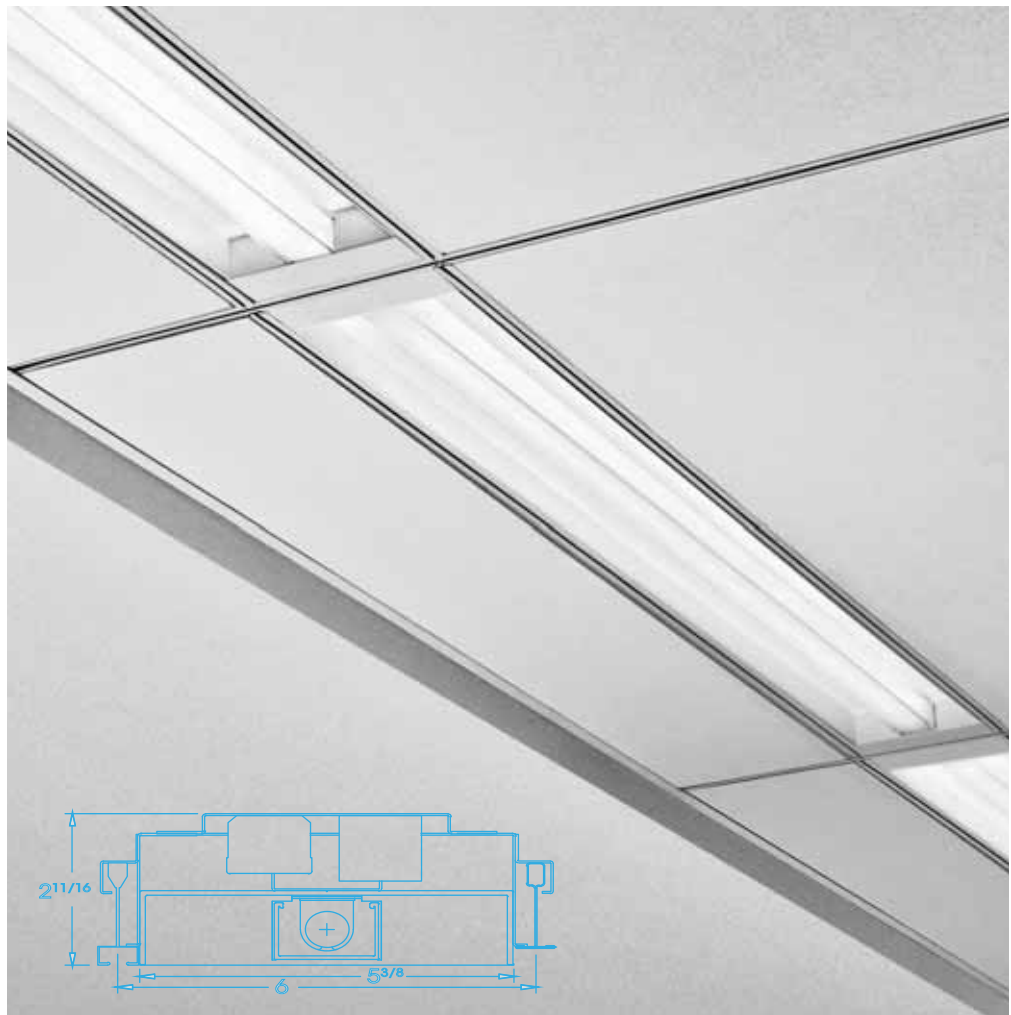


Datum™



Easy fit. Easy integration. Simple solution.



mark architectural lighting®
An **Acuity** Brands Company

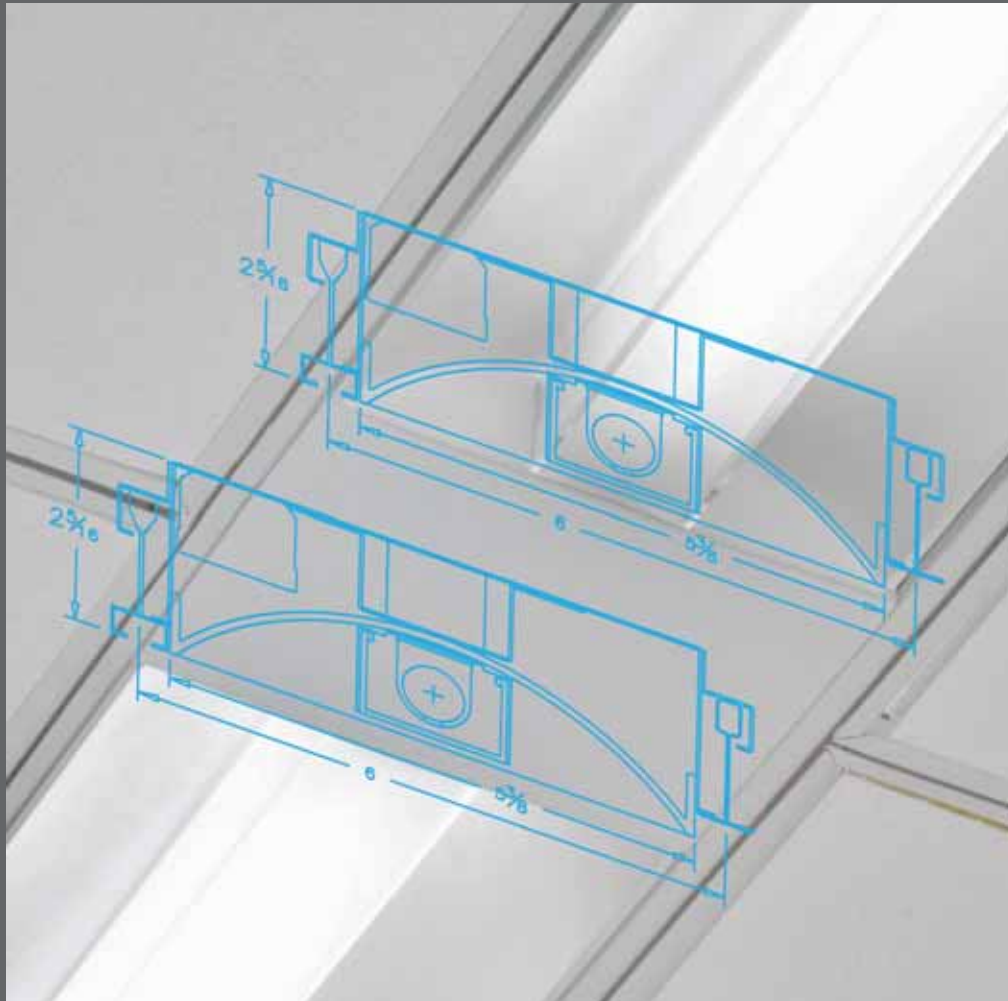
d

The Datum™ : Simple Solution

In locations where plenum space is limited by design or necessity, lighting choices don't have to be a problem. The Datum from Mark Architectural Lighting is a simple solution.

Offering versions as shallow as 2 5/16 inches, the Datum is perfect for restricted plenum space, and its modular design makes it easy to include other components such as speakers and downlights. With its high energy efficiency and low-profile design, the Datum is breaking new ground in recessed architectural lighting.





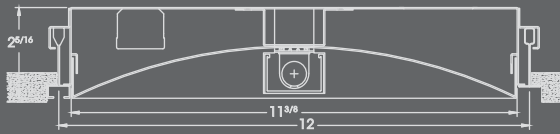
Datum



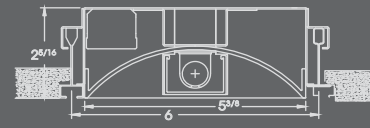
Datum²



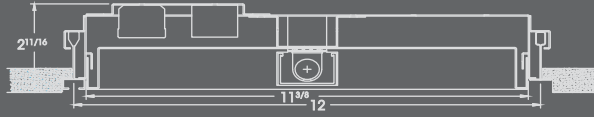
FIXTURE DETAILS



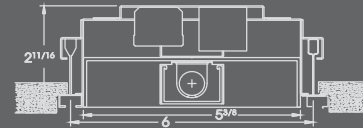
DAT - 14 - 1T5/T5HO - DF - RD (ROUNDED REFLECTOR)
DAT - 15 - 1T5/T5HO - DF - RD (ROUNDED REFLECTOR)



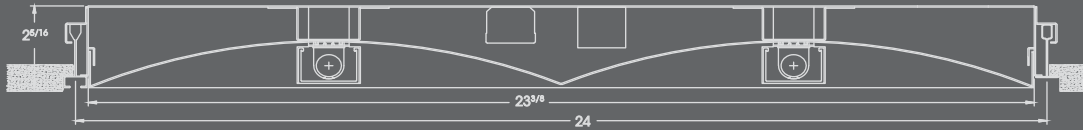
DAT - 64 - 1T5/T5HO - DF - RD (ROUNDED REFLECTOR)
DAT - 65 - 1T5/T5HO - DF - RD (ROUNDED REFLECTOR)



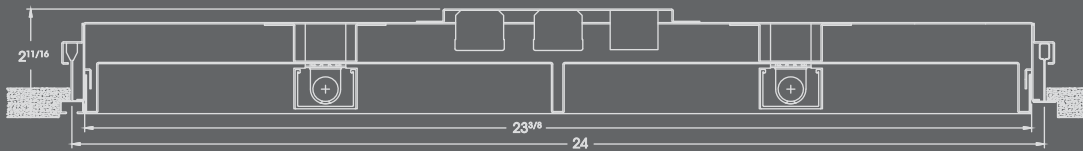
DAT - 14 - 1T5/T5HO - DF - RT (RECTANGULAR REFLECTOR)
DAT - 15 - 1T5/T5HO - DF - RT (RECTANGULAR REFLECTOR)



DAT - 64 - 1T5/T5HO - DF - RT (RECTANGULAR REFLECTOR)
DAT - 65 - 1T5/T5HO - DF - RT (RECTANGULAR REFLECTOR)



DAT - 22 - 2T5/T5HO - DF - RD (ROUNDED REFLECTOR)
DAT - 24 - 2T5/T5HO - DF - RD (ROUNDED REFLECTOR)

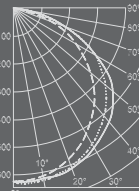


DAT - 22 - 2T5/T5HO - DF - RT (RECTANGULAR REFLECTOR)
DAT - 24 - 2T5/T5HO - DF - RT (RECTANGULAR REFLECTOR)

PHOTOMETRICS

Reflector - Round

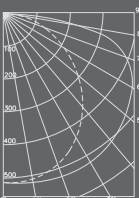
Floor Ceiling	20%									
	70%		80%		50%		30%		10%	
Watts	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	89	89	89	89	83	83	83	80	80	80
1	81	78	75	72	73	70	68	70	69	66
2	74	68	62	58	63	59	56	61	59	55
3	67	59	53	48	56	51	47	54	49	46
4	61	52	46	40	49	44	40	48	43	39
5	56	46	40	35	44	38	34	43	38	34
6	52	42	36	30	40	34	30	38	33	29
7	48	38	31	25	35	30	25	35	30	25
8	45	34	28	23	33	27	23	32	27	23
9	42	31	25	21	30	25	21	29	24	21
10	39	29	23	19	28	23	19	27	22	19



DAT-DF-RD-64-1T5 - Reflector - Round, Lamp - (1) F28T5, Rated Lumens - 2900, Input Watts - 34.3, Efficiency - 74.8%

Reflector - Rectangular

Floor Ceiling	20%									
	70%		80%		50%		30%		10%	
Watts	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	88	88	88	88	92	92	92	88	88	88
1	88	83	79	75	78	75	72	75	72	70
2	79	71	65	59	66	61	57	64	59	56
3	71	61	54	48	58	51	46	55	50	46
4	65	54	46	40	51	44	39	48	43	38
5	59	48	40	34	45	38	33	43	37	33
6	55	43	35	29	40	34	28	39	33	28
7	50	38	31	25	36	30	25	35	29	25
8	47	35	27	22	33	27	22	32	26	22
9	44	32	25	20	30	24	20	30	24	20
10	41	29	23	18	28	22	18	27	22	18



DAT-22-2T5-Rect - Reflector - Rectangular, Lamp - (1) FP14/841/E00, Rated Lumens - 1200, Input Watts - 34.8, Efficiency - 82.6%

SPECIFICATION DATA

- Mounting:** Recessed grid; 6"-wide units are TechZone™ compatible.
- Housing:** Die-formed, 20-gauge, cold-rolled steel. End caps and joiners are die-cast aluminum for 6" wide units and formed cold-rolled steel for 1' and 2' wide units.
- Reflector:** Precision-contoured, heavy-gauge extruded aluminum for 6" unit. Precision die-formed, 20-gauge, cold-rolled steel for wider units.
- Lens:** Extruded translucent acrylic.
- Finish:** Powder-coated baked matte white enamel.
- Lamps:** (1) T5 or T5HO (6" & 1' version)
(2) T5 or T5HO (2'x 2' & 2'x 4' version)
- Certification:** UL listed, IBEW (Local 3) Union-made in the USA.



e

Easy Fit, Easy Integration

Reduced plenum space is sometimes a matter of design—part of an overall plan to lower construction costs by using less building materials. And sometimes it's a matter of necessity—so many components and so little space. In either case, the low-profile design of the Datum makes it an ideal choice.

The flexibility offered by the Datum allows you to put lighting where you need it, without having to worry about limited space or working around other elements. The 6-inch version is TechZone™ compatible and makes it easy to accommodate components such as low-voltage/LED downlighting, sprinkler systems, speakers and air returns.

6" Datum accommodates air returns, sprinkler heads, speakers, etc.



Blank Panel
(BL)
24" & 30" Lengths



Speaker Panel
(SK)
24" & 30" Lengths



MR16/LED Panel
(MR/LED, MR/MH, MR/LV)
24" & 30" Lengths



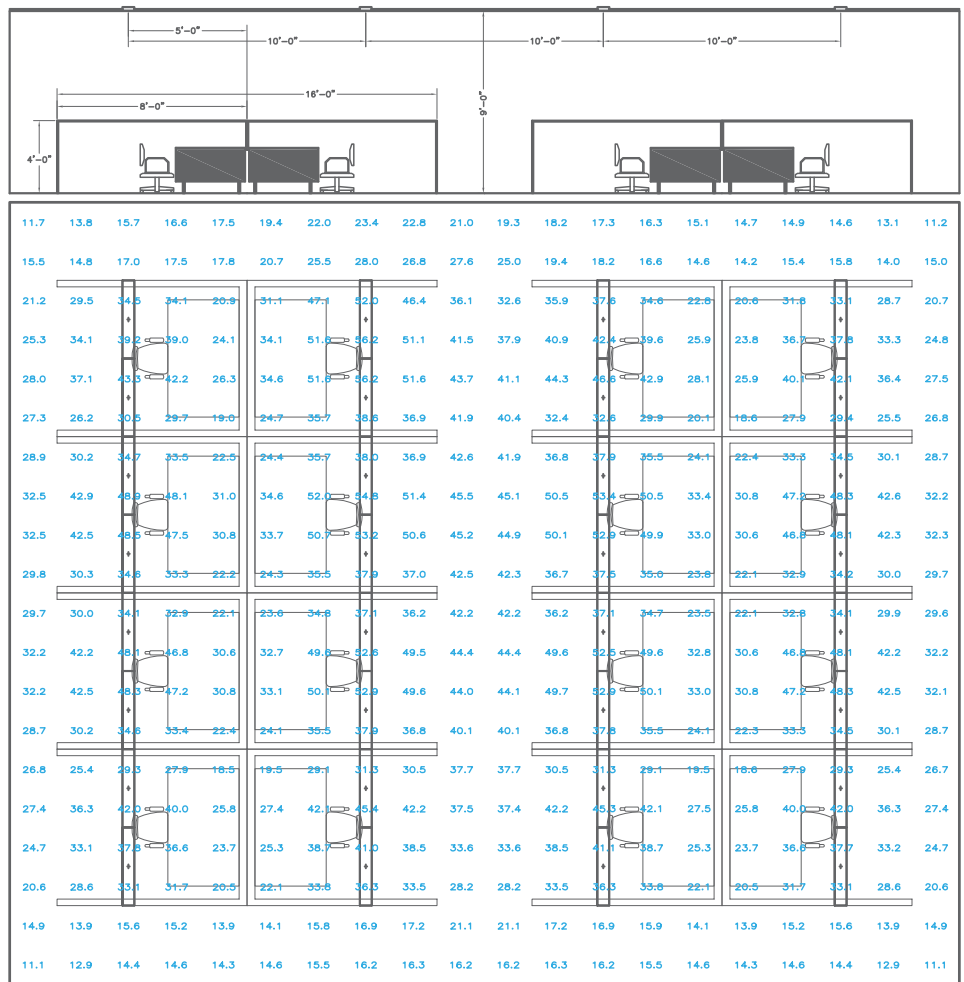
Sprinkler Panel
(SP)
24" & 30" Lengths

V

Value of Efficiency

The Datum seamlessly blends architectural elegance with energy efficiency. It combines clean, simple styling with optimum luminance control while achieving maximum light output and luminaire efficiencies as high as 84.5 percent.

The Datum's spacing-to-mounting-height ratios of up to 1.5 allow layout options not possible with other luminaires. Its minimal depth can also help reduce a project's overall energy impact by allowing lower plenum heights, thereby reducing materials and resources required for construction.



Datum Series 6"x4" T5 maintained horizontal illuminance at 2'-6" A.F.F.
 Lighting Power Density Values Area = 600 sq. ft.
 Total Watts = 1122
 Lighting Power Density = 0.701 watts/sq.ft.
 Average Footcandles = 35



Q Datum Ordering Information

Datum/Datum² Ordering Information

Series Name	Reflector Options	Size	Ceiling Type	Lamps	Ballast	Voltage	Run Information*	Options
DAT	RD Rounded (Datum)	64 6" x 4"	G9 15/16" Inverted Tee	1T5	EB Electronic	120	IND Individual	EMPK Emergency Battery Pack
	RT Rectangular (Datum ²)	65 6" x 5"	DF 9/16" Slot Grid or Superfine	1T5HO 2T5 (2x2 & 2x4 only) 2T5HO (2x2 & 2x4 only)	EDB Electronic Dimming	277	BOR Beginning of Row INT Intermediate EOR End of Row	

*Please note: Run information for "G" only. All other sizes come as individual units and cannot be joined into rows. IND has cross tees between fixtures; BOR, INT and EOR do not.

Ordering Information for TechZone-Compatible Panels

Series Name	Size	Ceiling Interface	Voltage (MR only)	Run Information	Options
DATPNL Datum Panel	62 6" x 24" 63 6" x 30"	G9 15/16" Inverted Tee DF 9/16" Slot Grid or Superfine	120 277	B/E Beginning/End of Row (with cross tees) INT Intermediate (no cross tees)	MR/LED¹ LED Downlight MR/MH¹ HID Metal Halide Downlight MR/ALV¹ Low-voltage MR16 Downlight SF² Sprinkler AR Air Return SK² Speaker BL Blank

¹ Depth is 4 1/2" for MR panels. ² Speaker and sprinkler panels are prepared to accept those items by others.

Sample Ordering Number: DAT G9 RT 65 IT5 EDB 120 BOR EMPK



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Mark Architectural Lighting is a specification-oriented manufacturer of quality architectural lighting fixtures. Our emphasis on service and collaboration, our flexibility with products and processes, and our innovative designs have helped us build a solid reputation and loyal customer base.

The core of our product line is an impressive selection of recessed luminaires that complement the extensive array of lighting products within the Acuity Brands Lighting family. The heart of our business is our steadfast commitment to superior service.