

MINIGRID IN



Listing
ETL certified to US and Canadian safety standards.

Warranty
5-year limited warranty.

The Snap-In principle equals modularity and flexibility at its best, it grants the opportunity to the lighting designer to use their creativity: combine single and double units, use multiple beam angles or play with color. Dividing a luminaire into multiple modular parts not only creates uniformity within one family, it also facilitates the installation by giving the installer the opportunity to place the frame in advance and click the modules into the frame later.

Specification	Single (S)				Double (2S)			
	SMALL TRIM		TRIMLESS		SMALL TRIM		TRIMLESS	
	SP	MP/HP	SP	MP/HP	SP	MP/HP	SP	MP/HP
LED Aperture (each):	1 ¹ / ₁₆ "	2 ³ / ₄ "	1 ¹ / ₁₆ "	2 ³ / ₄ "	1 ¹ / ₁₆ "	2 ³ / ₄ "	1 ¹ / ₁₆ "	2 ³ / ₄ "
Ceiling Cut-out:	4 ³ / ₈ " x 4 ³ / ₈ "		5 ¹ / ₈ " x 5 ¹ / ₈ "		8 ⁷ / ₁₆ " x 4 ³ / ₈ "		9 ¹ / ₁₆ " x 5 ¹ / ₈ "	
Ceiling Thickness:	Max. 1"							
Adjustability:	0-20°/ 350°	0-25°/ 355°	0-20°/ 350°	0-25°/ 355°	0-20°/ 350°	0-25°/ 355°	0-20°/ 350°	0-25°/ 355°
Rating:	IP20 (damp)							

Performance	Fixed CCT	Soft Dim
CRI / TM-30 (3000K):	90 / Rf: 90 / Rg: 99	90
McAdam Step:	2	2
LED Maintenance:	L90B10>50,000h	
*S/2S Std Power:	12W / 2 x 12W	12W / 2 x 12W
*S/2S Medium Power:	20W / 2 x 20W	
*S/2S High Power:	27W / 2 x 27W	

Delivered Lumens:	3000K			3000-1800K
**See page 3 for full details:	NS/MS	MD	WS	WS
Minigrid 86 S SP:	936	918	908	831
Minigrid 86 S HP:	2234	2263	2593	

Ordering

ALL BOXES MUST BE FILLED IN TO CORRECTLY ORDER

Example: MGR86S-SPWS35A-W-B-TLIATD1-120

Luminaire	Size	Shape	Power*	Optic**	CCT	Function	Finish	Inner Finish	Installation	Applications	Controls***	
MGR MINIGRID IN	86 86mm / 3 3/8" Snap-In Module	S Square 2S 2 x Squares	SP Standard Power	NS Narrow Spot 18°	27 2700K	A Adjustable	B Black	B Black	ST Recessed with small trim in white	IAT ^{2,3} New Construction IC Airtight	D1-120 0-10V dim 120V D1-277 0-10V dim 277V D1-347 347V (Canada) D8-120 ¹ FE ELV dim 120V	
				MD Medium Spot 33°	30 3000K			W White		INAT ^{2,3} New Construction IC Non Airtight		
				WS Medium Wide Spot 50°	35 3500K			TL Recessed with mud-in trimless kit		NAT ³ New Construction Non-IC Airtight		
				MP Medium Power	MS Medium Narrow Spot 20°					NPF New Construction Non-IC Plasterframe		
			HP High Power	MD Medium Spot 37°	W White		B Black					
				WS Medium Wide Spot 50°								
				SP Standard Power						WS Medium Wide Spot 45°		SD 3000- 1800K

¹ Only available for Power SP.

² Provided with UNV driver when using Controls D1.

³ Only available for Power MP & HP.

*** Contact factory for additional dimming options.

DELTALIGHT

www.deltalight.com

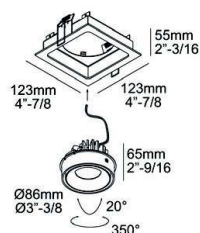


Related Products

Minigrid On 86 (surface), Minigrid 67 (recessed & surface)

Finish Options

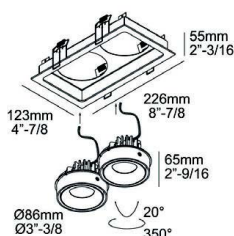
MINIGRID 86 S SP IN SMALL TRIM



BLACK-BLACK

BLACK-WHITE

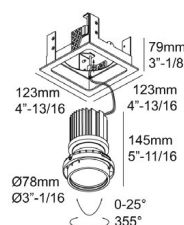
MINIGRID 86 2S SP IN SMALL TRIM



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BLACK-WHITE

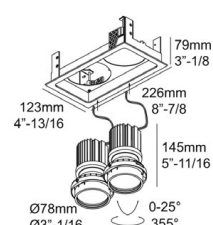
MINIGRID 86 S MP/HP IN SMALL TRIM



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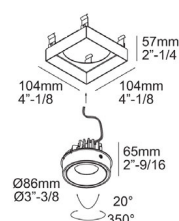
MINIGRID 86 2S MP/HP IN SMALL TRIM



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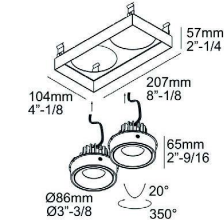
MINIGRID 86 S SP IN TRIMLESS



BLACK-BLACK

BLACK-WHITE

MINIGRID 86 2S SP IN TRIMLESS



BLACK-BLACK

BLACK-WHITE

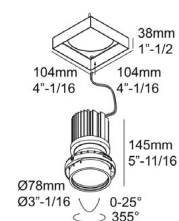
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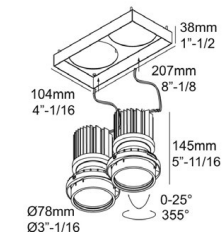
MINIGRID 86 S MP/HP IN TRIMLESS



BLACK-BLACK

BLACK-WHITE

MINIGRID 86 2S MP/HP IN TRIMLESS



BLACK-BLACK

BLACK-WHITE

WHITE-BLACK

WHITE-WHITE

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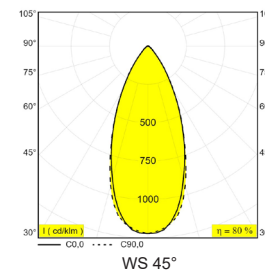
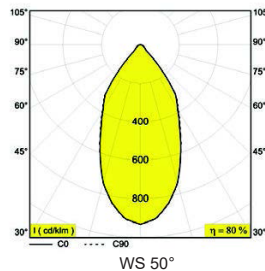
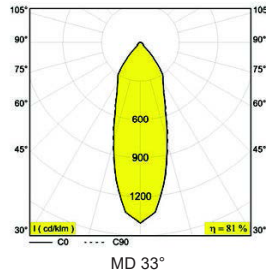
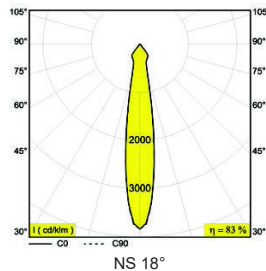
WHITE-WHITE

Photometric Data

Delivered Lumens:	2700K				3000K				3500K				3000-1800K
Optic:	NS	MS	WD	WS	NS	MS	WD	WS	NS	MS	WD	WS	WS
Minigrid 86 S SP:	898		882	871	936		918	908	965		947	939	831
Minigrid 86 2S SP:	1796		1764	1743	1871		1837	1815	1929		1894	1872	1663
Minigrid 86 S MP:		1538	1558	1748		1538	1629	1828		1538	1688	1894	
Minigrid 86 2S MP:		3076	3116	3496		3076	3259	3656		3076	3377	3789	
Minigrid 86 S HP:		2136	2164	2428		2136	2263	2539		2136	2345	2631	
Minigrid 86 2S HP:		4272	4329	4859		4272	4526	5078		4272	4690	5262	

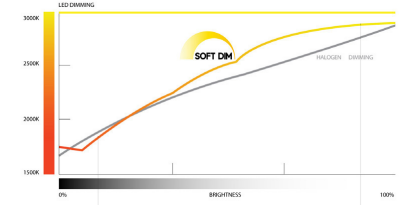
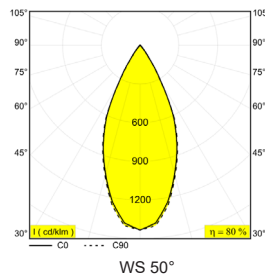
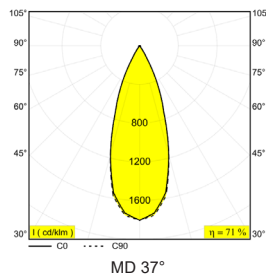
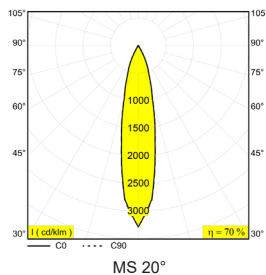
MINIGRID 86 SP

MINIGRID 86 SOFT DIM



Soft Dim technology replicates the dimming behavior of a conventional lamp where the color temperature increases in warmth as it is dimmed. This is achieved through the use of specially selected LEDs of different color temperatures and power types from premium chip manufacturers. Consistency is ensured without complexity with the use of specific and precise LED selection. The LED's selected have color tolerances that are higher than 2 SDCM ensuring module-to-module accuracy.

MINIGRID 86 MP/HP

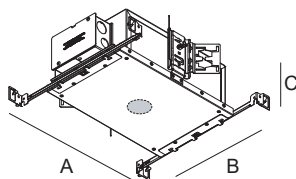


Installation Options

IC AIRTIGHT (With Shape S Power SP)

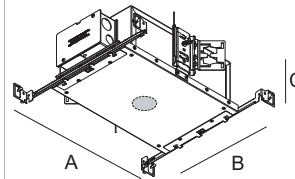
IC NON-AIRTIGHT (With Shape S Power SP)

S-SMALL:
A:15"-7/16 x B:8"-11/16 x C:5"
A:393mm x B:220mm x C:127mm



- Low Profile 5" Height
- New Construction Airtight
- For use in insulated ceiling
- Chicago Plenum
- ETL Listed
- Hangerbar expand to 26"- reduce to 14"-3/16
- Damp rated

S-SMALL:
A:15"-7/16 x B:8"-11/16 x C:5"
A:393mm x B:220mm x C:127mm

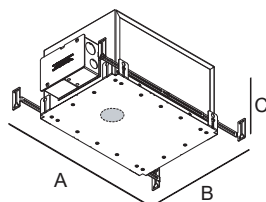


- Low Profile 5" Height
- New Construction Non-Airtight
- For use in insulated ceiling
- ETL Listed
- Hangerbar expand to 26"- reduce to 14"-3/16
- Damp rated

IC AIRTIGHT (With Shape 2S Power SP)

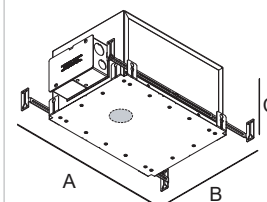
IC NON-AIRTIGHT (With Shape 2S Power SP)

M-Medium:
A:14"-1/4 x B:11"-1/16 x C:6"-7/8
A:362mm x B:281mm x C:174mm



- Medium Profile 6"-7/8 Height
- New Construction Airtight
- For use in insulated ceiling
- Chicago Plenum
- ETL Listed
- Hangerbar expand to 24"-23/32 or 15"-3/32 - reduce to 12"-23/32 or 9"-1/32
- Damp rated

M-Medium:
A:14"-1/4 x B:11"-1/16 x C:6"-7/8
A:362mm x B:281mm x C:174mm



- Medium Profile 6"-7/8 Height
- New Construction Non-Airtight
- For use in insulated ceiling
- ETL Listed
- Hangerbar expand to 24"-23/32 or 15"-3/32 - reduce to 12"-23/32 or 9"-1/32
- Damp rated



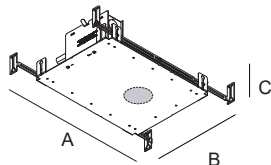
Installation Options (cont'd)

NON-IC PLASTERFRAME

S-SMALL:

A:12"-23/32 x B:11"-1/16 x C:5"

A:323mm x B:281mm x C:127mm



- Low Profile 5" Height
- New Construction
- For use in non-insulated ceiling
- ETL Listed
- Hangerbar expand to 24"-23/32 or 15"-3/32 - reduce to 12"-23/32 or 9"-1/32
- Damp rated
- Voltage dedicated (120V or 277V)

Driver Options

D1

- Dimming Control 0-10V
- Dimming Range 1-100%
- Dim to off yes at 0.8V, 1V, 1.2V, or N/A
- Power Factor @ Full Load >0.9 under 120Vac Input with 80~100% load condition (for all output currents)
- Efficiency @ Full Load ≥86
- THD @ Full Load <20% under 120Vac input with 80~100% load condition (for all output currents)

Dimmer Compatibility

- Leviton IP710-LFZ / IP710-DLX
- Lutron DDTV/DVSTV/DVSCTV/DVSCSTV

D1 (With Shape 2S)

- Dimming Control 0-10V
- Dimming Range 1-100%
- Dim to off yes at 0.7mA
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥87
- THD @ Full Load <20%
- Title 24 Compliant

Dimmer Compatibility

- Leviton IP710-DLZ
- Lutron DDTV-XX
- WattStopper ADF-120277
- Synergy Lighting Controls ISD BC

D8

- Dimming Control Phase Control
- Dimming Range 10-100%
- Dim to off no
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥80
- THD @ Full Load <5%

Dimmer Compatibility

- Leviton IPE04-1LZ
- Lutron DVELV-300P

D8 (With Shape 2S)

- Dimming Control Phase Control
- Dimming Range 20-100%
- Dim to off yes
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥80
- THD @ Full Load <10%

Dimmer Compatibility

- Leviton IPE04-1LZ
- Lutron DVELV-300P

As technology changes, please use information above as guidance. For most recent updated information please contact factory. Specifications subject to change without notice.