

Architectural downlight to replace MR16

With a maximum delivered output of 925lm, this extensive range of architectural downlights provides performance that exceeds a 50W MR16 fixture whilst offering an aesthetic and dimensional replacement.



- 55lm/cW in same form factor as halogen downlight
- Micro and Micro RGBW versions available

- Outputs up to 925lm
- Up to 77.1m/cW



Laser Adjustable

Adjustable downlight

Die-cast construction

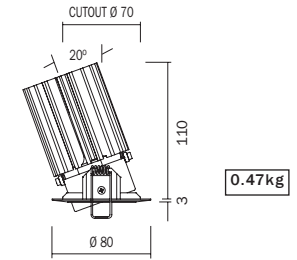
20° tilt adjustment



Finishes: MW

Beams: 12° / 22° / 32° / 50°

Light Engines: TN1-550 / MC1-630 / MC1-810 / VS1-1000

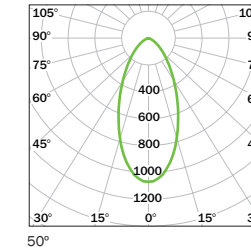
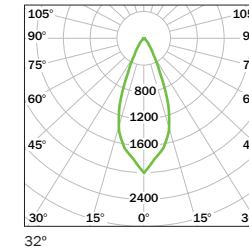
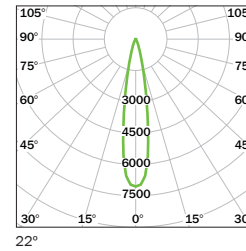


Order Codes:

e.g. LR-A1-MW/TN1-550-80-30/32

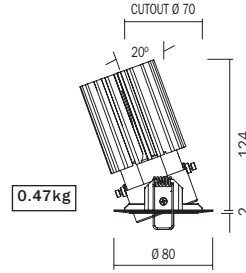
* To special order minimum quantity

Product	Finish	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-A1	-MW	/TN1-550	-80	-30 -40 -27* -65*	/12 /32 /50
		/MC1-630	-80	-30 -40 -27* -65*	/22 /32 /50
		/MC1-810	-80	-30 -40 -27* -65*	/22 /32 /50
		/VS1-1000	-80	-30 -27* -40* -65*	/22 /32 /50



Performance Data for LR-A1 with each Light Engine Option

	Titan 550	Mercury 630	Mercury 810	Venus 1000
Illuminance Comparable to	35W MR16 / 50W GU10	35W MR16 / 50W GU10	50W MR16 / 50W GU10	75W MR16
Light Engine Power	6.2W	6.2W	9.5W	13.3W
LED Lumens (L ₁₀₀)	546lm	629lm	809lm	1034lm
Delivered Lumens (L ₁₀₀) @	12° 32° 50°	22° 32° 50°	22° 32° 50°	22° 32° 50°
2700K	431lm 421lm 421lm	496lm 485lm 485lm	638lm 623lm 623lm	816lm 797lm 797lm
3000K	459lm 448lm 448lm	528lm 515lm 515lm	679lm 663lm 663lm	868lm 848lm 848lm
4000K	488lm 477lm 477lm	562lm 549lm 549lm	723lm 706lm 706lm	925lm 903lm 903lm
VCCT				
Luminaire Power (85% efficient Driver @ 25°C ambient)	7W	7W	11W	16W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	59.1 / 62.9 / 66.9lm/cW	68.0 / 72.4 / 77.1lm/cW	57.4 / 61.1 / 65.1lm/cW	52.2 / 55.5 / 59.1lm/cW
Driver Table	C	C	D	E
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9



Laser Adjustable Darklight

Adjustable darklight

Darklight baffle
20° tilt adjustment

Finishes: MW

Beams: 12° / 22° / 32° / 50°

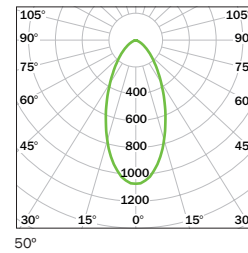
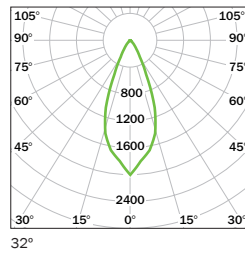
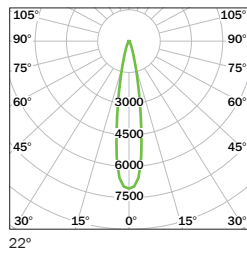
Light Engines: TN1-550 / MC1-630 / MC1-810 / VS1-1000

Order Codes:

e.g. LR-AD-MW/TN1-550-80-30/12

* To special order minimum quantity

Product	Finish	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-AD	-MW	/TN1-550	-80	-30 -40 -27* -65*	/12 /32 /50
		/MC1-630	-80	-30 -40 -27* -65*	/22 /32 /50
		/MC1-810	-80	-30 -40 -27* -65*	/22 /32 /50
		/VS1-1000	-80	-30 -27* -40* -65*	/22 /32 /50



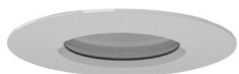
Performance Data for LR-AD with each Light Engine Option

	Titan 550	Mercury 630	Mercury 810	Venus 1000
Illuminance Comparable to	35W MR16 / 50W GU10	35W MR16 / 50W GU10	50W MR16 / 50W GU10	75W MR16
Light Engine Power	6.2W	6.2W	9.5W	13.3W
LED Lumens (L ₁₀₀)	546lm	629lm	809lm	1034lm
Delivered Lumens (L ₁₀₀) @	12° 32° 50°	22° 32° 50°	22° 32° 50°	22° 32° 50°
2700K	411lm 395lm 380lm	473lm 455lm 437lm	608lm 585lm 562lm	777lm 748lm 719lm
3000K	437lm 421lm 404lm	503lm 484lm 465lm	647lm 623lm 598lm	827lm 796lm 765lm
4000K	465lm 448lm 430lm	536lm 516lm 495lm	689lm 663lm 637lm	881lm 848lm 815lm
VCCT				
Luminaire Power (85% efficient Driver @ 25°C ambient)	7W	7W	11W	16W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	56.3 / 59.9 / 63.8lm/cW	64.8 / 68.9 / 73.4lm/cW	54.7 / 58.2 / 62.0lm/cW	49.7 / 52.8 / 56.3lm/cW
Driver Table	C	C	D	E
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9

Laser Fixed

Fixed downlight

Fixed architectural downlight

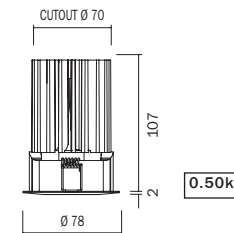


Finishes: MW

Options: EMERGENCY (+E)

Beams: 12° / 22° / 32° / 50°





Light Engines: TN1-550 / MC1-630 / MC1-810 / VS1-1000

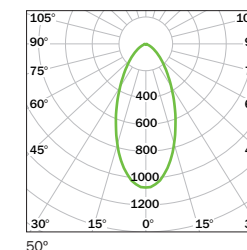
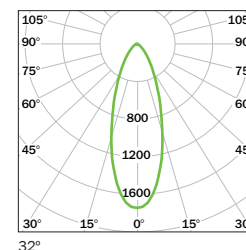
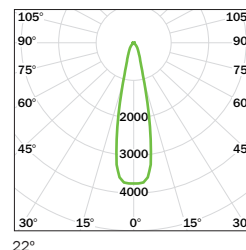


Order Codes:





e.g. LR-F1-MW/TN1-550-80-30/32

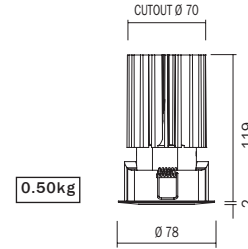
* To special order minimum quantity

Product	Finish	Option	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-F1	-MW	+E	 /TN1-550	-80	-30 -40 -27* -65*	/12 /32 /50
			 /MC1-630	-80	-30 -40 -27* -65*	/22 /32 /50
			 /MC1-810	-80	-30 -40 -27* -65*	/22 /32 /50
			 /VS1-1000	-80	-30 -27* -40* -65*	/22 /32 /50



Performance Data for LR-F1 with each Light Engine Option

	 Titan 550	 Mercury 630	 Mercury 810	 Venus 1000
Illuminance Comparable to	35W MR16 / 50W GU10	35W MR16 / 50W GU10	50W MR16 / 50W GU10	75W MR16
Light Engine Power	6.2W	6.2W	9.5W	13.3W
LED Lumens (L ₁₀₀)	546lm	629lm	809lm	1034lm
Delivered Lumens (L ₁₀₀) @	12° 32° 50°	22° 32° 50°	22° 32° 50°	22° 32° 50°
2700K	431lm 421lm 421lm	496lm 485lm 485lm	638lm 623lm 623lm	816lm 797lm 797lm
3000K	459lm 448lm 448lm	528lm 515lm 515lm	679lm 663lm 663lm	868lm 848lm 848lm
4000K	488lm 477lm 477lm	562lm 549lm 549lm	723lm 706lm 706lm	925lm 903lm 903lm
VCCT				
Luminaire Power (85% efficient Driver @ 25°C ambient)	7W	7W	11W	16W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	59.1 / 62.9 / 66.9lm/cW	68.0 / 72.4 / 77.1lm/cW	57.4 / 61.1 / 65.1lm/cW	52.2 / 55.5 / 59.1lm/cW
Driver Table	C	C	D	E
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9



Laser Fixed Darklight

Fixed darklight

Darklight baffle
Fixed architectural downlight

Finishes: MW

Option: EMERGENCY (+E)

Beams: 12° / 22° / 32° / 50°

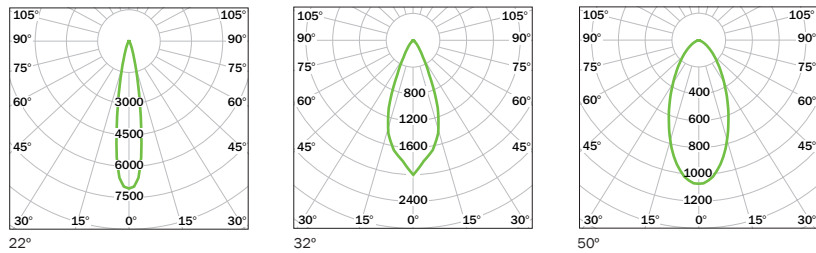
Light Engines: TN1-550 / MC1-630 / MC1-810 / VS1-1000

Order Codes:

e.g. LR-FD-MW/TN1-550-80-30/12

* To special order minimum quantity

Product	Finish	Option	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-FD	-MW	+E	/TN1-550	-80	-30 -40 -27* -65*	/12 /32 /50
			/MC1-630	-80	-30 -40 -27* -65*	/22 /32 /50
			/MC1-810	-80	-30 -40 -27* -65*	/22 /32 /50
			/VS1-1000	-80	-30 -27* -40* -65*	/22 /32 /50



Performance Data for LR-FD with each Light Engine Option

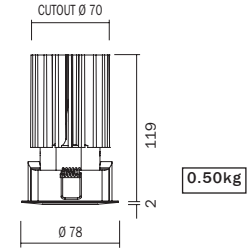
	Titan 550	Mercury 630	Mercury 810	Venus 1000
Illuminance Comparable to	35W MR16 / 50W GU10	35W MR16 / 50W GU10	50W MR16 / 50W GU10	75W MR16
Light Engine Power	6.2W	6.2W	9.5W	13.3W
LED Lumens (L ₁₀₀)	546lm	629lm	809lm	1034lm
Delivered Lumens (L ₁₀₀) @	12° 32° 50°	22° 32° 50°	22° 32° 50°	22° 32° 50°
2700K	411lm 395lm 308lm	473lm 455lm 437lm	608lm 585lm 562lm	777lm 748lm 719lm
3000K	437lm 421lm 404lm	503lm 484lm 465lm	647lm 623lm 598lm	827lm 796lm 765lm
4000K	465lm 448lm 403lm	536lm 516lm 495lm	689lm 663lm 637lm	881lm 848lm 815lm
VCCT				
Luminaire Power (85% efficient Driver @ 25°C ambient)	7W	7W	11W	16W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	56.3 / 59.9 / 63.8lm/cW	64.8 / 68.9 / 73.4lm/cW	54.7 / 58.2 / 62.0lm/cW	49.7 / 52.8 / 56.3lm/cW
Driver Table	C	C	D	E
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9

Laser Showerproof

Showerproof downlight

Compact showerproof downlight

Equivalent in size and output to MR16



Finishes: MW

Options: EMERGENCY (+E)

Beams: 12° / 22° / 32° / 50°

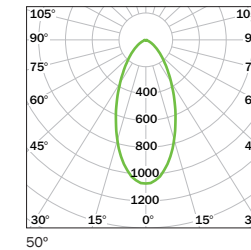
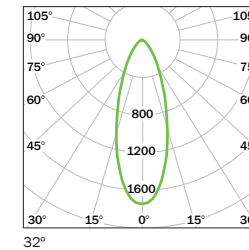
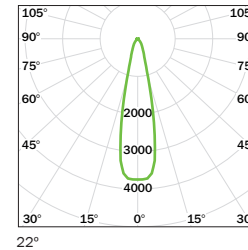
Light Engines: TN1-550 / MC1-630 / MC1-810 / VS1-1000

Order Codes:

e.g. LR-FS-MW/TN1-550-80-30/32

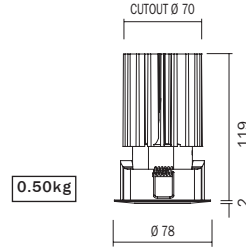
* To special order minimum quantity

Product	Finish	Option	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-FS	-MW	+E	/TN1-550	-80	-30 -40 -27* -65*	/12 /32 /50
			/MC1-630	-80	-30 -40 -27* -65*	/22 /32 /50
			/MC1-810	-80	-30 -40 -27* -65*	/22 /32 /50
			/VS1-1000	-80	-30 -27* -40* -65*	/22 /32 /50



Performance Data for LR-FS with each Light Engine Option

	Titan 550	Mercury 630	Mercury 810	Venus 1000
Illuminance Comparable to	35W MR16 / 50W GU10	35W MR16 / 50W GU10	50W MR16 / 50W GU10	75W MR16
Light Engine Power	6.2W	6.2W	9.5W	13.3W
LED Lumens (L ₁₀₀)	546lm	629lm	809lm	1034lm
Delivered Lumens (L ₁₀₀) @	12° 32° 50°	22° 32° 50°	22° 32° 50°	22° 32° 50°
2700K	426lm 416lm 416lm	490lm 479lm 479lm	631lm 616lm 616lm	806lm 787lm 787lm
3000K	453lm 443lm 443lm	522lm 509lm 509lm	671lm 655lm 655lm	858lm 837lm 837lm
4000K	483lm 471lm 471lm	556lm 542lm 542lm	715lm 697lm 697lm	914lm 892lm 892lm
VCCT				
Luminaire Power (85% efficient Driver @ 25°C ambient)	7W	7W	11W	16W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	58.4 / 62.2 / 66.2lm/cW	67.2 / 71.5 / 76.2lm/cW	56.7 / 60.4 / 64.3lm/cW	51.5 / 54.8 / 58.4lm/cW
Driver Table	C	C	D	E
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9



Laser Showerproof Darklight

Showerproof fixed darklight

Compact showerproof darklight
Equivalent in size and output to MR16
Low glare darklight baffle



Finishes: MW

Options: EMERGENCY (+E)

Beams: 12° / 22° / 32° / 50°

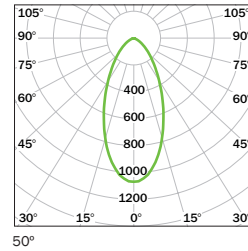
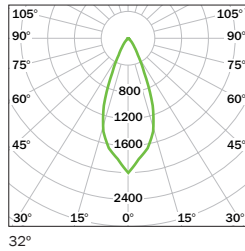
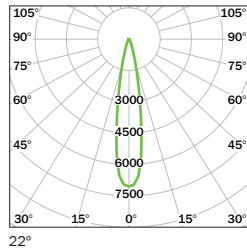
Light Engines: TN1-550 / MC1-630 / MC1-810 / VS1-1000

Order Codes:

e.g. LR-DS-MW/TN1-550-80-30/12

* To special order minimum quantity

Product	Finish	Option	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-DS	-MW	+E	/TN1-550	-80	-30 -40 -27* -65*	/12 /32 /50
			/MC1-630	-80	-30 -40 -27* -65*	/22 /32 /50
			/MC1-810	-80	-30 -40 -27* -65*	/22 /32 /50
			/VS1-1000	-80	-30 -27* -40* -65*	/22 /32 /50



Performance Data for LR-DS with each Light Engine Option

	Titan 550	Mercury 630	Mercury 810	Venus 1000
Illuminance Comparable to	35W MR16 / 50W GU10	35W MR16 / 50W GU10	50W MR16 / 50W GU10	75W MR16
Light Engine Power	6.2W	6.2W	9.5W	13.3W
LED Lumens (L ₁₀₀)	546lm	629lm	809lm	1034lm
Delivered Lumens (L ₁₀₀) @	12° 32° 50°	22° 32° 50°	22° 32° 50°	22° 32° 50°
2700K	406lm 390lm 375lm	467lm 449lm 431lm	600lm 578lm 555lm	768lm 738lm 709lm
3000K	432lm 415lm 399lm	497lm 478lm 459lm	639lm 614lm 590lm	817lm 786lm 755lm
4000K	459lm 442lm 424lm	529lm 509lm 489lm	608lm 654lm 629lm	870lm 837lm 804lm
VCCT				
Luminaire Power (85% efficient Driver @ 25°C ambient)	7W	7W	11W	16W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	55.6 / 59.2 / 63.0lm/cW	64.0 / 68.1 / 72.5lm/cW	54.0 / 57.5 / 61.2lm/cW	49.1 / 52.2 / 55.6lm/cW
Driver Table	C	C	D	E
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9

Laser Micro Adjustable

Small adjustable darklight

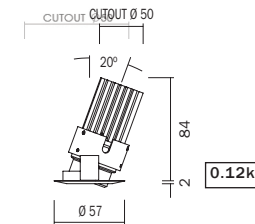
- Ultra compact architectural downlight
- Equivalent in size and output to MR11
- Low glare darklight baffle
- 15° tilt adjustment in 12mm ceiling



Finishes: MW

Beams: 20° / 31 x 39° / 32 / 55°




Light Engines: PT1-300 / PT1-390 / PR1-150

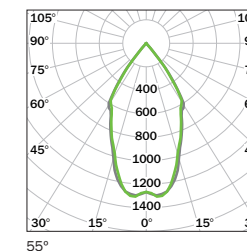
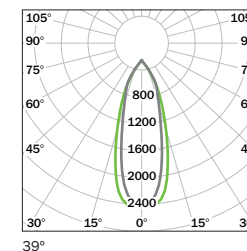
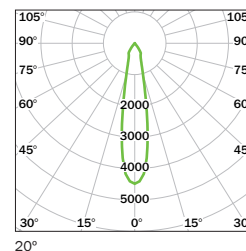


Order Codes:





e.g. LR-MA-MW/PT1-300-80-30/20

* To special order minimum quantity

Product	Finish	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-MA	-MW	 /PT1-300	-80	-30 -27* -40* -65*	/20 /39 /55
		 /PT1-390	-80	-30 -27* -40* -65*	/20 /39 /55
		 /PR1-150	-RG	-RG	/32



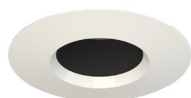
Performance Data for LR-MA with each Light Engine Option

	 Pluto 300	 Pluto 390	 Pictor 150 RGBW 
Illuminance Comparable to	20W GU10	35W GU10	-
Light Engine Power	4.4W	6.6W	4.4W
LED Lumens (L ₁₀₀)	298lm	387lm	154lm
Delivered Lumens (L ₁₀₀) @	20° 31 x 39° 55°	20° 31 x 39° 55°	32°
2700K	251lm 251lm 251lm	326lm 326lm 326lm	-
3000K	259lm 259lm 259lm	337lm 337lm 337lm	127lm
4000K	295lm 295lm 295lm	384lm 384lm 384lm	-
VCCT			
Luminaire Power (85% efficient Driver @ 25°C ambient)	5W	8W	5W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	48.5 / 50.0 / 57.0lm/cW	42.0 / 43.3 / 49.4lm/cW	- / 24.5 / - lm/cW
Driver Table	A	B	Controls
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9

Laser Micro Fixed Darklight

Small fixed darklight, IP20

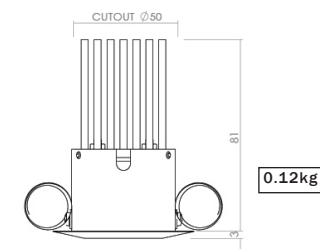
Ultra compact architectural downlight
Equivalent in size and output to MR11
Low glare darklight baffle



Finishes: MW

Beams: 20° / 31 x 39° / 32 / 55°




Light Engines: PT1-300 / PT1-390 / PR1-150

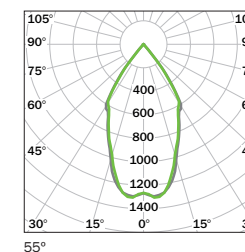
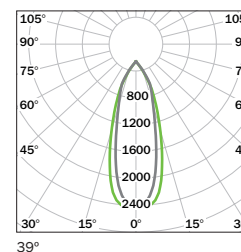
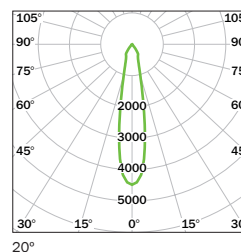


Order Codes:




e.g. LR-MD-MW/PT1-300-80-30/20

* To special order minimum quantity

Product	Finish	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-MD	-MW	 /PT1-300	-80	-30 -27* -40* -65*	/20 /39 /55
		 /PT1-390	-80	-30 -27* -40* -65*	/20 /39 /55
		 /PR1-150	-RG	-RG	/32



Performance Data for LR-MD with each Light Engine Option

	 Pluto 300	 Pluto 390	 Pictor 150 RGBW
Illuminance Comparable to	20W GU10	35W GU10	-
Light Engine Power	4.4W	6.6W	4.4W
LED Lumens (L ₁₀₀)	298lm	387lm	154lm
Delivered Lumens (L ₁₀₀) @	20° 31 x 39° 55°	20° 31 x 39° 55°	32°
2700K	251lm 251lm 251lm	326lm 326lm 326lm	-
3000K	259lm 259lm 259lm	337lm 337lm 337lm	127lm
4000K	295lm 295lm 295lm	384lm 384lm 384lm	-
VCCT			
Luminaire Power (85% efficient Driver @ 25°C ambient)	5W	8W	5W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	48.5 / 50.0 / 57.0lm/cW	42.0 / 43.3 / 49.4lm/cW	- / 24.5 / - lm/cW
Driver Table	A	B	Controls
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9

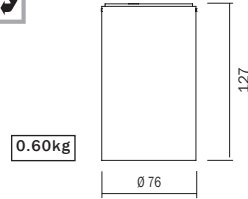


Finishes: MW / MB

Options: EMERGENCY (+E)

Beams: 12° / 22° / 32° / 50°

Light Engines: TN1-550 / MC1-630 / MC1-810



Laser Surface

Surface mounted downlight

Installation on the ceiling or on a conduit box with 50.8mm centres

Available in white or black finish

Remote driver

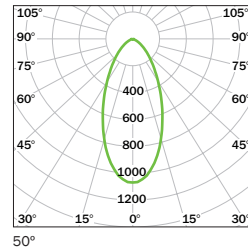
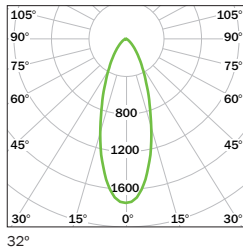
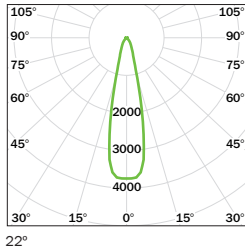
Can be installed on wood and other surfaces

Order Codes:

e.g. LR-SM-MW/TN1-550-80-30/12

* To special order minimum quantity

Product	Finish	Option	Light Engine-Lumens	Min CRI	Colour Temp	Beam
LR-SM	-MW -MB	+E	/TN1-550	-80	-30 -40 -27* -65*	/12 /32 /50
			/MC1-630	-80	-30 -40 -27* -65*	/22 /32 /50
			/MC1-810	-80	-30 -40 -27* -65*	/22 /32 /50



Performance Data for LR-SM with each Light Engine Option

	Titan 550	Mercury 630	Mercury 810
Illuminance Comparable to	35W MR16 / 50W GU10	35W MR16 / 50W GU10	50W MR16 / 50W GU10
Light Engine Power	7W	7W	11W
LED Lumens (L ₁₀₀)	546lm	629lm	809lm
Delivered Lumens (L ₁₀₀) @	12° 32° 50°	22° 32° 50°	22° 32° 50°
2700K	442lm 421lm 421lm	508lm 485lm 485lm	654lm 623lm 623lm
3000K	470lm 448lm 448lm	541lm 515lm 515lm	695lm 663lm 663lm
4000K	500lm 477lm 477lm	576lm 549lm 549lm	741lm 706lm 706lm
VCCT			
Luminaire Power (85% efficient Driver @ 25°C ambient)	7W	7W	11W
Luminaire Lumens per circuit Watt 2700K / 3000K / 4000K	60.6 / 64.4 / 68.5lm/cW	69.7 / 74.1 / 78.9lm/cW	58.8 / 62.5 / 66.6lm/cW
Driver Table	C	C	D
Lifetime (L ₇₀ F ₁₀)	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9