

LED RECESSED TROFFER

THE POWER OF LIGHT
ILLUMADYNE

PROJECT NAME:

CATALOG #:

VOLTAGE:

WATTS:

FIXTURE TYPE:

CONTROLS TYPE:

HIGHLIGHTS

- All Aluminum Construction
- >90% Light transmission for Diffusing lens.
- Equipped with High Efficiency Samsung LED emitters
- Available with Standard 0-10VDC dimming
- >82 CRI
- Quick installation for low installation costs

CONSTRUCTION & MATERIALS

- L70 > 140,000 HRS
- Limited 7-Year Warranty, 10-Year Warranty Optional

LED SYSTEM

- Dimmable LED volumetric troffer is a great replacement for linear fluorescent light fixtures.
- Distinctive volumetric design minimizes glare and is designed to be used in various indoor lighting applications.
- Save up to 60% on energy costs when compared to fluorescent fixtures, and even more when utilizing the 0-10V dimming driver.
- Highest efficiency mid-power 2835 LED's from Samsung and Seoul Semiconductor.
- Illumadyne manufactures its own LED Light Engines and configures them for the optimum in efficiency and thermal management through the use of all Aluminum PCB's.
- Combined with the latest high efficiency drivers and our LED Modules, Illumadyne is able to achieve over 145 LPW for system efficacy.
- All drivers are equipped with short circuit and over temp protection.
- Built in 6KVA Surge Protection



ORDERING EXAMPLE: RT - XX - XXX - (XX) - X - XXXX - [OPTIONS] - XXX

ORDERING GUIDE

SERIES	POWER LEVEL	VOLTAGE	CONFIGURATION	CCT
14RT 22RT 24RT	BLANK (Normal Efficiency) HE (High Efficiency)	UNV (120-277V)	21 (2' x 1 BARS) 22 (2' x 2 BARS) 41 (4' x 1 BARS) 42 (4' x 2 BARS)	3500 3500K 4000 4000K 5000 5000K
Notes:	Notes:	Notes:	Notes:	Notes:

OPTIONS

BBU (4w Battery Backup)
10MC (10' Metal Armored Cable)
DGA (Drywall Grid Adapter)

LENSING

DLP (Diffuse Lens Polycarbonate)
DLA (Diffuse Lens Acrylic)

Notes:

Notes:



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SPECIFICATIONS

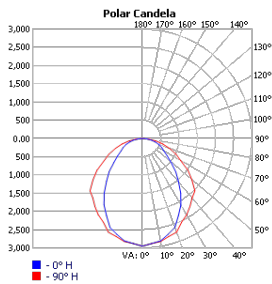
FIXTURE	# BARS	SYSTEM WATTS	DELIVERED LUMENS	EFFICACY LUMENS/W	CRI	CCT (°Kelvin)	T8 EQUIVALENT
14RT HE UNV 42	2	25	3,600	145	>80	3,500-5,000	2 x 32
14RT UNV 42	2	25	3,600	145	>80	3,500-5,000	2 x 32
22RT HE UNV 22	2	25-35	3,500-4,800	135-140	>80	3,500-5,000	3 x 32
22RT UNV 22	2	25-35	3,500-4,800	135-140	>80	3,500-5,000	3 x 32
24RT HE UNV 42	2	25-35	3,600-4,900	140-145	>80	3,500-5,000	4 x 32
24RT UNV 42	2	40-60	5,600-8,500	135-140	>80	3,500-5,000	4 x 32

SYSTEM WATTS @ 120 VAC

Delivered Lumens Based on 5000K CCT

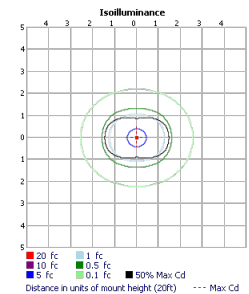
PHOTOMETRY

4TR-UNV-42-5000 Report #: 19077.0 | Total Luminaire Output: 7323.6 lumens; 62.0 Watts | Efficacy: 118.1 lm/W | 82 CRI; 5000K CCT

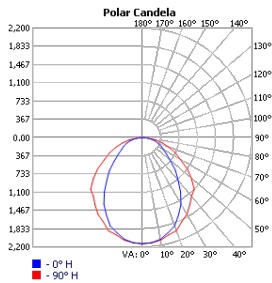


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE		
		0°	45°	90°
	0	2949	2949	2949
	10	2850	2858	2866
	20	2596	2673	2731
	30	2102	2314	2415
	40	1529	1936	2116
	50	1022	1507	1767
	60	676	1019	1208
	70	479	586	783
	80	249	328	369
	90	0	0	0
	100	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-30	2,185.4	29.8%
	0-40	3,489.9	47.7%
	0-60	5,878.0	80.3%
	60-90	1,445.6	19.7%
	70-100	659.7	9%
	90-120	0.000	0%
	0-90	7,323.6	100%
	90-180	0.000	0%
	0-180	7,323.6	100%

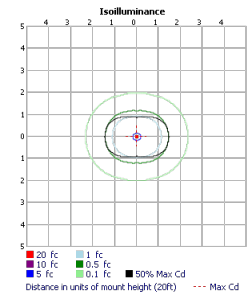


24TR-UNV-42-HE-5000 Report #: 19208.0 | Total Luminaire Output: 5315.9 lumens; 41.0 Watts | Efficacy: 129.7 lm/W | 82 CRI; 5000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE		
		0°	45°	90°
	0	2134	2134	2134
	10	2077	2085	2094
	20	1890	1949	1994
	30	1547	1705	1783
	40	1110	1407	1534
	50	741	1091	1283
	60	485	738	874
	70	340	420	559
	80	177	233	267
	90	0	0	0
	100	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-30	1,600.4	30.1%
	0-40	2,553.3	48%
	0-60	4,280.8	80.5%
	60-90	1,035.1	19.5%
	70-100	471.7	8.9%
	90-120	0.000	0%
	0-90	5,315.9	100%
	90-180	0.000	0%
	0-180	5,315.9	100%



LED RECESSED TROFFER

FIXTURE DETAILS

FIXTURE	1x4	2x2	2x4
A	47.75"	23.75"	47.75"
B	11.75"	23.75"	23.75"
C	4.25"	4.25"	4.25"

