FRAGMA



Fragma uses the LED Caset® technology with multiple LEDs combined with individual lenses to create uniform and clean light effects. As so, no matter which size of Fragma is being used, each beam angle will have the same outcome. To change the beam angle of the Fragma, sheets with microlenses can be put in front of the luminaire. The thin sheets alter the way the light exits the luminaire, but do not change the visual appearance of the track spot. With Fragma Delta Light offers a complete lighting tool to the designer, as all versions have a range of light refining accessories and various dimming options.

Specification	
Adjustability:	Adjustable 0-190 / 355°
Rating:	IP20

Performance	
CRI / TM-30 (3000K):	90 / Rf: 92 / Rg: 99
McAdam Step:	3
LED Maintenance:	L80>150,000h
*Fragma S Low/Std Power:	9W / 12W
*Fragma M Std Power:	27W
*Fragma L Std Power:	44W

Delivered Lumens	3000K		
**See page 4 for full details	NS	MS	WS
Fragma S:	958	812	834
Fragma M:	2203	2010	1961
Fragma L:	3526	3257	3187

Listing
ETL certified to US and Canadian safety standards.

Warranty
5-year limited warranty.

Ordering
ALL BOXES MUST BE FILLED IN TO CORRECTLY ORDER

Example: FRGS-D8-120LPINC-NSH30A-B-TRK

Luminaire	Size	Controls***	Power*	Application	Optic	Accessories	CCT	Function	Finish	Installation
FRG FRAGMA	**S** 120mm / 4 3/4" Diameter 2 x 2 LED	**D8-120** FE ELV dim 120V	**LP** Low Power	**INC** Integral Power Supply	**NS** Narrow Spot 14°	**X** No Accessory	**30** 3000K	**A** Adjustable	**B** Black	**TRK**[1] Line voltage 3F track 120V
		D1-120 0-10V dim 120V	**SP** Standard Power			**H** Honeycomb	**35** 3500K		**W** White	
		DP-120 Potentiometer dim 120V				**L** Linear Spread	**40** 4000K			
		ND-120 Non dim 120V				**WW** Wallwash				
	M 140mm / 5 1/2" Diameter 3 x 3 LED	**D14-120** FE ELV dim 120V / 0-10V dim-120/277V				**S** Softening				
		DP-120 Potentiometer dim 120V				**R** Raster				
		ND-120 Non dim 120V				**F** Flaps				
	L 190mm / 7 1/2" Diameter 4 x 4 LED	**D14-120** FE ELV dim 120V / 0-10V dim-120/277V			**MS** Medium Narrow Spot 26°	**X** No Accessories				
		DP-120 Potentiometer dim 120V			**WS** Medium Wide Spot 47°					

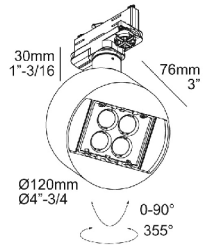
1 Track hardware specified separately.
*** CContact factory for Dali, DMX, or other dimming options.

Related Products

Frax (exterior)

Finish Options

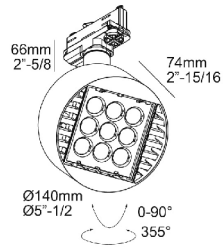
FRAGMA S




BLACK


WHITE

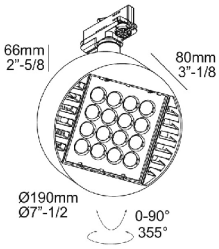
FRAGMA M




BLACK


WHITE

FRAGMA L

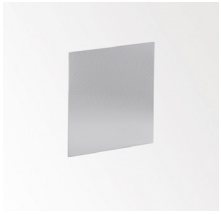



BLACK

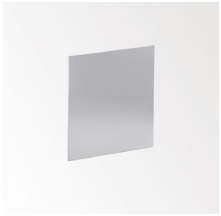

WHITE

Accessories

SOFTENING LENS



LINEAR SPREAD LENS



WALLWASH LENS



HONEYCOMB



RASTER

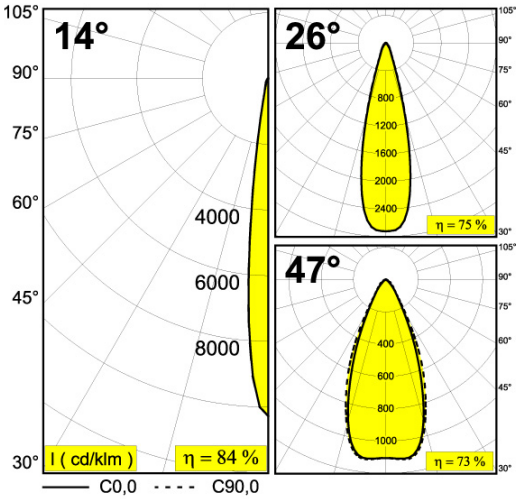


FLAPS



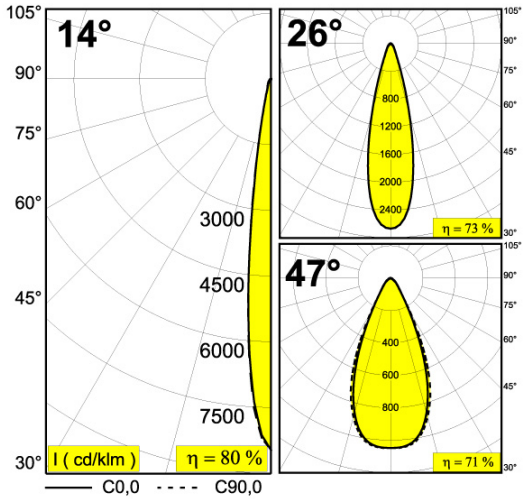
Photometric Data

FRAGMA S 14° / 26° / 47°



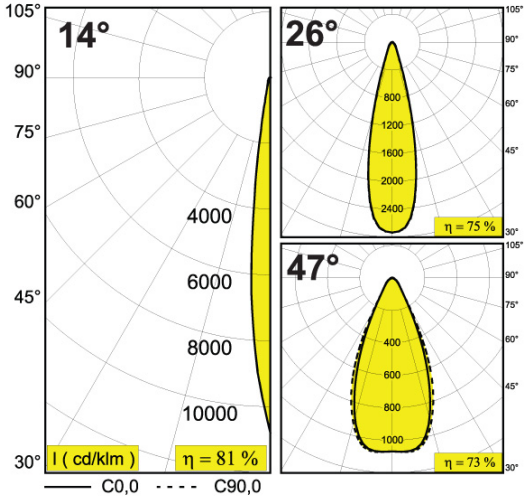
Delivered Lumens	3000K		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA S:	905	812	788
Honeycomb:	764		
Wall Wash Lens:	757		
Linear Spread Lens:	676		
Raster:	676		
Softening Lens:	666		
Delivered Lumens	**3500K**		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA S:	958	842	834
Honeycomb:	809		
Wall Wash Lens:	801		
Linear Spread Lens:	715		
Raster:	712		
Softening Lens:	713		
Delivered Lumens	**4000K**		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA S:	972	871	846
Honeycomb:	820		
Wall Wash Lens:	812		
Linear Spread Lens:	725		
Raster:	722		
Softening Lens:	715		

FRAGMA M 14° / 26° / 47°



Delivered Lumens	3000K		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA M:	1946	1775	1732
Honeycomb:	1617		
Wall Wash Lens:	1702		
Linear Spread Lens:	1476		
Raster:	1386		
Softening Lens:	1522		
Delivered Lumens	**3500K**		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA M:	2203	2010	1961
Honeycomb:	1831		
Wall Wash Lens:	1928		
Linear Spread Lens:	1672		
Raster:	1570		
Softening Lens:	1716		
Delivered Lumens	**4000K**		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA M:	2088	1905	1858
Honeycomb:	1736		
Wall Wash Lens:	1827		
Linear Spread Lens:	1584		
Raster:	1488		
Softening Lens:	1634		

FRAGMA L 14° / 26° / 47°



Delivered Lumens	3000K		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA L:	3056	3257	3187
Honeycomb:	3056		
Wall Wash Lens:	2733		
Linear Spread Lens:	2720		
Raster:	2720		
Softening Lens:	2720		
Delivered Lumens	**3500K**		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA L:	2340	3085	3019
Honeycomb:	2828		
Wall Wash Lens:	2895		
Linear Spread Lens:	2589		
Raster:	2436		
Softening Lens:	2589		
Delivered Lumens	**4000K**		
Optic:	NS 14°	MS 26°	WS 47°
FRAGMA L:	3629	3352	3280
Honeycomb:	3073		
Wall Wash Lens:	3145		
Linear Spread Lens:	2813		
Raster:	2646		
Softening Lens:	2813		

Driver Options

D1

- Dimming Control 0-10V
- Dimming Range 10-100%
- Dim to off no
- Power Factor @ Full Load >0.97
- Efficiency @ Full Load ≥87

Dimmer Compatibility

- Leviton IP710-DLZ
- Lutron DVTV-XX

D8 (For Size S only)

- 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 (For Size M and L only)

- Dimming Control Phase Control or 0-10V
- Dimming Range 1-100%
- Dim to off yes
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥90
- THD @ Full Load <20%

Dimmer Compatibility Phase

- Levition IP1I06-1LZ / 6631-2
- Lutron DVELV-303P / MAELV-600

Dimmer Compatibility 0-10V

- Levition IP710-DLZ
- Lutron DVTV-XX

D14

- Dimming Control Phase Control or -10V
- Dimming Range 1-100%
- Dim to off yes
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥90
- THD @ Full Load <20%

Dimmer Compatibility Phase

- Leviton IP1106-1LZ / 6631-2
- Leviton DVELV-303P / MAELV-600

Dimmer Compatibility 0-10V

- Leviton IP710-DLZ
- Leviton DVTV-XX

DP (POTENTIOMETER)

- Dimming Control Control button on luminaire
- Dimming Range 10-100%
- Dim to off no
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥87



ND (For Size S and M only)

- Dimming Control NON DIMMABLE
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥87
- THD @ Full Load <20%

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