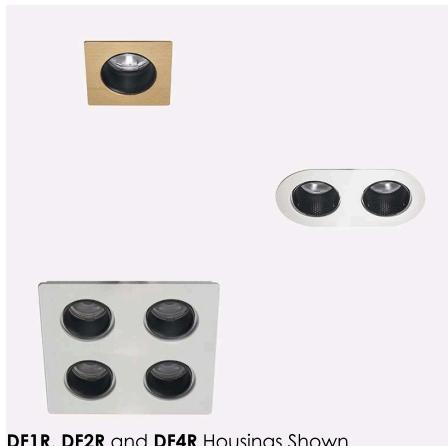
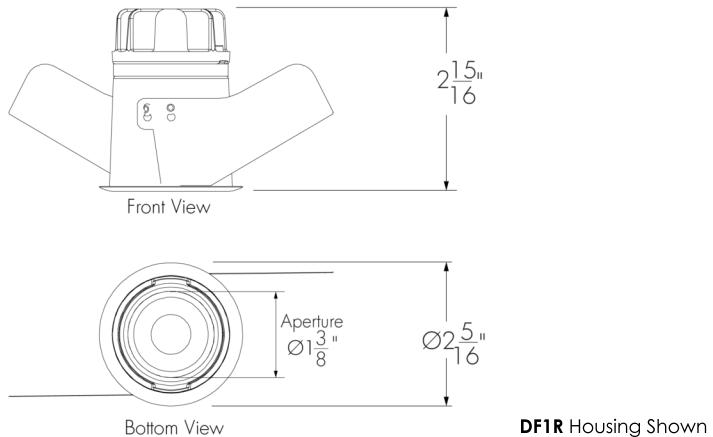


Project Name \_\_\_\_\_ Qty \_\_\_\_\_  
Type \_\_\_\_\_ Catalog / Part Number \_\_\_\_\_



DF1R, DF2R and DF4R Housings Shown

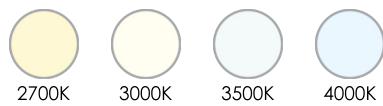


DF1R Housing Shown

## Photometric Summary

Consult the Photometric Information section of the Specification Sheet for 3000K CRI 92 data. For all other configurations, consult IES files on the Lumenpulse website.

## Color and Color Temperature



## Color Rendering

CRI 92      CRI 98

## Control

ON/OFF      0-10V      Phase Dimming

## Finish



Matte White  
Matte Black  
Concrete Grey  
Gold  
Copper

## Description

Fixed yet flexible, the DARK FIX Small has a 2-inch aperture and a complete set of optical choices for multiple applications. Play with beam spreads, finishes, number of heads, trim/trimless options, and accessories. These luminaires are typically used in environments where very low glare (UGR <10) is preferred to create an exclusive ambiance and are perfect for hospitality, restaurants, hotels, bars, high-end retail, or specific areas in workplace environments.

## Features

Trim Shape	TR: Trim TRL: Trimless
Output (Nominal Lumens)	L03: 300 lm L04: 400 lm L05: 500 lm L07: 700 lm L10: 1000 lm L13: 1300 lm L20: 2000 lm L30: 3000 lm
Color and Color Temperature	27K: 2700K 30K: 3000K 35K: 3500K 40K: 4000K
Optic (Nominal Distribution)	NS: Narrow Spot 12° ENS: Elliptical Narrow Spot 54° x 12° S: Spot 15° NF: Narrow Flood 25° FL: Flood 35° WFL: Wide Flood 40° EWFL: Elliptical Wide Flood 47° x 72°

**Trim Shape**

Round



Square



Trimless Round



Trimless Square

**Finish**

**MWHTX:** Matte White Txt  
**MBKTX:** Matte Black Txt  
**CGY:** Concrete Grey  
**GTX:** Gold Txt  
**CTX:** Copper Txt

**Installation Type**

**RM:** Remodel Non-Insulated Ceiling (Non-Plenum Rated)  
**NC:** New Construction Non-Insulated Ceiling (Non-Plenum Rated)  
**IC:** Insulation Contact Mounting (Can be Used for Plenum Contact, and Air-Tight Mounting Box Applications)

**Optical Accessories**

Various optical accessories available, see Optical Accessories Section for details

**Warranty**

5-year limited warranty

**Performance**

**Maximum Delivered Output** Up to 945 lm (one fixture head, L07, CRI 92, 40K, FL)

**Maximum Delivered Intensity** 9,536 cd at nadir (one fixture head, L04, CRI 92, 40K, NS)

**Efficacy** Up to 98 lm/W (one fixture head, L05, CRI 92, 40K, FL)

**Color Rendering** **92:** CRI 92  
**98:** CRI 98

**Color Consistency** 2 SDCM

**Lumen Maintenance** L70 120,000 hours  
L95 19,000 hours

**UGR** Optical configurations available to achieve <10 UGR.  
See IES files for performance data based on exact configurations.

**Physical**

**Housing Material** Die cast aluminum

**Optics Material** Polymethyl methacrylate (PMMA)

**Accessory Material** Nylon PA12 (accessory primary ring, and frame only)

**Cutout** See Ceiling Requirements section of the specification sheet and installation instructions for details

**Ceiling Thickness** 0.2 in to 0.71 in

**Weight** DF1R Housing With Trim: 0.49 lbs (fixture only)

DF1R Housing, Trimless: 0.51 lbs (fixture only)

DF1S Housing with Trim: 0.71 lbs (fixture only)

DF1S Housing, Trimless: 0.73 lbs (fixture only)

DF2R Housing With Trim: 1.28 lbs (fixture only)

DF2R Housing, Trimless 1.31 lbs (fixture only)

DF2S Housing With Trim: 1.28 lbs (fixture only)

DF2S Housing, Trimless: 1.31 lbs (fixture only)

DF4S Housing With Trim: 2.66 lbs (fixture only)

DF4S Housing, Trimless: 2.69 lbs (fixture only)

0.77 lbs (RM Installation Type only)

1.65 lbs (NC Installation Type only)

5.07 lbs (IC Installation Type only)

For total weight, combine weight of fixture and weight of installation type

**Certifications**

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## Electrical and Control

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<b>Voltage</b>	120/277: 120/277 Volts
<b>Wattage Range</b>	6.8 to 10.3 Watts (one head only)
<b>Control</b>	<b>NO:</b> On/Off Control <b>DIM:</b> 0-10V Dimming 1% <b>PH:</b> Phase Dimming 1%

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## Environmental

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<b>Ingress Protection Rating</b>	IP40
<b>Environment</b>	Damp location (interior applications only)
<b>Operating Temperature (Ceiling Cavity Ambient Temperature)</b>	14 °F to 104 °F

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## Important

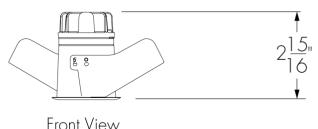
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### Virtual Patent Marking Notice

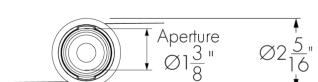
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

## Dimensions

### DF1R Housing With Trim

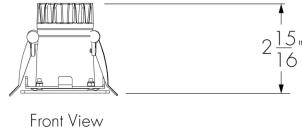


Front View

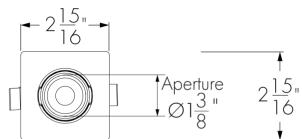


Bottom View

### DF1S Housing With Trim

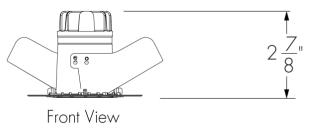


Front View

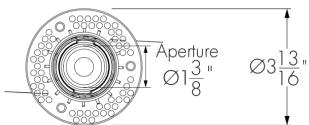


Bottom View

### DF1R Housing Trimless

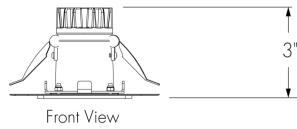


Front View

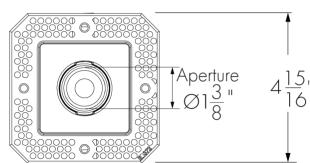


Bottom View

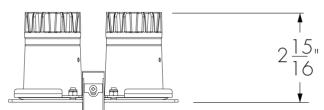
### DF1S Housing Trimless



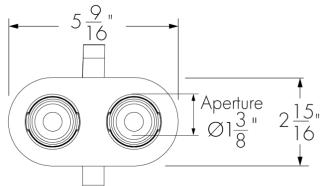
Front View



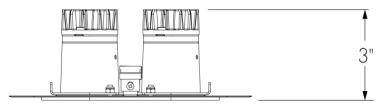
Bottom View

**DF2R Housing With Trim**

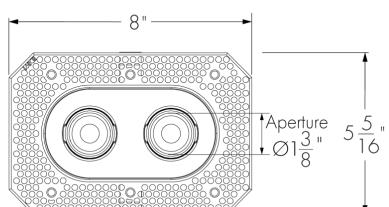
Front View



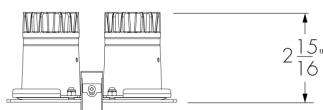
Bottom View

**DF2R Housing Trimless**

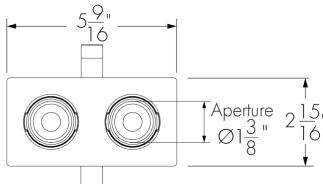
Front View



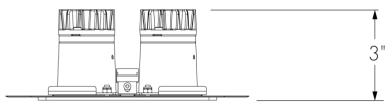
Bottom View

**DF2S Housing With Trim**

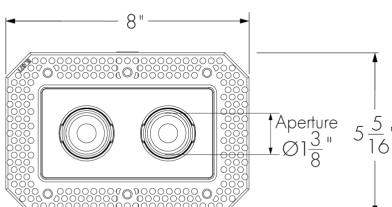
Front View



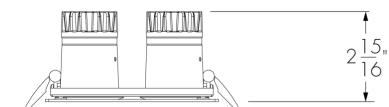
Bottom View

**DF2S Housing Trimless**

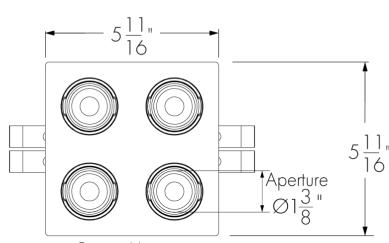
Front View



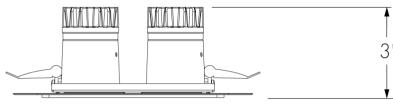
Bottom View

**DF4R Housing with Trim**

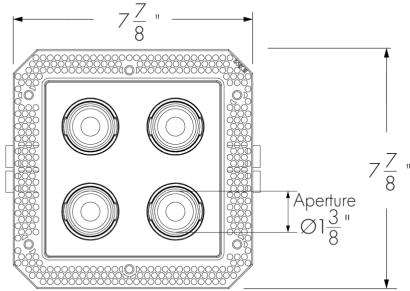
Front View



Bottom View

**DF4S Housing with Trim**

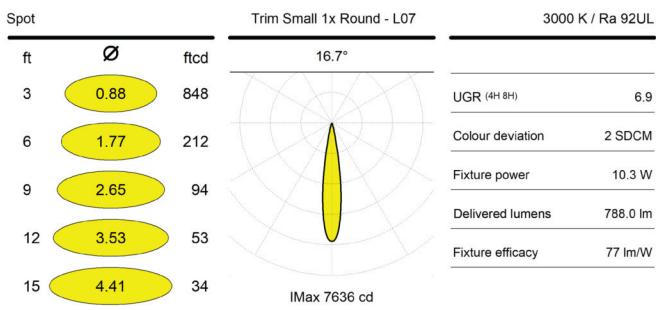
Front View



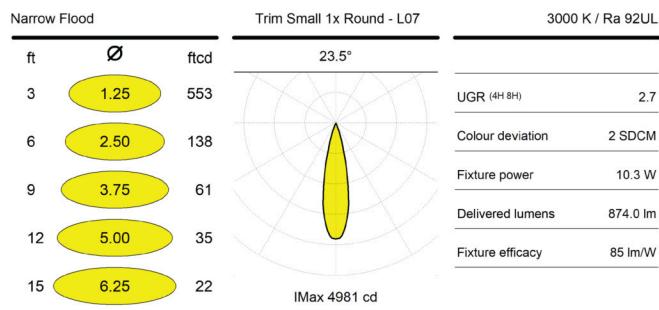
Bottom View

## Photometric Information

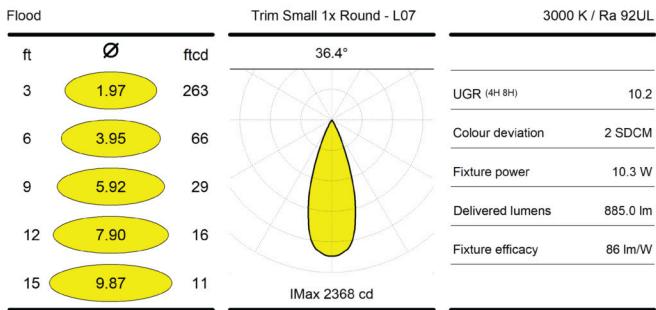
### Spot, L07, 3000K, CRI 92



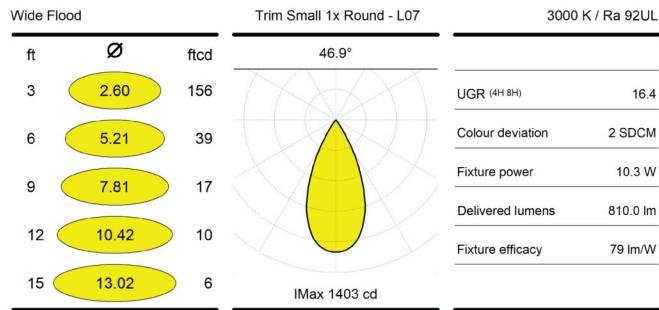
### Narrow Flood, L07, 3000K, CRI 92



### Flood, L07, 3000K, CRI 92



### Wide Flood, L07, 3000K, CRI 92



The photometric data shown is for one fixture head.

For all other configurations, consult IES files on the Lumenpulse website.

## Optical Accessories

### HL - Honeycomb



### EL - Elliptical Lens



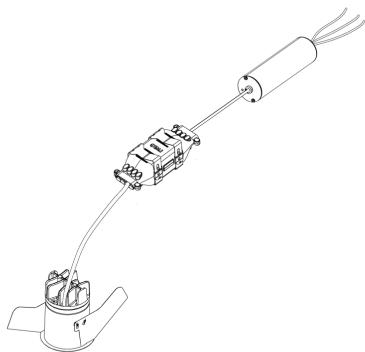
The same accessory will be factory-installed on each fixture head unless CM is specified in the product code. The CM option is available for DF2R, DF2S and DF4S housings only.

When the CM order code is specified, the accessories must be installed on site.

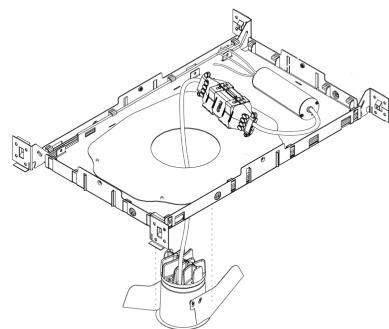
Consult factory for a different accessory for each fixture head.

## Installation Types

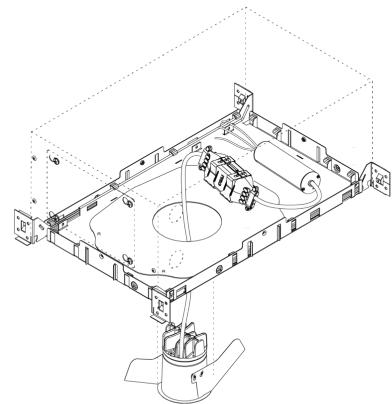
**RM: Remodel Non-Insulated Ceiling  
(Non-Plenum Rated)**



**NC: New Construction Non-Insulated Ceiling  
(Non-Plenum Rated)**



**IC: Insulation Contact Mounting**



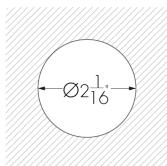
**DF1R** Housing Shown.

Refer to installation instructions for more details.

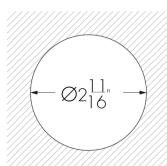
## Ceiling Requirements

### Ceiling Cutout

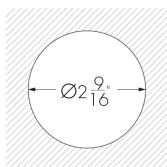
#### DF1R Housing With Trim



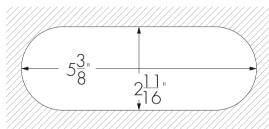
#### DF1S Housing With Trim and Trimless



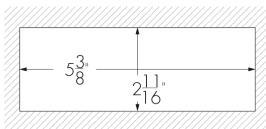
#### DF1R Housing Trimless



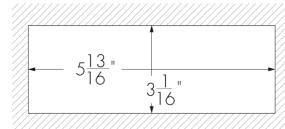
#### DF2R Housing With Trim and Trimless



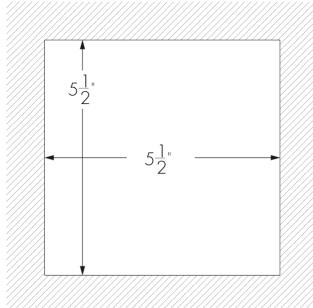
#### DF2S Housing With Trim



#### DF2S Housing Trimless



#### DF4S Housing With Trim and Trimless



Refer to installation instructions for more details.

## How to Order

Housing	Trim Shape	Size	Voltage	Control	Output (Nominal Lumens)	Finish	Color Rendering	Color and Color Temperature	Optic (Nominal Distribution)	Installation Type	Accessories (18)
<b>DF1R</b> DARK FIX 1x Round (1) (2) (3)	TR Trim	SM Small	<b>120/277</b> 120/277 Volts	<b>NO</b> On/Off Control	<b>L03</b> 300 lm	<b>MWHTX</b> Matte White Txt	<b>92</b> CRI 92	<b>27K</b> 2700K	<b>NS</b> Narrow Spot 12° (1) (4) (8) (14) (15)	<b>RM</b> Remodel Non-Insulated Ceiling (Non-Plenum Rated)	<b>NA</b> No Accessory
<b>DF1S</b> DARK FIX 1x Square (1) (2) (3)	TRL Trinless			<b>DIM</b> 0-10V Dimming 1%	<b>L04</b> 400 lm	<b>MBKTX</b> Matte Black Txt	<b>98</b> CRI 98 (13)	<b>30K</b> 3000K	<b>ENS</b> Elliptical Narrow Spot 54° x 12° (1) (5) (9) (14) (16)	<b>NC</b> New Construction Non-Insulated Ceiling (Non-Plenum Rated)	<b>HL</b> Honeycomb (19)
<b>DF2R</b> DARK FIX 2x Round (4) (5) (6) (7)				<b>PH</b> Phase Dimming 1% (12)	<b>L05</b> 500 lm	<b>CGY</b> Concrete Grey		<b>35K</b> 3500K	<b>S</b> Spot 15° (4) (10) (17)	<b>EL</b> Elliptical Lens (20)	
<b>DF2S</b> DARK FIX 2x Square (4) (5) (6) (7)					<b>L07</b> 700 lm	<b>GTG</b> Gold Txt		<b>40K</b> 4000K	<b>NF</b> Narrow Flood 25° (2) (8) (10)	<b>CM</b> Custom Accessory Combination (21) (22)	
<b>DF4S</b> DARK FIX 2x2 Square (8) (9) (10) (11)					<b>L10</b> 1000 lm	<b>CTX</b> Copper Txt			<b>FL</b> Flood 35° (2) (8) (10)		
					<b>L13</b> 1300 lm				<b>WFL</b> Wide Flood 40° (8) (10) (15) (17)		
					<b>L20</b> 2000 lm				<b>EWFL</b> Elliptical Wide Flood 47° x 72° (3) (7) (11) (18)		

## Notes:

- When DF1R or DF1S Housing is combined with NS or ENS Optics, only L03 and L04 Outputs are available.
- When DF1R or DF1S housing is combined with NF or FL optics, only L05 and L07 lumen outputs are available.
- When DF1R or DF1S housing is combined with EWFL optic, only L04 and L05 lumen outputs are available.
- When DF2R or DF2S housing is combined with NS optic, only L05 and L07 lumen outputs are available.
- When DF2R or DF2S housing is combined with ENS optic, only L04, L05 and L07 lumen outputs are available.
- When DF2R or DF2S housing is combined with S, NF, FL or WFL optics, only L07, L10 and L13 lumen outputs are available.
- When DF2R or DF2S housing is combined with EWFL optic, only L07 and L13 lumen outputs are available.
- When DF4S housing is combined with NS optic, only L10 and L13 lumen outputs are available.
- When DF4S housing is combined with ENS optic, only L07, L10 and L13 lumen outputs are available.
- When DF4S housing is combined with S, NF, FL or WFL optics, only L13 and L20 lumen outputs are available.
- When DF4S housing is combined with EWFL optic, only L13 and L20 lumen outputs are available.
- Phase dimming (PH) is only compatible with 120V power.

- Available for S, NF, FL, WFL and EWFL optics only.
- Available for CRI 92 only.
- Not available for EL accessory.
- Cannot be combined with accessories.
- When DF1R or DF1S housing is combined with S or WFL optics, only L04 and L07 lumen outputs are available.
- The same accessory will be factory-installed on each fixture head unless CM is specified in the product code. The CM option is available for DF2R, DF2S and DF4S housings only. When the CM order code is specified, the accessories must be installed on site.
- Available with NS, S, NF, FL and WFL optics only.
- Available with S, NF and FL optics only.
- Available for DF2R, DF2S and DF4S housings only.
- Consult factory for a different accessory for each fixture head.