LUTRON | KETRA

Ketra D2 Fixed

PRODUCT DESCRIPTION

Ketra full spectrum D2 recessed LED downlights are available in fixed, adjustable, and wall-wash options to complete any lighting design project.

FEATURES

High Def Palette—covers a wide range of 16.7 million colors, including pastels, saturated colors and high CRI whites spanning from 1,400 K to 10,000 K.

Dynamic Spectrum—precisely tunes the amount of energy across the visible spectrum to produce Natural Light, Natural Dimming, and Vibrancy.

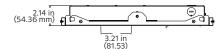
TruBeam—produces uniform color across any available beam angle.

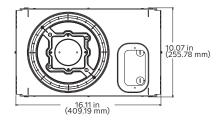
Color Lock—maintains your desired color point at a one-step MacAdam Ellipse across all Ketra product families and over each product's lifetime.





Fixed, IC Fixture





OPTIONS



Trim Finish



Flangless trims only. White flange standard with flanged trims.



SPECIFICATIONS¹

Optical Performance

Oprical Performance		Elivironinelliai			
Delivered Lumens ²		Ambient Temperature ⁵	32 - 104 °F (0 - 40 °C)		
Beam Angle	18 W	Extended Ambient Temperature	-32 - 32 °F (-35 - 0 °C) ⁴		
15° beam, high output	1230 lm	Humidity	0 – 95%, Non-condensing		
25° beam, high output	1240 lm	Certification	UL, cUL, 120 V~: FCC Class B,		
40° beam, high output	1301 lm		IC Rated; T24(JA8) ⁶		
60° beam, high output	1231 lm	Location	UL Damp Location, UL Wet Location (shower) available with Trim Lens		
15° beam, low glare	1140 lm		Installation not compatible with		
25° beam, low glare	1160 lm		Metal Ceilings UL2043 and CAN/ULC-S142 rated		
40° beam, low glare	1118 lm		for use in air handling spaces (plenums)		
60° beam, low glare	1096 lm	Outdoor/Indoor	Outdoor use available for fixed		
CRI (Ra)	>90 from 2,700 K to 5,000 K	•	and adjustable option only in residential enclosed/covered patio		
R9	>90		applications. Trim lens required.		
Lumen Maintenance³	50,000 hours to L70 @ 25 $^{\circ}$ C T $_{_{A}}$		Wall Wash option not available for outdoor applications.		
Color Point Range	1400 K — 10,000 K, Fully Saturated & Pastel	Warranty	5 year fixture, LED and dimming		
Dimming Protocol	Wireless RF/CCX (Lutron Clear Connect-Type X)	warranty Mechanical			
Dimming Range	0.1-100%	Mounting Options	Supplied with standard 14 in to 24 in		
Delivered Efficacy		Mounting Options	(356 mm to 610 mm) adjustable hanger bars and optional butterfly brackets		
Beam Angle	18 W	Field Replaceable Optics	Yes		
15° beam, high output	69 lm/W	Field Replaceable Light Engine	Yes		
25° beam, high output	70 lm/W	Field Replaceable Power Supply	Yes		
40° beam, high output	75 lm/W	,			
60° beam, high output	71 lm/W	Field Fixture Type Convertibility	Fixed housing can not be converted to		
15° beam, low glare	64 lm/W		an Adjustable for Wall Wash housing in the field		
25° beam, low glare	65 lm/W	Fixture Weight	5.7 lb (2.59 kg)		
40° beam, low glare	64 lm/W	Housing Material			
60° beam, low glare	63 lm/W	Lens Material	Pre-painted Steel, Polymer		
		FCI12 Majerial	Plastic		

Environmental

All measurements are considered typical performance and were taken with 1 in (25.4 mm) white trim, with light engine at nadir, at 3000 K, 25 °C ambient, 100% power input, no accessory, unless

Lumen measurement complies with IES LM-79-08 testing procedures.

Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant measurement data.

Color accuracy not guaranteed in Extended Ambient Temperature range.

Rated for direct application of spray foam compatible with low and medium density spray foam building insulation with a maximum of R6.8 per inch.

All products in the D2 family are Title 24 JA8 compliant when installed with a Trim Accessory lens on the trim. For more information, please contact Lighting Technical Support at lightingsupport@lutron.com or 1.844.LUTRON1 (1.844.588.7661).



SPECIFICATIONS¹ (continued)

Dimensions

Ceiling Hole Diameter/Width 3.25 in (82.55 mm) flanged;

4.25 in (108.0 mm) flangeless round mud-in; 4.00 in (101.6 mm) flangeless square mud-in; 2.83 in (71.88 mm) flangeless millwork

Ceiling Thickness (min-max) 0.625 - 2 in (15.8 - 50.8 mm)

Joist Width (min-max) Standard Hanger Bar Install:

18.25 × 14 - 24.875 in (463.6 × 355.6 - 631.83 mm) Butterfly Bracket Install: 16 in x 16.25 - 24.875 in (406.4 × 412.75 - 631.83 mm)

Modular Emitter/LED Module

Diameter

2.15 in (54.61 mm)

Housing Vertical Adjustment

via Butterfly Bracket

1.75 in (44.5 mm)

Trim Thickness 0.050 in (12.7 mm)

Adjustability Collar 95 degree rotation

Housing Height
2.14 in (54.31 mm)

Housing Length
16.36 in (415.54 mm)

Housing Width
10.07 in (255.78 mm)

Electrical

Power Consumption 18 W
Power Factor >0.9

Inrush Current 800 mA, 0.2 mS duration

Surge Protection 2.5 KV

Voltage 120 V \sim 60 Hz

Emergency Lighting Evaluated by UL_® for use in emergency

lighting systems in accordance with standard UL₀ 924 and CSA C22.2 No. 141 when paired with the LVS_{TM} model LUT-SHUNT-A-TD (UL₀ file E206507)².

All measurements are considered typical performance and were taken with 1 in (25.4 mm) white trim, with light engine at nadir, at 3000 K, 25 °C ambient, 100% power input, no accessory, unless otherwise stated.

² See Lutron Application Note 106 (P/N 048106) at www.lutron.com for wiring details of emergency lighting in commercial systems.



HOUSING ORDERING GUIDE

Please download this PDF to use the interactive drop down features of the ordering guide.

Housing

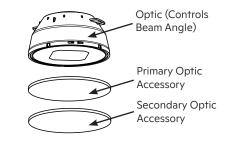
	D2	FS	FX				18
Product Line	Series	LED Type	Fixture Type	Shape	Ceiling Interface	Ceiling Thickness	Power Consumption
GT			11				
Control System	Beam Angle	Optic Style	Region/ Voltage	Location	Primary Optic Accessory	Secondary Optic Accessory	

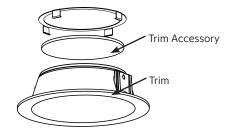
Order code:

Product Line	Code
Residential	HW-
(HomeWorks compatible) Commercial (Athena compatible)	CM-
Series	
D2 Fixture	D2
LED Type	
Ketra	FS
Fixture Type	
Fixed	FX
Shape	
Square	SQ
Round	RD
No Collar (to be specified later)	XX
Ceiling Interface	
Flanged	F
Flangeless Mud-In	Χ
Flangeless Millwork	M
Ceiling Thickness 5	
Thin Ceiling	N
Standard Ceiling	S
Thick Ceiling	Т
Deep Ceiling	D
Power Consumption	
18 W	18

Control System	Code
CCX (Clear Connect-Type X)	GT
Beam Angle	
Spot (15°)	15
Narrow Flood (25°)	25
Flood (40°)	40
Wide Flood (60°)	60
Optic Style	
Low Glare	L
High Output	Н
Region/Voltage	
120 V∼ 60 Hz, North America	11
Location	
Indoor	1
Outdoor (HomeWorks Resi Products only)¹	0
Primary Optic Accessory 2,4	
None	XX
Soft Focus Lens 2,4	S1
Frosted Lens ^{2,4}	F1
Linear Lens (10×20) ^{2,4}	L1
Hex Louver ^{3,4}	H1
Secondary Optic Accessory 2,4	
None	ХХ
Soft Focus Lens ^{2,4}	S1
Frosted Lens ^{2,4}	F1
Linear Lens (10×20) 2,4	L1







D2s are available for residential exterior applications only and must have a trim installed with a lens.

 $[\]label{lem:maximum} \text{Maximum of 2 accessories available at once across the optic and trim accessories.}$

When specifying a Hex Louver no additional optic or trim accessory is allowed.

The addition of accessory lens will reduce lumen output. See Trim/Lens Option Efficiency table on the next page.

⁵ The ceiling thickness option required varies by ceiling interface. See Ceiling Thickness Options table on page 7 for details.



TRIM ORDERING GUIDE

Two-Tone Paint Trim UN-D2 Product Series Line Shape Trim Finish Ceiling Aperture Trim Interface Profile Bevel/Flange Color Accessory Order code: **Product Line** Code Trim Finish Trim Accessory 2,3 Code UN-White 1 Universal WH Soft Focus Lens 2,3 S1 Black ВК Frosted Lens 2,3 F1 Series D2 Fixture D2 Gloss Black GB Linear Lens (10x20) 2,3 L1 Bronze RB Clear Lens 2,3 C1 Shape Silver SR None XXRound RD Silver/White SW Square SQ Black/White BW Ceiling Interface Gloss Black/White GW Flanged F None XXFlangeless Mud-In Х Flangeless Millwork M **Aperture Profile** Bevel В Pinhole Ρ

TRIM/LENS OPTION EFFICIENCY TABLE

	15 HO	15 LG	25 HO	25 LG	40 HO	40 LG	60 HO	60 LG
Clear	100%	100%	100%	100%	100%	100%	100%	100%
Soft Focus	95%	93%	96%	93%	96%	93%	96%	93%
Frosted	95%	93%	96%	93%	96%	92%	95%	93%
Linear (10×20)	94%	92%	94%	92%	94%	92%	94%	91%
Hex Louver	61%	67%	58%	62%	51%	56%	45%	50%

¹ White finish can be used as a primer for customer selected and applied paint.

² Maximum of 2 accessories available at once across the optic and trim accessories.

³ The addition of accessory lens will reduce lumen output. See Trim/Lens Option Efficiency table.



COMPONENT ORDERING GUIDE

Replacement Optics		Optics Accessories			Trim Lens Accessories			
UN-D2 OP			UN-D2	OA		UN-D2	TL	
Product Acce Line Type	,	m Angle	Product Line	Accessory Type	Accessory	Product Line	Accessory Type	Accessory
Order code:			Order cod	de:		Order cod	de:	
Product Line		Code	Product Line	è	Code	Product Line	2	Code
Universal Part - Recessed Downlight		UN-D2	Universal Par Recessed Do		UN-D2	Universal Par Recessed Do		UN-D2
Accessory Type			Accessory Ty	уре		Accessory Ty	/pe	
Optic		OP	Optic		OA	Trim		TL
Beam Angle			Accessory ^{1,2,2}	3		Accessory ^{1,2,}	3	
Spot (15°) Low Glare	4	LG15	Soft Focus Le	ens ^{2,3}	S1	Soft Focus Le	ens ^{2,3}	S1
Flood (25°) Low Glar	e	LG25	Frosted Lens	2,3	F1	Frosted Lens	2,3	F1
Wide Flood (40°) Lo	w Glare	LG40	Linear Lens (10x20) ^{2,3}	L1	Linear Lens (10x20) ^{2,3}	L1
Very Wide Flood (60	°) Low Glare	LG60	Clear Lens 2,3		C1	Clear Lens 2,3		C1
Spot (15°) High Outp	out 4	HO15	None		xx	None		XX
Flood (25°) High Ou	tput	HO25						
Wide Flood (40°) Hig	gh Output	HO40						
Very Wide Flood (60	°) High Outpu	† HO60						

¹ Downlight is wet location rated when trim is installed with lens.

 $^{\,^2\,\,}$ Only one optional optical or trim accessory can be used at a time.

³ Downlights with outdoor housings require a trim installed with lens.

^{4 15°} optics must be used with 15° emitters. 15° emitters can be confirmed in the housing ordering code. 25°, 40° and 60° optics share the same base emitter.



COMPONENT ORDERING GUIDE (cont.)

Mounting & Installation Kits	Collar Adapte	rs		
UN-D2	UN-D2			
Product Accessory Line		Product Line	Collar Adapters	Ceiling Thickness
Order code:		Order code:		
Product Line	Code	Product Line		Code
Universal Part - Recessed Downlight	UN-D2	Universal Part - Recessed Down	light	UN-D2
Accessory		Collar Adapters	1	
Millwork Template, Round	MTRD	Millwork Round		MCARD
Millwork Template, Square	MTSQ	Millwork Square		MCASQ
Butterfly Brackets & Hanger Bars	MAX	Mud-In Round		XCARD
Trim Retainer, Round Mud-In	TRRDX	Mud-In Square		XCASQ
Trim Retainer, Round Millwork	TRRDM	Flanged Round		FCARD
Trim Retainer, Square Mud-In	TRSQX	Flanged Square		FCASQ
Trim Retainer, Square Millwork	TRSQM	Millwork Extender Round		MCERD
		Millwork Extend	er Square	MCESQ
		Mud-in Extende	r Round	XCERD
		Mud-in Extende	r Square	XCESQ
		Ceiling Thickne	SS ⁴	
		Thin		N
		Standard		s
		Thick		Т
		Deep		D

Ceiling Thickness Options Table

Ceiling Type	Dimensions: in (mm)	Ceiling Thickness (collar type)
Elanged	0.625-1.25 (15.875-31.75)	Standard (S)
Flanged	1.3-2.0 (33.02-50.8)	Thick (T)
	0.625-1.0 (15.875-25.4)	Thin (N)
Flangeless Mud In	1.0625-1.375 (27.0-34.9)	Standard (S)
	1.4375-2.0 (36.51-50.8)	Thick (T)
	0.625-0.9375 (15.875-23.8125)	Thin (N)
Florandon Millionia	1.0-1.3125 (25.4-33.34)	Standard (S)
Flangeless Millwork	1.375-1.6875 (34.9-42.8625)	Thick (T)
	1.75-2.0 (44.45-50.8)	Deep (D)

NOTE: See the Trim Ordering Guide for trim options and the Replacement Optic Section for optic options.

¹ Ceiling installation cannot begin until collar adapter is installed.

Mud-in trim retainer supplied with mud-in collar adapter.

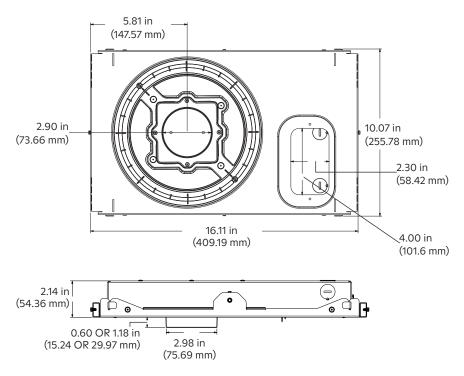
³ Millwork trim retainer supplied with millwork trim to ensure color match.

The ceiling thickness option required varies by ceiling interface. See Ceiling Thickness Options table above for details.

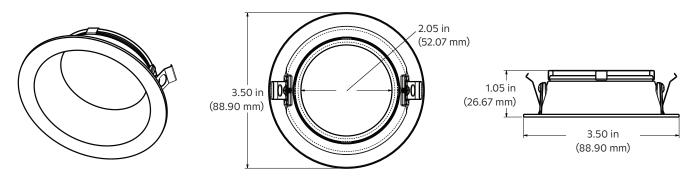


PRODUCT DIMENSIONS

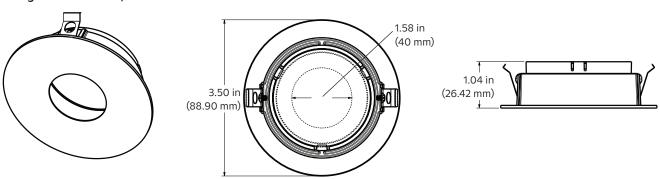
Flanged Housing, Round



Flanged Bevel Trim, Round



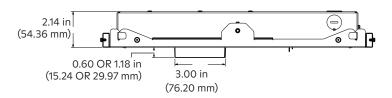
Flanged Pinhole Trim, Round

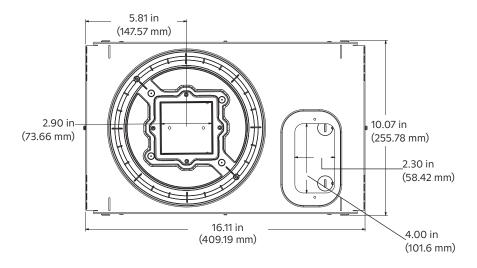




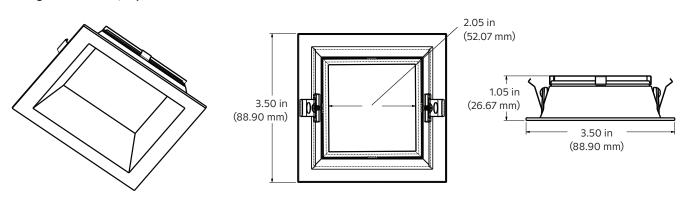
PRODUCT DIMENSIONS (cont.)

Flanged Housing, Square

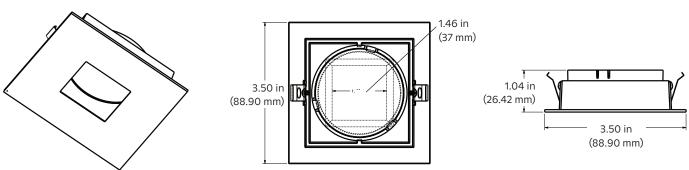




Flanged Bevel Trim, Square



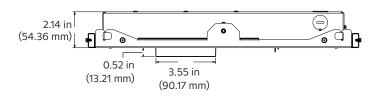
Flanged Pinhole Trim, Square

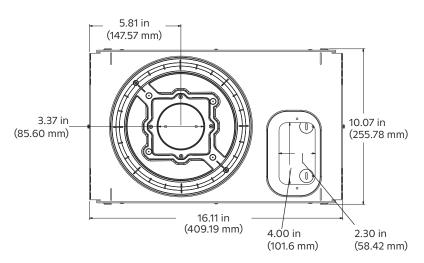




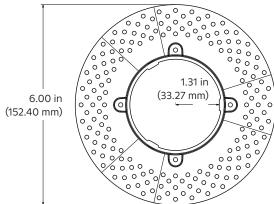
PRODUCT DIMENSIONS (cont.)

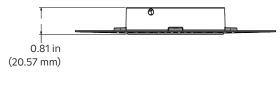
Flangeless Mud-In Housing, Round





Flangeless Mud-In Trim Retainer, Round

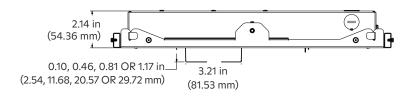


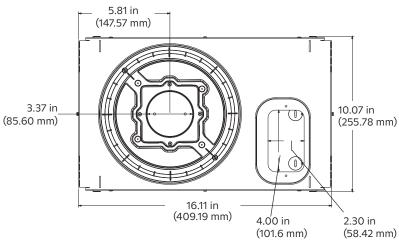




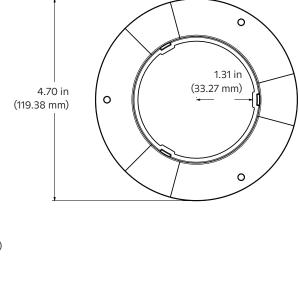
PRODUCT DIMENSIONS (cont.)

Flangeless Millwork Housing, Round





Flangeless Millwork Trim Retainer, Round

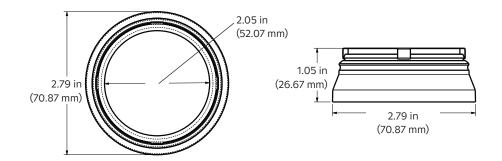




PRODUCT DIMENSIONS (cont.)

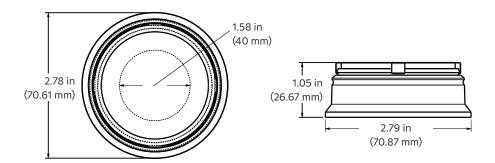
Flangeless Bevel Trim, Round





Flangeless Pinhole Trim, Round



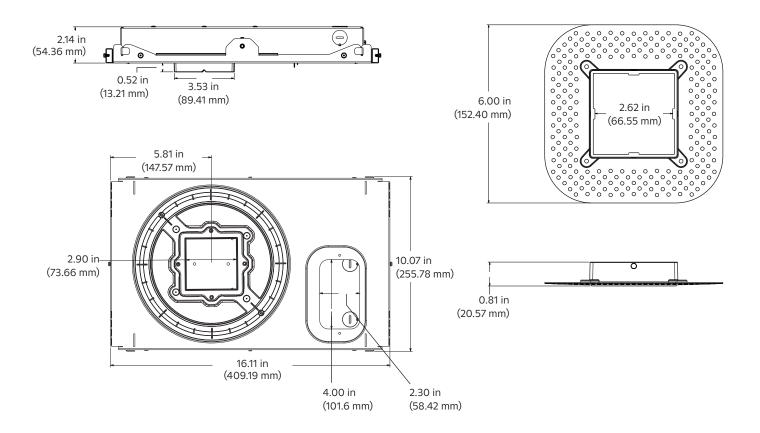




PRODUCT DIMENSIONS (cont.)

Flangeless Mud-In Housing, Square

Flangeless Mud-In Trim Retainer, Square

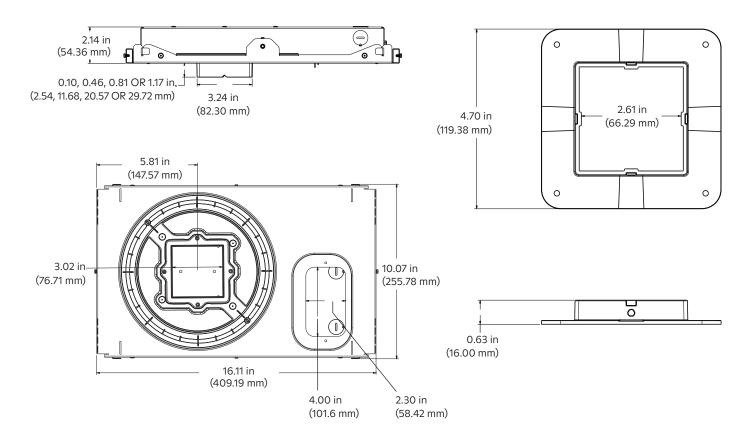




PRODUCT DIMENSIONS (cont.)

Flangeless Millwork Housing, Square

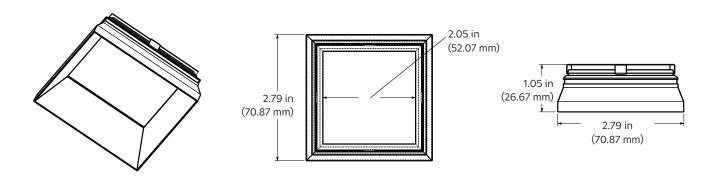
Flangeless Millwork Trim Retainer, Square



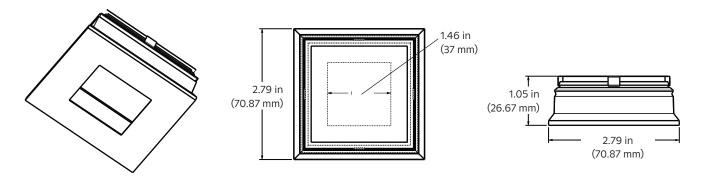


PRODUCT DIMENSIONS (cont.)

Flangeless Bevel Trim, Square



Flangeless Pinhole Trim, Square



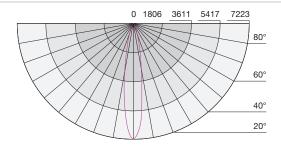


PHOTOMETRIC DATA¹

Beam Angle: 15° Spot, Low Glare

Model Number	Wattage	Delivered Lumens	СВСР
XX_D2-FSFXRDFS18GT15L-XXXX	18 W	1140	7223

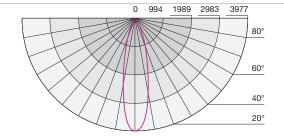
Foot-candles		Beam Dia.
000.0	6 ft	1.58 ft
200.6	(1.8 m)	(0.48 m)
	8 ft	2.11 ft
112.9	(2.4 m)	(0.64 m)
	10 ft	2.63 ft
72.2	(3 m)	(0.80 m)
	40.0	
50.0	12 ft	3.16 ft
50.2	(3.7 m)	(0.96 m)
	14 ft	3.69 ft
26.0		
36.8	(4.3 m)	(1.12 m)



Beam Angle: 25° Spot, Low Glare

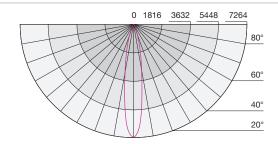
Model Number	Wattage	Delivered Lumens	СВСР
XX-D2-FSFXRDFS18GT25L-XXXX	18 W	1160	3977

Foot-candles		Beam Dia.
	6 ft	2.66 ft
108.1	(1.8 m)	(0.81 m)
00.0	8 ft	3.55 ft
60.8	(2.4 m)	(1.08 m)
38.9	10 ft (3 m)	4.43 ft (1.35 m)
27.0	12 ft (3.7 m)	5.32 ft (1.62 m)
19.9	14 ft (4.3 m)	6.21 ft (1.89 m)



Beam Angle: 15° Spot, High Output

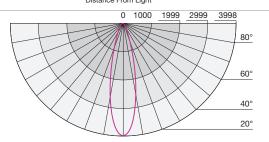
Model	Number	Wattage	Delivered Lumens	CBCP
XX-D2-I	SFXRDFS18GT15	H-XXXX 18 W	1230	7264
	Foot-candles		Beam Dia.	
	201.8	6 ft (1.8 m)	1.58 ft (0.48 m)	
	113.5	8 ft (2.4 m)	2.11 ft (0.64 m)	
-	72.6	10 ft (3 m)	2.63 ft (0.80 m)	
-	50.4	12 ft (3.7 m)	3.16 ft (0.96 m)	
_	37.1	14 ft (4.3 m)	3.69 ft (1.12 m)	
		Distance From Light		



Beam Angle: 25° Spot, High Output

Model Number	Wattage	Delivered Lumens	CBCP
XX-D2-FSFXRDFS18GT25H-XXX	18 W	1240	3998

Foot-candles		Beam Dia.
108.9	6 ft (1.8 m)	2.66 ft (0.81 m)
61.3	8 ft (2.4 m)	3.55 ft (1.08 m)
39.2	10 ft (3 m)	4.43 ft (1.35 m)
27.2	12 ft (3.7 m)	5.32 ft (1.62 m)
20.0	14 ft (4.3 m)	6.21 ft (1.89 m)
	Distance From Light	



¹ All data is simulated to represent the typical performance expected with the following parameters: 1 in (25.4 mm) white trim, with light engine at nadir, at 3000 K, 25 °C ambient, 100% power input, default vibrancy, unless otherwise stated.

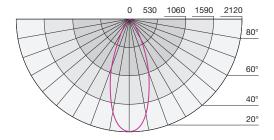


PHOTOMETRIC DATA¹ (cont.)

Beam Angle: 40° Wide Flood, Low Glare

Model Number	Wattage	Delivered Lumens	СВСР
XX-D2-FSFXRDFS18GT40L-XXXX	18 W	1118	2120

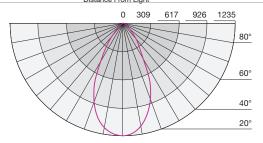
Foot-candles		Beam Dia.
58.9	6 ft (1.8 m)	4.37 ft (1.33 m)
33.1	8 ft (2.4 m)	5.82 ft (1.77 m)
21.2	10 ft (3 m)	7.28 ft (2.21 m)
14.7	12 ft (3.7 m)	8.74 ft (2.66 m)
10.8	14 ft (4.3 m)	10.19 ft (3.11 m)
	Distance From Light	



Beam Angle: 60° Very Wide Flood, Low Glare

Model Number	Wattage	Delivered Lumens	СВСР
XX-D2-FSFXRDFS18GT60L-XXXX	18 W	1096	1124.7

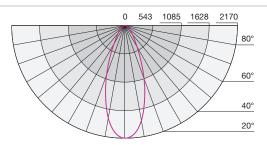
Foot-candles		Beam Dia.
	6.4	6.93 ft
31.2	6 ft (1.8 m)	(2.11 m)
	(110 111)	(=,
	8 ft	9.24 ft
17.5	(2.4 m)	(2.82 m)
	10 ft	11.55 ft
11.2	(3 m)	(3.52 m)
	` ,	, ,
	12 ft	13.86 ft
7.8	(3.7 m)	(4.22 m)
	14 ft	16.17 ft
5.7	(4.3 m)	(4.93 m)



Beam Angle: 40° Wide Flood, High Output

Model Number	Wattage	Delivered Lumens	CBCP
XX-D2-FSFXRDFS18GT40H-XXXX	18 W	1301	2170
Foot-candles	<u> </u>	Beam Dia.	
6 f	t m)	4.37 ft	

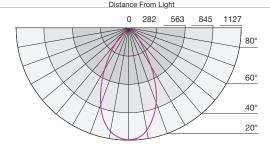
Foot-candles		Beam Dia.
60.2	6 ft (1.8 m)	4.37 ft (1.33 m)
33.9	8 ft (2.4 m)	5.82 ft (1.77 m)
21.7	10 ft (3 m)	7.28 ft (2.21 m)
15.1	12 ft (3.7 m)	8.74 ft (2.66 m)
11.1	14 ft (4.3 m)	10.19 ft (3.11 m)
	Distance From Light	



Beam Angle: 60° Very Wide Flood, High Output

Model Number	Wattage	Delivered Lumens	СВСР
XX-D2-FSFXRDFS18GT60H-XXXX	18 W	1231	1127

Foot-candles		Beam Dia.
	6 ft	6.93 ft
32.1	(1.8 m)	(2.11 m)
	8 ft	9.24 ft
18.1	(2.4 m)	(2.82 m)
	10 ft	11.55 ft
11.5	(3 m)	(3.52 m)
	12 ft	13.86 ft
8.0	(3.7 m)	(4.22 m)
	14 ft	16.17 ft
5.9	(4.3 m)	(4.93 m)

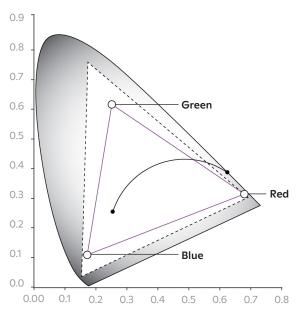


¹ All data is simulated to represent the typical performance expected with the following parameters: 1 in (25.4 mm) white trim, with light engine at nadir, at 3000 K, 25 °C ambient, 100% power input, default vibrancy, unless otherwise stated.



WIDE GAMUT

CIE 1931 Color Chart



Ketra's D2 LED Downlight can easily be commissioned into Lutron HomeWorks or Athena systems. The product can reproduce any color point with the triangle shaped gamut indicated in the chart to the left. With Ketra's Color Lock tool, the color point is maintained to an accuracy of one-step MacAdam Ellipse over the lifetime of the product and across operating temperature ranges.

- Color Lock—Color point is maintained to an accuracy of one-step MacAdam Ellipse over the lifetime of the product and across operating temperature range.
- ---- **Expanded Gamut**—Color lock not guaranteed such that each product produces the most saturated color of which it is capable.

D2 General Specifications

Color Point Maintenance: Employ closed loop optical and thermal feedback capable of maintaining color point accuracy at a one-step MacAdam ellipse over product lifetime.¹

Wireless Capability: LED light source shall have an integrated wireless control on board.

Color Rendering Index (CRI): Capable of CRI greater than 90 at any point along the Black Body Curve from 2,700 K to 5,000 K.

Single Source Multi-Die Modular Emitter/LED Module Design: Employ a single source multi-die modular emitter/LED module consisting of both monochromatic and phosphor converted blue LED die.

LED Estimated Useful Life: Minimum of 50,000 hours at 70 percent lumen maintenance, calculated based on IES LM-80 test data.

Diagnostic reporting capability²: Clear Connect-Type X (CCX) light sources provide diagnostics and built-in technology to check input voltage and wireless connectivity.

Warranty: Ketra's light source is warrantied to be free from defects in material and workmanship for five (5) years or 25,000 hours from date of shipment, whichever is less.

Lighting System Capable of the Following Dimming Functionality:

- Automatically mimicking natural daylight by shifting Correlated Color Temperature (CCT) and intensity based on time-of-day.
- Shifting from high CCT at high intensity to low CCT at low intensity, mimicking dimming curve of an incandescent lamp.
- Changing intensity while maintaining full color spectrum or CCT.
- Changing full color spectrum or CCT while maintaining intensity.

Spectral Power Distribution Manipulation: Light system capable of manipulating the Spectral Power Distribution (SPD) by automatically adjusting distributions of color intensity while maintaining the same Correlated Color Temperature (CCT).

Dimming Range: Dimmable from 100 to 0.1 percent measured luminous flux.

Color Point Range: Single light source capable of producing 16.7 million colors and white from 1,400 K to 10,000 K Correlated Color Temperature (CCT).

Lutron, the Lutron logo, the Ketra logo, Ketra, TruBeam, Color Lock, Clear Connect, Athena, and HomeWorks are trademarks or registered trademarks of Lutron Electronics Co., Inc. in the US and/or other countries.

¹ Color point maintenance not guaranteed in the expanded gamut or while operating at ambient temperatures between -13 to 32 °F (-25 to 0 °C).

² For diagnostics support or more information, please contact Lighting Technical Support at lightingsupport@lutron.com or 1.844.LUTRON1 (1.844.588.7661).