Centris®

LEDALITE

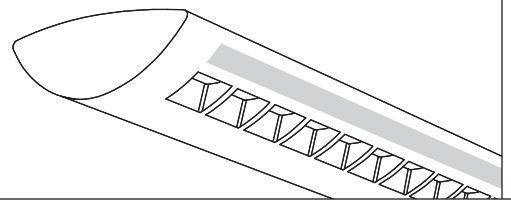
Suspended

Direct/Indirect

2 T5HO - Perf Housing

RESPONSE READY

QuickShip



Project Name

Spec Type

Notes

Order Guide

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

9506	H02			–		–		–		–		–	

Product Series & Type
Centris Direct/Indirect

Lamping
2 T5HO

Lower Optics
M Round Perf Housing / Solid Baffle
T Round Perf Housing / Round Perf Baffle
U Slot Perf Housing / Solid Baffle
Z Slot Perf Housing / Round Perf Baffle

See details on reverse

Upper Optics
N None
D Down Kit
Y Lamp Separator

See details on reverse

Run Length
Enter the total run length in feet (4ft increments)

See details on reverse

Wiring
1 1 cct
2 2 cct
3 1 cct w/ Emergency cct
4 2 cct w/ Emergency cct
5 1 cct w/ Battery Pack
6 2 cct w/ Battery Pack
7 1 cct Dimming

Consult website for complete list of standard wiring options

Voltage
1 120V
2 277V
3 347V

Ballast
E Standard Ballast

Consult website for ballast manufacturer information

Color & Finish
W Standard White
C Factory Color
X Custom Color

Consult website for color and finish options

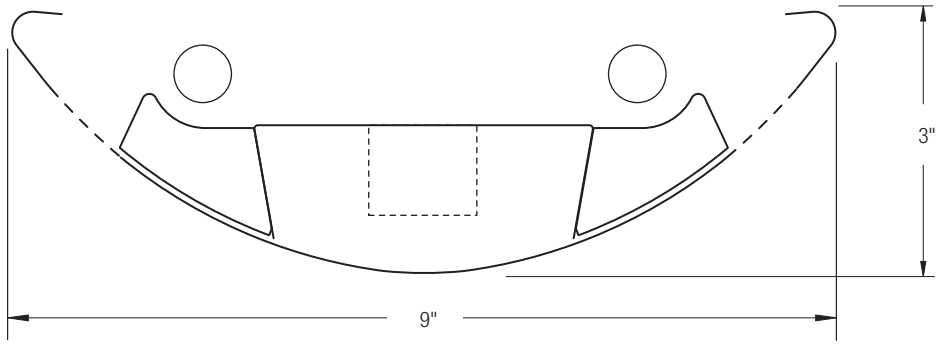
Mounting Hardware

Mount Type	Suspension Length
Consult separate mounting spec sheet for mount type options	*Enter distance from ceiling to top of fixture in inches*

Upgrades & Accessories

Please indicate with check mark.

- ☐ Lamps Included
- ☐ Lamps Included and Installed
- ☐ Sculptured Endcap
  See details on reverse
- ☐ Response Daylight (Integrated Controls)
  For details visit www.ledalite.com/response



Phone: 604.888.6811 Fax: 800.665.5332 Web: www.ledalite.com Email: info@ledalite.com

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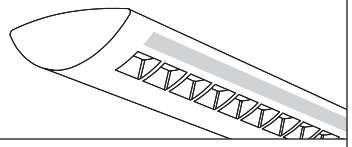


Photometry

Optics ZN Slot Perf Housing / Round Perf Baffle

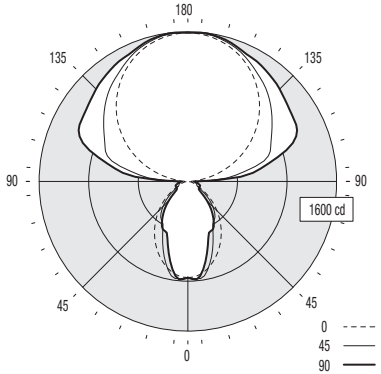
Report Summary

Report # 2101667
Filename 9506H02UN-ZN.ies
Efficiency 84.8%

Peak Candela Value* 1597 @ 173°
Peak to Zenith Ratio* 1 : 1
* Between 90-180° vertical angle

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	1028	1028	1028	1028	1028	
5	1017	1029	1044	1045	1054	100
15	931	963	911	797	794	247
25	792	764	643	569	585	308
35	625	545	498	482	478	323
45	442	363	378	303	290	271
55	264	270	216	142	143	189
65	116	146	108	129	140	129
75	56	62	95	115	127	96
85	15	35	65	78	87	66
90	4	34	64	80	93	
95	75	226	424	436	570	359
105	337	520	848	925	998	776
115	612	716	986	1223	1296	958
125	866	924	1106	1273	1336	987
135	1090	1123	1241	1355	1396	957
145	1277	1307	1355	1432	1455	855
155	1426	1448	1467	1489	1500	677
165	1528	1544	1552	1565	1569	439
175	1582	1585	1590	1596	1597	154
180	1591	1591	1591	1591	1591	



Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	85	85	85	85	75	75	75	57	57	57	18
1	78	74	71	68	69	66	63	50	48	47	15
2	71	65	60	56	62	58	54	44	41	39	13
3	65	57	51	47	57	51	46	39	36	33	11
4	59	51	44	39	52	45	40	35	31	28	10
5	54	45	39	34	48	40	35	31	27	24	9
6	50	40	34	29	44	36	31	28	24	21	8
7	46	36	30	26	41	33	27	25	21	19	7
8	43	33	27	22	38	29	24	23	19	16	6
9	40	30	24	20	35	27	22	21	17	15	6
10	37	27	22	18	33	25	20	19	16	13	5

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle 0	45	90
55	1876	1123	669
65	1119	671	759
75	882	763	848
85	701	772	789

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

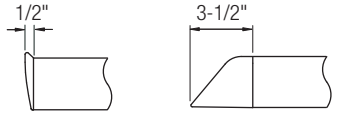
Additional Information

Modules

Module length excludes endcaps. Nominal mount spacing for individually mounted modules.

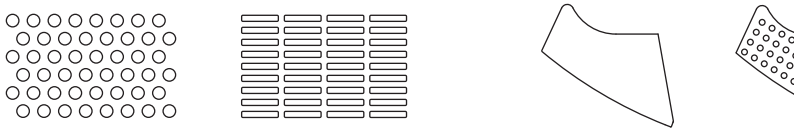
Module	Mount Spacing
4ft	4' 0"
8ft	8' 0"
12ft	12' 0"

Endcap



Flat (Standard) Sculptured

Lower Optics



Round Perf Housing Slot Perf Housing Solid Baffle Round Perf Baffle

Upper Optics

D Down Kit **Y** Lamp Separator

Specifications

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

Housing
Die-formed 20 gauge cold-rolled steel.

Weight
3.0 lb/ft.

Optical System
Direct/Indirect: Constructed of 96% reflective white steel to produce a direct/indirect distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable Variable Optics kits provide additional downlight as required.

Semi-Indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

Indirect: Constructed of 96% reflective white steel to produce an indirect distribution.

High performance options use additional highly-specular aluminum reflectors.

Endcaps
Die-cast endcap or optional die-cast sculptured endcap.

Joints
Self-aligning joining system with hands-free pre-joining wire access.

Mounting
Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

Electrical
Factory pre-wired to section ends with quick-wire connectors.

Ballast
Electronic.

Approvals
Certified to UL and CSA standards.

Finish
High-quality powder coat. Available in Ledalite Standard White (textured matte finish), and a selection of other factory and customer-specified colors. Consult factory for details.

FEATURES

OPTICAL SYSTEM

- Reflector - Self-flanged, matte-finished clear reflector. Fluted vertical upper section works in conjunction with Bounding Ray Optical Principle™ to provide optimal fixture performance. Minimum flange matches reflector finish. White painted flange optional.
- Cross Baffle - Clear acrylic cross baffle with surface that provides a decorative edge-glow appearance.
- Hinged lampdoor seals upper trim for optimal fixture efficiency and the reduction of stray light in the plenum.

MECHANICAL

- 16-gauge galvanized steel mounting/plaster frame with integral yoke to retain optical system. Maximum 1-1/2" ceiling thickness.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment. Tool-less, cam-action locking system allows for adjustment from above or below the ceiling. Shipped pre-installed.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

ELECTRICAL SYSTEM

- Horizontally-mounted, positive-latch, thermoplastic socket(s).
- Class P, thermally protected, high power factor electronic ballast(s) mounted to the junction box.

LISTING

- Fixtures are UL listed for thru-branch wiring, recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards (see Options).

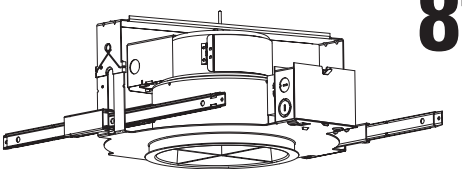
Type Catalog number

Decorative Compact Fluorescent Downlights

8" PDXF

Ice Blade™

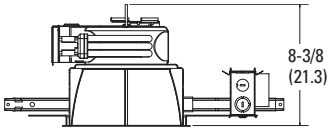
Horizontal Lamp
Triple-Tube



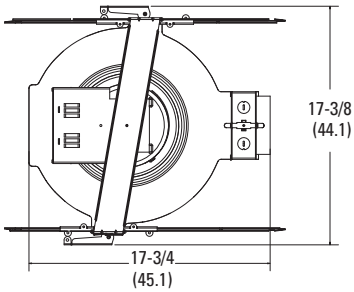
CLRF

CLRR

CLRA



Aperture: 7-7/8 (20.0)
Ceiling Opening: 8-7/8 (22.5)
Overlap Trim: 9-1/4 (23.5)



All dimensions are inches (centimeters).

ORDERING INFORMATION

Example: **PDXF 1/32TRT 8AR CLRF MVOLT**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number (shipped separately).

PDXF ____ **8AR** ____ ____ ____ ____ ____

Series	Lamp/ Wattage	Trim Color		Baffle Type		Voltage	Ballast[2]		Options	
PDXF	**1/18TRT**	**8AR**	Clear	**CLRF**	Clear Flush	**MVOLT**[1]	(blank)	GEB10 standard. Electronic ballast.	**TRW**	White painted flange
	1/26TRT			**CLRR**	Clear Round	**120**	**DMHL**[3]	Lutron Hi-Lume electronic dimming ballast.	**WLP**	With 35°K lamp (shipped separately).
	1/32TRT			**CLRA**	Clear Angular	**277**			**LRC**[4]	Provides compatibility with Lithonia Reloc System.
	1/42TRT					**347**	**ADEZ**[3]	Advance Mark X electronic dimming ballast.	**GMF**[5]	Single, slow-blow fuse.
	1/57TRT								**GLR**[5]	Single, fast-blow fuse.
	2/18TRT								**RIF**	Radio Interference Filter.
	2/26TRT								**ELR**[6]	Emergency battery pack. Remote test switch provided.
	2/32TRT								**QDS**	Quick Disconnect for easy ballast replacement.
	2/42TRT								**GSKT**	Gasketing.
									DS	Dual switching.
									CSA	Listed and labeled to comply with Canadian Standards.
									CP	Chicago Plenum.
									CAL	Clear acrylic lens. For use where enclosed fixture is required.

NOTES:
1 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.
2 For additional ballast types, refer to Technical Bulletins tab.
3 Available in 120V or 277V only.
4 For compatible Reloc systems, refer to Technical Bulletins tab.
5 Not available with MVOLT.
6 For dimensional changes, refer to Technical Bulletins tab. Not available with QDS or CP options.

Accessories

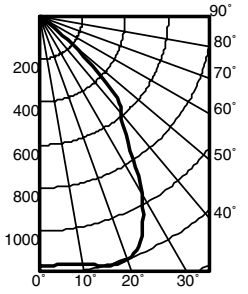
Order as separate catalog number.

SC8FL Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SC8FL **10D**

8" PDXF

Distribution curve **Distribution data** **Output data** **Coefficient of utilization** **Illuminance Data at 30" Above Floor for a Single Luminaire**

PDXF 1/42TRT 8AR CLRF, (1) CF42DT/E/IN/835, 3200 lumens per lamp, test no. LTL11023



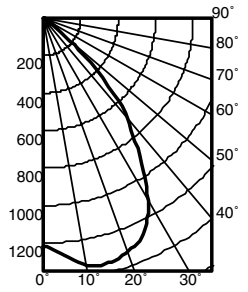
From 0°	Ave	Lumens
0	1164	
5	1160	111
15	1202	340
25	1124	508
35	719	459
45	443	316
55	56	64
65	19	19
75	8	8
85	1	2
90	0	

Zone	Lumens	% Lamp
0° - 30°	959.2	30.0
0° - 40°	1418.4	44.3
0° - 60°	1797.8	56.2
0° - 90°	1827.1	57.1
90° - 180°	0.0	0.0
0° - 180°	1827.1	*57.1
*Efficiency		

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.62	.61	.61	.60	.59	.58
2	.57	.55	.56	.54	.54	.52
3	.52	.49	.52	.49	.50	.48
4	.48	.45	.48	.44	.46	.43
5	.44	.41	.44	.40	.43	.40
6	.41	.37	.41	.37	.40	.36
7	.38	.34	.38	.34	.37	.33
8	.35	.31	.35	.31	.34	.31
9	.33	.29	.32	.29	.32	.29
10	.31	.27	.30	.27	.30	.26

		50% beam angle 61.4°		10% beam angle 92.8°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	38.5	6.5	19.2	11.5	3.9
10	20.7	8.9	10.3	15.7	2.1
12	12.9	11.3	6.4	19.9	1.3
14	8.8	13.7	4.4	24.1	0.9
16	6.4	16.0	3.2	28.3	0.6

PDXF 2/32TRT 8AR CLRF, (2) CF32DT/E/IN/835, 2400 lumens per lamp, test no. LTL11025



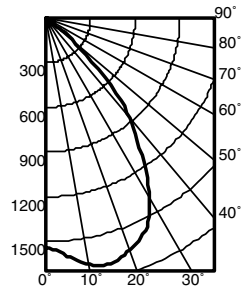
From 0°	Ave	Lumens
0	1218	
5	1270	124
15	1352	381
25	1266	575
35	895	561
45	455	340
55	64	72
65	22	22
75	8	9
85	2	2
90	0	

Zone	Lumens	% Lamp
0° - 30°	1078.8	22.5
0° - 40°	1639.4	34.2
0° - 60°	2050.8	42.7
0° - 90°	2083.8	43.4
90° - 180°	0.0	0.0
0° - 180°	2083.8	*43.4
*Efficiency		

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.48	.46	.47	.45	.45	.44
2	.44	.41	.43	.41	.41	.40
3	.40	.37	.39	.37	.38	.36
4	.37	.34	.36	.34	.35	.33
5	.34	.31	.33	.31	.32	.30
6	.31	.28	.31	.28	.30	.28
7	.29	.26	.29	.26	.28	.25
8	.27	.24	.26	.24	.26	.23
9	.25	.22	.25	.22	.24	.22
10	.23	.20	.23	.20	.23	.20

		50% beam angle 65.0°		10% beam angle 92.7°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	40.3	7.0	20.1	11.5	4.0
10	21.7	9.5	10.8	15.7	2.2
12	13.5	12.1	6.7	19.9	1.3
14	9.2	14.6	4.6	24.1	0.9
16	6.7	17.2	3.3	28.3	0.7

PDXF 2/42TRT 8AR CLRF, (2) CF42DT/E/IN/835, 3200 lumens per lamp, test no. LTL11024



From 0°	Ave	Lumens
0	1539	
5	1603	155
15	1705	478
25	1577	716
35	1121	701
45	565	423
55	75	86
65	27	27
75	10	11
85	2	2
90	0	

Zone	Lumens	% Lamp
0° - 30°	1350.0	21.1
0° - 40°	2050.7	32.0
0° - 60°	2560.1	40.0
0° - 90°	2599.9	40.6
90° - 180°	0.0	0.0
0° - 180°	2599.9	*40.6
*Efficiency		

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.44	.43	.44	.43	.42	.41
2	.41	.39	.40	.38	.39	.37
3	.37	.35	.37	.35	.36	.34
4	.34	.32	.34	.31	.33	.31
5	.32	.29	.31	.29	.30	.28
6	.29	.26	.29	.26	.28	.26
7	.27	.24	.27	.24	.26	.24
8	.25	.22	.25	.22	.24	.22
9	.23	.21	.23	.20	.23	.20
10	.22	.19	.22	.19	.21	.19

		50% beam angle 64.7°		10% beam angle 92.5°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	50.9	7.0	25.4	11.5	5.1
10	27.4	9.5	13.7	15.7	2.7
12	17.1	12.0	8.5	19.8	1.7
14	11.6	14.6	5.8	24.0	1.2
16	8.4	17.1	4.2	28.2	0.8

NOTES:

1 For electrical characteristics, refer to Technical Bulletins tab.

2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

3 Consult factory or IES file for other photometric reports.

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Task Ambient Lighting - Style L202M

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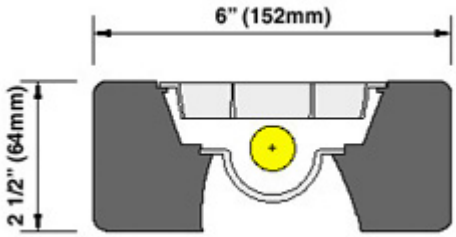
General Information



Length: 70-3/4" (1797mm)

Lamp type: (2) F21T5 Standard output

Optics: Mid-mount

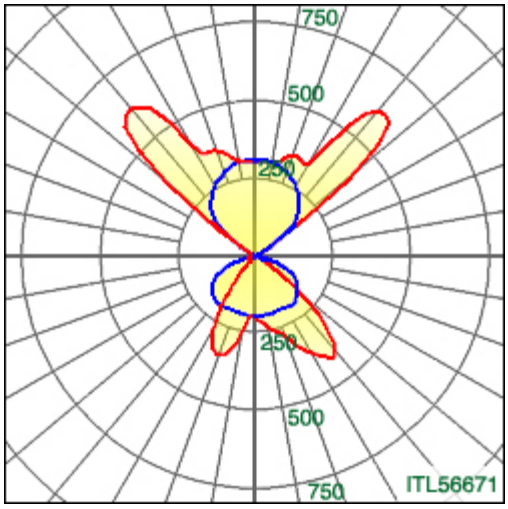
% Light Direct: 47%

% Light Indirect: 53%

Total Efficiency: 61.6%
(28.9% dn, 32.6% up)

Total Lamp Lumens: 4200

Light Levels and Power



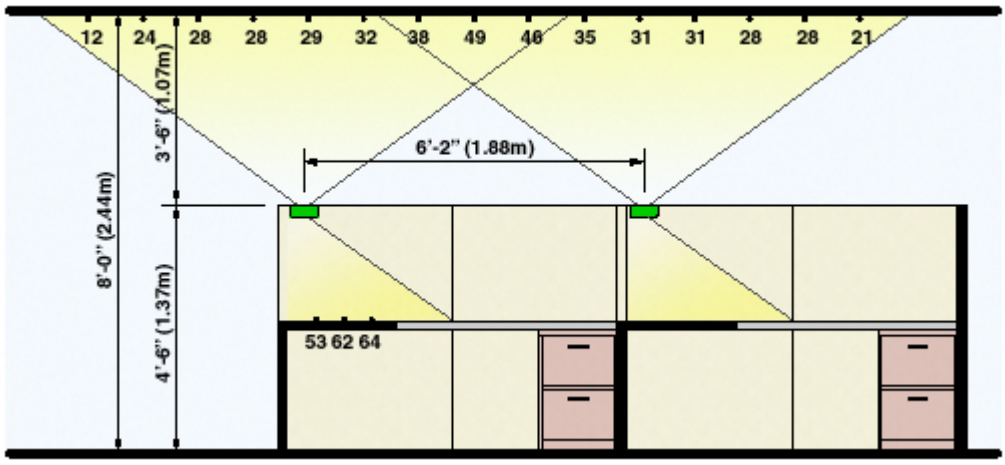
180-0 Degrees, 90-270 Degrees

W/SF	Average Room Illuminance at 30" A.F.F.
0.6	18 FC
0.8	25 FC

Note:
Illuminance is based on a minimum of 10 workstations.
Light levels will be 5-10% greater in large rooms with more workstations.
Ballast Factor: .98
Input Watts: 34
Maximum Candlepower at 140 deg = 629 cd

Download IES file

Illuminance Levels

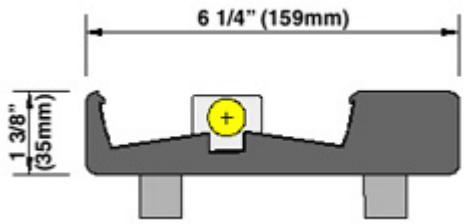


Illuminance calculations based on the Reflectance's: Room 80/50/20, Desktop 60, Partitions 45.
Ceiling height: 8'-0" Work Surface Height: 29" Mounting height: 54 " LLF= 1
Tambient Luminaire length: 6'-0" All Illuminance values are in Footcandles

Ambient Lighting - Style A102

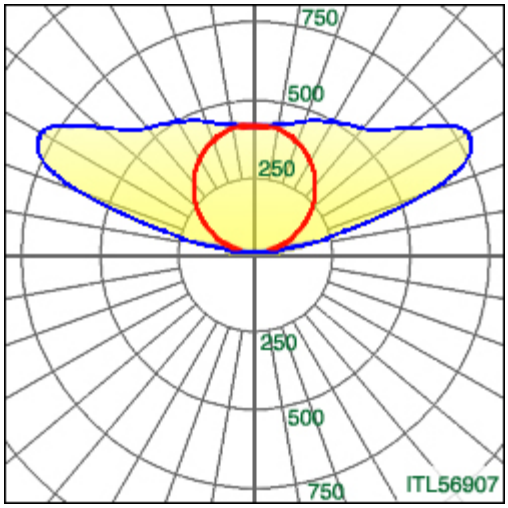
Click to print

General Information



Length: 47-1/2" (1206mm)
Lamp type: F28T5 Standard output
Optics: Std.
% Light Direct: 0%
% Light Indirect: 100%
Total Efficiency: 78.8%
Total Lamp Lumens: 2900

Light Levels and Power



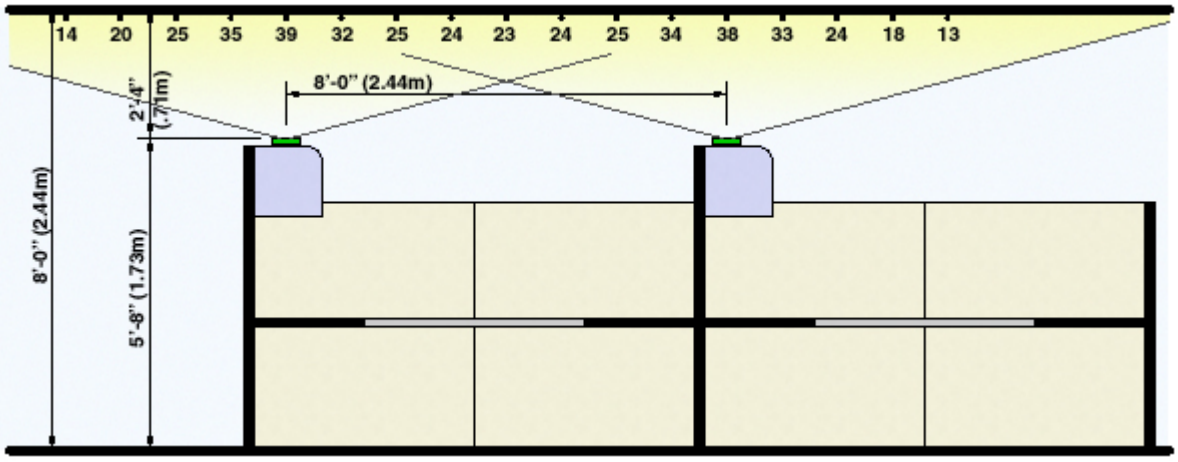
180-0 Degrees, 90-270 Degrees

W/SF	Average Room Illuminance at 30" A.F.F.
0.6	16 FC
0.8	21 FC

Note:
Illuminance is based on a minimum of 10 workstations.
Light levels will be 10-15% greater in large rooms with more workstations.
Ballast Factor: .98
Input Watts: 34
Maximum Candlepower at 117 deg = 789 cd

Download IES file

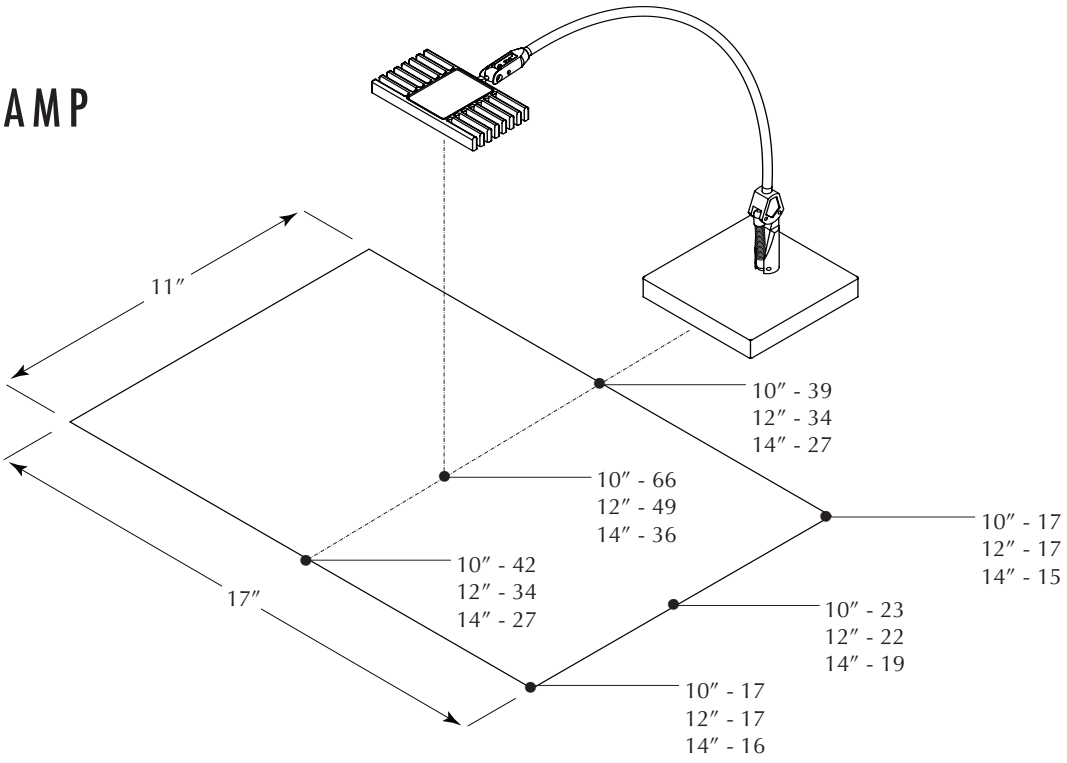
Illuminance Levels

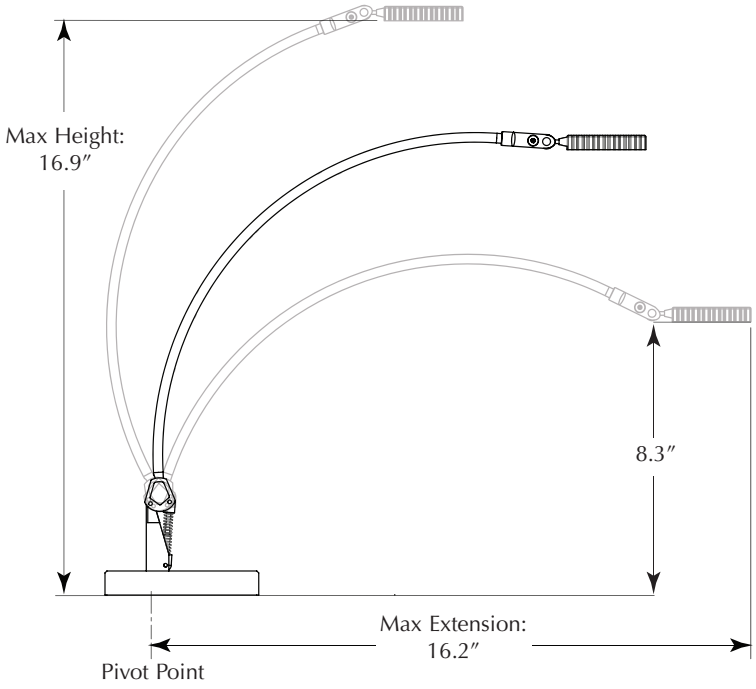


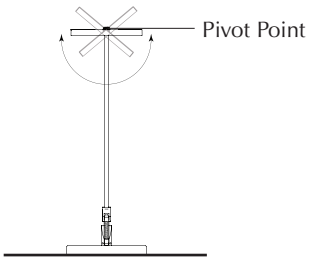
Illuminance calculations based on the Reflectance's: Room 80/50/20, Desktop 60, Partitions 45.
Ceiling height: 8'-0" Work Surface Height: 29" Mounting height: 68" LLF= 1
Tambient Luminaire length: 4'-0" All Illuminance values are in Footcandles
For high output lamp, multiply values by 1.72

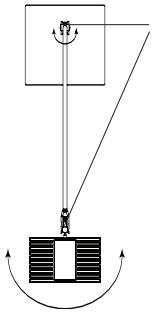
3W DESK LAMP

All measurements in footcandles based on the distance between the lamp head to the desk surface at 10″, 12″ and 14″.









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