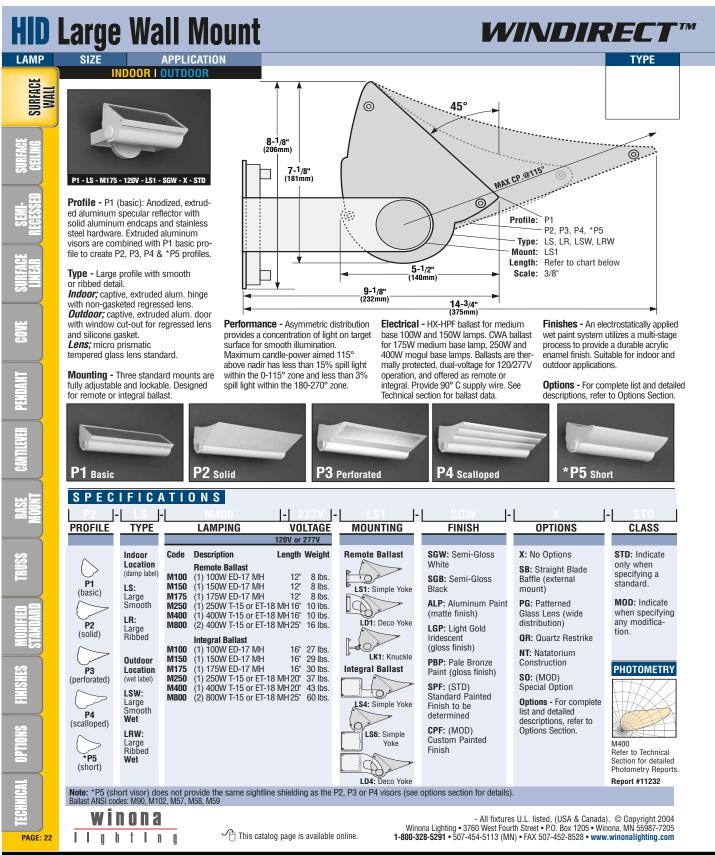


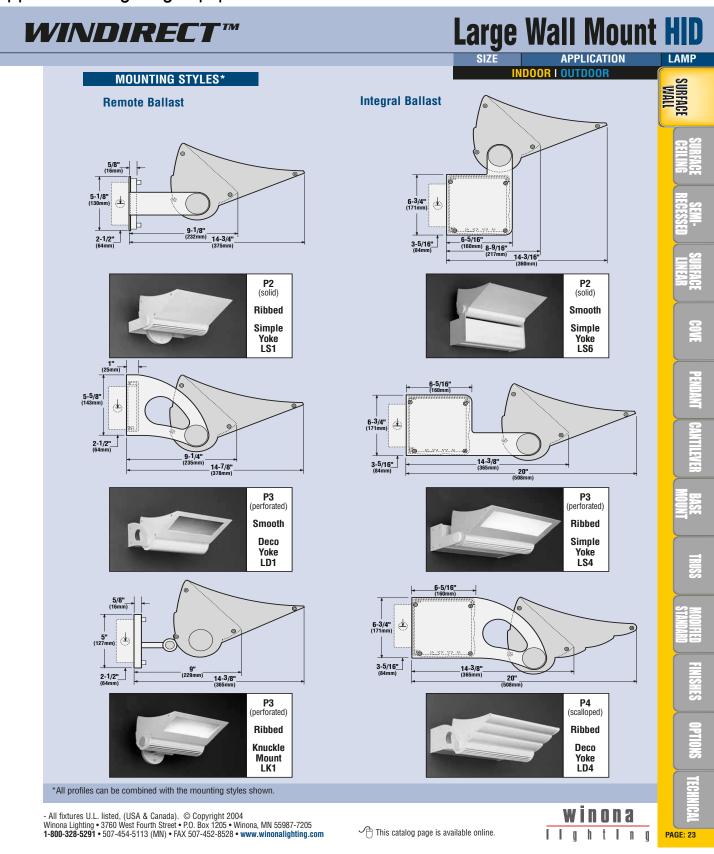
Fixture Label	Description	Fixture Cat No.	#	Lamp Type	Lamp Cat. No.	CRI	ССТ	Ballast Type	Ballast Cat. No.	Lamps per ballast
F1	Wall mounted metal halide uplight	P2-LS-M150-LS1- SGW	1	ED 17	MCG150/U/M3K ALTO	85	3000	Electronic	Advanced Transformer 71A5437BP	1
F2	Compact fluorescent decorative pendant	American Glass Light 6118-U	2	Quad	CFQ18W/G24Q/83 0	82	3000	DALI dimming	Sylvania QTP2x18CF/ UNV DALI	2
F3	CFL recessed mounted circular downlight	Erco 22151	2	Triple Tube	Sylvania CFTR32W/GX24Q/ 830	82	3000	DALI dimming	UNV DALI	2
F4	Surface mounted decorative downlight	Magic-1/32W/CF GX24Q3 277 GLASS Louis Poulsen	2	Triple Tube	CFTR32W/G24Q/8 30	82	3000	DALI dimming	Sylvania QTP2x32CF/ UNV DALI	2
F5	Incandescent table lamp	PH4 1/2-T- 1/100W/A19/IF MED/120 GLASS	1	A19	100A/CL/DL/RP	100	n/a	n/a	n/a	n/a
F5a	Incandescent floor lamp	Louis Poulsen PH4 1/2-F- 1/100W/A19/IF MED/120 GLASS	1	A19	100A/CL/DL/RP	100	n/a	n/a	n/a	n/a
F6	Recessed wall mounted LED steplight	Erco 33730.000	1	LED	n/a	n/a	n/a	n/a	n/a	n/a
F7	Cove mounted fluorescent covelight	Prudentail SC-1T5-04	1	Т5	Sylvania FP28/830/ECO	82	3000	DALI dimming	UNV DALI	1
F8	Wall mounted compact fluorescent decorative sconce	OSW-1/18W/CF GX24Q-3/4-277- WHT	1	Quad	CFQ18W/G24Q/83 0	82	3000	DALI dimming	UNV DALI	2
F9	CFL surface mounted downlight	Lightolier 3040PB218U	2	Quad	Sylvania CFQ18W/G24Q/83 0	82	3000	Dali Dimming	Sylvania QTP2x18CF/ UNV DALI	1
F10	Cove mounted fluorescent striplight	Prudentail PT8W-SS-STD- 1T8-04-BWE-SC	1	Т5	Sylvania FP28/830/ECO	82	3000	Dali Dimming	Sylvania QTP2x28T5/ UNV DALI	2
F11	Recessed halogen downlight	Lucifer DL1G	1	MR16	Sylvania 20MR16/T/FL40	100	3000	n/a	n/a	1
F12	Recessed halogen spotlight	Lucifer DL2G	1	MR16	Sylvania 20MR16/T/NSP10	100	n/a	n/a	n/a	1
F12a	Recessed halogen spotlight	Lucifer DL2G	1	MR16	Sylvania 50MR16/T/NSP10	100	n/a	n/a	n/a	1
F13	Semi direct CFL bollard	Louis Poulsen SAB/1/32/CF/ GX24q-3	1	Triple Tube	Sylvania CFTR32W/GX24Q/ 830	82	3000	DALI dimming	Sylvania QTP2x32CF/ UNV DALI	1
F14	Semi direct CFL sconce	Louis PoulsenORW-MAX 1/32/CF GX24-q- 3/4	1	Triple Tube	Sylvania CFTR32W/GX24Q/ 830	82	3000	DALI dimming	Sylvania QTP2x32CF/ UNV DALI	1
F15	Recessed flourescent linear downlight	Focal Point FAVB- PL-1T5	1	T5	Sylvania FP28/830/ECO	82	3000	DALI dimming	Sylvania QTP1x28T5/ UNV DALI	1
F16	Wall mounted compact fluorescent sconce	Manning PS44-12-PLC-W	1	Quad	Sylvania CFQ13W/G24Q/83 0	82	3000	Dali Dimming	UNV DALI	1
F17	Suspended indirect fluorescent pendant	Lightolier 48228ALU	2	T5	FP28/830/ECO	82	3000	DALI dimming	Sylvania QTP2x28T5/ UNV DALI	2
F18	Desk task light	Erco 33170.000	1	Capsul	50T4Q/CL/AX	100	n/a	n/a	n/a	n/a
F19	Semi direct CFL pole mounted fixture	Louis Poulsen SATT- MAX/1/32W/CF/G X24q-3/4	1	·	Sylvania : CFTR32W/GX24Q/ 830	82	3000	DALI dimming	Sylvania QTP2x32CF/ UNV DALI	1
F20	In grade LED orientation luminaire	Erco 38782.000	1	Dynamic Color changing LED	n/a	n/a	n/a	n/a	n/a	n/a

Project: The Franklin Care Center Jennifer Curley
April 5,2006

Luminaire Schedule



Project: The Franklin Care Center Jennifer Curley April 5,2006 Fixture Type F 1



Project: The Franklin Care Center Jennifer Curley April 5,2006 Fixture Type F1

Product Spec Sheet for Jimmy B. Uplight

http://www.americanglasslight.com/SpecSheet.asp

American Glass Light Product Spec Sheet:

Fixture Name: Jimmy B. Uplight



Catalog #: 6118-U

Selected Width: 19"

Selected Height: 14"

Selected Lamping: (2) 18W Quad Tube Compact Fluorescent

Selected Glass/Panel: White Sandblasted Glass

Selected Finish: Polished brass

Additional Details: Weight for standard lamping 19" width: 10 Lbs. Weight for standard lamping 23" width: 12 Lbs. Weight for standard lamping for 35" width: 33 Lbs. 54" diameter available by special order. 6123-U also available with 16" overall height using (3) 60W A lamps. Metal Halide lamping uses Phillips P100 CDM/C/U/M (or equal). Metal Halide lamp suitable for use in an unshielded fixture. Each lamp is provided with one autotransformer, dual voltage (120/277V), magnetic, encased and potted, 100W M-90 ballast for remoting a maximum of 15 feet from lamp. A wiring compartment is provided on one end for splicing lamp and ballast leads. For 32" diameter (or larger) fixtures, (3) lamps are standard unless (4) lamps are ordered. Dimensions, finishes, and lamping ship standard as listed unless special order options are requested.

120 volts is standard unless other voltage is ordered.

Your Notes:

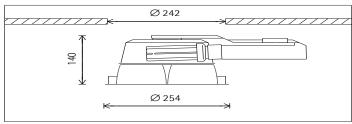
When specifying this product, please indicate all selected options so we have complete information when an order is placed.

1/21/2006 1:59 PM

CL downlight **ERCO**

for TC-T lamps



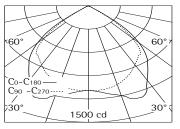








10 PE



2×TC-TEL 32W GX24q-3 2400lm

UGR CO 20.9 19.8 UGR C90 65° < 200 cd/m²

22151.000 Reflector silver 2×TC-TEL 32W GX24q-3 2400lm ECG DALI

Product description

Housing: Cast aluminium, designed as heat sink.
Mounting ring: cast aluminium, white (RAL9002) powder-coated.
Tools not required for mounting with 4-point support and screw fixing.

Junction box for through-wiring, 5-pole terminal block, integral cable clamp. Electronic control

gear. Upper reflector: Aluminium, silver

anodised. 4-cell Darklight reflector: Plastic, mirror-finish aluminium vaporised. Scratch-resistant special coating. Cut-off angle 30°. Weight 2.40kg

ERCO Leuchten GmbH Postfach 24 60 58505 Lüdenscheid Tel.:+49 2351 551-0 Fax.:+49 2351 551-300 info@erco.com Technical Region: 230V/50Hz Edition: December 16, 2005 Please download the current version from www.erco.com/22151.000

ERC(

CL downlight

Planning data

22151.000 TC-TEL 32W GX24q-3 2400lm

P: 66 W P*: 3.0 W/m² Connected load Connected load per 100lx Number of luminaires per 100lx n*: 4.6 1/100m²

TC-TEL 32W GX24q-3 2400lm 100lx 200lx 300lx 500lx 5 10 14 23 22151.000 Number of luminaires per 100m² for

TC-TEL 32W GX24q-3 2400lm 1.2x1.8 1.8x1.8 1.8x2.4 2.4x2.4 1013 676 507 380 22151.000 Module (m) Illuminance E_n (lx) 1013

N D P 0.69 0.59 0.84 0.95 0.94 0.97 Cleaning (a) Ambient conditions C 0.89 C 0.80 RSMF

0.99 0.97 4000 6000 8000 10000

1000 0.97 1 2000 0.92 Hours of operation (h) LLMF LSF 88.0 0.85 1 0.83 0.83

MF MF LMFxRSMFxLLMFxLSF

LMIFARSIMIFALLMIFALSF
Maintainance Factor
Lumiaire Maintenance Factor
Room Surface Maintenance Factor
Lamp Lumens Maintenance Factor
Lamp Survival Factor
Room pure
Room clean
Room normal

Room dirty

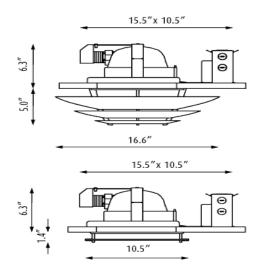
Correction table

Ce	iling	0.70	0.70	0.70	0.50	О
Wa	all -	0.70	0.50	0.20	0.20	О
Flo	or	0.50	0.20	0.20	0.10	О
k	0.6	77	58	49	48	45
k	1.0	100	77	69	67	63
k	1.5	116	91	84	80	77
k	2.5	129	100	95	90	86
k	3.0	134	103	99	93	89

CL downlight

Magic Glass/Oslo

Design: Kurt Nørregaard and Louis Poulsen



Specification

Magic series consist of two different lighting characteristics, depending on the chosen trim. The Glass trim provides a mainly direct downward illumination, adding a soft green tone of light to the ceiling. The Oslo trim provides indirect and distinct general illumination and produces a visually comfortable ambience as a result of light being emitted between the shades.

Finish Partly silk-screened, soda lime glass. White, wet painted.

M a terial Shades: Spun aluminum. Glass: Partly silk-screened, soda lime glass. Reflector. Spun aluminum, matte anodized or spun dad aluminum, polished. Trim ring: Die cast satin matte aluminum.

M o u n t i n g Semi-recessed: Mounting frame with two vertically adjustable brackets spaced equally at 180° to be installed prior to dosing the ceiling. Ceiling types: Accessible and non-accessible ceilings. Ceiling cut

Weight Max. 9 lbs.

Label dJL, Dry location. IBEW. 1 | Product code MAGIC

2 | Light source 1/18W/CF G24q-2 1/200W/A-23/IF medium 1/26W/32W/CF GX24q-3 1/32W/CF GX24q-3 2/18W/CF G24q-2 2/26W/32W/CF GX24q-3 2/26W/CF GX24q-3 2/32W/CF GX24q-3 2/32W/CF GX24q-3

3 | Voltage 120-277V 120/277V 120V 277V

4 | Finish GLASS WHT

5 | Distribution/Trim GLASS OSLO

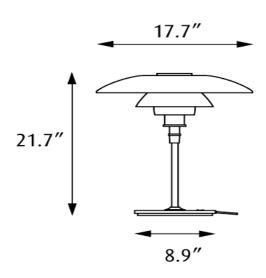
6 | Reflector MATTE POLISHED

7 | Options NOT APPLICABLE EMPK LUTRON HI-LUME Specification notes:
a. Provided with one 120-277V integral electronic ballast. b. Incandescent variant is only available in 120V. c. EMPK (emergency power pack) is available in dual tap 120/277V. d. DIM-D ESI 120-277V is digital dimming. e. LUTRON HI-LUME 120V or 277V is digital dimming.

www.louispoulsen.com

PH 4½-3½ Glass Table

Design: Poul Henningsen



PH 4½-3½ Glass Table (1927) provides soft illumination. The PH 4½ family is based on the principle of a reflecting multi-shade system, producing a harmonious and glare free illumination. The shades are drawn over a logarithmic spiral, with the center of the light source placed in the spiral's focal point.

Finish White opal glass. High lustre chrome plated.

Material Shades Handblown white opal glass Base: High lustre chrome plated, spun brass Top plate: High lustre chrome plated, spun brass Stem: High lustre chrome plated,

Mounting Cord type: Black Cord length: 9'. Plug: 120V.

Weight Max 22 lbs

Label dl., Dry location, IBEW.



Specification

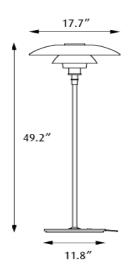
- 1 | Product code | PH4½-3½-T
- 2 | Light source | 1/100W/A-19/IF medium
- 3 | Voltage | 120V
- 4 | Finish GLASS

Info notes
I. On/off switch located in the base. II.
All handblown opal glass shades are sandblasted on the undersides for uniform light distribution III. The comparable EU version has the following dassification: Ingress Protection Code: IP20.

www.louispoulsen.com

PH 41/2-31/2 Glass Floor

Design: Poul Henningsen



PH 4½-3½ Glass Floor (1927) provides soft illumination. The PH 4½ family is based on the principle of a reflecting multi-shade system, producing a harmonious and glare free illumination. The shades are drawn over a logarithmic spiral, with the center of the light source placed in the spiral's focal point.

Finish White opal glass High lustre chrome plated.

Material Shades Handblown white opal glass Base: High lustre chrome plated, spun brass. Top plate: High lustre chrome plated, spun brass Stem: High lustre chrome plated, steel.

Mounting Cord type: Black Cord length: 9'. Plug: 120V.

Weight Max 34 lbs

Label dJL, Dry location. IBEW.



Specification

- 1 | Product code | PH4½-3½-F
- 2 | Light source | 1/100W/A-19/IF medium
- 3 | Voltage | 120V
- 4 | Finish GLASS

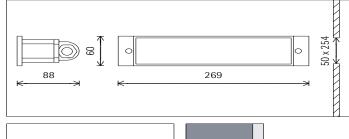
Info notes
Info notes
Info notes
I. In-line on/ off foot switch provided II.
All handblown opal glass shades are sandblasted on the undersides for uniform light distribution III. The comparable EU version has the following dassification Ingress
Protection Code: IP20.

www.louispoulsen.com

ERCO Axis Walklight

with LED



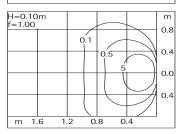




33730.000 Graphit m LED White LED 1.7W 230V AC 20Im

Product description

Housing: corrosion-resistant cast aluminium, No-rinse surface treatment. Graphit m double powdercoated. Mounting bracket: metal. 2 cable entries. Through-wiring possible. 3-pole terminal block. Asymmetric reflector lens system: aluminium, silver anodised. Optimised screening for the LEDs ensures no direct light emission. Replaceable LED module. Cover frame with Softec lens: corrosion-resistant cast aluminium, graphit m double powder-coated. Protection mode IP65: dust-proof and water jet-proof. On site protection must be provided using a residual current circuit breaker, FI<30mA. Weight 0.85kg



IP65

Cleaning (a)	1				2				3			
Ambient conditions	Р	C	Ν	D	Р	C	Ν	D	Р	C	Ν	D
LMF	0.98	0.94	0.90	0.86	0.95	0.91	0.86	0.81	0.94	0.90	0.84	0.79
RSMF	0.99	0.98	0.96	0.95	0.97	0.96	0.95	0.94	0.97	0.96	0.95	0.94

MF LMFxRSMFxLLMFxLSF
MF Maintainance Factor
LMF Lumiaire Maintenance Factor
RSMF RSMF LLMF Lamp Lumens Maintenance Factor
LSF Lamp Survival Factor
Room pure

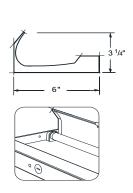
P Room pure
C Room clean
N Room normal
D Room dirty

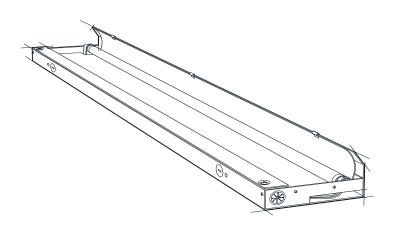
ERCO Leuchten GmbH Postfach 24 60 58505 Lüdenscheid Germany Tel.:+49 2351 551-0 Fax::+49 2351 551-300 info@erco.com Technical Region: 230V/50Hz Edition: December 16, 2005 Please download the current version from www.erco.com/33730.000

1/2

Type
Job Name
Catalog Number

Cove & Perimeter SUPER COVE





ordering

series	lamp rows	nominal length	voltage	options
SC				
	1T8	02'	120	PAF
	1T5	03'	277	EML*
	1T5HO	04'	347*	EMH*
		06'	*T8 & T5HO only	DM
		08'		RSE*†
		R*		10THD [†]
		*row length		В
				FH
				QC
				*consult factory for fixture lengths < 4' †T8 only

Applications Coves, retail, lobbies, small offices, conference rooms.

Features A low-profile cove lighting system designed for T5/HO or T8 lamps with a unique 3-piece optical system. Formed 95 percent reflective specular aluminum reflector throws light at low angles. Galvanized steel bottom reflector directs and diffuses light on ceiling to eliminate striations while limiting uplight. White backlight reflector fills the cove cavity with light, limiting socket shadow.

Construction The housing, available in 2-, 3-, 4-, 6- or 8-foot standard lengths, and end plates are made of die-formed, 20-gauge steel. The three part reflector system is die-formed from 95 percent reflective specular aluminum, 20-gauge steel and galvanized steel.

Finish The standard exterior body color is white enamel.

Electrical T8 fixtures have instant-start electronic ballasts with less than 20% THD. T5/HO fixtures have programmed-start electronic ballasts with less than 10% THD. Fixtures are U.L. Damp labeled (non-emergency) and I.B.E.W. manufactured. Maximum ballasts size available: 15/8" width x 11/4" height.

Mounting Fixture is to be surface-mounted within concealed coves.

Options PAF: painted after fabrication; EML: emergency battery (T5/HO=700 lumens; T8=600 lumens); EMH: emergency battery (T5/HO=1200 lumens; T8=1200 lumens); DM: dimming (consult factory); RSE: rapid-start electronic (T8 only); 10THD: ballast with < 10% total harmonic distortion; (T8 only); B_: specific ballast, specify manufacturer and catalog number (consult factory); FH: fixture fusing (slow blow); QC: quick-connect circuit assemblies.

Prudential Lighting phone 213.746.0360 fax 213.741.8590 www.prulite.com

03**01**

Project: The Franklin Care Center Jennifer Curley April 5,2006 Fixture Type F7

SUPER COVE Cove & Perimeter

photometric data

SC-1T5HO-04

Report # LSI16391 D=0.0% L=100.0% L=100.0% Input Watts: 58 2500 150° 1875 1250 90° 625 1250 60°

Candlepower Summary								
Vertical Angle	0°	Hori 22.5°		l Ang 67.5°		Output Lumens		
90	0	48	35	79	39			
95	10	584	840	1069	911	385		
100	37	821	1350	1858	1802			
105	74	753	1615	2064	2149	723		
110	111	633	1686	2253	2400			
115	147	567	1557	2225	2455	694		
120	183	543	1356	2027	2335			
125	222	564	1154	1759	2076	519		
130	256	616	1001	1492	1764			
135	290	646	892	1257	1473	359		
140	323	660	835	1082	1230			
145	349	652	838	938	1056	249		
150	374	652	848	916	946			
155	395	644	810	905	933	174		
160	413	646	761	838	881			
165	427	616	707	756	788	96		
170	439	564	671	690	701			
175	446	499	564	575	603	28		
180	429	429	429	429	429			

Zonal Lumen Summary Zone % Lamp % Luminaire 0-90 0.00 0.00 0-180 75.74 100.00

Peak Candela = 2458 @ 112.5° Peak : Zenith Ratio = 5.7 : 1

Efficiency = 75.7%

Coefficients of Utilization (%)

Floor	effective floor	cavity reflectan	ce = .20
Ceiling	80	70	50
Wall	70 50 30 10	70 50 30 10	50 30 10
RCR 0	72 72 72 72	62 62 62 62	42 42 42
1	66 63 60 57	56 53 51 49	37 35 34
2	60 54 50 47	51 47 43 40	32 30 28
3	54 48 43 39	46 41 37 34	28 26 24
4	50 42 37 33	42 36 32 28	25 22 20
5	45 37 32 28	39 32 27 24	22 19 17
6	42 33 28 24	35 28 24 21	20 17 15
7	38 30 24 20	32 25 21 18	18 15 12
8	35 27 21 18	30 23 18 15	16 13 11
9	32 24 19 15	28 21 16 13	14 12 09

photometric data

Candlepower Summary							
ertical	Output						
Angle	0°	22.5°	45°	67.5°	90°	Lumens	
90	2	138	316	518	556		
95	17	258	493	704	757	248	
100	44	360	605	855	917		
105	81	373	695	903	974	328	
110	118	382	717	959	1042		
115	156	399	699	934	1044	325	
120	192	422	685	887	986		
125	227	451	672	852	937	287	
130	260	481	669	820	897		
135	292	509	653	798	857	245	
140	319	530	660	756	827		
145	349	547	663	739	778	197	
150	373	545	664	725	759		
155	393	536	652	709	734	142	
160	410	520	637	679	703		
165	424	502	592	635	660	90	
170	434	483	538	560	584		
175	440	460	485	486	500	24	
180	430	430	430	430	430		

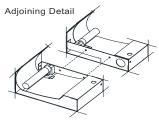
Zonal Lumen Summary Zone % Lamp % Luminaire 0-90 0.00 0.00 0-180 71.58 100.00 Efficiency = 71.6%

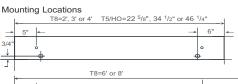
Peak Candela = 1053 @ 112.5° Peak : Zenith Ratio = 2.4 : 1

Coefficients of Utilization (%)

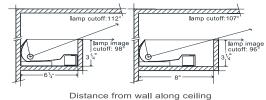
	effective floor		
Ceiling Wall	80 70 50 30 10	70 70 50 30 10	50 50 30 10
RCR 0	68 68 68 68	58 58 58 58	40 40 40
1	62 59 57 54	53 51 49 46	35 33 32
2	56 51 47 44	48 44 41 38	30 28 26
3	51 45 41 37	44 39 35 32	27 24 22
4	47 40 35 31	41 34 30 27	23 21 19
5	43 35 30 26	36 30 26 23	21 18 16
6	39 31 26 22	33 27 23 19	19 16 14
7	36 28 23 19	31 24 20 17	17 14 12
8	33 25 20 17	28 22 17 14	15 12 10
9	31 23 18 14	26 20 15 13	14 11 09

installation





Mounting Details



Biotarios ironi wali along colling						
cove to	Peak	6 ¼"	cove	8" cove		
ceiling	Candela @ 112.5°	lamp	lamp image	lamp lamp image		
12"	27"	27"	70"	37"	91"	
18"	42"	42"	112"	57"	148"	
24"	57"	57"	155"	77"	205"	

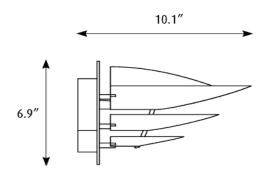
$\overline{}$	Ψ	Ψ					
Ţ							
		T8=6' or 8'		T5/HO=68 ⁷ /8" or 92 ¹ /2"			1
-	5" <		← 10" →		→	5"	—
	,	_			,		
_	+		+ +		- +	6"	-
-	6" ←	ŀ	12"		_	6	_

In an effort to continually provide the highest quality products, Prudential reserves the right to change design specifications and/or materials, without notice.

Prudential Lighting 1737 E. 22nd St. Los Angeles, CA 90058 phone 213.746.0360 fax 213.741.8590 www.prulite.com

Oslo Wall

Design : Kurt Nørregaard



Oslo Wall creates indirect illumination and produces a visually comfortable ambience as a result of light being emitted between the shades. The lighting characteristics make it ideal for accent illumination.

Aluminum, brushed & lacquered. White, wet painted.

Shades: Brushed aluminum or spun aluminum. Diffuser: . Back plate: Die cut

M o u n t i n g Surface: Mounted directly to finished surface over a recessed 4" octagonal junction box.

Weight Max. 7 lbs.

Label



Specification

- 1 | Product code OSW

- Finish ALU WHT

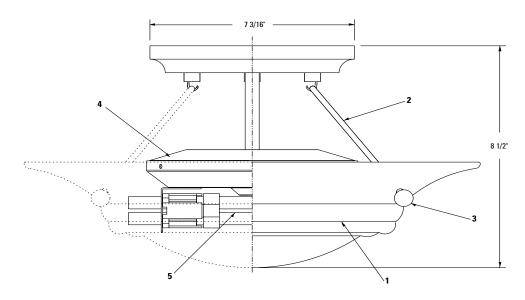
- Specification notes: a. Provided with one 120-277V electronic ballast
- Light source
 1/26W/32W/42W/CFGX24q-3/4
 Voltage
 Voltage
 Following dassification: Ingress
 Protection Code: IP20



Decorative Provence® 3040

Page 1 of 1

Suspended Indirect Close-To-Ceiling



Information							
Catalog Number	Finish	Diffuser Dia. x Ht.	Mounting Rod Length	Ballast	Lamp		
3040PB 3040PB218U	Polished Brass	15 3/4" x 4" 15 3/4" x 4"	5 1/2" 5 1/2"	N/A Univ. Electronic 120/277V	(2) A19 60W max. (2) 18W Quad 4-Pin		

Features

- 1. Diffuser: Satin etched opal glass.
- Mounting Rod: Cast steel.
 Mounting Knob: Drilled and tapped steel ball.
- 5. Electrical Chassis: Die-formed 20 ga. steel, gloss white finish.
- 6. Lamps: Compact Fluorescent or Incandescent (by others).

Incandescent: (2) A19 60W Max.

Compact fluorescent: (2) 18W Quad tube

	General Electric	Osram/Sylvania	Philips
4-Pin	F18DBX/SPX*/4P	CF 18DD/E/*	PL-C18W/*/4P

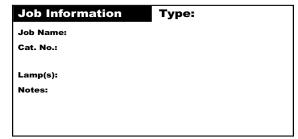
^{*} Manufacturers' color temperature designation.

Lampholders: Incandescent: Medium base, porcelain, nickel-plate screw shell Compact Fluorescent: 4-pin, G24q-2 base

Electronic 120/277V
42
.35 / .15
> .98
1.05
< 10%
-20°C (-4°F)

Labels

UL listed suitable for damp locations.

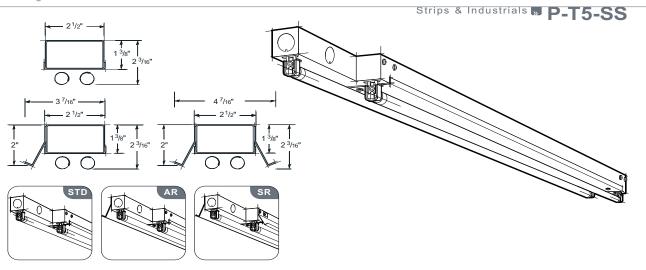


Lightolier a Genlyte Thomas Company www.lightolier.co 631 Airport Road, Fall River, MA 02720 ◆ (508) 679-8131 ◆ Fax (508) 674-4710 We reserve the right to change details of design, materials and finish. © 2002 Genlyte Thomas Group LLC (Lightolier Division) ◆ A0902 www.lightolier.com

Project: The Franklin Care Center Jennifer Curley April 5,2006

Fixture Type F9

Type
Job Name
Catalog Number



ordering

series	bod	y style	lamp rows	nominal length	color	/finish	circuiting	voltage	options
P-T5-									
SS staggered	STD	standard	1T5	02'	BWE*	white enamel	SC single circuit	120	AL
SS-TEL staggered	AR	asymmetric	2T5	03'	YGW	gloss white	DC* dual circuit	277	EML*
telescoping		reflector	1T5HO	04'	Y	premium color	(in-line)	347*	EMH*
	ARP	asymmetric reflector	2T5HO	06'	СС	custom color	*2 lamp only	*T5HO	DM
		perforated		08'	GLV	galvanized		only	В
	SR	symmetric reflector		R*	*standa	ard			FH
	SRP	symmetric reflector		*row length When specifying row length, telescoping					*consult fac for fixture lengths < .

Applications Concealed coves, perimeter systems, retail, schools.

Features A low-profile staggered T5 strip light with a 6" overlapping system. It also includes an innovative telescoping end module for greater dimensional flexibility. Choice of either perforated or solid, asymmetric or symmetric reflectors. Dimming ballasts and emergency batteries are also available.

Construction The housing, available in 2-, 3-, 4-, 6- or 8-foot standard lengths, is made of die-formed, 20-gauge steel.

Finish The standard exterior body color is white enamel (BWE) or optional gloss white (YGW) using polyester powder paint. Refer to ordering matrix for optional metal finishes or refer to **Defining Section** for optional paint colors. Optional reflectors are painted gloss white (YGW) unless other finish specified.

Electrical T5/HO fixtures have programmed-start electronic ballasts with less than 10%THD. Fixtures are U.L. Damp labeled and I.B.E.W. manufactured. Maximum ballast size available 15/8" width x 11/4" height.

Mounting Fixture is to be surface-mounted.

Options AL: aluminum body; EML: emergency battery (T5/HO=600-700 lumens); EMH: emergency battery (T5/HO=1100-1400 lumens); DM: dimming (consult factory); B_: specific ballast, specify manufacturer and catalog number (consult factory); FH: fixture fusing (slow blow).

m ⁰⁸15

Prudential Lighting phone 213.746.0360 fax 213.741.8590 www.prulite.com

Project: The Franklin Care Center Jennifer Curley April 5,2006 Fixture Type F10

P-T5-SS Strips & Industrials

photometric data P-T5-SS-STD-2T5HO-04-BWE

Report # LSI19352 D=81.7% I=18.3% Lamp Lumens: 4500 Input Watts: 122 1700 -150° 1275 120° 850 425 425 850

Vertical		Hori	zonta	l Ang	le	Output
Angle	0°	22.5°	45°	67.5°	90°	Lumens
0	1693	1693	1693	1693	1693	
5	1688	1683	1703	1695	1691	164
15	1624	1635	1680	1693	1701	471
25	1502	1538	1625	1679	1703	743
35	1326	1397	1539	1648	1692	953
45	1105	1219	1431	1581	1637	1080
55	849	1018	1289	1470	1537	1110
65	566	812	1115	1304	1374	1038
75	282	599	874	1045	1103	840
85	53	281	524	695	757	536
90	0	193	441	617	682	
95	0	256	509	676	736	488
105	0	152	489	748	844	474
115	0	63	339	564	650	320
125	0	1	191	373	446	179
135	0	0	59	191	245	74
145	0	0	0	35	68	13
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

Candlepower Summary							
Vertical	0°	Hori 22.5°		l Ang		Output	
Angle	U	22.5	45	67.5	90	Lumens	
0	1693	1693	1693	1693	1693		
5	1688	1683	1703	1695	1691	164	
15	1624	1635	1680	1693	1701	471	
25	1502	1538	1625	1679	1703	743	
35	1326			1648	1692		
45	1105			1581	1637	1080	
55	849	1018	1289	1470	1537	1110	
65	566	812	1115		1374	1038	
75	282	599	874	1045	1103	840	
85	53	281	524	695	757	536	
90	0	193	441	617	682		
95	0	256	509	676	736	488	
105	0	152	489	748	844	474	
115	0	63	339	564	650	320	
125	0	1	191	373	446	179	
135	0	0	59	191	245	74	
145	0	0	0	35	68	13	
155	0	0	0	0	0	0	
165	0	0	0	0	0	0	
175	0	0	0	0	0	0	
180	0	0	0	0	0		

P-T5-SS-STD-2T5-04-BWE Report # LSI19353 D=81.8% I=18.2% Lamp Lumens: 2610 Input Watts: 62 960 -150° 720 120° 480 240 240 480

photometric data

Candlepower Summary							
Vertical Angle	0°	Hori: 22.5°		1 Angl	90°	Output	
0 5 15 25 35 55 65 75 75 105 115 125 135 145 155 165 175 180	947 947 912 844 746 624 481 322 163 31 0 0 0 0 0 0 0	947 943 918 865 786 687 579 464 338 160 104 142 85 39 5 0 0	947 952 942 942 869 817 738 630 490 291 143 43 1 0 0 0	947 947 949 943 937 907 835 734 590 388 345 379 409 313 214 116 32 0 0	947 947 955 959 965 938 870 771 624 421 358 252 146 50 0 0	92 264 418 539 615 631 587 474 300 273 261 179 103 46 10 0	

Zonal Lumen Summary							
Zone	% Lamp	% Luminaire					
0-90	77.06	81.74					
90-180	17.22	18.26					
Efficiency = 94.3%							

Luminance Summary (cd/m²)							
Angle	0°	45°	90°				
45	26332	26142	27235				
55	24932	26354	27893				
65	22563	26817	28369				
75	18383	26438	27370				
85	10303	22386	24492				

Coefficients of Utilization (%)
-------------------------------	----

Floor Ceiling Wall		70	50
RCR 0	100 100 100 100	100 100 100 100	95 95 95
1	97 92 87 83	92 88 83 79	80 77 74
2	87 78 71 65	83 75 69 63	69 64 59
3	79 68 60 54	75 65 58 52	60 54 49
4	72 60 51 45	68 58 50 43	53 46 41
5	65 52 44 37	62 50 42 36	46 39 34
6	60 47 38 32	57 45 37 31	41 34 29
7	55 42 33 27	52 40 32 26	37 30 25
8	51 37 29 23	48 36 28 23	33 26 22
9	47 34 25 20	44 32 25 19	30 23 18
10	43 30 23 18	41 29 22 17	27 21 16

Zonal Lumen Summary

Zone	% Lamp	% Luminaire
0-90	75.11	81.79
90-180	16.72	18.21
Efficienc	v = 01.8%	

_uminance Summary (cd/m²)							
Angle	0°	45°	90°				
45	14858	14916	15598				
55	14122	15096	15782				
65	12852	15158	15908				
75	10584	14817	15477				
85	5915	12417	13627				

Coefficients of Utilization (%)

			cavity ref	lectance	
Ceiling Wall	70 50		70 70 50 3	0 10 5	50 50 30 10
RCR 0	100 100	100 100	100 100 10	0 100 9	93 93 93
1	94 89	85 81	90 86 8	1 77 7	78 75 72
2	85 76	70 64	81 73 6	7 62 6	67 62 58
3	77 66	59 52	73 64 5	7 51 5	59 53 48
4	70 58	50 44	67 56 48	8 42 5	52 45 40
5	64 51	42 36	60 49 4	1 35 4	15 38 33
6	58 45	37 31	55 44 30		
7	53 41	32 27	51 39 3	1 26 3	36 29 24
8	49 36	28 23	47 35 27	7 22 3	32 26 21
9	45 33	25 19	43 31 24	4 19 2	29 23 18
10	42 30	22 17	40 28 2	1 17 2	26 20 16

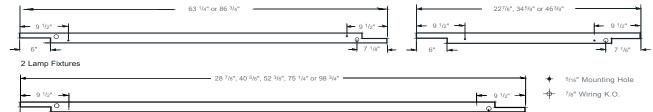
installation







1 Lamp Fixtures

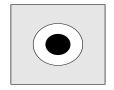


In an effort to continually provide the highest quality products, Prudential reserves the right to change design specifications and/or materials, without notice.

Prudential Lighting 1737 E. 22nd St. Los Angeles, CA 90058 phone 213.746.0360 fax 213.741.8590 www.prulite.com

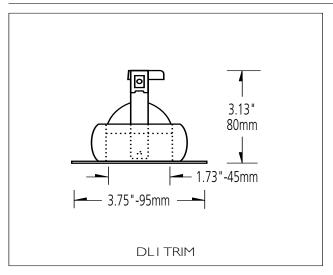
Project: The Franklin Care Center Jennifer Curley April 5,2006

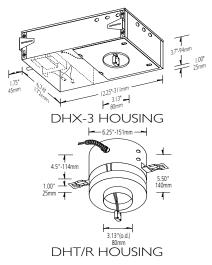
DLI - Fixed CompactRECESSED DOWNLIGHT



PRODUCT SPECIFICATION

1atte White 1atte Black Polished Chrome Polished Brass
,





GENERAL DESCRIPTION

Lucifer recessed downlight is a fixed low voltage fixture with **flush trim plate**. Round opening. Uses a quartz halogen lamp for superior color rendition and beam control. Clear glass lens is supplied with fixture.

MOUNTING

Use with DHX-3 housing with integral magnetic or electronic transformer for non-IC, accessible ceilings only. Use with DHT/R housing and remote transformer for non-IC, accessible ceilings only. DHT/R housing includes 5 foot conduit with leads and pre-wired mating connectors for quick trim connection. Hanging bars and brackets are included.

MATERIAL

Trim is constructed of steel. Fixture housing is riveted aluminum.

ACCESSORIES

Trim may be accessorized with Frosted Glass Lens (FGL-2), Linear Spread Lens (LSL-2), MR-11 Lamp Adapter (LA), Honeycomb Louvre (HCL-2), Spread Glass Lens (SGL-2) and Ultra Violet Glass Lens (UVL-2).

LABE

U.L. listed trim and housings for dry and damp, non-IC locations. Accessible ceilings only. File No. E115025.

ELECTRICAL

Trim is pre-wired for use in housing assembly.

414 Live Oak Street San Antonio, Texas 78202 Phone 210 227-7329 FAX 210 227-4967 www.luciferlighting.com

TRANSFORMER

DHX-3 housing is supplied with an integral 120v or 277v primary, 12v secondary magnetic transformer or 120v primary, 12v secondary electronic transformer. DHT/R housing is powered by remote transformer sized to load (order separately). Standard 120v primary, 12v secondary. All transformers are fully dimmable.

LAMP

12v MR-16 halogen lamp, 50w maximum (order separately). Specify lamp beam spread. Manufacturer recommends use of Osram Sylvania's energy saving 37w Tru-Aim® IR halogen lamps which convert more energy into light than conventional 50w MR-16 lamps. Tru-Aim® IR halogen lamps can be ordered from Lucifer Lighting for use in fixture. See luciferlighting.com for lamp specification logic.

ENERGY CONSERVATION

Manufacturer recommends use of Osram Sylvania's energy saving 37w Tru-Aim® IR halogen lamps which convert more energy into light than conventional 50w MR-16 lamps. Tru-Aim® IR halogen lamps can be ordered from Lucifer Lighting for use in fixture. See luciferlighting.com for lamp specification guide.

WARRANTY

Manufacturer's one year warranty of product is conditioned on use of manufacturer supplied transformers.

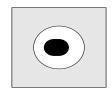
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As part of its policy of continuous research and product development, the
Company reserves the right to change or withdraw specifications without

0925-1004

Fixture Type F11

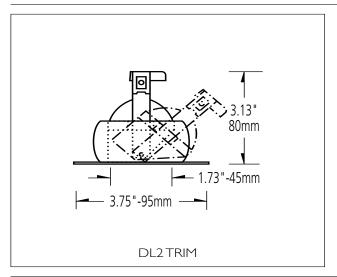
DL2 - Adjustable Oval Compact

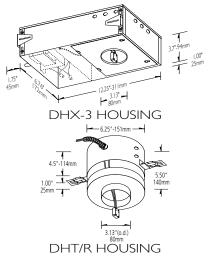
RECESSED DOWNLIGHT



PRODUCT SPECIFICATION

Cat. No.	Finish
DL2W	Matte White
DL2B	Matte Black
DL2C	Polished Chrome
DL2G	Polished Brass





Lucifer recessed downlight is an adjustable low voltage fixture with flush trim plate. Oval opening offers 45° aiming from vertical and is lockable from below. Lamp holder features registered yoke to allow secure placement of up to three lenses/louvers and includes internal collar to prevent light leaks. Uses a halogen lamp for superior color rendition and beam control. Clear glass lens is supplied with fixture.

Use with DHX-3 housing with integral magnetic or electronic transformer for non-IC, accessible ceilings only. Use with DHT/R housing and remote transformer for non-IC, accessible ceilings only. DHT/R housing includes 5 foot conduit with leads and pre-wired mating connectors for quick trim connection. Hanging bars and brackets are included.

Trim is constructed of steel. Fixture housing is riveted aluminum.

ACCESSORIES

Trim may be accessorized with Frosted Glass Lens (FGL-2), Linear Spread Lens (LSL-2), MR-11 Lamp Adapter (LA), Honeycomb Louvre (HCL-2), Spread Glass Lens (SGL-2) and Ultra Violet Glass Lens (UVL-2).

U.L. listed trim and housings for dry and damp, non-IC locations. Accessible ceilings only. File No. E1 15025.

ELECTRICAL

Trim is pre-wired for use in housing assembly.

DHX-3 housing is supplied with an integral 120v or 277v primary, 12v secondary magnetic transformer or 120v primary, 12v secondary electronic transformer. DHT/R housing is powered by remote transformer sized to load (order separately). Standard 120v primary, 12v secondary. All transformers are fully dimmable.

12v MR-16 halogen lamp, 50w maximum (order separately). Specify lamp beam spread.

ENERGY CONSERVATION

Manufacturer recommends use of Osram Sylvania's energy saving 37w Tru-Aim® IR halogen lamps which convert more energy into light than conventional 50w MR-16 lamps. Tru-Aim® IR halogen lamps can be ordered from Lucifer Lighting for use in fixture. See luciferlighting.com for lamp specification guide.

WARRANTY

Manufacturer's one year warranty of product is conditioned on use of manufacturer supplied transformers.

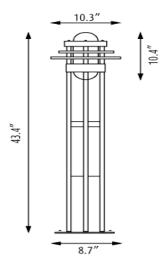
LIGHTING COMPAN 414 Live Oak Street

San Antonio, Texas 78202 Phone 210 227-7329 FAX 210 227-4967 www.luciferlighting.com

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As part of its policy of continuous research and product development, the
Company reserves the right to change or withdraw specifications without

Saturn Bollard

Design: Jens Møller-Jensen



Saturn Bollard provides symmetrical downward illumination. The design of the reflector rings ensures the majority of the light is directed downward. An anti-glare ring and the reflector rings shield the light source from direct view.

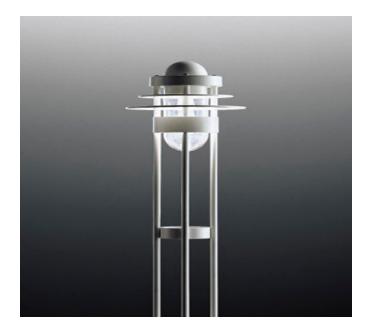
Galvanized, hot dipped. White or natural painted aluminum, powder coated.

Shades: Spun steel. Endosure: Clear glass or white opal painted glass. Anti-glare ring: Extruded steel. Post: Extruded steel. Base plate: Spun steel.

M o u n t i n g Base plate: Mounted to a concrete base with 4 anchor bolts. Base plate dimension: 8.7" dia.

Weight Max. 40 lbs.

dJL, Wet location. IBEW.



pecificatio

- Product code SAB
- Light source 1/100W/A-19/CL medium 1/32W/CF GX24q-3 1/50W/HPS/ED-17 medium 1/50W/MH/ED-17 medium

Specification notes:

a. CF variant is provided with white opal glass lamp enclosure. b. HID and incandescent variants are provided with dear glass lamp endosures. c CF variant is provided with one 120-277V electronic ballast

d. HID variants are provided with one 120/277V F-can style ballast e. Incandescent variant is only available in 120V.

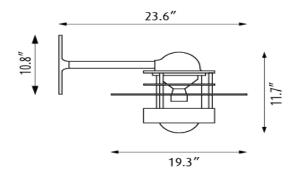
Info notes:

I. The comparable EU version has the following classification: Ingress Protection Code: IP44.

www.louispoulsen.com

Orbiter Maxi Wall

Design: Jens Møller-Jensen



Orbiter Maxi Wall provides general illumination. The design of the two reflector rings ensures the majority of the light is being directed downwards. The anti-glare ring shields the lamp from direct

White or natural painted aluminum, powder coated. Natural aluminum, shot-peened.

Material

Enclosure: Injection molded clear polycarbonate, injection molded partly frosted polycarbonate or injection molded white opal polycarbonate. Saturn ring: Die cut aluminum. Anti-glare ring: Spun aluminum. Top: Die cast aluminum. Mounting plate: Die cast aluminum. Arm: Extruded aluminum.

Mounting Surface: Mounted directly to a recessed ballast box (10.7" dia. x 3.6"D) provided or mounted directly to finished surface over a recessed 4" octagonal junction box.

Weight Max. 24 lbs.

cUL, Wet location. IBEW.



ificatio

- Product code ORW-MAX
- Light source 1/100W/HPS/ED-17 medium 1/100W/MH/ED-17 medium 1/150W/A-21/CL medium 1/26W/32W/42W/CF GX24q-3/4 1/70W/CMH/T-6 G12 2
- 3 V o I t a g e 120/ 208/ 240/ 277V 120-277V 120V
- Finish NAT. PAINT. ALU. NAT. RAW ALU. WHT

Specification notes:

a. CMH variant is provided with a partly frosted enclosure. b. CF variant is provided with an opal enclosure. c. HID provided with an opal enclosure. C. HID and incandescent variants are provided with clear enclosures. d. CMH variant is provided with a recessed ballast box containing one 120V or 277V electronic ballast. e. CF variant is provided with a universal wattage socket and 120-277V integral electronic ballast. megral electronic ballast. f. HID variants are provided with a recessed ballast box containing one 120/208/240/277V open core and coil ballast. g. Incandescent variant is only available in 120V.

Info notes:

Info notes:

I. Natural shot peended aluminum is untreated and is designed to change color over time depending on environmental conditions. II. All enclosures are U.V. stabilized polycarbonate. III. The comparable EU version has the following classification: Ingress Protection Code: IP44.

www.louispoulsen.com



avenue° b

DIMENSIONAL DATA

Grid Mount (Regress Trim Shown)

51.31mm 2.88"

Drywall Flange (Regress Trim Shown)

frame width
4.75" max-4.625" min

Mounting
installed

Flush Lens

Mounting yoke must be installed before drywall. (see Instruction Sheet #ISO217 for details)





FEATURES

Narrow 3" slot T5 fluorescent with opaque satin lens.

Shielding options include corrugated, solid regressed trim, concave louver as well as flush lens.

Universal mounting allows compatibility for multiple grid types.

Drywall installation is available, which allows for both individual or continuous row mount capability.

Avenue® B is a great solution for general illumination in a narrow aperture.

shielding options







corrugated

ted soli

solid regress

concave louver



flush lens

companion luminaire

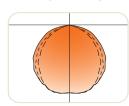




mr16

linear

PERFORMANCE



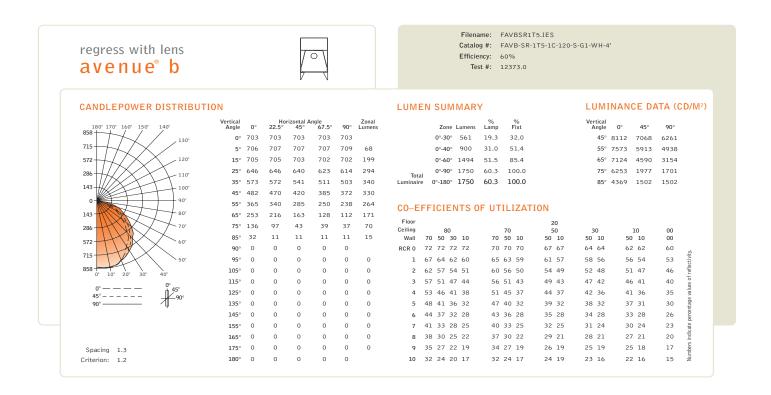
1-Lamp T5 60% Efficiency 709 cd @ 5°

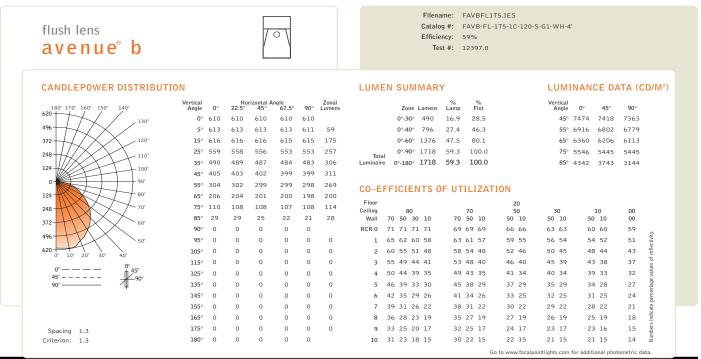
See **Photometric** section for additional performance data.

Project: The Franklin Care Center Jennifer Curley April 5,2006

Louver

Fixture Type F15



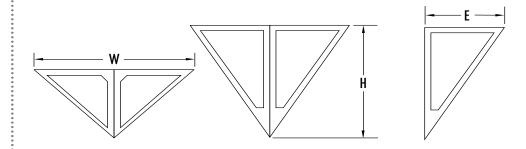


Project: The Franklin Care Center Jennifer Curley April 5,2006 Fixture Type F15



DS-44

A triangular metal frame and acrylic panels provide an even glow from incandescent or fluorescent sources.



Fixture No.	W	Н	E	Material	Lamping		Acrylic
DS-44-12	123/4"	۱۵¹⁄۷"	6 ¾"	A, B or C	IN(1-100W)	PLC(1-13W)	W, X, V
DS-44-14	14"	Π'⁄⁄."	7"	A, B or C	IN(1-200W)	PLC(I-I3W)	W, X, V

Sample Specification

D S - 4 4 - 1 2 B - P L C - W - 1 2 0

Fixture Number Material Lamping Acrylic Voltage

SPECIFICATIONS

Material/Finishes

 -A Convection oven baked painted finish on aluminum and steel material.

-B Polished solid brass

-C Polished chrome plated over solid brass

Acrylic

-W Virgin white acrylic

-X Faux alabaster acrylic

-V White swirl acrylic

All acrylics have .125" minimum starting thickness.

Ballasts and Housings

Fluorescent fixtures

Supplied with magnetic integral high power factor (HPF) ballasts that are "A" sound rated and "P" type thermally protected. Low THD. All fluorescent ballasts are contained in the fixture.

Lamps not included.

Mounting

Designed for permanent mounting to recessed four-inch octagon outlet box.

Warranty

Manning Lighting guarantees its products against defects in materials and workmanship for three years from the date of shipment. See catalog for details.

UL

Underwriters Laboratories listed. All fixtures are wired complete and short tested before packing.

IBEW union made in the USA

Lamp information: 13W dbl. twin tube 2-pin base

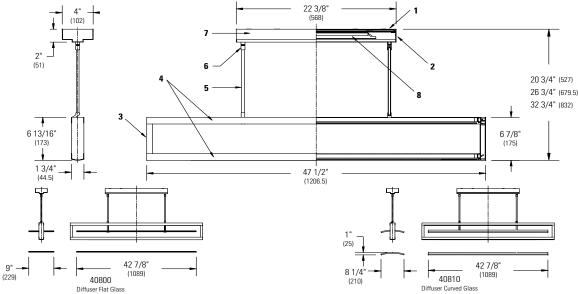
Manning Lighting, P.O. Box 1063, 1810 North Ave., Sheboygan, WI 53082 USA Phone: (920) 458-2184 Fax (920) 458-2491 Email: Info@ManningLtg.com



Architectural Decorative Soli Zontio 48228ALU

Page 1 of 3

2 Light, T-5 Pendant



Note: Luminaire can be ordered with or without diffuser shield. Order each separately.

() Denotes dimensions in mm

Fixture Ordering Information

Catalog No.	Finish	Wattage	Voltage	Lamping
48228ALU	Metallic Aluminum Powder Coated	2 x 28W	120/277V	T-5, Mini-Bipin
48254ALU	Metallic Aluminum Powder Coated	2 x 54W	120/277V	T-5 HO, Mini-Bipin High Output

Diffuser Ordering Information (Order diffuser separately)

Catalog No.	Description	Dimensions	Finish
40800	Flat Glass Diffuser (3/"8 Thick)	9" W x 42 7/8" L	White ceramic coated top, etched bottom. Clear polished edges.
40810	Curved Glass Diffuser (3/8" Thick)	8 1/4" W x 42 7/8" L	Etched top and bottom. Clear polished edges.

Features

- 1. Mounting Plate: 18 GA. (.048) Galvanized steel for direct mounting to most junction boxes. Secondary mounting holes provided to mount directly
- 2. End Cap: (2) Die cast aluminum. See above for finish.
- 3. End Cover: (2) Die cast aluminum. See above for finish.
- 4. Lamp Enclosure: (2) Extruded aluminum. See above for finish.
- 5. Support Stem: (2) 3/8" diameter steel tubing. Luminaire provided with three lengths (10", 16" and 22"). See above for overall heights. Stems can not be added together.
- 6. Swivel: (2) Meets California Earthquake codes.
- 7. Housing: Extruded aluminum. See above for finish.
- 8. Ballast: See below for details.

Lamping (by others)

Linear Fluorescent: 28W T5 or 54W T5 H0, Mini Bipin

Lampholders: G5 (Mini-Bipin) base with rotor for securing lamp. cULus Listed Ballast: Electronic, HPF, Universal voltage 120V-277V.

	28 V	Vatt	54 W	/att
Voltage	120V	277V	120V	277V
Total Input Watts	64	63	120	117
Max. Line Current (Amps)	0.55	0.23	1.0	0.43
Ballast Factor	1.03	1.03	1.0	1.0

Min. Starting Temp: 0°F/-18°C

THD<10%

Options

Dimming: (Voltage Specific/54W HO lamps) Add MX1 suffix code (for 120V) to Cat. No. Add MX2 suffix code (for 277V) to Cat. No. example: 48254ALMX1

Emergency: Integral Bodine LP550 emergency battery pack, test switch and light, add E suffix code to Cat. No.

DALI: Digital Dimming System ballast 120/277V. Add DA suffix code to Cat. No.

Labels

Job Information	
	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

www.lightolier.com We reserve the right to change details of design, materials and finish.

Lightolier a Genlyte company www.lightolier.co 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710 © 2004 Genlyte Group LLC • A0904

Project: The Franklin Care Center Jennifer Curley April 5,2006

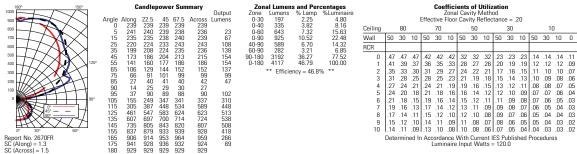
Fixture Type



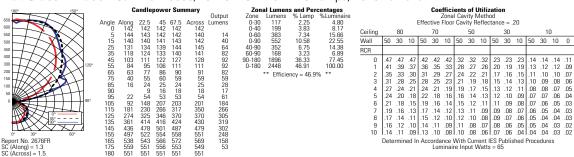
Architectural Decorative Soli Zontio 48228ALU

2 Light, T-5 Pendant Page 2 of 3

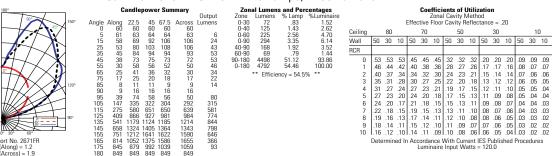
Flat Glass Diffuser Cat. No. 40800/48254ALU 2-54W T-5 Lamps, 4400 Lumens



Flat Glass Diffuser Cat. No. 40800/48228ALU 2-28W T-5 Lamps, 2610 Lumens



Cat. No. 48254ALU 2-54W T-5 Lamps, 4400 Lumens



Job Information

Type:

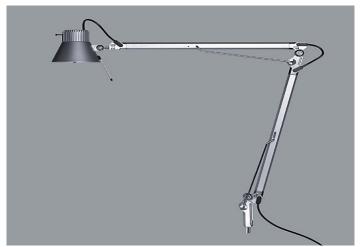
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710 We reserve the right to change details of design, materials and finish. © 2004 Genlyte Group LLC ◆ A0904

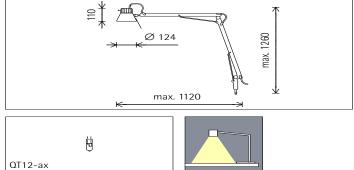
.03 .02 .02 .02 .01 .01 .01

ERCO

Lucy Task light

for low-voltage halogen lamps

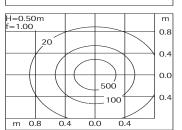




33170.000 Silver QT12-ax 50W 12V GY6.35 950lm

Product description

Light head: aluminium, anodised. Switch. Cast aluminium lampholder carrier, designed as heat sink. Articulated arm: aluminium profile, anodised. Stabilising of forces by means of visible steel connecting struts with internal springs. Hinges: cast aluminium. Plastics elements for optimum conductor routing visible within range of joints, however otherwise concealed. Mounting stud with mounting and safety ring for mounting to base, to be ordered separately. Cable with 3-pin plug and transformer, L 2,500mm. Reflector: aluminium, silver anodised, mirror-finish. Frosted spread lens. Weight 1.90kg

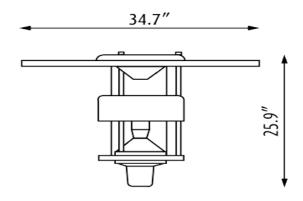


(((C)

ERCO Leuchten GmbH Postfach 24 60 58505 Lüdenscheid Germany Tel.:+49 2351 551-0 Fax::+49 2351 551-300 info@erco.com Technical Region: 230V/50Hz Edition: December 16, 2005 Please download the current version from www.erco.com/33170.000

Satellit Maxi

Design: Jens Møller-Jensen



Satellit Maxi provides glare free and symmetrical illumination. The design of the top shade ensures the majority of the light is directed downward. The anti-glare ring shields the lamp from direct view.

White, grey or graphite grey, powder coated.

Top shade: High pressure molded fiber glass. Endosure: Injection molded dear polycarbonate. Anti-glare ring: Injection molded polycarbonate. Base: Die cast aluminum.

M o u n t i n g Post Top: Mounted on dual round aluminum (DRA) or round straight aluminum (RSA) pole.

Weight Max. 32 lbs.

Label

dJL, Wet location. IBEW.



cificatio

- Product code SATT-MAX
- Light source 1/150W/HPS/ED-23½ mogul 1/175W/MH/ED-28 mogul 1/250W/MH/ED-28 mogul 1/26W/32W/42W/CF GX24q-3/4
- V oltage 120-277V 120/277V
- Finish GRAPHITE
- Transition to pole T-DRA-5"-3" T-RSA-4.5"

Specification notes:

a. CF variant is provided with a unversal wattage socket and a 120-277V integral electronic ballast.

b. HID variants are provided with one 120/277V F-can style ballast to be mounted in RSA-4.5" or DRA-5"-3"

poles.
c Grey top shade is provided with grey and graphite grey finishes. d. Opaque anti-glare rings for grey variants are painted to match grey finishes. e. White top shade is provided with white finish. f. White opal anti-glare ring is provided with white finish. with white finish.

Info notes: I. Endosure is U.V. stabilized polycarbonate. II. For pole selection, refer to Pole Guide.

III. The comparable EU version has the

following dassification: Ingress Protection Code: IP44.

www.louispoulsen.com

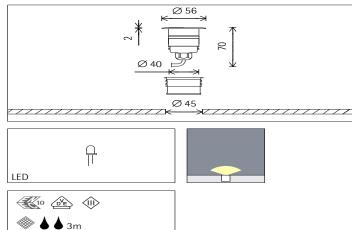
ERCO

LED orientation luminaire

IP68

with dynamic colour change





33782.000 Silver LED Blue/Green LED 0.9W 30V DC

Product description Housing with gasket: stainless steel.
Installation bush with ribs: plastic.
Cable 4x0.75mm², L 500mm.
Clear prismatic diffuser with
circular light aperture.
Cover ring: corrosion resistant
stainless steel, with 6mm safety
glass. Load 5kN.
Control gear to be ordered separately. Control year to 52 rately. Protection mode IP68 3m: pro-tection against dust ingress, and continuous immersion up to 3m deep. Weight 0.16kg

ERCO Leuchten GmbH Postfach 24 60 58505 Lüdenscheid Tel.:+49 2351 551-0 Fax.:+49 2351 551-300 info@erco.com Technical Region: 230V/50Hz Edition: December 16, 2005 Please download the current version www.erco.com/33782.000

ERCO

LED orientation luminaire

90

Accessories



33858.000

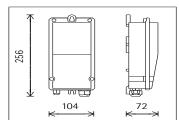
33858.000
Control gear
For max. 10 orientation luminaires.
Input voltage 100V-240V AC,
120V-250V DC.
Output voltage 30V DC.
Adjustable functions: switching
and dimming. Gradual flashing and
flashing at three speeds.
Protection mode IP65: dust-proof
and water-jet proof.
Weight 0.60kg



Recessed housing IP67 For installation in concrete floors or compressed natural ground with 25mm floor covering. Cast aluminium, black double-powder-coated.

powder-coated. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Cable, L 300mm. Protection mode IP67: dust-proof and protected against immersion damage. Weight 0.70kg

25



33859.000

33859.000
Control gear
For max. 10 orientation luminaires.
Input voltage 100V-240V AC,
120V-250V DC.
Output voltage 30V DC.
Additional 24V DC input.
Adjustable functions: switching and dimming. Gradual flashing and flashing at three speeds.
Protection mode IP65: dust-proof and water-jet proof.
Weight 0.60kg

© △ △ A SELV
IP65



180 x 138

Ø 40

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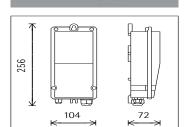
22

180 x 138

33894.000

Recessed housing IP67 recessed riodsing IP6/ For installation in concrete floors or compressed natural ground with 50mm floor covering. Cast aluminium, black double-

powder-coated. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Cable, L 300mm. Protection mode IP67: dust-proof and protected against immersion damage. Weight 0.70kg



33873.000

Recessed housing For mounting in plaster.



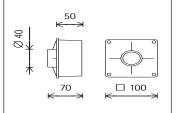
33896.000

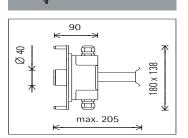
Recessed housing IP67 For installation in concrete wall.

Cast aluminium, black double-powder-coated. 2 cable entries with IP67 threads. Through-wiring possible. 4-pole terminal block. Cable, L 300mm. Protection mode IP67: dust-proof and protected against immersion

damage. Weight 0.75kg





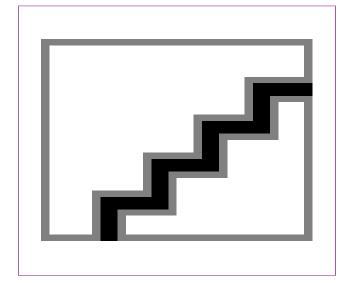


LED orientation luminaire 33782.000

2/3

Project: The Franklin Care Center Jennifer Curley April 5,2006

31/3/2006



MasterColor CDM 150W/830 Med ED17 CL ALTO

Product family description Range of high-efficiency long life ceramic metal halide lamps with a stable color over life time and a crisp, sparkling light.

Features/Benefits

- Excellent color rendering.
- Superior color stability over life within +- 200K.
- · Lamp to lamp color consistency over life.
- · Higher lumen maintenance than standard metal halide.
- Warm (3K) or fresh white (4K) color impression.
- High lamp efficacy (up to 93 lumens per watt) for energy saving and low heat.
- · Universal operating position.
- No shut off required in 24-hour-a-day/7-day-a-week operations (relamp fixtures at or before the end of rated life).
- Retrofit in existing ED-17 sockets.
- Long lamp life compared to quartz metal halide lamps.

Applications

 Ideal for general lighting, downlighting and flood lighting.

Note:

 Requires a ballast specified or approved for Philips Metal Halide lamp or one designed to the indicated ANSI Standard. A pulse ignitor is required. Sockets and wiring must withstand starting pulse. (391)

- Supply volts must be +/- 5% of rated ballast line volts for reactor type and +/- 10% for CWA or electronic ballasts. (392)
- This product utilizes ALTO® Lamp Technology. ALTO products pass the US EPA's Toxicity Characteristic Leaching Procedure (TCLP) for non-hazardous waste status. (399)
- MasterColor® Metal Halide Lamps are not recommended for use on dimmers and are not warranted if used on dimmer systems. (401)
- Rated average life is the life obtained, on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average. For lamps with a rated average life of 24,000 hours, life is based on survival of 67% of the lamps. (351)
- Approximate lumen values listed are for vertical operation of the lamp. (352)
 Means Lumens is the approximate lumen output at
- Means Lumens is the approximate lumen output at 40% of lamp rated average life. (353)
- · Heat resisting glass bulb.

	Product data
Product Number	130229
Full product name	MasterColor CDM 150W/830 Med ED17 CL ALTO
Ordering Code	MHC150/U/M/3K ALTO
Pack type	1 Sleeve Open End
Pieces per pack	1
Packs per case	12
Pack UPC	046677130220
EAN2US	
Case Bar Code	50046677130225



1

Project: The Franklin Care Center Jennifer Curley April 5,2006 Lamps and Ballasts

Product data				
Successor Product number				
Wattage[W]	150W			
Color Code	830 [CCT of 3000K]			
Base	Med [Medium]			
Bulb	ED17 [Diameter: 2.125 inch]			
Bulb Finish	CL [Clear]			
Feature	ALTO [ALTO®]			
Base Information	Brass[Brass Base]			
Bulb Material	Hard Glass			
Operating Position	Universal[Any or Universal (U)]			
Packing Type	1SL[1 Sleeve Open End]			
Packing Configuration	12			
Rated Avg. Life[hr]	16000			
ANSI Code HID	M142/M102/E			
Lamp Voltage[V]	95			
Mercury (Hg) Content[mg]	15			
Color Rendering Index[Ra8]	85			
Color Designation	White			
Color Temperature[K]	3000			
Initial Lumens[Lm]	14000			
Design Mean Lumens[Lm]	10500			
Light Center Length L[in]	3.348			
Max Overall Length (MOL) - C[in]	5.438			
Diameter D[in]	2.125			

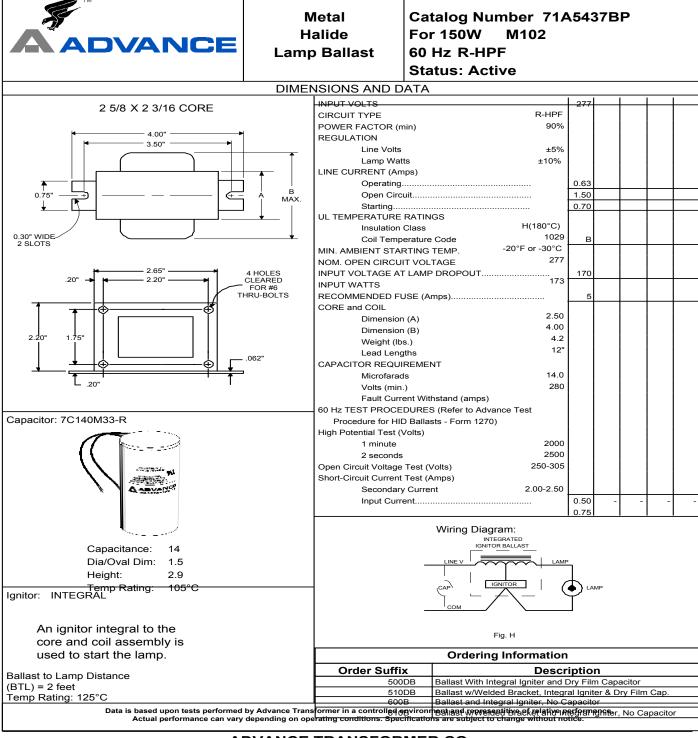


Data not (yet) available

CDM ED17



2



ADVANCE TRANSFORMER CO.

O'HARE INTERNATIONAL CENTER · 10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018 Customer Support/Technical Service: Phone: 800-372-3331 · Fax: 630-307-3071

Corporate Offices: Phone: 800-322-2086

Project: The Franklin Care Center Jennifer Curley April 5,2006

Lamps and Ballasts

05/15/03

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.do

Return to: DULUX D/E (double, 4-Pin)

Print Page



Number: Order Abbreviation: General Description:

CF13DD/E/830

20721

DULUX 13W double compact fluorescent lamp with 4-pin base, integral EOL, 3000K color temperature, 82 CRI, for use with electronic and dimming ballasts, ECOLOGIC

Product Information

Abbrev. With Packaging Info. CF13DDE830 91V 50/CS 1/SKU

 Average Rated Life (hr)
 12000

 Base
 G24Q-1

 Bulb
 T4

 Color Rendering Index (CRI)
 82

 Color Temperature/CCT (K)
 3000

 Family Brand Name
 Dullux® D/E

 Industry Standards
 IEC 60901- 2513

Initial Lumens at 25C900Mean Lumens at 25C774Maximum Overall Length - MOL (in)5.2Maximum Overall Length - MOL (mm)131

NEMA Generic Designation (current) CFQ26W/G24Q/830

Nominal Wattage (W) 13.00

Additional Product Information

Product Documents, Graphs, and Images

Compatible Ballast

Packaging Information



Footnotes

- Approximate initial lumens after 100 hours operation.
- The life ratings of fluorescent lamps are based on 3 hr. burning cycles under specified conditions and with ballast meeting ANSI specifications. If burning cycle is increased, there will be a corresponding increase in the average hours life.
 Rule of Thumb for Compact Fluorescent Lamps: Divide wattage of incandescent lamp by 4 to
- Rule of Thumb for Compact Fluorescent Lamps: Divide wattage of incandescent lamp by 4 to determine approximate wattage of compact fluorescent lamp that will provide similar light output.
- Minimum starting temperature is a function of the ballast; consult the ballast manufacturer.
 There is a NEMA supported, industry issue where T2, T4, and T5 fluorescent and compact fluorescent lamps operated on high frequency ballasts may experience an abnormal end-of-life phenomenon. This end-of-life phenomenon can resultin one or both of the following: 1. Bulb wall cracking near the lamp base. 2. The lamp can overheat in the base area and possibly melt the

1 of 2 3/31/2006 10:31 AM

Project: The Franklin Care Center Jennifer Curley April 5,2006

Lamps and Ballasts

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.do

Return to: DULUX D/E (double, 4-Pin)

Print Page



Number:
Order
Abbreviation:
General
Description:

20724 CF18DD/E/830

DULUX 18W double compact fluorescent lamp with 4-pin base, integral EOL, 3000K color temperature, 82 CRI, for use with electronic and dimming ballasts, ECOLOGIC

Product Information

Abbrev. With Packaging Info. CF18DDE830 100V 50/CS 1/SKU

 Average Rated Life (hr)
 12000

 Base
 G24Q-2

 Bulb
 T4

 Color Rendering Index (CRI)
 82

 Color Temperature/CCT (K)
 3000

 Family Brand Name
 Dulux® D/E

 Industry Standards
 IEC 60901- 2518

Initial Lumens at 25C 1150

Mean Lumens at 25C 989

Maximum Overall Length - MOL (in) 5.8

Maximum Overall Length - MOL (mm) 147

NEMA Generic Designation (current) CFQ18W/G24Q/830

Nominal Wattage (W) 18.00

Additional Product Information

Product Documents, Graphs, and Images

Compatible Ballast

Packaging Information



Footnotes

- Approximate initial lumens after 100 hours operation.
- The life ratings of fluorescent lamps are based on 3 hr. burning cycles under specified conditions and with ballast meeting ANSI specifications. If burning cycle is increased, there will be a corresponding increase in the average hours life.
 Rule of Thumb for Compact Fluorescent Lamps: Divide wattage of incandescent lamp by 4 to
- Rule of Thumb for Compact Fluorescent Lamps: Divide wattage of incandescent lamp by 4 to determine approximate wattage of compact fluorescent lamp that will provide similar light output.
- Minimum starting temperature is a function of the ballast; consult the ballast manufacturer.
 There is a NEMA supported, industry issue where T2, T4, and T5 fluorescent and compact fluorescent lamps operated on high frequency ballasts may experience an abnormal end-of-life phenomenon. This end-of-life phenomenon can resultin one or both of the following: 1. Bulb wall cracking near the lamp base. 2. The lamp can overheat in the base area and possibly melt the

1 of 2 3/31/2006 10:22 AM

Project: The Franklin Care Center Jennifer Curley April 5,2006

Lamps and Ballasts

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.do

Return to: DULUX T/E/IN (amalgam, triple, 4-Pin)

Print Page



Product Number

General Description:

20884

CF32DT/E/IN/830

DULUX 32W triple compact fluorescent amalgam lamp with 4-pin base, integral EOL, 3000K color temperature, 82 CRI, for use with electronic and dimming ballasts

Product Information

Abbrev. With Packaging Info. CF32DTEIN830 50/CS 1/SKU

Average Rated Life (hr) 12000 GX24Q-3 Base Bulb Т4 Color Rendering Index (CRI) 82 Color Temperature/CCT (K) 3000 Family Brand Name Dulux® T/E

2400 Initial Lumens at 25C Mean Lumens at 25C 2064 Maximum Overall Length - MOL (in) 5.6

Maximum Overall Length - MOL (mm) 142 NEMA Generic Designation (current) CFTR32W/GX24Q/830

NEMA Generic Designation (old) CFM32W/GX24Q/830 Nominal Wattage (W) 32.00

Additional Product Information

Product Documents, Graphs, and Images

Compatible Ballast Packaging Information

Industry Standards



IEC 60901- 7432

Footnotes

- Approximate initial lumens after 100 hours operation.
- The life ratings of fluorescent lamps are based on 3 hr. burning cycles under specified conditions and with ballast meeting ANSI specifications. If burning cycle is increased, there will be a corresponding increase in the average hours life.
- Lumen output and life rated on high frequency operation. Rule of Thumb for Compact Fluorescent Lamps: Divide wattage of incandescent lamp by 4 to determine approximate wattage of compact fluorescent lamp that will provide similar light

3/31/2006 10:24 AM

Project: The Franklin Care Center Jennifer Curley April 5,2006

Lamps and **Ballasts**

Electronic Compact Fluorescent Digital Dimming Systems

QUICKTRONIC® CF DALI

Professional Series

Lamp/Ballast Guide

18W T4 - DULUX D/E, T/E 1-lamp QTP1x18CF/UNV DALI 2-lamp QTP2x18CF/UNV DALI

26W T4 - DULUX D/E, T/E 1-lamp QTP1x26CF/UNV DALI 2-lamp QTP2x26CF/UNV DALI

32W T4 - DULUX D/E, T/E 1-lamp QTP1x32CF/UNV DALI 2-lamp QTP2x32CF/UNV DALI

42W T4 - DULUX T/E 1-lamp QTP1x42CF/UNV DALI 2-lamp QTP2x42CF/UNV DALI

40W TT5 - DULUX L 1-lamp QTP1x40TT5/UNV DALI 2-lamp QTP2x40TT5/UNV DALI

Key System Features

- Digital Addressable Control
- Individual control of fixtures
- Up to 16 groups and scenes ■ 100 – 3% Dimming Range
- Programmable fade rates
- Universal voltage (120-277) ■ Programmed rapid start
- Anti-flash circuitry
- End-Of-Lamp-Life Sensing
- Wiretrap connectors
- Control may be wired for Class 1 or Class 2 applications
- UL, cUL, FCC
- QUICK 60+® ballast and lamp warranty

Application Information

SYLVANIA QUICKTRONIC

DALI is ideally suited for:

- Energy Management
- Load Shedding
- Daylight Harvesting
- Occupancy sensors
- Conference rooms
- All size offices
- Creative lighting designs

For optimal dimming performance, fluorescent lamps may require seasoning up to 100 hours prior to dimming to the lowest light levels.

SYLVANIA QUICKTRONIC

DALI Dimming combines digital control technology with fullrange continuous dimming to provide a new level of lighting system performance. This allows for greater flexibility and control of the lighting environment than can be achieved with traditional 0-10VDC dimming systems. The communications protocol is "DALI", an acronym for "Digital Addressable Lighting Interface" This is a worldwide standard for digital lighting control that has been accepted by all the leading lighting suppliers.

SYSTEM CF-DALI controls DULUX® L, D/E and T/E 4-pin Compact Lamps over a wide range of light level settings, from 100 - 3% (ballast factor 1.0 – .03). Control wiring is simplified by two polarity-free connections that can be routed in the same raceway as power



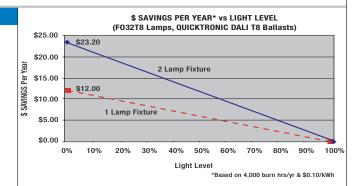
SYSTEM CF-DALI is available in one and two lamp models that operate from 120V through 277V, eliminating "wrong voltage" wiring errors and reducing the number of models in inventory by half.

Setting the standard for quality, SYSTEM CF-DALI is also covered by our QUICK 60+, warranty, the first and most comprehensive system warranty in the industry.

System Information

Programmed rapid start ballasts provide optimum starting conditions to provide up to 100,000 switching cycles for use on occupancy sensor and building control system applications. Individual addressability allows the user to dim any particular fixture or groups of fixtures at one time. Simple controller programming steps allow for:

- 1. Fade rates, dim levels, time of day, groups and scenes to be customized.
- 2. Flexibility in grouping fixtures: no need to re-wire fixtures when groups need to be changed
- 3. Systems are scalable and can be expanded anytime user needs change, without the need for costly re-wiring. Additional fixtures are added to groupings simply by means of software.



QUICKTRONIC DALI systems can be integrated with Building Management Systems (BMS) by installing gateways that translate between the DALI and BMS systems.

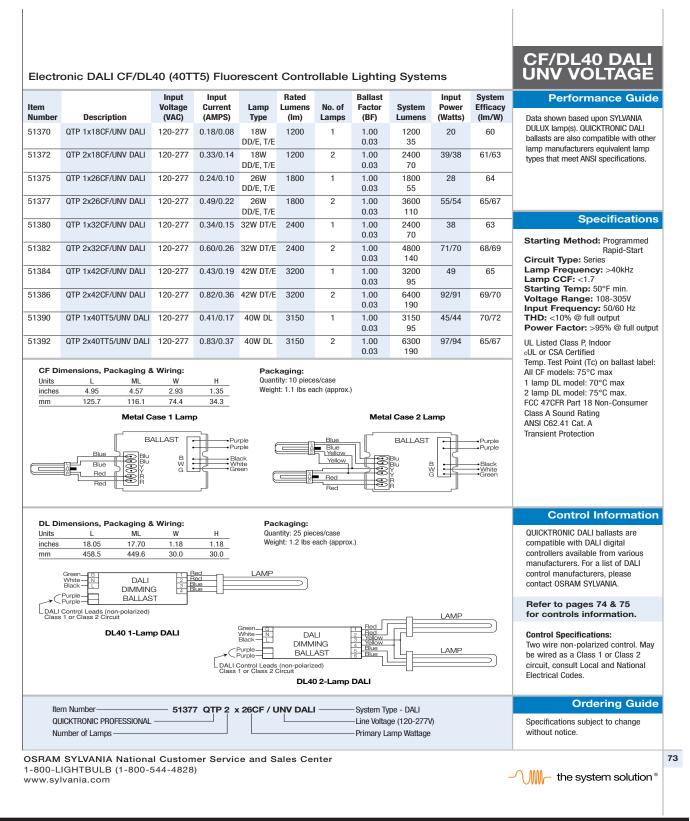
When used in conjunction with appropriate controls, feedback can be obtained on operating conditions, such as operating hours, light-level or failed lamps. This lamp fault-reporting feature can save significant cost by quickly identifying the location, especially in large facilities or in applications where lamps are concealed by lenses.

Specification of DALI compatible gateways, controls and ballasts ensure flawless operation of the lighting system.

72



Project: The Franklin Care Center Jennifer Curley April 5,2006



Project: The Franklin Care Center Jennifer Curley April 5,2006

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.c

Return to: Pentron Standard

Print Page

General Description:



Product Number 20868 FP28/830/ECO

Order Abbreviation:

28W, T5 PENTRON fluorescent lamp, 3000K color temperature, rare earth phosphor, 82 CRI, ECOLOGIC

Product Information

Abbrev. With Packaging Info. FP28830ECO 40/CS 1/SKU

Actual Length (in) 45.8 Actual Length (mm) 1163.2 Average Rated Life (hr) 20000 Miniature Bipin Base

T5 Bulb Color Rendering Index (CRI) 82 Color Temperature/CCT (K) 3000 Diameter (in) 0.67 Diameter (mm) 17.0

PENTRON® ECO® Family Brand Name

Initial Lumens at 25C 2600 Initial Lumens at 35C 2900 Mean Lumens at 25C 2418 Mean Lumens at 35C 2697 Nominal Length (in) 48 Nominal Wattage (W) 28.00

Additional Product Information

Product Documents, Graphs, and Images

Packaging Information



3/31/2006 10:27 Al

Project: The Franklin Care Center Jennifer Curley April 5,2006

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.c

Return to: T5 Linear Fluorescent

Print Page



Product Number: 51356

QTP1X28T5/UNV DALI

1-lamp Universal Voltage <10%THD 100-1% electronic DALI digital dimming ballast for 28W T5 lamp

Product Information

Abbrev. With Packaging Info. QTP1X28T5UNVDALI

Ballast Factor 1.00 Ballast Height H (in) 1.1800 Ballast Length L (in) 1.1800 Ballast Width W (in) 18.0500 Circuit Type SERIES

Family Brand Name QUICKTRONIC Professional

Input Wattage (W) 32.00 0.27/0.11 Input Current (Amps)

Nominal Voltage (V) UNIVERSAL 120-277

Number of Lamps Open Circuit Voltage (V) <600 Power Factor >0.98 Primary Lamp Type FP28T5 Sound Rating

Starting Method PROGRAMMED RAPID-START

Starting Temperature - Fahrenheit Starting Temperature - Celsius 10 Total Harmonic Distortion (THD) <10%

Wiring Method WIRETRAP CONNECTORS

Additional Product Information

Product Documents, Graphs, and Images

Packaging Information





Q U I C K 6 0 + **



Footnotes

- Data based on primary lamp types. See OSRAM SYLVANIA System Performance Guide for data
- on other lamp combinations. 75C Max Case Temperature Install in accordance with National Electric Codes
- Complies with FCC 47 CFR Part 18, Non-Consumer

3/31/2006 11:09 Al

Project: The Franklin Care Center Jennifer Curley April 5,2006

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.c

Return to: TRU-AIM® MR16

Print Page



54200

Order Abbreviation: 20MR16/FL40(BAB) 12V

General Description: Tungsten Halogen Tru-Aim MR16 STANDARD UV-Stop Capsule With Axial Filament, Dichroic Reflector GU5.3 Bi-Pin Base 20Watt 12Volt Flood Beam (BAB)

Product Information

Abbrev. With Packaging Info. 20MR16FL40BAB 12V 20/CS 1/SKU

ANSI Code BAB Average Rated Life (hr) 4000 GU5.3 Bipin Beam Angle (deg) 40

Beam Type FL Bulb MR16 700 Centerbeam Candlepower (cp) C (gas) Color Rendering Index (CRI) 100 Color Temperature/CCT (K) 3000 Diameter (in) 2 50.8 Diameter (mm) Ecologic YES

Family Brand Name TRU-AIM Standard

Filament AXIAL Horizontal Beam Angle (deg) 40 Maximum Overall Length - MOL (in) 1.75 Maximum Overall Length - MOL (mm) 44.45 Nominal Voltage (V) 12.00 Nominal Wattage (W) 20.00 Vertical Beam Angle (deg) 40

Additional Product Information

Product Documents, Graphs, and Images

Packaging Information



3/31/2006 10:28 Al

Project: The Franklin Care Center Jennifer Curley April 5,2006

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.c

Return to: TRU-AIM® MR16

Print Page



58576

Order Abbreviation: 20MR16/NSP/RP(ESX) 12V

Tungsten Halogen Tru-Aim MR16 STANDARD UV-Stop Capsule With Axial Filament, Dichroic Reflector GU5.3 Bi-Pin Base 20Watt 12Volt Narrow Spot Beam (ESX) Retail Pack

Product Information

Abbrev. With Packaging Info. 20MR16NSPRPESX 12V 6/CS 1/SKU

ANSI Code ESX Average Rated Life (hr) 4000 GU5.3 Bipin

Beam Angle (deg) 8 Beam Type NSP Bulb MR16 Centerbeam Candlepower (cp) 6000 C (gas) Color Rendering Index (CRI) 100 Color Temperature/CCT (K) 3000 Diameter (in) 2 Diameter (mm) 50.8 YES Ecologic

Family Brand Name TRU-AIM Standard

Filament AXIAL Horizontal Beam Angle (deg) 8 Maximum Overall Length - MOL (in) 1.75 Maximum Overall Length - MOL (mm) 44.45 Nominal Voltage (V) 12.00 Nominal Wattage (W) 20.00 Vertical Beam Angle (deg)

Additional Product Information

Product Documents, Graphs, and Images

Packaging Information



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Project: The Franklin Care Center Jennifer Curley April 5,2006

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.c

Return to: TRU-AIM® MR16

Print Page



roduct 54208

Order 50MR16/NSP12(EXT) 12V Abbreviation:

Tungsten Halogen Tru-Aim MR16 STANDARD UV-Stop Capsule

With Axial Filament, Dichroic Reflector GU5.3 Bi-Pin Base 50Watt 12Volt Narrow Spot Beam (EXT)

Product Information

Abbrev. With Packaging Info. 50MR16NSP12EXT 12V 20/CS 1/SKU

 ANSI Code
 EXT

 Average Rated Life (hr)
 4000

 Base
 GU5.3 Bipin

 Beam Angle (deg)
 12

Beam Angle (deg) Beam Type NSP Bulb MR16 Centerbeam Candlepower (cp) 11000 C (gas) Color Rendering Index (CRI) 100 Color Temperature/CCT (K) 3000 Diameter (in) 2 50.8 Diameter (mm) Ecologic YES

Family Brand Name TRU-AIM Standard

Filament AXIAL
Horizontal Beam Angle (deg) 12
Maximum Overall Length - MOL (in) 1.75
Maximum Overall Length - MOL (mm) 44.45
Nominal Voltage (V) 12.00
Nominal Wattage (W) 50.00
Vertical Beam Angle (deg) 12

Additional Product Information

Product Documents, Graphs, and Images

Packaging Information



1 of 2 3/31/2006 10:30 Al

Project: The Franklin Care Center Jennifer Curley April 5,2006

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.c

Return to: STARLITE® Bi-Pin



Print Page

Product Number: 58676

Order Abbreviation: 50T4Q/CL/AX 12V

Tungsten Halogen Quartz Bi-Pin STARLITE Low Pressure Clear Finish UV-Stop With Axial Filament GY6.35 Bi-Pin Base 50Watt 12Volt 4000Hr Lamp Life

Product Information

Abbrev, With Packaging Info. 50T4QCLAX 12V 40/CS 1/SKU

Approx. Lumens 910 Average Rated Life (hr) 4000

Base GY6.35 Bipin

Bulb T4 C (gas) Class 100 Color Rendering Index (CRI) Color Temperature/CCT (K) 3000 0.5 Diameter (in) 12.7 Diameter (mm) Ecologic YES

STARLITE® Bi-Pin Family Brand Name

Filament AXTAI Lamp Finish Clear Light Center Length - LCL (in) 1.125 Light Center Length - LCL (mm) 28.575 Maximum Overall Length - MOL (in) 1.75 Maximum Overall Length - MOL (mm) 44.45 Nominal Voltage (V) 12.00 Nominal Wattage (W) 50.00

Additional Product Information

Product Documents, Graphs, and Images

Packaging Information

Footnotes

Starlite Low Pressure - UV Filter Ouartz Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Print Page

3/31/2006 10:46 Al

Project: The Franklin Care Center Jennifer Curley April 5,2006

Product Details

http://ecom.mysylvania.com/sylvaniab2c/catalog/updateItems.c

Return to: Double Life Soft White

Print Page



Approx. Lumens

Product Number: 11176

Order Abbreviation: 100A/CL/DL/RP 120V

General Description:

Product Information

1550

Abbrev. With Packaging Info. 100ACLDLRP 120V 24/CS 2/SKU

 Average Rated Life (hr)
 1500

 Base
 Medium

 Bulb
 A19

 Class
 C (gas)

 Color Temperature/CCT (K)
 2850

 Diameter (in)
 2 3/8

 Diameter (mm)
 60.325

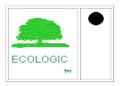
Family Brand Name Double Life Clear

CC-8 Filament Lamp Finish Clear Light Center Length - LCL (in) 3 1/8 Light Center Length - LCL (mm) 79 Maximum Overall Length - MOL (in) 4 7/16 Maximum Overall Length - MOL (mm) 112.7125 Nominal Voltage (V) 120.00 Nominal Wattage (W) 100.00

Additional Product Information

Product Documents, Graphs, and Images

Packaging Information



Print Page

1 of 2 3/31/2006 10:25 Al

Project: The Franklin Care Center Jennifer Curley April 5,2006

DALI Dimming Controls



ezDALI Power Supply

Power supply for DALI ballast communications

Supports DALI bus and fixture power wiring in same conduit

Automatic message routing among DALI ballasts and

Powers and isolates both Class 1 and Class 2 DALI buses

> No programming or adjustments required

> > Compatible with all Watt Stopper 24 VDC ceiling occupancy sensors

PROJECT

LOCATION/TYPE

Product Overview

controls

Description

The ezDALI Power Supply (DPS150) supplies power and communications for the ezDALI system.

Operation

The ezDALI Power Supply contains two transformers with associated power conditioning. The first provides 150 mA at 16 VDC to the Class 1 bus. The second provides 150 mA to the Class 2 ezDALI bus (16 VDC) and to any other control devices (i.e., occupancy sensors) at 24 VDC. For instance, when an occupancy sensor detects motion, it signals the power supply, which initiates a command to an ezDALI controller over the Class 2 data bus. In addition, the power supply provides mechanical and electrical isolation between the two buses to prevent accidental contact of line and low voltage wiring. Furthermore, the power supply routes signals between the Class 1 and Class 2 buses automatically.

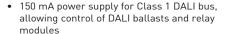
Easy Installation

The ezDALI Power Supply enables ezDALI bus and fixture power wiring to be run in the same conduit, simplifying installation. It also features plug-in connectors for easy installation of low voltage control devices, such as occupancy sensors, or for the DALI Class 2 bus. It connects to any standard junction box and is normally mounted in an accessible ceiling space.

Applications

The Power Supply is an integral component of any ezDALI application. One is required for each room or controlled space. The primary applications for ezDALI controls are spaces that have changing lighting needs, such as classrooms, conference rooms, lecture rooms, and executive offices. The energy savings potential from ezDALI use also makes open offices ideal candidates as well.

Features



- 150 mA power supply for Class 2 peripherals, providing power for ezDALI controllers and occupancy sensors
- Two electrically isolated buses, one for Class 1 ballasts, the other for Class 2 devices for communication with ezDALI controllers
- Bus LED status indication: Green steady= 0K, flashing Red = Class 1 bus shorted, flashing Green = Class 2 bus shorted
- · No set-up or commissioning required
- Plug-in connectors for low voltage control devices for simplifed wiring
- Supports DALI bus and fixture power wiring in same conduit



www.wattstopper.com 8 0 0 . 8 7 9 . 8 5 8 5

Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Power Supply

D A I I Dimmin

Controls



Power Supply Technical Information

Specifications

- Input voltage: DPS150-1 = 120 VAC, 60 Hz; DPS150-2 = 277 VAC, 60 Hz, 1.5 watts max. consumption
- Output current/voltage: DALI Class 1 bus = 150 mA, 16VDC; ezDALI Class 2 bus total = 150 mA (16 VDC for ezDALI bus, 24VDC for occupancy sensors)
- Temperature: 0 to 140° F, Rel. Humidity 10 to 95% RH, non-condensing; Atmosphere nonexplosive, non-corrosive; Stationary applications, NEMA Level A
- Dimensions: 2.5" x 2.5" x 3.12" (W x H x D) with .5" nipple (63.5 mm x 63.5 mm x 79.25 mm with 12.7 mm nipple)
- UL and CUL listed 916 Energy Management equipment
- FCC approved for use in commercial and industrial applications
- · Five year warranty

Power Ratings

DALI Class 1 bus (power for DALI ballasts, relay modules, and remote scene switches)

- Available power: 150 mA @ 16 VDC
- Power requirements: ballast = 2 mA; relay module = 7 mA, remote scene switch = 5 mA

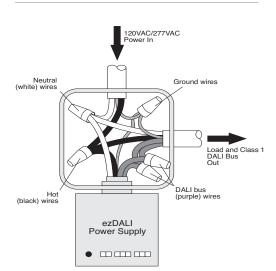
ezDALI Class 2 bus (power for ezDALI controllers and occupancy sensors)

- Available power: 150 mA @ 16 & 24 VDC
- Power requirements: 4-group controller = 40 mA; Group & Scene controller = 40 mA; relay module = 7 mA, occupancy sensors*

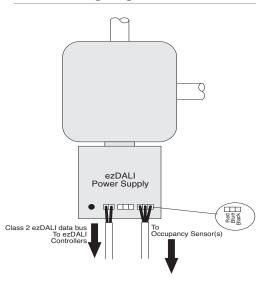
*Power requirements for occupancy sensors vary depending on sensor model and individual requirements. Refer to individual product specifications for complete details.

Wiring & Installation

Class 1 Wiring Diagram



Class 2 Wiring Diagram

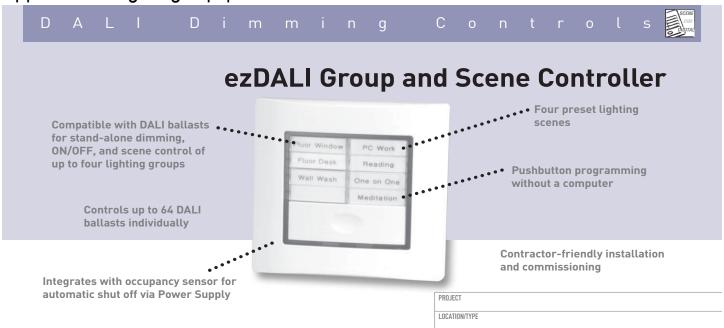


Ordering Information

Catalog No.	Voltage		
☐ DPS150-1	120 VAC		
☐ DPS150-2	277 VAC		

Watt Stopper/Legrand® Pub. No. 16302

Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Power Supply



Product Overview

Description

The ezDALI Group and Scene Controller (DLCSS4) is a component of a Watt Stopper ezDALI dimming system, which provides stand-alone fluorescent dimming with DALI ballasts. It allows DALI ballasts to be assigned to up to four different lighting groups, and enables the user to dim these lighting groups to create up to four preset lighting scenes (presets).

Operation

DALI ballasts are assigned to a desired lighting group using the controller's four labeled group buttons. The user then raises or lowers the group's light level by pressing and holding the respective group button. This creates a preferred lighting scene; to memorize it, the occupant simply presses and holds the desired scene button. The Master button toggles between the last setting and OFF for normal daily operation. An occupancy sensor option provides occupant-sensitive automatic shut-off via the ezDALI Power Supply.

Features

- Four lighting groups with independent dimming capability and LED status indication
- Four scene control buttons with LED status indication and recall of user-defined scenes
- Locator light bar for finding controller in darkened room
- Architecturally attractive wall switch also used to configure ezDALI network

Scene Control

Scenes are created and memorized using the controller. When a user presses a scene button, the switch signals the controlled ballasts to recall that scene. The ballasts fade to the level programmed in ballast memory for that scene, and the scene LED lights on the controller. Additional Remote Scene Switches may be used to provide scene control from multiple locations within a room.

Applications

The Group and Scene Controller is well-suited for executive offices, conference rooms, classrooms, and lecture halls. It is particularly effective in multi-use spaces that require different lighting configurations. In each of these applications, the Group and Scene Controller allows lighting to be adjusted to accommodate occupants' needs while also providing enhanced energy savings. Since the controller requires no special tools or commissioning software, it can be easily installed and commissioned by an electrical contractor in any building.

- Master OFF/Restore button provides simple recall of last lighting scene
- Designer appearance with screwless wallplate and removable lens cap for labeling
- Impact-resistant Lexan protects against damage
- Max level setting limits light level for increased energy savings



www.wattstopper.com 8 0 0 . 8 7 9 . 8 5 8 5

Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Control





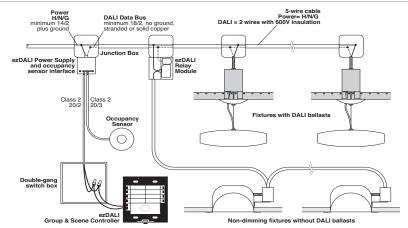
Controller Technical Information

Specifications

- Input Power: 40 mA max @16 VDC
- ezDALI Class 2, low voltage communications
- 1% dimming for linear fluorescent, 3% for compact fluorescent
- Operating environment: to 140° F; 10 to 95% RH, non-condensing; non-explosive, non-corrosive; stationary applications, NEMA level A
- Dimensions: 4.5" W x 4 .5" H x 1.8" D (114.3 mm x 114.3 mm x 46 mm)
- FCC approved for use in commercial and industrial applications
- UL and CUL listed, 916 Energy Management, Class 2
- Five year warranty

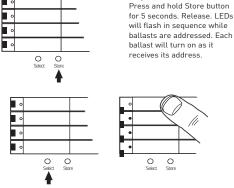
Wiring & Installation

Group and Scene Controller Wiring



Programming the Controller

Programming Groups & Scenes



Step 1. Initialize

Step 2. Create Groups

Press Select button. First ballast will turn on at maximum level and all others will turn off. Press Group button to add ballast to group. Group button LED will start flashing. Press Select button to select next ballast. Repeat for each ballast.

Step 3. Store Setting

Press Store button to save all groups. All group LEDs will light and all ballasts are on at



GROUP A	SC(()
GROUP B	SCEN //
GROUP C	SCENE 3
GROUP D	SCENE 4

Step 4. Create Scenes

Adjust lighting levels of each group by pressing and holding Group button to ramp lights up or down. (Releasing stops ramping. Pressing Group button again reverses ramping.) Press and release Group button to turn lights OFF or ON. When desired light level for all groups have been set for a scene, press and hold Scene button until Scene LED lights, indicating that scene is memorized. Repeat for remaining scenes.

Ordering Information

Catalog No.	Color	Description	Voltage/ Input Power	Max. Ball.	Max. Groups	Max. Scenes
DLCSS4-2	lvory	ezDALI Group and	16 VDC/40 mA	64	4	4
DLCSS4-4	Almond	Scene Controller				
DLCSS4-7	White					
DLCSS4-9	Gray					

Watt Stopper/Legrand® Pub. No. 16102

Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Control



ezDALI Group Controller



Product Overview

Description

The ezDALI Group Controller (DLC) is a component in an ezDALI system. It is the source of all commands to the ballasts. In addition, it provides a simple tool for creating ballast groups (a set of ballasts that act in unison, also referred to as a "zone"), and manual dimming of each group to create a preferred "scene" or "preset." Automatic shut-off, in compliance with energy codes, is achieved by connecting an occupancy sensor via the ezDALI Power Supply.

Operation

The ezDALI Group Controller operates with an ezDALI Power Supply and one or more DALI ballasts. Once each ballast has been assigned to a group button on the ezDALI wallbox controller, a user can raise or lower group light levels by pressing and holding the group button. This allows the occupant to set each group to a preferred lighting level. The Master button will toggle between the last setting and off for normal daily operation.

Features

₹ eWatt Stonner®

www.wattstopper.com 8 0 0 . 8 7 9 . 8 5 8 5

- Push-button set-up for easier installation and future changes
- Master OFF/Restore button provides quick access to last lighting scene
- Compatible with standard 24 VDC occupancy sensor (input to Power Supply)

Button Options

The ezDALI Group Controller is available in 2- or 4-group models, both of which fit within a standard single-gang wallbox. With the 2-group model, users can create two different lighting groups, while the 4-group model enables control of up to four groups. Both the 2- and 4-group controllers allow the occupant to create a preferred lighting level. Using the Master button provides OFF/Restore capability.

Applications

The ezDALI Group Controller is ideal for use in private offices, open offices and hallways. In each of these applications, ezDALI allows the lighting to be tuned to the needs of the occupant while also providing enhanced energy savings. Since it requires no special tools or commissioning software, it can be easily installed by an electrical contractor in any building.

- Designer appearance with screwless wallplate and removable lens caps for labeling
- Impact-resistant Lexan protects against damage
- Locator light bar for finding controller in darkened room
- Max Level Set limits light level for increased energy savings

Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Control

DALI Dimming Controls

SCENE

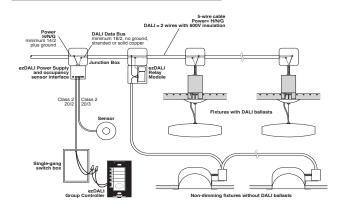
Group Controller Technical Information

Specifications

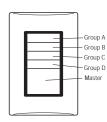
- Input Power: DLC-2 28 mA max @16VDC; DLC-4 40 mA max @16VDC
- ezDALI Class 2, low voltage communications
- 255 dimming steps for each group. 1% dimming for linear fluorescent, 3% for compact fluorescent
- Operating environment: to 140° F; 10 to 95% RH, non-condensing; non-explosive, non-corrosive; stationary applications, NEMA level A
- 2 or 4-button configuration in single gang box
- Dimensions: 2 .75" W x 4.5" H x 1.81" D (69.8 mm x 114.3 mm x 46 mm)
- FCC approved for use in commercial and industrial applications
- UL and CUL listed, 916 Energy Management, Class 2
- · Five year warranty

Wiring & Installation

Group Controller Wiring Diagram



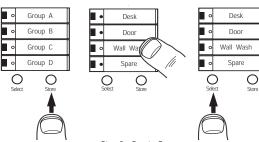
Product Controls



4-button group controller

Programming the Controller

Programming Groups



Step 1. Initialize Press and hold Store button for 5 seconds. Release. LEDs will sequence while ballasts are addressing.

Step 2. Create Groups
Press Select button. First ballast will turn on at
maximum level and all others will turn off. Press
desired group button (i.e., Group C, wall wash) to
add that ballast to desired group. Group LED will
begin flashing. Press Select button to select next
ballast, which will turn on at maximum level (all
others off). Repeat for all ballasts.

Desk
Door
Wall Wash
Spare
Select
Stove

Step 3. Store settings Press and release Store button to save all ballast group assignments. All group LEDs will turn on. Lighting will be at 100%.

Ordering Information

Catalog No	o. Description	Voltage/Input Power	Max. Ballast	Max. Groups	Max. Scenes
DLC4-x	DALI 4-button Group Controller	16 VDC/40 ma	64	4	0
DLC2-x	DALI 2-button Group Controller	16 VDC/28 ma	64	2	0

"x" indicates color: -2 = ivory, -4 = almond, -7 = white, -9 = gray

The Watt Stopper*, Inc. Pub. No. 16001

on trol :



ezDALI Relay Module

DALI ON/OFF control for non-dimming loads

Up to 20 amp ballast or incandescent loads

Compatible with DALI ballast commands

• Dual 120/277 VAC operation

Contractor-friendly installation and commissioning

Acceptable for use in plenum spaces

DBU IELT

LOCATION/TYPE

Product Overview

Description

The ezDALI Relay Module (DRM) is an optional component in an ezDALI system. Mimicking the function of a DALI ballast, the DRM provides ON/OFF control for non-DALI loads such as standard electronic ballasts, incandescent or motor loads.

Operation

The ezDALI Relay Module provides isolated high-power (20 amps, 120 or 277 VAC) switching capability for non-dimming ON/OFF loads. The operator addresses and controls the DRM as if it were a DALI ballast. To assign a Relay Module to a group, the operator uses the Select function on an ezDALI controller. When the lighting controlled by the Relay Module turns on, the operator presses the desired group button on the controller to add that lighting to the group. Thereafter, the Relay Module will switch lighting on or off in response to the signal from the ezDALI controller.

Control of non-DALI loads

The ezDALI Relay Module coordinates ON/OFF control of non-DALI loads (i.e., incandescent lighting, fans) with the operation of DALI ballasts. When a command issues from a control device, the DRM responds along with other Relay Modules or DALI ballasts in the group or scene. While DALI ballasts may raise or lower light levels, the DRM will switch its load either ON or OFF.

Applications

The ezDALI Relay Module can be used for controlling non-dimming loads with ezDALI controls. The DRM can coordinate operation of non-dimming lighting and electrical loads in conference rooms or lecture halls. In small offices, the DRM allows coordinated control of DALI ballasted lighting and non-DALI incandescent lighting.

Features

- Networked digital control of non-dimming loads
- Addressable and controllable as if a DALI ballast
- Zero crossing protects relay from inrush current and increases relay life
- Compatible with DALI ballast commands
- Can be installed with either Class 1 or Class 2 DALI bus wiring

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Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Relay

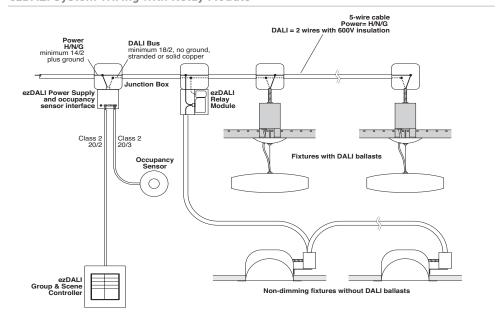
Relay Module Technical Information

Specifications

- Input Power: 120 or 277 VAC, 60 Hz, 0.1 Amps
- Load rating: 20 Amps ballast, 20 Amps incandescent, 1 HP motor @ 120/250 VAC
- DALI bus input power: 16 VDC, 7 mA
- · Acceptable for use in plenum spaces
- Dimensions: 4.8" x 4.8" x 2.3" (W x H x D) (122 mm xx 122 mm x 58.4 mm)
- FCC approved for use in commercial and industrial applications
- UL & CUL listed, Energy management equipment 86WA
- Five year warranty

ezDALI System Wiring

ezDALI System Wiring with Relay Module

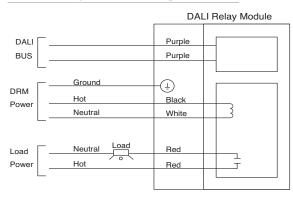


Max. Current

20 Amps

Relay Module Wiring

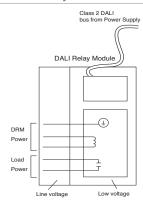




Voltage/DALI Power

120/277 VAC/16 VDC/7 mA

Class 2 Relay Module Wiring



Ordering Information

Watt Stopper/Legrand® Pub. No. 16202

Project: The Franklin Care Center Jennifer Curley April 5,2006

Catalog No.

DRM

DALI equipment Relay

The Power of Illumination

DALI Star Digitally Addressable Low Voltage Isolation Transformer

www.bplusl.com



DALI (Digitally Addressable Lighting Interface) is a protocol dedicated for lighting control use. The DALI protocol transforms a standard lighting system into a dynamic network able to control and manage individual lighting devices, via a common DALI bus. Individual devices can be addressed and programmed in the network as part of groups and scenes. DALI devices can communicate with the controller to provide real time status of the control of devices.

The DALI Star Series electronic transformer is designed specifically to operate 12 Volt halogen lamps in a DALI network with DALI controllers.

The advanced microprocessor-based circuitry of the DS Series transformer is fully compatible with DALI controllers and is digitally addressable to provide precise dimming control and full a range of operation for 12 Volt halogen lamps, as individually addressed devices or part of groups and scenes.

The many features of the DS Series include auto reset short and overload protection, protection against misconnection of line voltage into DALI input, open lamp detection and automatic programmable preset light level on DALI control interrupt.

B+L Technologies' DALI Star transformer offers multiple possibilities to meet digital lighting systems requirements and to please your customers. Contact our customer service representatives to find out more about this and many of our lighting products.

General Specifications

- ✓ Fully DALI protocol compatible
- ✓ Precise 0 100% Dimming Control
- ✓ Open lamp detection
- ✓ Auto reset short circuit protection
- ✓ Auto reset over load protection
- ✓ Protection against line voltage to DALI input
- ✓ Programmable preset light output on DALI line interruption
- √ Fully Digitally addressable
- ✓ Programmable multiple groups
- ✓ Programmable 16 scenes, 16 groups
- ✓ Minimum load: 20W
- ✓ Nominal output: 12VAC

- √ For 12V halogen lamps
- ✓ Power factor >0.98
- ✓ THD<13%
- ✓ Operating frequency > 20kHz
- ✓ Ambient temperature range: -15 °C to 50 °C
- ✓ Input 120V 60Hz
- ✓ Input current: 0.60 A
- ✓ Input wire gauge: 18 AWG
- ✓ Output wire gauge: 18 AWG
- ✓ DALI line wire gauge: 18 AWG
- ✓ Standby power consumption: 1 W
- √ Compact metal casing, available in choice of stud mount or flush mount

1-800-361-1400

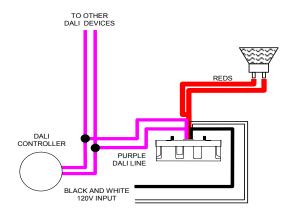


Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Transformer

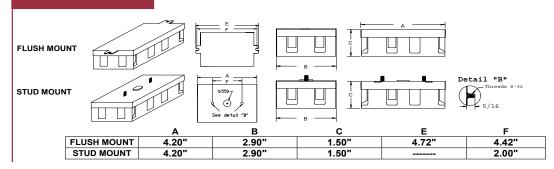
Ordering Information

MODEL NO.	INPUT VOLTAGE	SHORT CIRCUIT PROTECTION	OVERLOAD PROTECTION	DALI INPUT PROTECTION	MAXIMUM LOAD	OUTPUT TO LAMPS	MOUNTING
DS98100-S	120 VAC	YES	YES	YES	75 W	12 VAC	FLUSH MOUNT
DS98100-C	120 VAC	YES	YES	YES	75 W	12 VAC	STUD MOUNT

Cabling Diagrams



Dimensions



Warranty

3 years from delivery date for: **DALI Star 75 Transformer**





1131 Autoroute Laval W. Laval (Quebec) Canada, H7L 3W3 Tel.: (450) 663-7884 1-800-361-1400

Fax.: (450) 663-7638 www.bplusl.com info@bplusl.com

Project: The Franklin Care Center Jennifer Curley April 5,2006 DALI equipment Transformer

LS-301 Dimming Photosensor Automatic dimming based All setup performed remotely on ambient light levels with handheld Controls standard 0-10 VDC Optional occupant adjustment electronic dimming ballasts via handheld remote Single zone control Closed loop daylighting control

Product Overview

Description

The LightSaver LS-301 is a ceiling mount, low voltage indoor photosensor that works with standard, 0-10 VDC electronic dimming ballasts to dim lighting as daylight increases.

Operation

The LS-301 mounts on a ceiling and utilizes a spectral filtering system to measure daylight and electric light levels. A closed loop daylighting system, the LS-301 measures the total light level from daylight and electric light in the controlled area to adjust electric lighting levels. As the daylight contribution increases, the lights dim down. The photosensor utilizes sliding setpoint control, which responds to the different spatial distribution qualities of electric light and daylight. The LS-301 calculates the required light level for current daylight contribution based on two setpoints. One represents the target level when no daylight is present (night setpoint) and the other when significant daylight is present (day setpoint).

Features

Watt Stopper

- Provides precise control of lighting to maintain desired light level
- greater than 1% accuracy
- Designed to measure light as the human eye perceives it, eliminating "overreporting"

Adjustment via Handheld Remote Control

All LS-301 adjustments are made with one of two handheld remotes. The LSR-301-S provides five buttons for initial set-up, which is easily completed by first raising or lowering electric light levels to desired levels, then programming this target level into the photosensor. The LSR-301-P provides three buttons for occupants to adjust light levels. With this optional tool, users can increase target light levels by up to 25% or reduce them to the lamp/ballast minimum level. Pressing the "Auto" button returns the control to programmed levels.

Applications

LOCATION/TYPE

The LS-301 is designed to blend into its surroundings when installed in any environment. It provides one zone of daylighting control in a private office or classroom. In these applications, the LS-301 can be combined with an occupancy sensor. Often, it is possible for the LS-301 to share a single power pack with occupancy sensor(s).

- Extremely linear photocell response with
- illumination levels provided by daylight
- Separate handheld remote controls for setup and occupant adjustment to prevent tampering
- Boosts energy savings by reducing maximum lamp output, often resulting in a 20% reduction or more compared with lights at full output
- Achieves lumen maintenance by holding target light level as lamp output decreases over time

Li legrand www.wattstopper.com 800.879.8585

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DALI equipment **Photosensor**



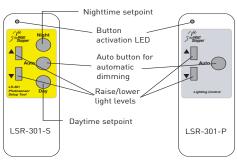
LS-301 Technical Information

Specifications

- Full range dimming: .2 VDC (minimum) to 10 VDC (100% lighting) output voltage
- Current consumption: 30 mA @ 24 VDC
- In typical applications, setpoints are adjustable from 20-60 footcandles (210-640 lux)
- Controls up to 50 standard dimming ballasts in one zone
- Sensor leads: gray and violet to ballast, red and black to 24 VDC
- Dimensions: 2.35" diam. x 0.875" depth (60mm x 22mm), threaded piece extends 1.25" (31.8mm) from back, fits .5" knockout
- 5 year warranty

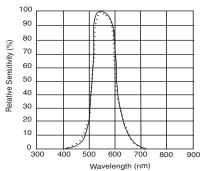
Product Controls

Remote Controls



Remote handheld (above left) enables easy set-up while optional occupant remote provides adjustability for individual lighting preferences.

Spectral Response Curve

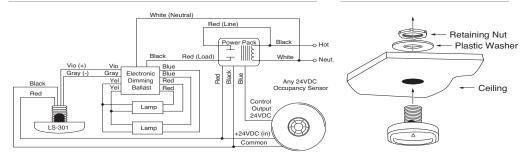


The spectral response of the LS-301 photocell closely matches the sensitivity of the human eye.

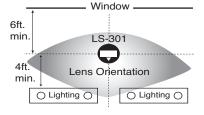
Wiring & Installation

Wiring

Mounting and Installation



Coverage



Placement Guidelines

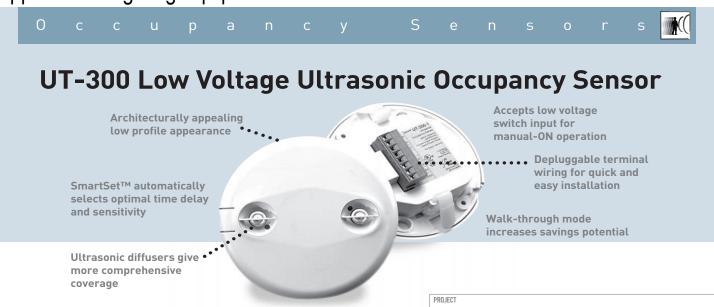
- Mount photocell between 6 and 12 feet (1.8m - 3.7m) from window.
- Do not mount directly above direct/indirect pendant fixtures.
 Mount at least 4 feet (1.2m) from pendant fixtures.

Ordering Information

Catalog No.	Description	input voitage
☐ LS-301	Dimming Photosensor	24 VDC
☐ LSR-301-S	Setup Remote Control (2 AAA batteries included)	
☐ LSR-301-P	Occupant Remote Control (2 AAA batteries included)	

Watt Stopper/Legrand® Pub. No. 17504 LS-301 works with Watt Stopper power packs

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Product Overview

Description

Watt Stopper/Legrand's low profile UT-300 ultrasonic occupancy sensor automatically turns lighting on and off based on occupancy. The sensor mounts on the ceiling with a flat, unobtrusive appearance and provides 360° coverage.

Operation

The UT-300 operates on 24 VDC, VAC or halfwave rectified. It uses the Doppler Principle and high frequency (40 KHz) ultrasound to sense occupancy and automatically turn lighting on. When no occupancy is detected for the length of the time delay, lighting automatically turns off. For manual-ON operation, the UT works with a low voltage momentary switch.

Features

- Advanced control logic based on RISC microcontroller provides:
 - Detection Signature Processing eliminates false triggers and provides immunity to RFI and FMI
 - SmartSet automatically adjusts sensitivity and time delay settings to fit occupant patterns
 - Walk-through mode turns lights off 3 minutes after the area is initially occupied – ideal for brief visits such as mail delivery
- Advanced Signal Processing Circuitry helps to eliminate false ONs

SmartSet

LOCATION/TYPE

Using SmartSet™ technology, UT sensors require no adjustment at installation. SmartSet continuously monitors the controlled space to identify usage patterns. With this information, it automatically adjusts time delay and sensitivity settings for optimal performance and energy efficiency. The sensor assigns short delays (as low as 5 minutes) for times when the space is usually vacant, and longer delays (up to 30 minutes) for busier times.

Application

UT sensors offer excellent control of lighting for many spaces including restrooms, large offices, and open office areas. Also, they can control large partitioned office spaces when configured in zone patterns. The UT sensors' performance combined and ease of installation will provide fast paybacks and many years of energy savings.

- Patented ultrasonic diffusion technology spreads coverage to a wider area
- LED indicates occupancy detection
- UT-300 works with low voltage momentary switches for manual control
- DIP switch simplifies sensor adjustments
- Clip mounting system makes ceiling tile installation simple
- Uses depluggable terminal wiring system for quick and easy installation
- Available with isolated relay for integration with BAS or HVAC



www.wattstopper.com 8 0 0 . 8 7 9 . 8 5 8 5

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Occupancy Sensor



UT-300 Technical Information

Specifications

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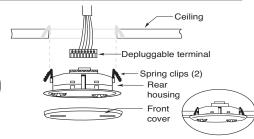
- 24 VDC/VAC
- Time delays: SmartSet (automatic), fixed (5, 10, 15, 20, or 30 minutes), walk-through, test-mode
- Ultrasonic frequency of 40 kHz
- UT-300 contains isolated relay with N/O and N/C outputs; rated for 1 Amp at 30 VDC/VAC
- Mounting options: ceiling tile; 4 square junction box with double gang mudring
- Units per power pack: UT-300 up to 2(B), up to 3 (BZ); UT-305 up to 3 (B), up to 4 (BZ)
- Dimensions: 4.5" diameter x 1.02" deep (114.3mm x 25.9mm)
- UL and CUL listed; five year warranty

Wiring & **Mounting**

Wiring & Controls

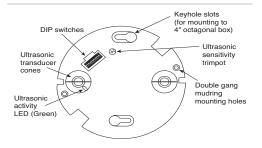
Red ary Switch*

Ceiling Mounting

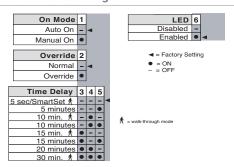


Controls & **Settings**

Product Controls

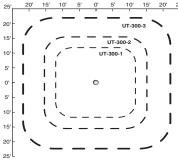


DIP Switch Settings



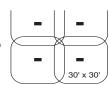
Coverage & **Placement**

Coverage



Coverages shown represent half-step walking motion. Actual coverages can vary for each application depending on the shape and use of space and the obstacles present. Coverage may be reduced if product is

mounted greater than 12 feet high.



Placement

A typical layout for an open office space would be to place UT sensors so they control zones that overlap. For partitioned spaces, a typical zone is about 25' x 25' with an overlap on the coverages that senses motion up to 30' x 30'.

Ordering Information

Catalog No.	Voltage	Current	Coverage	Feature		
UT-300-1	24 VDC	40 mA	500 ft ² (46.5 m ²)	Isolated relay		
UT-300-2	24 VDC	40 mA	1000 ft² (92.9 m²)	Isolated relay		
UT-300-3	24 VDC	45 mA	2000 ft ² (185.8 m ²)	Isolated relay		
UT-305-1	24 VDC	30 mA	500 ft ² (46.5 m ²)			
UT-305-2	24 VDC	30 mA	1000 ft ² (92.9 m ²)			
UT-305-3	24 VDC	35 mA	2000 ft ² (185.8 m ²)			
All units are white and use Watt Stopper power packs. Current consumption can be slightly higher when only one sensor per power pack is used.						

Watt Stopper/Legrand® Pub. No. 16902

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DALI equipment Occupancy Sensor