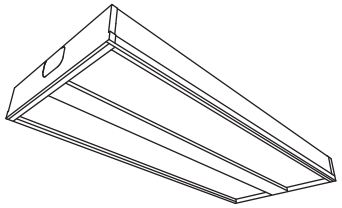
Voice

Recessed

20”x4’

2 T5

mesoOptics® airwave™ RESPONSE®



LEDALITE

Project Name

Spec Type

Notes

Order Guide

Some combinations of product options may not be available. Consult factory for assistance with your specification.

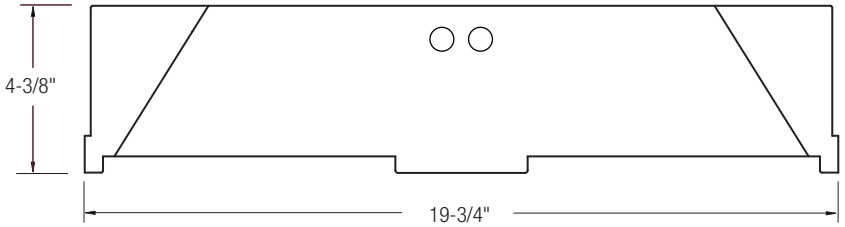
9854			F228	–		–		–		–	
Product Series & Size	Version	Configuration	Lamping		Housing		Wiring		Voltage		Ballast
Voice 20”x4’	**NN** Standard T-Grid*	**ST** Standalone	2 T5 (28W)		**S** Standard (22ga.)		**1** 1 cct **5** 1 cct w/ Battery Pack **7** 1 cct Dimming		**1** 120V **2** 277V **3** 347V		**E** Standard Ballast **S** 50/100 Power Step-Dim
	*Optional filler panels for 20"x4' fixtures used in 20"x 60" ceiling grid systems are ordered separately and field installed (see below). For 20"x4' fixtures with air return, select perforated filler panel (see below).						Consult website for complete list of standard wiring options				Consult website for ballast manufacturer information

Upgrades & Accessories

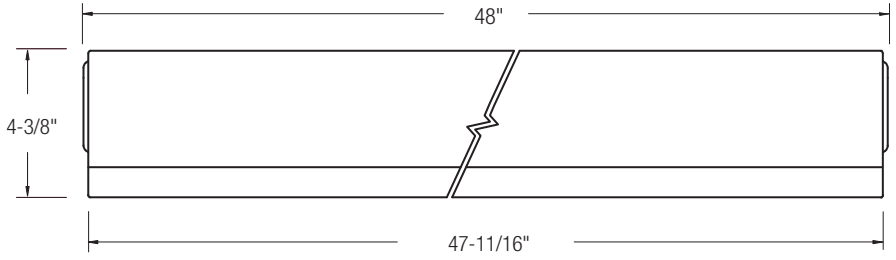
Please indicate with check mark.

- ☐ Lamps Included
- ☐ Job Pack
- ☐ Response Daylight
  For details visit www.ledalite.com/response
- ☐ Lamps Included & Installed
- ☐ Flex Whip
- ☐ Solid Filler Panel (set of 2)
- ☐ Perforated Filler Panel /Air Return (set of 2)

Cross Section



Side View



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Ledalite is a Philips group brand

PHILIPS

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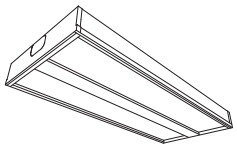


Photometry

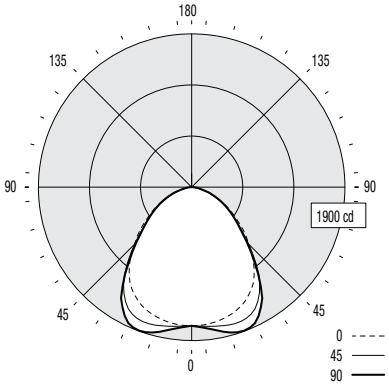
Report Summary

Report # 9901476
Filename 9854D1F228.ies
Efficiency 74.9%

Spacing Criteria 1.26 @ 0˚ along
1.36 @ 90˚ across

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	1719	1719	1719	1719	1719	
5	1715	1720	1730	1737	1750	169
15	1667	1701	1770	1835	1866	500
25	1563	1632	1740	1851	1859	794
35	1350	1423	1470	1546	1491	908
45	1001	1040	1001	1039	971	784
55	670	667	635	652	629	586
65	388	393	370	399	382	385
75	161	170	156	181	161	181
85	29	38	33	44	38	43
90	0	0	0	0	0	



Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	89	89	89	89	87	87	87	83	83	83	75
1	82	79	76	74	80	77	75	74	72	70	65
2	76	70	65	62	74	69	64	66	63	59	55
3	69	62	57	52	68	61	56	59	55	51	48
4	64	56	50	45	62	55	49	53	48	44	41
5	59	50	44	39	58	49	43	48	43	39	36
6	55	45	39	35	53	45	39	43	38	34	32
7	51	41	35	31	50	41	35	40	34	30	29
8	47	38	32	28	46	37	32	36	31	27	26
9	44	35	29	25	43	34	29	33	28	25	23
10	42	32	26	23	41	32	26	31	26	22	21

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m^2)

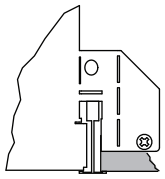
Vertical Angle	Horizontal Angle 0	45	90
55	2042	1936	1917
65	1605	1531	1580
75	1088	1054	1088
85	582	662	762

IES files for this and other photometric options can be downloaded online at www.ledalite.com

Additional Information

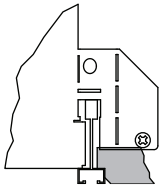
Mounting

Integrates with most common T-bar ceiling types.



Works with 9/16" and 15/16" flat T-grid ceilings.

Flat T-Grid



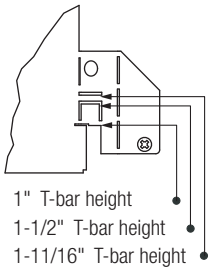
Can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

Slot T-Grid

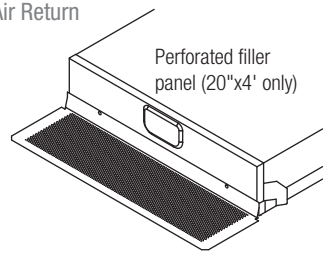
Note: Optional filler panels for 20"x4' fixtures used in 20"x 60" ceiling grid systems are ordered separately and field installed. For 20"x4' fixtures with air return, select perforated filler panel (see below).

Ceiling Types

Integrated mounting tabs can be field-adjusted to various T-bar ceiling heights for fastening directly to the T-bar grid and/or tied-off to the building structure.



Air Return



The air return version features a perforated filler panel at the end of the fixture. As a result, the installation method of the air return version is different to the standard version, and the fixture cannot be installed in continuous rows.

Specifications

Due to continuing product improvements, Ledalite reserves the right to change specifications without notice.

Housing
Die-formed, post-painted, 22 gauge cold-rolled steel. Wire entrances are positioned on the side of the housing to allow easy wiring access for the installer. Optional frame restraint is available to provide additional support to the optical frame. 20”x4’ models are available with optional field installed filler panels (solid or perforated).

Weight
Maximum 40 lbs.

Optical System
The optical frame assembly consists of flat acrylic panels with a layer of protected MesoOptics® film that provides high-angle glare control and high efficiency. The panels are secured to a perforated center shield using a linear prismatic acrylic diffuser. The optical frame ends are constructed from die-formed cold-rolled steel assembled together with extruded aluminum profiles in a sturdy frame. The frame is hinged to allow easy access to the inside of the fixture. Maintenance can be performed from below the ceiling without tools. No hardware is visible.

Mounting
Fixture is compatible with most ceiling types. Integrated bend-out tabs are provided for different T-grid heights. Use screws or hanger wire (supplied by others) to secure fixture.

Ballast
Electronic. Supplied with pre-installed ballast disconnect as per national electric codes.

Wiring
Optional flex whips are supplied in 6' lengths.

Air Return
Available for 20"x4' only via perforated filler panel (see above).

Approvals
Certified to UL & CSA Standards.

Finish
Housing and Frame: Post-painted, high quality powder coat. Available in white only.