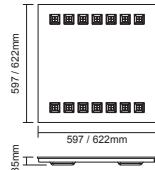
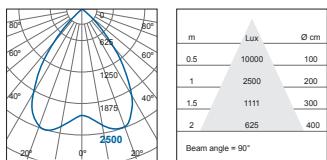
Recessed LED Luminaire

FPL62400v0 / FPL62400v0-ex
FPL62600v0 / FPL62600v0-ex



NEW

IP20 UGR ≤19 SDCM ≤4 λ >0.9 Class I

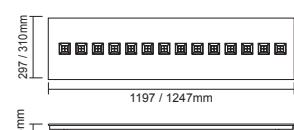
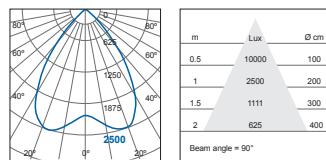


FPL62500v0 / FPL62500v0-ex
FPL62700v0 / FPL62700v0-ex



NEW

IP20 UGR ≤19 SDCM ≤4 λ >0.9 Class I



220-
240V

White
(WH26)

Integrated Switchable Version

	New Model No.	Old Model No.	System Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
NEW	FPL62400v0	F62400RC	30	3500	117	90	L597 x W597 x H35	4000K / 6500K [>Ra80]	50000	>0.9	Metal Housing
NEW	FPL62500v0	F62500RC					L1197 x W297 x H35				
NEW	FPL62600v0	F62600RC					L622 x W622 x H35				
NEW	FPL62700v0	F62700RC					L1247 x W310 x H35				

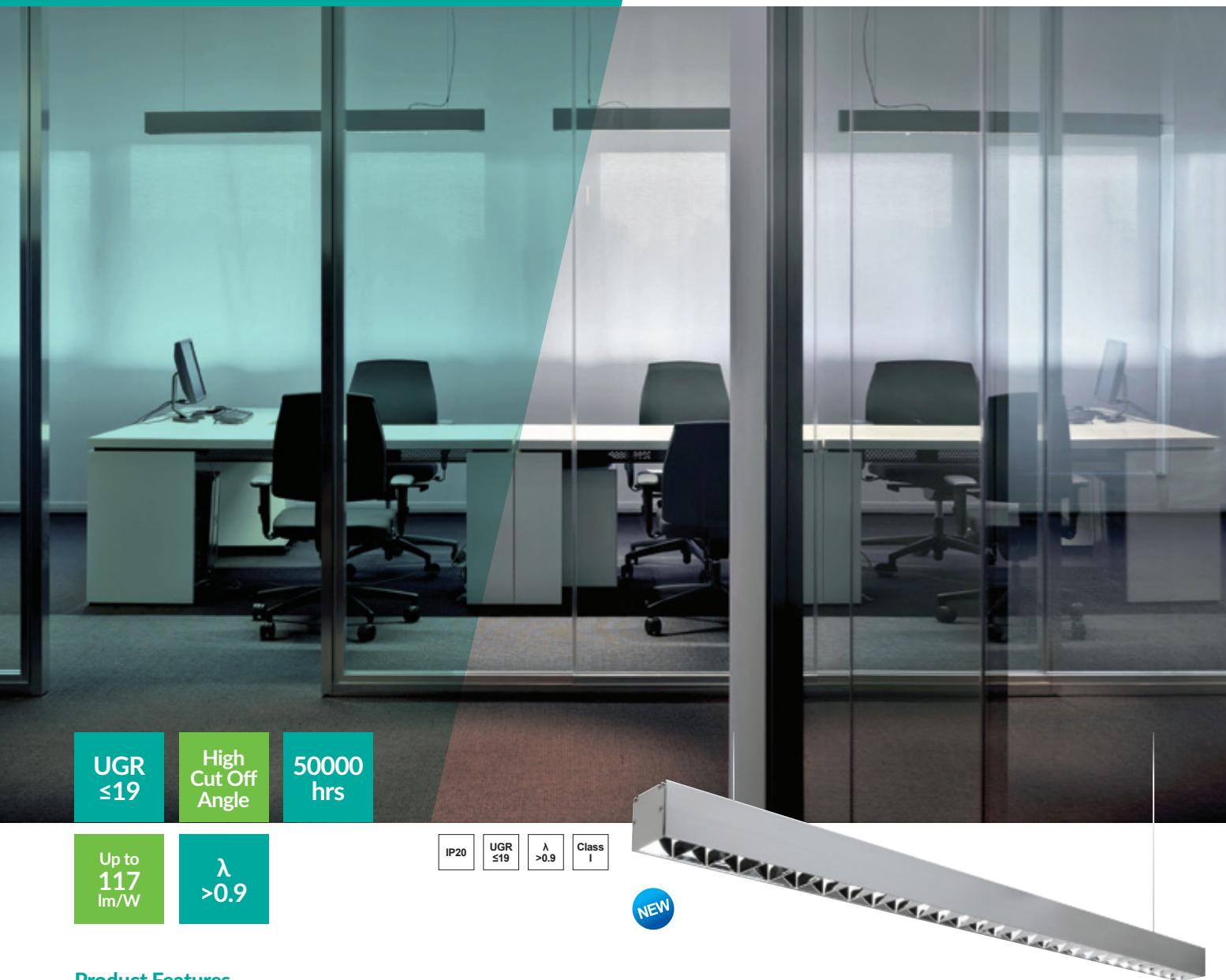
White
(WH26)

External driver version (Compatible with DALI dimming)

	New Model No.	Old Model No.	Input Current (mA)	Nominal Voltage	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
NEW	FPL62400v0-ex	F62400RC-x	800	DC 30-36V	27	3500	130	90	L597 x W597 x H35	4000K / 6500K [>Ra80]	50000	>0.9	Metal Housing
NEW	FPL62500v0-ex	F62500RC-x							L1197 x W297 x H35				
NEW	FPL62600v0-ex	F62600RC-x							L622 x W622 x H35				
NEW	FPL62700v0-ex	F62700RC-x							L1247 x W310 x H35				

MEGAMAN® GABIO

Slim Linear Profile



Product Features

- New generation of slim aluminum linear profile fixtures with understated design that fits any interior
- Louvre cell design with low glare rating for high visual comfort, ideal for individual task lighting
- Wide batwing light distribution and wide beam angle deliver high uniformity
- Built-in LED driver allows concealed power supply
- Different mounting methods to cater for different applications: surface-mount, suspension and recessed (with additional accessory kit)
- Modular system for linear series connection available upon request
- Applications: offices, schools, department stores, commercial applications

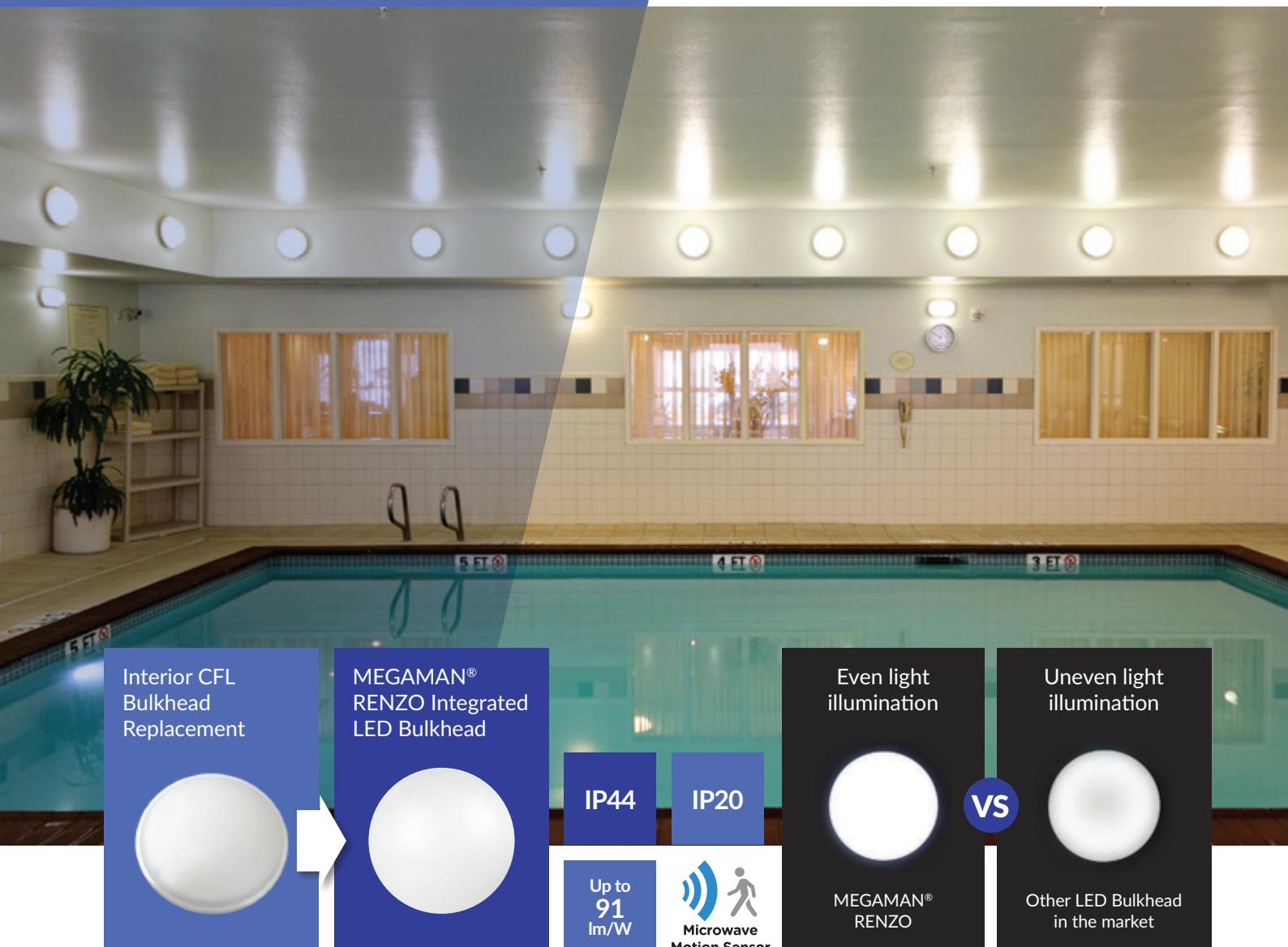
220-
240V

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70, B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
NEW FLP70000v0	20	2000	100	90	L1140 x W56 x H55	3000K / 4000K [>Ra80]	50000	>0.9	Matt Aluminium
NEW FLP70000v1	30	3500	117						

Preliminary Data

MEGAMAN® RENZO

Integrated LED Bulkhead



Product Features

- Higher output and larger sizes; Ø390mm with 2000lm and Ø496mm with 2700lm have been introduced to enhance the product range
- Extended wide range of lumen packages for direct alternatives to traditional wall and ceiling mounted luminaires (replacing CFL from 1x18W up to 2x26W, as well as 2D 16W and 28W)
- The built-in microwave motion sensor option uses low power microwave signals, which detect people moving, perfect for stairwell and walkway applications
- Unobtrusive and understated design for all situations
- Opal PMMA diffuser for an evenly distributed light and visual comfort
- Suitable for wall-mount and ceiling-mount, ideal for solid surfaces
- Applications: hotels, bathrooms, kitchens, corridors and residential applications

Emergency Option

- Designed for emergency conversion to enable general lighting when mains supply is lost
- Built-in and light weight for easy installation and maintenance
- Allows a variety of emergency solutions for different countries¹
- Integrated rechargeable battery for up to 3 hours' illumination when supply is lost
- Applications: fire escape routes in all commercial installations, residential accommodation and transport terminals

¹ Please feedback to our Product and Marketing teams for countries with different building codes, fire regulations and requirements.

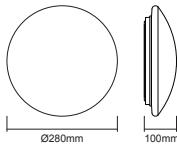
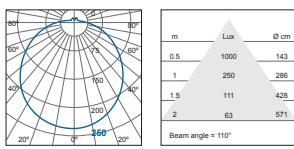
MEGAMAN® RENZO

Integrated LED Bulkhead

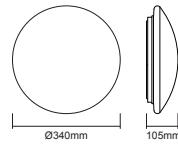
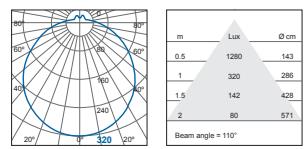
FCL50500v0



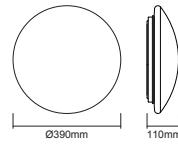
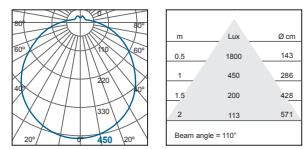
IP20 IP44 Class I

FCL50600v0
FCL50600v0-ms

IP20 IP44 Class I

FCL50700v0
FCL50700v0-ms

IP20 IP44 Class I



220-
240V

White (WH26)

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Power Factor (λ)	IP Rating	Material
FCL50500v0	F50500SM	10.5	800	76	110	Ø280 x H100	3000K / 4000K [Ra80]	25000	>0.5	IP20	Steel Housing with PMMA Diffuser
FCL50500v0	F50500SM+IP44	10.5	800	76		Ø280 x H100			>0.5	IP44	
FCL50600v0	F50600SM	14.5	1100	76		Ø340 x H105			>0.5	IP20	
FCL50600v0	F50600SM+IP44	14.5	1100	76		Ø340 x H105			>0.5	IP44	
FCL50600v0-ms	F50600SM-r+IP44	15.5	1100	71		Ø340 x H105			>0.5	IP44	
FCL50700v0	F50700SM	18.5	1400	76		Ø390 x H110			>0.5	IP20	
FCL50700v0	F50700SM+IP44	18.5	1400	76		Ø390 x H110			>0.5	IP44	
FCL50700v0-ms	F50700SM-r+IP44	19.5	1400	72		Ø390 x H110			>0.5	IP44	

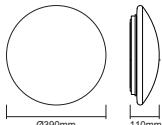
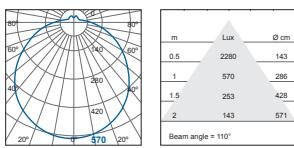
MEGAMAN® RENZO

Integrated LED Bulkhead

FCL50700v1
FCL50700v1-ms



IP20 IP44 Class I

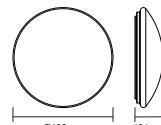
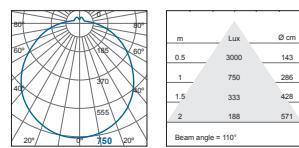


220-240V

FCL63300v0
FCL63300v0-ms



IP20 IP44 $\lambda >0.9$ Class I

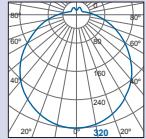
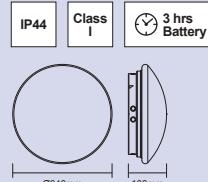


White (WH26)

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Power Factor (λ)	IP Rating	Material
NEW FCL50700v1	F50700SMv1	22	2000	91	110	Ø390 x H110	3000K / 4000K [Ra80]	25000	>0.9	IP20	Steel Housing with PMMA Diffuser
NEW FCL50700v1	F50700SMv1+IP44	22	2000	91		Ø390 x H110			>0.9	IP44	
NEW FCL50700v1-ms	F50700SMv1-r+IP44	23	2000	87		Ø390 x H110			>0.7	IP44	
NEW FCL63300v0	F63300SM	31.5	2700	86		Ø496 x H134			>0.9	IP20	
NEW FCL63300v0	F63300SM+IP44	31.5	2700	86		Ø496 x H134			>0.9	IP44	
NEW FCL63300v0-ms	F63300SM-r+IP44	32.5	2700	83		Ø496 x H134			>0.9	IP44	

Emergency Option

FCL53600v0-em¹



220-240V

White (WH26)

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Power Factor (λ)	Materials
NEW FCL53600v0-em ¹	F53600SM	16.5	1100	67	110	Ø340 x H130	3000K / 4000K [Ra80]	25000	>0.7	Steel Housing with PMMA Diffuser

¹ Preliminary Data

¹ Please feedback to our Product and Marketing teams for countries with different building codes, fire regulations and requirements.

MEGAMAN® MARCO

Integrated LED Tracklight



Hybrid Reflector



330°



±90°

Up to
100
lm/W



Flicker
Free



>0.9



Product Features

- Integrated LED track-light in two lumen packages
- Understated design with built-in driver inside the cylindrical housing
- Combined with MEGAMAN® Hybrid Reflector technology, offers enhanced beam control, efficacy and excellent optics
- Optional accessories available including: honeycomb louver for improved glare control
- Applications: shop lighting, hotels, showrooms, restaurants, museums

NEW

NEW

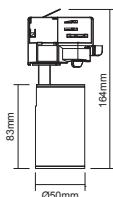
MEGAMAN® MARCO

Integrated LED Tracklight

FTK70000v0
FTA70000v0



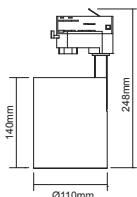
24° 36° 330° ±90° >0.9 Class II



FTK70100v0
FTA70100v0



24° 45° 330° ±90° >0.9 Class II

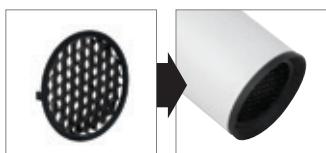


220-
240V

White (WH26) Silver (SV26) Black (BK24)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
NEW FTK70000v0	12	1000	83	24 / 36	Ø50 x H164	3000K / 4000K [>Ra80]	25000	>0.9	Aluminium
NEW FTA70000v0	12	1000	83	24 / 36	Ø50 x H164		25000		
NEW FTK70100v0	45	4100 [3000K] 4500 [4000K]	91 [3000K] 100 [4000K]	25 / 45	Ø110 x H248		50000		
NEW FTA70100v0	45	4100 [3000K] 4500 [4000K]	91 [3000K] 100 [4000K]	25 / 45	Ø110 x H248		50000		

Accessory



Honeycomb louver for better glare control (optional)

MEGAMAN® MODENA

LED Tracklight



Product Features

- Upgraded with MEGAMAN® Hybrid Reflector technology, offers 100W metal halide replacement with enhanced beam control, efficacy and excellent optics
- A wide range of LED track lights that offer excellent lighting performance and can be used to replace 20W up to 100W metal halide
- Additional features available: Perfect White, Dimming options and RichColour to enhance lighting schemes
- Applications: from subtle to high power accent lighting for shop lighting, hotels, showrooms, restaurants, museums



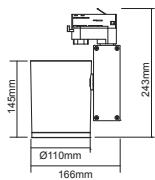
NEW

220-
240V

White (WH26) Silver (SV26) Black (BK24)

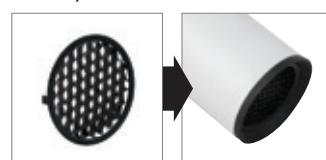
Integrated Version

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
FTK70200v0	70	6300 [3000K] 6500 [4000K]	90 [3000K] 93 [4000K]	25 / 45	Ø110 x L166 x H243	3000K / 4000K [>Ra80]	50000	>0.9	Aluminium
FTA70200v0									



Preliminary Data

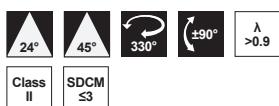
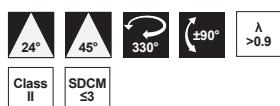
Accessory for FTK70200v0 and FTA70200v0



Honeycomb louver for better glare control (optional)

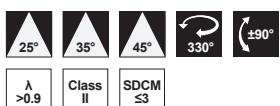
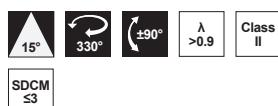
MEGAMAN® MODENA

LED Tracklight

FTK25349v0
FTK25349v0-pwClass II
SDCM ≤3FTK28049v0
FTK28049v0-pwClass II
SDCM ≤3

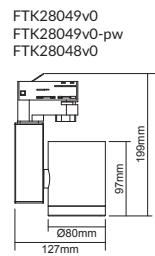
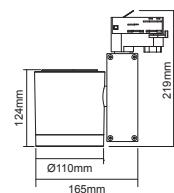
FTK25343v0

FTK25348v0

λ >0.9
Class II
SDCM ≤3

SDCM ≤3

FTK28048v0

FTK25349v0
FTK25349v0-pw
FTK25343v0
FTK25348v0

Different reflectors options available

For FTK25343v0:
LA3102 - 25° Reflector
LA3103 - 35° Reflector
LA3104 - 45° ReflectorFor FTK28048v0:
LA3106 - 25° Reflector
LA3125 - 35° Reflector
LA3126 - 45° ReflectorFor FTK28049v0 /
FTK28049v0-pw:
LA3125 - 25° Reflector
LA3126 - 35° Reflector
LA3127 - 45° ReflectorClass II
SDCM ≤3

Working with TECOH® RDx

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Light Source	Power Factor (λ)	Materials
FTK25349v0	F25349TK	55	4100 [3000K] 4500 [4000K]	75 [3000K] 82 [4000K]	25 / 45	13000 [25°] 7500 [45°]	Ø110 x L165 x H219	3000K / 4000K [>Ra82]	50000	Dimmable ¹	RDx RD0343M with input current 1400mA	>0.9	Aluminium
FTK25349v0-pw	F25349TK-p	53	3100 [3000K]	58 [3000K]		12000 [25°] 6000 [45°]	Ø110 x L165 x H219	3000K / 4000K [>Ra82]			RDx RD0343M-p with input current 1050mA		
FTK28049v0	F28049TK	27	2200 [3000K] 2400 [4000K]	81 [3000K] 89 [4000K]		11000 [25°] 4000 [45°]	Ø80 x L127 x H199	3000K / 4000K [>Ra82]			RDx RD0231M with input current 700mA		
FTK28049v0-pw	F28049TK-p	29	1650 [3000K]	57 [3000K]		5300 [25°] 3800 [45°]	Ø80 x L127 x H199	3000K [>Ra82]			RDx RD0231M-p with input current 700mA		



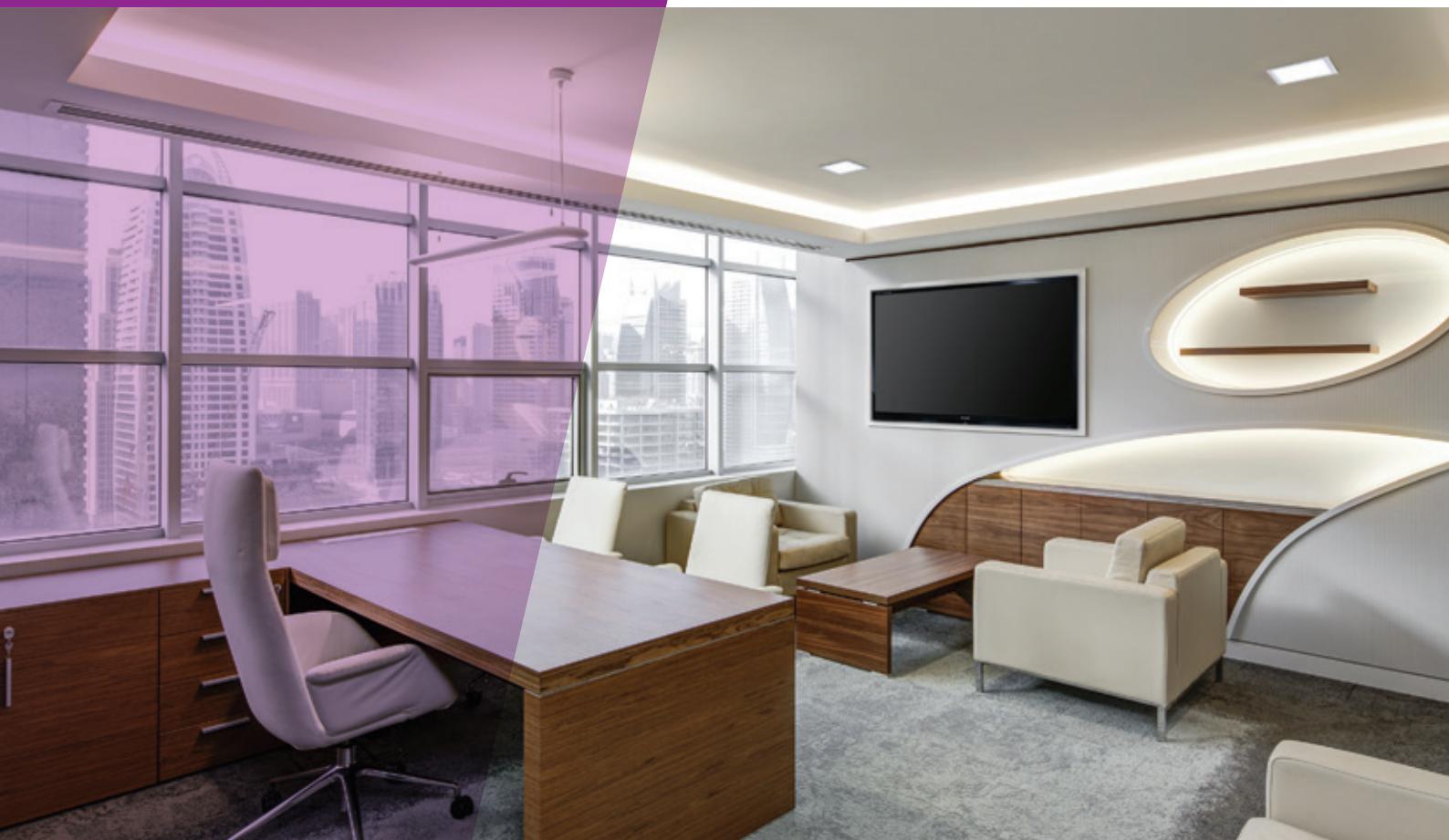
Working with TECOH® MHx

New Model No.	Old Model No.	Max. Wattage (W)	Dimension (mm)	Light Source	Materials
FTK25343v0	F25343TK	28	Ø110 x L165 x H219	TECOH® MHx MH0130 with input current 700mA	Aluminium
FTK25348v0	F25348TK	19	Ø110 x L165 x H219	TECOH® MHx MH0219 with input current 500mA	
FTK28048v0	F28048TK	19	Ø80 x L127 x H199	TECOH® MHx MH0219 with input current 500mA	

¹ 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.

MEGAMAN® ZITA

Semi-recessed Ceiling Lamp



Ceiling lamp with semi-recessed rear Junction Box (J-box) mounting



Ultra Slim Profile



Excellent
Glare
Control

UGR
 ≤ 22

IP44

$\lambda >0.9$

25000
hrs

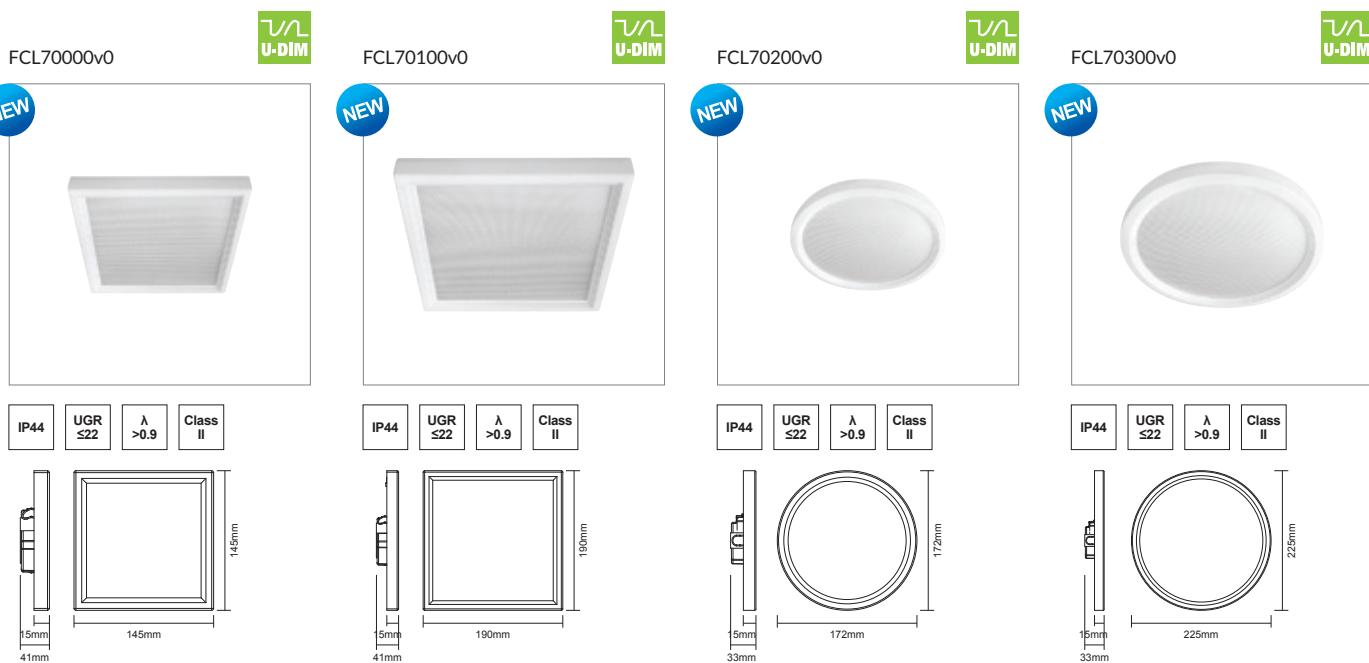


Product Features

- Uses existing wiring boxes for low installation cost on solid surfaces
- Mounting holes compatible with junction boxes in different countries
- Also suitable for recessed ceiling mounting with very limited recess depth
- Excellent glare control achieved by edge-lit light guide with micro prismatic diffuser
- Architecturally pleasing due to its extremely low profile
- Compact design and light weight for easy installation and maintenance
- MEGAMAN® U-DIM™ feature means its compatible with both leading-edge and trailing-edge dimmers for 100-5% linear dimming on the widest possible range of existing dimmers
- Applications: solid ceiling surfaces with existing wiring boxes such as stairwells, storerooms or service areas and limited depth recessed ceilings in all areas

MEGAMAN® ZITA

Semi-recessed Ceiling Lamp



220-240V

 White Silver

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Power Factor (λ)
NEW FCL70000v0 U-DIM	17	1560	92	110	L145 x W145 x H41 (H ₂ : 15)	2800K / 4000K [>Ra80]	25000	>0.9
NEW FCL70100v0 U-DIM	22	2000	91		L190 x W190 x H41 (H ₂ : 15)			
NEW FCL70200v0 U-DIM	17	1560	92		Ø172 x H33 (H ₂ : 15)			
NEW FCL70300v0 U-DIM	22	2000	91		Ø225 x H33 (H ₂ : 15)			

H₂ refers to thickness of MEGAMAN® ZITA using below ceiling
Preliminary Data

MEGAMAN® SIENA 2.5" CoverPlus

Integrated LED Downlight use
directly under Thermal Insulation



Can be mounted directly in insulated ceilings
without any recess box to prevent contact with
thermal insulation



Product Features

- MEGAMAN® SIENA 2.5" CoverPlus can be covered by thermal insulation material while maintaining a life time of 25,000 hours at an ambient temperature 25°C
- Suitable for mounting in any suspended or plasterboard ceiling
- Both fire safety and thermal efficiency of the ceiling can be achieved
- Low energy recessed downlight with integrated driver and built-in LED that facilitates easy installation and maintenance
- Ideal replacement for halogen MR16 and PAR16 downlights
- Designed with a height of only 55mm, making it ideal for limited recess depths
- Multi-directional tilting angle allows adjustment after installation
- MEGAMAN® U-DIM™ feature means its compatible with both leading-edge and trailing-edge dimmers for 100-5% linear dimming on the widest possible range of existing dimmers
- Applications: retail, hotels, restaurants, offices, bathrooms and kitchens

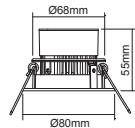
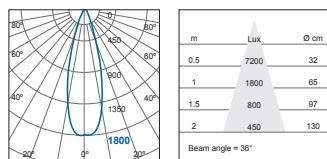
MEGAMAN® SIENA 2.5" CoverPlus

Integrated LED Downlight use directly under Thermal Insulation

FDS28100v2-dm



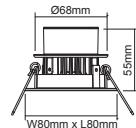
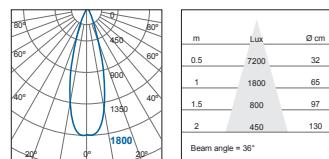
NEW



FDS29500v2-dm



NEW



220-240V

White (WH26) Silver (SV26) Brushed Nickel (NI53)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-out (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
NEW FDS28100v2-dm	6	500	83	36	Ø80 x H55	Ø68	2800K / 4000K [Ra80]	50000 [25000 ¹]	>0.85	Metal housing with optical reflector
NEW FDS29500v2-dm					L80 x W80 x H55					

Preliminary Data

¹ The rated life is 25000hrs when the luminaire uses directly under thermal insulation.

MEGAMAN® SIENA

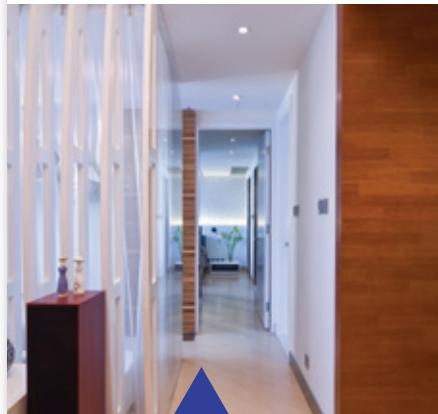
Integrated LED Downlight

Economy Series

MEGAMAN® SIENA
(Diffuser)



Up to 76 lm/W	25000hrs	Through Wire Looping
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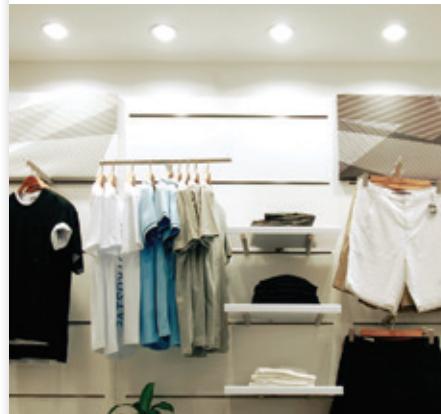


Professional Series

MEGAMAN® SIENA SR
(Specular Reflector)



Up to 106 lm/W	50000hrs	Through Wire Looping	Up to 25°
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MEGAMAN® SIENA FR
(Facet Reflector)



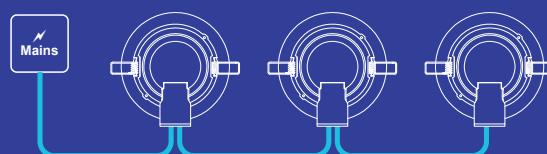
Up to 106 lm/W	50000hrs	Through Wire Looping	Up to 25°
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Product Upgrade



Tool-less terminal box facilitates easy installation and maintenance



Through wire looping



Surface Mount Kit

The surface mount kit for MEGAMAN® SIENA in 6" and 8" for the surface mount installation.

6" Surface Mount Kit: LA10017
8" Surface Mount Kit: LA10020



Conduit
Connection
Box
LA10006

MEGAMAN® SIENA

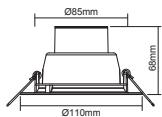
Integrated LED Downlight

FDS26000v0



3"

IP44 **Class II**

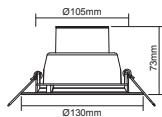


FDS26100v0



4"

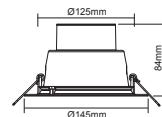
IP44 **Class II**

FDM26200v0 /
FDM26200v0-dm

5"

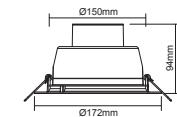
Dimming option available¹

IP44 **Class II**

FDL26300v0 /
FDL26300v0-dm

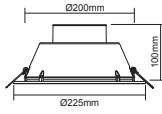
6"

IP44 **Class II**

FDL27100v1 /
FDL27100v1-dm

8"

IP44 **Class II**

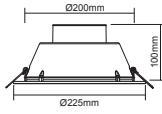


FDL28500v0



8"

IP44 **Class II**

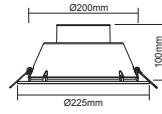


FDL27100v0



8"

IP44 **Class II** **High Output**



220-240V

White (WH26) Silver (SV26)

Economy Series

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Dimmable	Power Factor (λ)	Materials
FDS26000v0	F26000RC	5	350	70	90	Ø110 x H68	85	2800K / 4000K / 6500K [>Ra80]	25000	No	>0.9	Die cast aluminium trim with diffuser
FDM26100v0	F26100RC	7.5	550	73		Ø130 x H73	105			No		
FDM26200v0	F26200RC	12.5	950	76		Ø145 x H84	125			No		
FDM26200v0-dm	F26200RC-d	13	950	73		Ø145 x H84	125			100-10% ¹		
FDL26300v0	F26300RC	20.5	1560	76		Ø172 x H94	150			No		
FDL26300v0-dm	F26300RC-d	21.5	1560	73		Ø172 x H94	150			100-10% ¹		
FDL27100v1	F27100RCv1	20.5	1560	76		Ø255 x H100	200			No		
FDL27100v1-dm	F27100RCv1-d	21.5	1560	73		Ø255 x H100	200			100-10% ¹		
FDL28500v0	F28500RC	27	2000	74		Ø255 x H100	200			No		
FDL27100v0	High Output	35.5	2700	76		Ø255 x H100	200			No		

¹ Capable of linear dimming from 100% to 10% when working with most conventional dimmers.

MEGAMAN® SIENA SR

Integrated LED Downlight

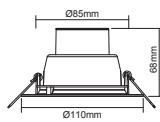
FDS53900v0



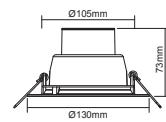
FDM54000v0

FDM54100v0
FDM54100v0-dmFDL54200v0
FDL54200v0-dm

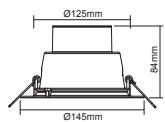
IP44 Class II UGR ≤22 β^1 Up to 25°



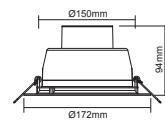
IP44 Class II UGR ≤22 β^1 Up to 25°



IP44 Class II UGR ≤22 β^1 Up to 25°



IP44 Class II UGR ≤22 β^1 Up to 25°



FDL54300v2



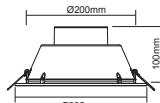
FDL54300v0



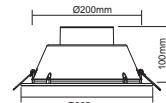
FDL54300v1



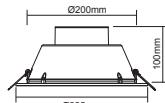
IP44 Class II β^1 Up to 25°



IP44 Class II β^1 Up to 25°



IP44 Class II β^1 Up to 25° High Output



220-240V

White (WH26) Silver (SV26)

Professional Series

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Power Factor (λ)	Materials
FDS53900v0	F53900RC	4	350	88	90	Ø110 x H68	85	2800K / 4000K / 6500K [Ra80]	50000	No	>0.7	Die cast aluminium trim with specular reflector
FDM54000v0	F54000RC	6	550	92		Ø130 x H73	105			No	>0.9	
FDM54100v0	F54100RC	9.5	950	100		Ø145 x H84	125			No	>0.9	
FDM54100v0-dm	F54100RC-d	10.5	950	90		Ø145 x H84	125			100-5% ¹	>0.9	
FDL54200v0	F54200RC	15.5	1560	101		Ø172 x H94	150			No	>0.9	
FDL54200v0-dm	F54200RC-d	16.5	1560	95		Ø172 x H94	150			100-5% ¹	>0.9	
FDL54300v2	F54300RCv2	15.5	1560	101		Ø255 x H100	200			No	>0.9	
FDL54300v0	F54300RC	19	2000	105		Ø255 x H100	200			No	>0.9	
FDL54300v1	F54300RCv1	25.5	2700	106		Ø255 x H100	200			No	>0.9	

¹ Capable of linear dimming from 100% to 10% when working with most conventional dimmers.

MEGAMAN® SIENA FR

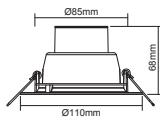
Integrated LED Downlight

FDS54400v0



3"

IP44 Class II UGR ≤22 Up to 25°

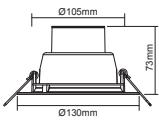


FDM54500v0



4"

IP44 Class II UGR ≤22 Up to 25°

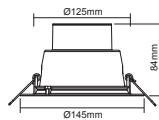


FDM54600v0
FDM54600v0-dm



5"

IP44 Class II UGR ≤22 Up to 25°

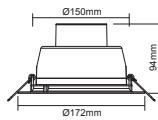


FDL54700v0
FDL54700v0-dm



6"

IP44 Class II UGR ≤22 Up to 25°

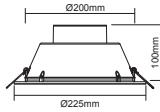


FDL54800v2



8"

IP44 Class II Up to 25°

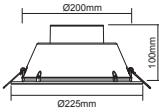


FDL54800v0



8"

IP44 Class II Up to 25°

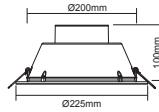


FDL54800v1



8"

IP44 Class II Up to 25°



220-240V

White (WH26) Silver (SV26)

Professional Series

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Power Factor (λ)	Materials
FDS54400v0	F54400RC	4	350	88	90	Ø110 x H68	85	2800K / 4000K / 6500K [>Ra80]	50000	No	>0.7	Die cast aluminium trim with facet reflector
FDM54500v0	F54500RC	6	550	92		Ø130 x H73	105			No	>0.9	
FDM54600v0	F54600RC	9.5	950	100		Ø145 x H84	125			No	>0.9	
FDM54600v0-dm	F54600RC-d	10.5	950	90		Ø145 x H84	125			100-5% ¹	>0.9	
FDL54700v0	F54700RC	15.5	1560	101		Ø172 x H94	150			No	>0.9	
FDL54700v0-dm	F54700RC-d	16.5	1560	95		Ø172 x H94	150			100-5% ¹	>0.9	
FDL54800v2	F54800RCV2	15.5	1560	101		Ø255 x H100	200			No	>0.9	
FDL54800v0	F54800RC	19	2000	105		Ø255 x H100	200			No	>0.9	
FDL54800v1	F54800RCV1	25.5	2700	106		Ø255 x H100	200			No	>0.9	

¹ Capable of linear dimming from 100% to 10% when working with most conventional dimmers.

MEGAMAN® SIENA FR | RichColour

Integrated LED Downlight

FDS54400v0-r9



FDM54500v0-r9



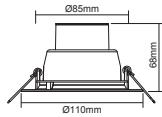
FDM54600v0-r9



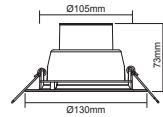
FDL54700v0-r9



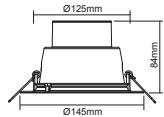
IP44 Class II UGR ≤22 $\theta \leq 25^\circ$ Ra92



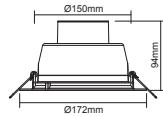
IP44 Class II UGR ≤22 $\theta \leq 25^\circ$ Ra92



IP44 Class II UGR ≤22 $\theta \leq 25^\circ$ Ra92



IP44 Class II UGR ≤22 $\theta \leq 25^\circ$ Ra92



FDL54800v2-r9



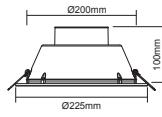
FDL54800v0-r9



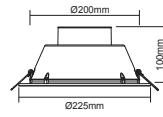
FDL54800v1-r9



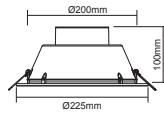
IP44 Class II $\theta \leq 25^\circ$ Ra92



IP44 Class II $\theta \leq 25^\circ$ Ra92



IP44 Class II $\theta \leq 25^\circ$ Ra92 High Output



220-240V

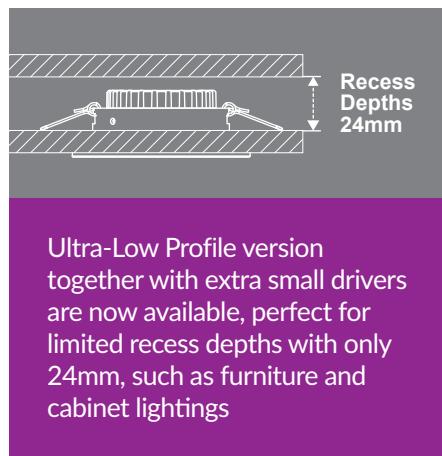
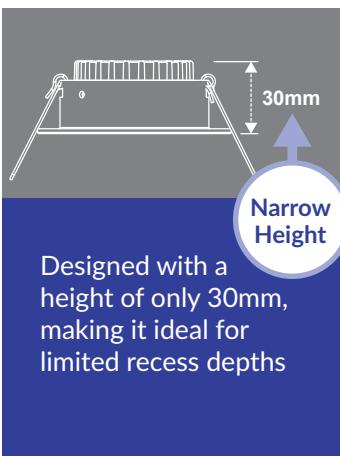
White (WH26) Silver (SV26)

Professional Series RichColour

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L70, B50 at Ta25°C (hrs)	Dimmable	Power Factor (λ)	Materials
FDS54400v0-r9 Ra92	F54400RC-R9	4	320	80	90	Ø110 x H68	85	2800K / 4000K / 6500K [>Ra92]	50000	No	>0.7	Die cast aluminium trim with facet reflector
FDM54500v0-r9 Ra92	F54500RC-R9	6	500	83		Ø130 x H73	105				>0.9	
FDM54600v0-r9 Ra92	F54600RC-R9	9.5	850	89		Ø145 x H84	125				>0.9	
FDL54700v0-r9 Ra92	F54700RC-R9	15.5	1400	90		Ø172 x H94	150				>0.9	
FDL54800v2-r9 Ra92	F54800RCv2-R9	15.5	1400	90		Ø225 x H100	200				>0.9	
FDL54800v0-r9 Ra92	F54800RC-R9	19	1800	95		Ø225 x H100	200				>0.9	
FDL54800v1-r9 Ra92 High Output	F54800RCv1-R9	25.5	2450	96		Ø225 x H100	200				>0.9	

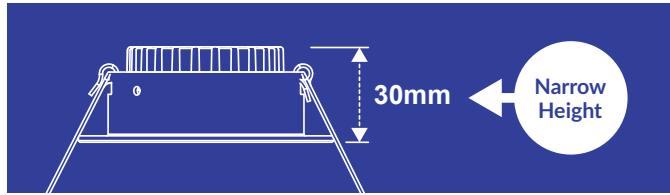
MEGAMAN® RICO HR

Ultra Slim LED Downlight

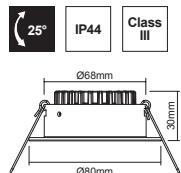


MEGAMAN® RICO HR

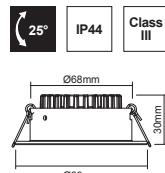
Ultra Slim LED Downlight



FDS53500v0-ex / FDS53500v0-r9/ex
FDS53500v0-dw/ex / FDS53500v2-ex



FDS62300v0-ex / FDS62300v0-r9/ex
FDS62300v0-dw/ex / FDS62300v2-ex



U-DIM™

Compatible with BOTH Leading-edge and Trailing-edge Conventional Dimmers for 100-5% Linear Dimming when MEGAMAN® RICO HR working with MEGAMAN® drivers LD0509x1d-C350 and LD0512x1d-C500



Standard Version

New Model No.	Old Model No.	Input Current (mA)	Nominal Voltage	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Materials	Suggested Driver
FDS53500v0-ex	F53500RC	350	DC16-21V	6.5	500	77	36	1100	Ø80 x H30	68	2800K / 4000K [>Ra80]	25000	Dimmable ²	Metal housing with hybrid reflector	LD0509x1d-C350
FDS53500v0-r9/ex Ra95	F53500RC-R9	350		6.5	430	66		950			2800K / 4000K [>Ra95]	25000	Dimmable ²		LD0509x1d-C350
FDS53500v0-dw/ex	F53500RC-w	350		6.5	500	77		1100			2800K-1800K [>Ra80]	25000	Dimmable ² (2800K-1800K)		LD0509x1d-C350
FDS53500v2-ex	F53500RCv2	500		9	900	100		2400			2800K / 4000K [>Ra80]	50000 ¹	Dimmable ²		LD0512x1d-C500



Ultra-Low Profile Version

New Model No.	Old Model No.	Input Current (mA)	Nominal Voltage	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Materials	Suggested Driver
FDS62300v0-ex	F62300RC	350	DC16-21V	6.5	500	77	36	1100	Ø80 x H30	68	2800K / 4000K [>Ra80]	25000	Dimmable ²	Metal housing with hybrid reflector	LD0509x1d-C350
FDS62300v0-r9/ex Ra95	F62300RC-R9	350		6.5	430	66		950			2800K / 4000K [>Ra95]	25000	Dimmable ²		LD0509x1d-C350
FDS62300v0-dw/ex	F62300RC-w	350		6.5	500	77		1100			2800K-1800K [>Ra80]	25000	Dimmable ² (2800K-1800K)		LD0509x1d-C350
FDS62300v2-ex	F62300RCv2	500		9	900	100		2400			2800K / 4000K [>Ra80]	50000 ¹	Dimmable ²		LD0512x1d-C500



External driver with output current and nominal voltage corresponding to the input current and nominal voltage of the luminaire is required.
For example, the external driver with output current of 350mA and nominal voltage of DC16-21V is required for FDS53500v0-ex.

¹ The rated life of FDS53500v2-ex and FDS62300v2-ex is 50000hrs at L70 B50 at Ta25°C

² Capable of linear dimming when working with DALI, DSI or 1-10V dimming drivers, and the dimming performance depends on the specification of driver.

MEGAMAN® ZEKI

Multi-head Gimbal Luminaire



**TECOH® THx
LED Light Engine**

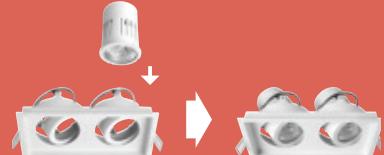
can be used in both
MEGAMAN® ABBY and
MEGAMAN® ZEKI Ø50

Modular heads designed with 1x, 2x and 3x heads with different optics available to cater for different combinations for flexible lighting design and easy stock management

MEGAMAN® ZEKI Ø111



MEGAMAN® ZEKI Ø50



MEGAMAN® ZEKI

Multi-head Gimbal Luminaire

FGB56353v0



FGB56453v0



FGB56553v0



45° IP23

30° IP23

30° IP23

White (WH26) Silver (SV26) Black (BK24)

ZEKI Ø111 Fitting

New Model No.	Old Model No.	Dimension (mm)	Height (mm)	Cut-Out (mm)	Materials
FGB56353v0	F56353RC	L176 x W176		L160 x W160	
FGB56453v0	F56453RC	L322 x W176	101 (TH0520 / TH0532)	L306 x W160	Die cast aluminium
FGB56553v0	F56553RC	L467 x W176		L452 x W160	

TH0520-15D / TH0520-24D / TH0520-45D



TH0532-24D / TH0532-45D / TH0532-60D



15° 24° 45°

24° 45° 60°

Accessory

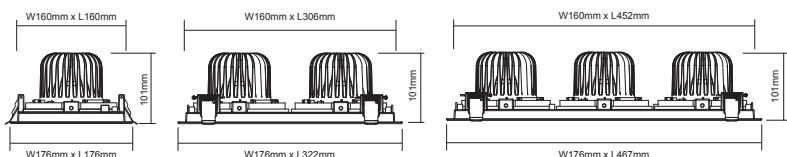


LA10023
Colour trim for TECOH® THx TH0520 and TH0532
(optional)

White (WH26)

LED Module

Model No.	Input Current (mA)	Nominal Voltage	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Luminous Flux in 90° Cone (lm)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B10 and Tc 85°C (hrs)	Energy Label	Suggested Driver	SDCM
TH0520-15D	700	DC34-39V	25	2000	80	1840	15	17800	Ø111 x H92	3000K / 4000K [>Ra80]	50000	A	LD0425x1-C700	≤5
TH0520-24D	700	DC34-39V	25	2000	80	1840	24	10200				A	LD0425x1-C700	
TH0520-45D	700	DC34-39V	25	2000	80	1840	45	4450				A	LD0425x1-C700	
TH0532-24D	1050	DC30-36V	35	3200	91	2940	24	16300				A+	LD0436x1-C1050	
TH0532-45D	1050	DC30-36V	35	3200	91	2940	45	7100				A+	LD0436x1-C1050	
TH0532-60D	1050	DC30-36V	35	3200	91	2940	60	4000				A+	LD0436x1-C1050	



Tilting angle of FGB56453v0 and FGB56553v0



When MEGAMAN® ZEKI Ø111 works with TECOH® THx LED modules, it is a Class II luminaire.
A dimming feature is available and performance can be enhanced by driver choice, please contact us for details.

MEGAMAN® ZEKI

Multi-head Gimbal Luminaire

FGB55752v0



(19°) IP23

FGB55852v0



(19°) IP23

FGB55952v0



(19°) IP23

White (WH26) Silver (SV26) Black (BK24)

ZEKI Ø50 Fitting

New Model No.	Old Model No.	Dimension (mm)	Height (mm)	Cut-Out (mm)	Materials
FGB55752v0	F55752RC	L89 x W89	80 (TH0205) 90 (TH0307 / TH0309)	L83 x W83	Die cast aluminium
FGB55852v0	F55852RC	L165 x W89		L159 x W83	
FGB55952v0	F55952RC	L242 x W89		L236 x W83	

TH0205-24D / TH0205-36D



24° 36°

TH0205d-24D / TH0205d-36D



36°

TH0205w-36D



24° 36°

TH0307-24D / TH0307-36D
TH0309-24D / TH0309-36D

24° 36°

Accessory



LA10024
Honeycomb louver for better
glare control (optional)

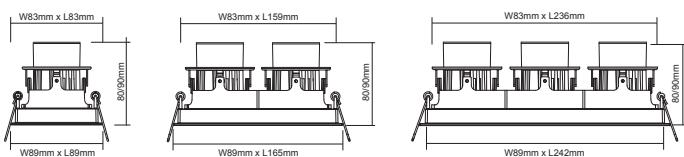


220-240V

White (WH26)

LED Light Engine

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Luminous Flux in 90° Cone (lm)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Dimmable	Power Factor (λ)	Energy Label	SDCM
TH0205-24D	7.5	500	67	460	24	3000	Ø50 x H65	2800K / 4000K [>Ra80]	25000	No	>0.7	A+	≤5
TH0205-36D	7.5	500	67	460	36	1100	Ø50 x H65	2800K / 4000K [>Ra80]		No	>0.7	A+	
TH0205d-24D	8	500	63	460	24	3000	Ø50 x H65	2800K / 4000K [>Ra80]		100-5%	>0.9	A	
TH0205d-36D	8	500	63	460	36	1100	Ø50 x H65	2800K / 4000K [>Ra80]		100-5%	>0.9	A	
TH0205w-36D	8	500	63	460	36	1100	Ø50 x H65	2800K - 1800K [>Ra80]		100-5% (2800K - 1800K)	>0.9	A	
TH0307-24D	8.5	700	82	640	24	4000	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	
TH0307-36D	8.5	700	82	640	36	1500	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	
TH0309-24D	10.5	900	86	830	24	5000	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	
TH0309-36D	10.5	900	86	830	36	1900	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	



When MEGAMAN® ZEKI Ø50 works with TECOH® THx LED light engines, it is a Class II luminaire.
TH0205d-24D, TH0205d-36D and TH0205w-36D with U-DIM™ feature are compatible with both leading-edge and trailing-edge dimmers for 100-5% linear dimming.

MEGAMAN® ABBY

Fixed and Wall Wash Pin-Hole
Downlights



Designed with modular heads and interchangeable trim to cater for different combinations of pin-hole and wall wash features, and easy stock management



MEGAMAN® ABBY

Fixed and Wall Wash Pin-Hole Downlights

FDS54952v0



IP23

FDS55052v0



(30°) IP23

White (WH26)
 Black (BK24)

Fitting

New Model No.	Old Model No.	Diameter (mm)	Height (mm)	Cut-Out (mm)	Materials
FDS54952v0	F54952RC	80	85 (TH0205) 95 (TH0307 / TH0309)	Ø68	Die cast aluminium
FDS55052v0	F55052RC				

TH0205-24D / TH0205-36D



24° 36°

TH0205d-24D / TH0205d-36D



36°

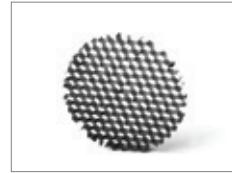
TH0205w-36D



24° 36°

TH0307-24D / TH0307-36D
TH0309-24D / TH0309-36D

24° 36°

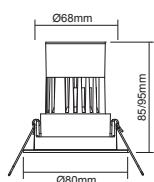
AccessoryLA10024
Honeycomb louver for better
glare control (optional)

220-240V

White (WH26)

LED Light Engine

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Luminous Flux in 90° Cone (lm)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Dimmable	Power Factor (λ)	Energy Label	SDCM
TH0205-24D	7.5	500	67	460	24	3000	Ø50 x H65	2800K / 4000K [>Ra80]	25000	No	>0.7	A+	≤5
TH0205-36D	7.5	500	67	460	36	1100	Ø50 x H65	2800K / 4000K [>Ra80]		No	>0.7	A+	
TH0205d-24D	8	500	63	460	24	3000	Ø50 x H65	2800K / 4000K [>Ra80]		100-5%	>0.9	A	
TH0205d-36D	8	500	63	460	36	1100	Ø50 x H65	2800K / 4000K [>Ra80]		100-5%	>0.9	A	
TH0205w-36D	8	500	63	460	36	1100	Ø50 x H65	2800K - 1800K [>Ra80]		100-5% (2800K - 1800K)	>0.9	A	
TH0307-24D	8.5	700	82	640	24	4000	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	
TH0307-36D	8.5	700	82	640	36	1500	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	
TH0309-24D	10.5	900	86	830	24	5000	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	
TH0309-36D	10.5	900	86	830	36	1900	Ø50 x H75	2800K / 4000K [>Ra80]		No	>0.9	A+	



When MEGAMAN® ABBY works with TECOH® THx LED light engines, it is a Class II luminaire.
TH0205d-24D, TH0205d-36D and TH0205w-36D with U-DIM™ feature are compatible with both leading-edge and trailing-edge dimmers for 100-5% linear dimming.

MEGAMAN® DINO 2

Integrated Waterproof LED Batten



Product Features

- One piece structural design in plastic extrusion profile with IP66 protection, MEGAMAN® DINO 2 offers intrinsically superior protection against water and dust than conventional T5 and T8 outdoor waterproof battens
- Designed with a tough polycarbonate body with IK08 rating for vandal resistance
- Easy and flexible installation through sliding stainless steel clips. Enabling use of existing mounting holes to replace conventional light fittings
- High lumen output of up to 6500lm
- Cable entries and through wiring allow for linear series connection
- MEGAMAN® DINO 2 is perfect for use in car parks, warehouses, workshops,

330°



Wide 330° exit window,
offers an even
light distribution



PIR Sensor



Preliminary Data

PIR Sensor Module for DINO 2

Designed with modular system, minimising storage and transportation costs



Master

Slave

Product Features

- Serves as master device to control up to 8pcs of 1.6m DINO 2 with one sensor module
- Up to 8m and 360° detection range with on/off control
- Lux level sensing and time delay setting available

MEGAMAN® DINO 2

Integrated Waterproof LED Batten

IP66 IK08 >0.9 Class II

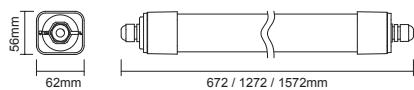


Silver (SV16)

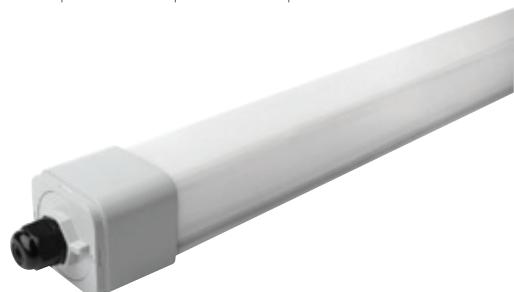
220-240V

Clear Prismatic Diffuser Options

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70, B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
FOB60900v0	F60900SM	19.5	1750 [3000K] 1800 [4000K]	90 [3000K] 92 [4000K]	110	L672 x W62 x H56	3000K / 4000K [Ra80]	50000	>0.9	Polycarbonate with clear prismatic diffuser
FOB61000v0	F61000SM	22.5	2250 [3000K] 2300 [4000K]	100 [3000K] 104 [4000K]		L1272 x W62 x H56				
FOB61000v1	F61000SMv1	41.5	4150 [3000K] 4300 [4000K]	100 [3000K] 104 [4000K]		L1272 x W62 x H56				
FOB61100v0	F61100SM	35	3500 [3000K] 3600 [4000K]	100 [3000K] 103 [4000K]		L1572 x W62 x H56				
FOB61100v1	F61100SMv1	63	6300 [3000K] 6500 [4000K]	100 [3000K] 103 [4000K]		L1572 x W62 x H56				



IP66 IK08 >0.9 Class II



Silver (SV16)

220-240V

Opal Prismatic Diffuser Options

New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70, B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
FOB61400v0	F61400SM	19.5	1750 [3000K] 1800 [4000K]	90 [3000K] 92 [4000K]	110	L672 x W62 x H56	3000K / 4000K [Ra80]	50000	>0.9	Polycarbonate with opal prismatic diffuser
FOB61500v0	F61500SM	22.5	2250 [3000K] 2300 [4000K]	100 [3000K] 104 [4000K]		L1272 x W62 x H56				
FOB61500v1	F61500SMv1	41.5	4150 [3000K] 4300 [4000K]	100 [3000K] 104 [4000K]		L1272 x W62 x H56				
FOB61600v0	F61600SM	35	3500 [3000K] 3600 [4000K]	100 [3000K] 103 [4000K]		L1572 x W62 x H56				
FOB61600v1	F61600SMv1	63	6300 [3000K] 6500 [4000K]	100 [3000K] 103 [4000K]		L1572 x W62 x H56				



Accessory



LA8020

Cover for concealing
two end cable glands
and power cable

Demo Kit



Permanent live version for emergency application is available.

MEGAMAN® FONDA

Integrated LED Outdoor Bulkhead



Product Features

- Available for wall or ceiling-mounting on solid surfaces such as concrete or brick
- Corrosion free polycarbonate enclosure
- Tamper-proof screw for housings - suitable for inaccessible areas, remote locations and security lighting
- MEGAMAN® FONDA with microwave motion sensor can serve as a master device to control others without sensor as slaves in a group
- UV resistant
- Applications: car parks, warehouses, stairwells, corridors and patios

Emergency Option

- Designed for emergency conversion to enable general lighting when mains supply is lost
- Built-in solution and light weight for easy installation and maintenance
- Allows a variety of emergency solutions for different countries¹
- Integrated rechargeable battery for up to 3 hours' illumination when supply is lost
- Applications: fire escape routes in all commercial installations, residential accommodation and transport terminals

¹ Please feedback to our Product and Marketing teams for countries with different building codes, fire regulations and requirements.

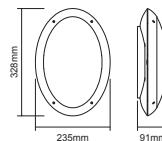
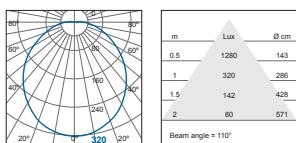
MEGAMAN® FONDA

Integrated LED Outdoor Bulkhead

FBH51300v0
FBH51300v0-ms



IP66 IK10 Class II

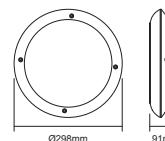
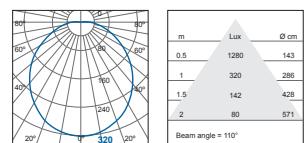


220-
240V

FBH51100v0
FBH51100v0-ms



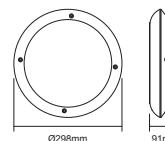
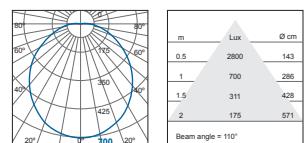
IP66 IK10 Class II



FBH51100v1
FBH51100v1-ms



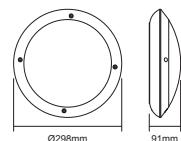
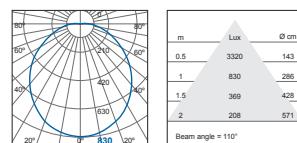
IP66 IK10 Class II



FBH51100v2
FBH51100v2-ms



IP66 IK10 Class II



White (WH12) Silver (SV15) (SV25)² Black (BK12)

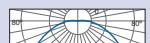
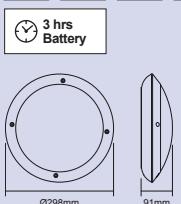
New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
FBH51300v0	F51300SM	10.5	800	76	110	L328 x W235 x H91	3000K / 4000K [Ra80]	25000	>0.9	Polycarbonate
FBH51300v0-ms	F51300SM-r	11.5	800	70		L328 x W235 x H91		25000	>0.7	
FBH51100v0	F51100SM	10.5	800	76		Ø298 x H91		25000	>0.9	
FBH51100v0-ms	F51100SM-r	11.5	800	70		Ø298 x H91		25000	>0.7	
NEW FBH51100v1 ¹	F51100SMv1 ¹	20	2000	100		Ø298 x H91		50000	>0.9	
NEW FBH51100v1-ms ¹	F51100SMv1-r ¹	21	2000	95		Ø298 x H91		50000	>0.7	
NEW FBH51100v2 ¹	F51100SMv2 ¹	23.5	2500	106		Ø298 x H91		50000	>0.9	
NEW FBH51100v2-ms ¹	F51100SMv2-r ¹	24.5	2500	102		Ø298 x H91		50000	>0.7	

Emergency Option

FBH51100v0-em³



IP66 IK10 $\lambda >0.9$ Class II



220-
240V

White (WH12) Silver (SV15) Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Power Factor (λ)	Materials
NEW FBH51100v0-em ³	12.5	800	64	110	Ø298 x H91	3000K / 4000K [Ra80]	25000	>0.9	Polycarbonate

¹ Preliminary Data

² SV25 is for MEGAMAN® FONDA with sensor

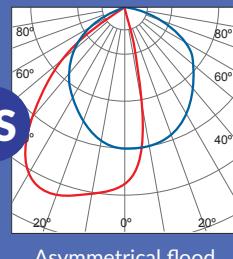
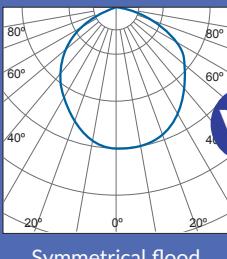
³ Please feedback to our Product and Marketing teams for countries with different building codes, fire regulations and requirements.

MEGAMAN® ENSIO

Outdoor Integrated LED Floodlight



Symmetric vs Asymmetric light distribution



VS

Up to
22000
lm

IP66

Up to
100
lm/W
(System)

IK08

±120°
50000
hrs



NEW

Product Features

- Ideal 250W and 400W metal halide lamp floodlight replacement
- Symmetric and asymmetric options for uniform lighting in all floodlighting applications
- Highly water and vandal resistant construction with IP66 and IK08 ratings for superior durability
- Integrated driver and built-in LED that facilitates easy installation and maintenance
- Unique LED louver optics for low glare and enhanced photometric control
- More than 50% energy savings compared to conventional high intensity discharge lamp floodlights
- Pre-treated and powder coated aluminum housing for protection against corrosion
- Slim and light weight to enable easy installation
- Operating temperature from -30°C to +50°C
- Perfect for outdoor floodlighting applications, such as signage, billboards, gated areas and façades

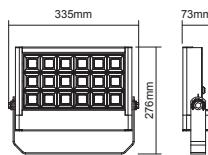
MEGAMAN® ENSIO

Outdoor Integrated LED Floodlight

FFL70000v0



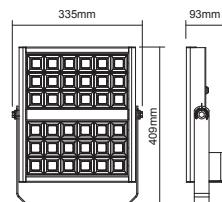
(±120°) IP66 IK08 >0.9 Class I



FFL70100v0



(±120°) IP66 IK08 >0.9 Class I

220-
240VBlack
(BK24)

	New Model No.	Old Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta50°C (hrs)	Power Factor (λ)	Optics	Materials
NEW	FFL70000v0	F59000SM	110	11000	100	110	L276 x W335 x H73	3000K / 4000K [Ra80]	50000	>0.9	Symmetric / Asymmetric	Die cast aluminium housing with tempered glass cover
NEW	FFL70100v0	F59100SM	220	22000			L409 x W335 x H93					

MEGAMAN® TOTT

Outdoor Integrated LED Floodlight



Product Features

- Integrated LED with built-in driver, three sizes (small, medium and large) with different lumen packages for various applications
- Strong polycarbonate rust free housing for vandal resistance and long service life
- Improved diffusor for superior glare control
- Adjustable arm for flexible tilting
- Slim and extra light weight
- Ideal cost competitive solution for the wholesale and DIY sales channels
- Applications: domestic security lighting, signage, billboards, gated areas and pillar facades



MEGAMAN® TOTT

Outdoor Integrated LED Floodlight

FFL70300v0



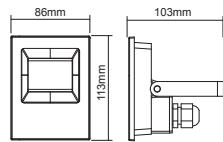
FFL70200v0



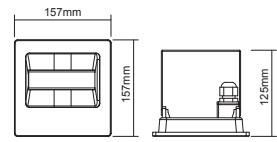
FFL70400v0



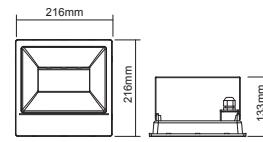
80° ±180° IP65 >0.9 Class I



100° ±180° IP65 >0.9 Class I



100° ±180° IP65 >0.9 Class I

220-
240V

Black
(BK23)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
NEW FFL70300v0	9.5	900	95	80	600	W86 x L113 x H103	3000K / 4000K [>Ra80]	35000	Polypropylene (PP)
NEW FFL70200v0	24	2300	96	100	1065	W157 x L157 x H125			
NEW FFL70400v0	45	4200	93	100	2000	W216 x L216 x H133			

MEGAMAN® LUSTER-LED

High Bay LED Pendant Luminaire



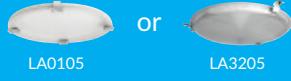
LED module with heat sink



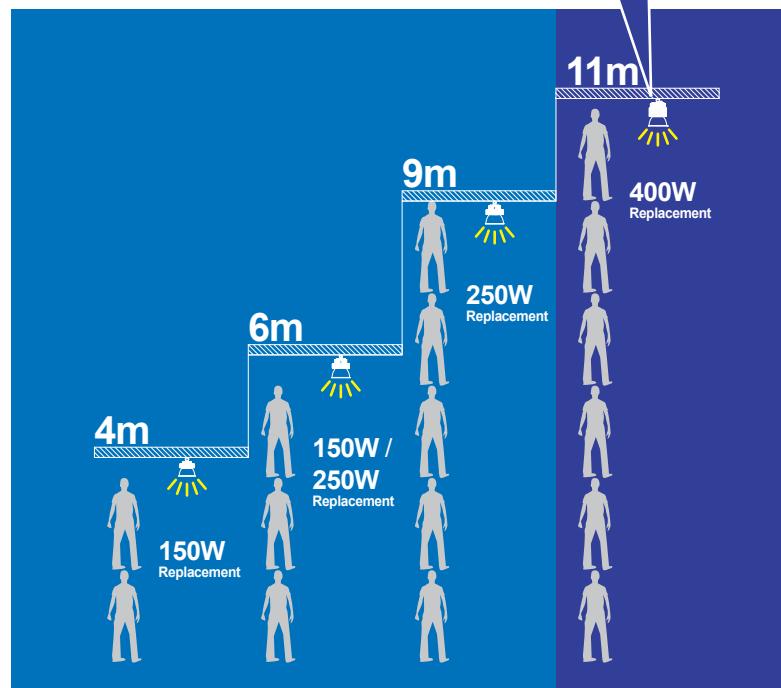
Reflector



Cover (optional)



The parts are interchangeable, minimising storage and transportation costs



MEGAMAN® LUSTER-LED

High Bay LED Pendant Luminaire

LED Module for MEGAMAN® LUSTER-LED**150W Metal Halide
Replacement Solution**LA3202
65W

4000K IP65

**250W Metal Halide
Replacement Solution**LA3203
110W

4000K IP65

**400W Metal Halide
Replacement Solution**LA3204
210W

4000K IP65

**Reflector for
MEGAMAN®
LUSTER-LED**LA3128
Aluminium reflector

Cover for aluminium reflector (optional)



LA0105

LA3202 + LA3128



LA3202 + LA3129



LA3203 + LA3128

LA3203 + LA3128



LA3204 + LA3128

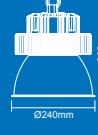
LA3204 + LA3128



LA3202 + LA3129



LA3203 + LA3129



LA3204 + LA3129

LA3129
Aluminium reflector

Cover for aluminium reflector (optional)



LA0105

LA3130
Plastic reflector

Cover for plastic reflector (optional)



LA3205

LA3202 + LA3130



LA3203 + LA3130



LA3204 + LA3130

220-
240VBlack
(BK24)

Model No. of LED Module + Reflector	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials	Reflector Colour	Model no. for Cover (Optional)
LA3202 + LA3128	65	7200	111	6200	Ø240 x H275	4000K [Ra80]	50000	>0.9	Aluminium housing and reflector	Silver	LA0105
LA3202 + LA3129	65	7200	111	4500	Ø240 x H275				Aluminium housing and reflector	Silver	LA0105
LA3202 + LA3130	65	7200	111	8500	Ø318 x H335				Aluminium housing and plastic reflector	Prismatic	LA3205
LA3203 + LA3128	110	11000	100	9500	Ø240 x H295				Aluminium housing and reflector	Silver	LA0105
LA3203 + LA3129	110	11000	100	6500	Ø240 x H295				Aluminium housing and reflector	Silver	LA0105
LA3203 + LA3130	110	11000	100	12000	Ø318 x H355				Aluminium housing and plastic reflector	Prismatic	LA3205
LA3204 + LA3128	210	21000	100	21000	Ø240 x H335				Aluminium housing and reflector	Silver	LA0105
LA3204 + LA3129	210	21000	100	14000	Ø240 x H335				Aluminium housing and reflector	Silver	LA0105
LA3204 + LA3130	210	21000	100	20000	Ø318 x H415				Aluminium housing and plastic reflector	Prismatic	LA3205

About MEGAMAN®

Who We Are

Artificial light enhances the way we live and work. It brings us safety, comfort and productivity. MEGAMAN® is committed to providing light in a way that is truly sustainable, energy-saving and of such a quality that it brings a positive difference into the lives of all who use the company's innovative LED lighting solutions.

MEGAMAN® is proud to be the only major brand to have exclusively manufactured low-energy lighting products throughout its entire history, offering more than 20 years of industry expertise and innovation to the lighting market.

Beginning in 1994 with the highly successful production of CFL light sources, MEGAMAN® has evolved to become a complete low-energy lighting solutions provider. MEGAMAN® has built a reputation for producing high-performance LED light sources that offer a true replacement for traditional metal halide and halogen – combining quality lighting performance with substantial energy savings.

MEGAMAN® is now applying its market-leading experience to an even wider range of lighting solutions including revolutionary Smart Lighting control, a full range of components and a suite of low-energy fixtures.

- The MEGAMAN® range now includes more than 400 high quality light sources;
- MEGAMAN® now offers smart lighting with INGENIUM® BLU and ZB – providing further energy saving potential by giving users full lighting control via their smart device;
- MEGAMAN® now offers a full suite of lighting solutions with the addition of several new fixture lines, for both indoor and outdoor applications;
- MEGAMAN®'s TECOH® light engine and module range provides low-energy serviceable solutions for fixture makers worldwide;
- MEGAMAN® operates in over 90 countries across Europe, Asia-Pacific, the Middle East, Africa, North and South America, the USA and Canada;
- Our advanced research and development facilities ensure a continuous supply of new and exciting energy-efficient lighting products come to market every year.

MEGAMAN® continues to play a lead role in combating climate change and carbon emissions by pursuing continuous innovation in the production of low-energy lighting solutions.



MEGAMAN® Milestones

2014	Launched first smart lighting range, INGENIUM® BLU Industry first full range of Dim to Warm LED products
2013	Integrated LED luminaires introduced
2012	Patented LED module - TECOH® MHx TECOH® CFx - World's first 2000lm Zhaga Book2 Certified Light Engine
2011	R9 technology introduced to LED range The first NVLAP lab certification for LED products
2010	Launched the first MEGAMAN® LED Candle and Classic International office for Professional Marketing opens in Europe
2009	Innovative Thermal Conductive Highway™ technology incorporated into MEGAMAN® LED reflectors NVLAP lab certification for CFL products
2008	Amalgam technology is employed in full CFL range
2007	DIMMABLE® technology introduced to CFL range
2005	DorS technology introduced to CFL range Industry first RoHS compliant CFL MEGAMAN® goes global, selling lamps in over 90 countries
2004	INGENIUM® technology is introduced to CFL lamps for long life and short preheating time
2002	Industry first CFL GU10 reflector launched Introduced Silicone Protection technology to CFL range
1999	Patented Cooling-Tube technology introduced to CFL range
1997	Industry first candle-shaped CFL
1996	Industry first classic-shaped CFL
1994	MEGAMAN® incorporated

Rigorous Quality and Management Systems

All MEGAMAN® products are designed, tested and produced in our own factories in Xiamen, China. Standards have been implemented factory-wide to ensure the MEGAMAN® manufacturing processes deliver innovative, reliable and safe products with high-quality standards now and in the future.

To ensure that MEGAMAN® products comply with the highest quality standards, company manufacturing plants are equipped with their own assembly lines. The in-house laboratory is ISO 17025 certified by CNAS and NVLAP, and is eligible to perform on-site testing for Intertek, TÜV Rheinland, UL and Energy Star.

The MEGAMAN® business runs under the most stringent management and quality systems. The green elements of the production process are maximised, employee welfare is prioritised and the company is socially responsible to the local community. To continually develop these areas, MEGAMAN® has undertaken a range of international accreditations. These include:

Quality Management System

MEGAMAN® products are manufactured and certified to ISO 9001:2008, ISO 14001:2004, ISO 14064-1:2006, OHSAS 18001:2007, SA 8000:2008 and QC 080000:2012.

Corporate Social Responsibility

MEGAMAN® has received OHSAS 18001:2007 and SA 8000:2008, confirming the level of care for employees and reinforcing the company's pledge to be socially responsible.

Controlling the Use of Hazardous Substances

MEGAMAN® plants are QC 080000 certified, underlining the fact that company manufacturing processes are closely monitored to ensure ultimate control of hazardous substances.



Product Quality Assurance

MEGAMAN® products are made using premium quality materials and innovative technologies within stringent control measures, to deliver maximum performance and energy efficiencies.



Innovative and Unique Products

With our patented LED design and technology, the MEGAMAN® LED products are able to deliver superb performance, including low power consumption, excellent light output and low maintenance costs. They provide the highest quality lighting performance of any LED based product on the market consuming the same power!

A new era in LED lighting solutions.

Unique Features

- Energy efficient replacement for traditional metal halide, CFL, halogen and incandescent lamps
- Deliver superb lighting performance
- High luminous efficacy up to 177lm/W
- High lumen maintenance: rated lumen maintenance of 70% (L70) at up to 50,000 hours life
- Long rated life up to 50,000 hours
- High colour rendering up to Ra95
- High colour temperature consistency
- Different colour temperature options of Mellotone, Warm White, Cool White and Brilliant Tone
- Options of different beam angles for the LED Reflector range
- Up to 91% energy savings
- Simple installation and servicing
- No UV and IR radiation

Additional Benefits

- Mercury-free
- Instant start-up
- Wide range of operating temperatures

Applications

- Boutiques / Shops
- Shopping Malls
- Hotels / Restaurants / Lounges
- Museums
- Galleries
- Offices
- Household



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Please refer to website for the most updated information.

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