Peerlite BY PEERLESS

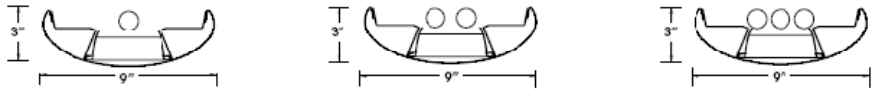
PRIMA®

WITH T8 LAMP

9 X 3
INDIRECT/DIRECT

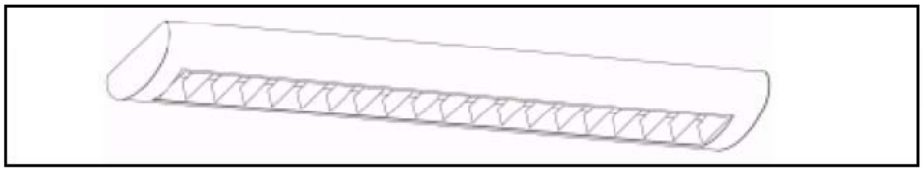
MODULAR

AVAILABLE FIXTURES



PRM4-1 PRM4-2 PRM4-3

SPECIFICATIONS



CONSTRUCTION:
Housing one-piece cold-rolled steel with flat end plate forming a 9" x 3" oval channel.

REFLECTORS:
Die-formed, white reflector with a minimum 85% reflectance.

SHIELDING:
Parabolic aluminum baffles with Achroma™ finish standard; semi-specular finish available.

FINISH:
Fine-textured white paint as standard.

ELECTRICAL:
Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits and are UL listed. Listed and labeled to comply with Canadian standards. For special circuiting, consult factory. Lamps included.

FIXTURE LENGTH:
4'-0-1/4", 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length add 1/16" for each end cap.

ORDERING LOGIC

Use guide below to order complete fixture runs from four feet to three-hundred feet in increments of four.

Fixture	# of Lamps in Cross Section	Lamp Type	Reflector	Nominal Row Length[1]	Maximum Section Length	Voltage	Ballast Type	# of Emergency/Night Light Sections[2]	Emergency/Night Light Type[2,3]	Switching	Lamp Color	Mounting Type	Feed/Suspension Lengths	Options
PRM4	1 2 3	32	WHR – White Reflector (Standard) SPR – Specular Reflector	FT	R4 R8 R12	120 277 347	GEB – Generic Electronic Ballast GEB10 – <10% THD Ballast (consult factory for dimming options)	Blank – No Emergency or Night Light 1SE – 1 Section 2SE – 2 Sections XSE – X Sections	Blank – No Emergency or Night Light EL – Emergency Battery Pack EC – Emergency/Night Light Circuit EN – Emergency Battery Pack with Night Light Circuit	SCT – Single Circuit DCT – Dual Circuit	L/P – No lamps LP730 – 3000°K, 70+CRI LP735 – 3500°K, 70+CRI (standard) LP741 – 4100°K, 70+CRI LP830 – 3000°K, 80+CRI LP835 – 3500°K, 80+CRI LP841 – 4100°K, 80+CRI	/	F1 – T-Bar Ceiling (Universal Mounting Bracket) F2 – Hard Ceiling (Horizontal J-Box) F4A – IDS Clip 15/16" Tee F4B – IDS Clip 9/16" Tee F4C – IDS Clip Screw Slot	12 – 12" overall suspension 15 – 15" overall suspension 18 – 18" overall suspension 21 – 21" overall suspension 24 – 24" overall suspension XX – XX" overall suspension	ACG – Adjustable Cable Grippers APF – Alternate Power Feed CMG – Cord Manager DU – Dust Cover ELH – EM through wire/w separate feed ELS – EM through wire/w single feed GLR – Fusing (fast blow) GMF – Fusing (slow blow)

Notes: 1 Must be in 4' increments
2 Optional
3 EL and EC are installed in last 4' of fixture sections and are not available concurrently with each other. Separate feed required for each EL or EC unless ELH is specified.

EXAMPLE:

Qty	Fixture section
4	PRM4 2 32 40FT R12 120 GEB 2SE EL SCT LP741 F1/24
1	PRM4 3 32 12FT R8 277 GEB DCT LP730 F2/15 GLR

PEERLESS LIGHTING Box 2556, Berkeley, CA 94702-0556 510.845-2760 Fax 510.845-2776 www.peerless-lighting.com

PP-9

ITEM #: _____

ALKCO TASK LIGHTING A2.0

Project	
Fixture Type	
Catalog #	

SUPER INCH®
1 1/2" T8/BI-AXIAL FLUORESCENT UNDERCABINET LUMINAIRE
100/200/300 SERIES

Thin 1 1/2" Profile.

Available with economy T8, energy saving, high CRI T8 or compact fluorescent lamps in 3000K, 3500K or 4100K.

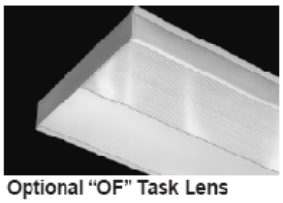
T8 models available with optional electronic ballast for maximum energy savings.

Flush ends for continuous row mounted illumination.

Hinged wireway facilitates hands-free wiring.

Choose translucent lens for diffuse illumination or opaque front task lens for 30% higher light levels while eliminating front-edge fixture brightness. Both are extruded out of Alkcorylic™ and guaranteed to remain pliable and not discolor.

Compact 1 1/2" depth, single-lamp lengths up to 4' and choice of popular T8 and 13 watt compact fluorescent lamps make the Super Inch ideal for a variety of commercial and institutional undercabinet lighting applications.



Optional "OF" Task Lens

ALKCO A Division of JJI Lighting Group, Inc.

FEATURES

OPTICAL SYSTEM

- Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish.
- Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of the reflector to bottom.
- One piece trim eliminates mitered flange corners and inside corner gaps.
- Upper reflector is painted a highly reflective matte white providing diffuse, even light with high efficiency.
- Proprietary Gotham diffusing lens available.

MECHANICAL SYSTEM

- 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials.
- Patent pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim to trim alignment.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post installation adjustment possible without the use of tools from above or below ceiling.
- Secondary housing adjustment system for precise, final ceiling to flange alignment.
- Galvanized steel junction box with hinged access covers and spring latch. Three combination 1/2"-3/4" and two 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

ELECTRICAL SYSTEM

- Horizontally-mounted, four-pin, positive-latch, thermo-plastic socket.
- Class P, thermally-protected, high power factor electronic ballast mounted to the junction box.

LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Type ..... Catalognumber .....

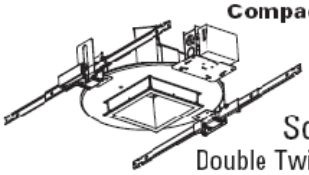
.....

.....

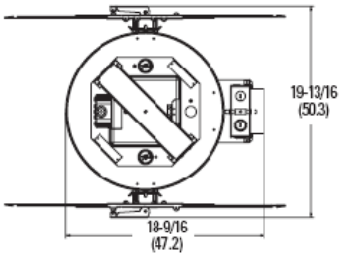
Compact Fluorescent Downlights

6" SQF

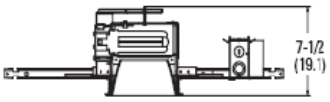
Square Open Reflector
Double Twin-Tube or Triple-Tube Lamp



SIMPLY5™ LIGHTING INTELLIGENCE



Aperture:	6 (15.2)
Ceiling Opening:	6-5/8 (16.8)
Overlap Trim:	7-3/16 (18.3)



All dimensions are inches (centimeters)

ORDERING INFORMATION

Example: **SQF 1/26TRT 6AR MVOLT**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

SQF

Series	Wattage/Lamp	Aperture/Trim color	Finish
SQF	1/18DTT[1]	6AR Clear	LD Matte-diffuse
	1/26DTT[1]	6DSR Stepped	
	1/18TRT		
	1/26TRT		
	1/32TRT		
	1/42TRT		

Lens type

(blank) No lens
CSL Concentric square lens

Voltage

MVOLT[2]
120
277
347

Ballast[3]

(blank) Electronic ballast (standard)
ADEZ[5] Advance Mark 10® electronic dimming ballast. Minimum dimming level 5%
DMHL[4] Lutron Compact SE™ electronic dimming ballast. Minimum dimming level 5%
S5[5] SIMPLY5™ system ballast

Options

WLP 3500°K Lamp (shipped separately)
LRC[6] Provides compatibility with Lithonia Reloc® System. Lithonia Reloc System can be installed less this option with connectors provided by others. Access above ceiling required
ELR[7] Emergency battery pack. Remote test switch provided
ELRSD[7] Emergency battery pack with self-diagnostics. Remote test switch provided
GMF[8] Single, slow blow fuse
GLR[8] Single, fast blow fuse
CP Chicago Plenum
BDP[9] Ballast disconnect plug
HW Hardwire for S5 system; replaces Reloc®

NOTES
1 Requires 4-pin lamp. Ships as TRT fixture.
2 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.
3 For additional ballast types, refer to Technical Bulletins tab.
4 Available with 120V or 277V only.
5 SIMPLY5™ includes 9' S5 SSC Reloc wiring system. Specify voltage as 120V or 277V unless HW (hardwire) is ordered. Not available in 18W. See simply5.net for more information.
6 For compatible Reloc systems, refer to Technical Bulletins tab.
7 For dimensional changes, refer to Technical Bulletins tab.
8 Not available with MVOLT. Must specify voltage.
9 Meets codes that require in fixture disconnect.

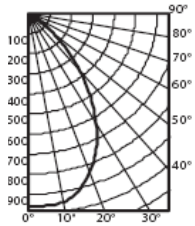
gotham® An AcuityBrands Company

GOTHAM ARCHITECTURAL DOWNLIGHTING
1400 Lester Road Conyers Georgia 30012
P 800 315 4982 F 770 860 3129
www.gothamlighting.com

SQF 6 DCF-303

6" SQF Square Open Reflector

SQF 1/32TRT 6AR LD, (1) 32W CF32DT/E/IN/835 lamp, 1.0 s/mh, 2400 rated lumens, Test No. LTL16269



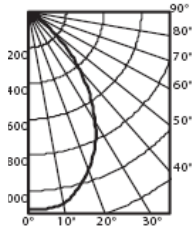
From 0°	Ave	Lumens
0	962	
5	961	91
15	912	254
25	746	340
35	505	313
45	255	196
55	78	73
65	17	18
75	5	6
85	1	1
90	0	

Zone	Lumens	% Lamp
0° - 30°	686.4	28.6
0° - 40°	999.5	41.6
0° - 60°	1268.8	52.9
0° - 90°	1293.7	53.9
90° - 180°	0.0	0.0
0° - 180°	1293.7	*53.9
*Efficiency		

pf	80%		20%			
pc			70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.59	.57	.58	.56	.56	.54
2	.54	.51	.53	.51	.51	.49
3	.50	.46	.49	.46	.47	.45
4	.45	.42	.45	.42	.44	.41
5	.42	.38	.41	.38	.40	.37
6	.39	.35	.38	.35	.37	.34
7	.36	.32	.36	.32	.35	.32
8	.33	.30	.33	.30	.32	.29
9	.31	.28	.31	.27	.30	.27
10	.29	.26	.29	.25	.28	.25

Mount height	Inital fc at beam center	50% beam angle 55.2° Beam diameter	50% beam angle 55.2° fc at beam edge	10% beam angle 89.1° Beam diameter	10% beam angle 89.1° fc at beam edge
8	31.8	5.7	15.9	10.8	3.2
10	17.1	7.8	8.6	14.8	1.7
12	10.7	9.9	5.3	18.7	1.1
14	7.3	12.0	3.6	22.6	0.7
16	5.3	14.1	2.6	26.6	0.5

SQF 1/42TRT 6AR LD, (1) 42W CF42DT/E/IN/835 lamp, 1.0 s/mh, 3200 rated lumens, Test No. LTL16273



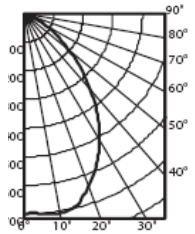
From 0°	Ave	Lumens
0	1104	
5	1104	105
15	1023	286
25	833	380
35	567	351
45	291	223
55	88	84
65	18	20
75	5	6
85	1	1
90	0	

Zone	Lumens	% Lamp
0° - 30°	770.5	24.1
0° - 40°	1121.5	35.0
0° - 60°	1428.4	44.6
0° - 90°	1455.7	45.5
90° - 180°	0.0	0.0
0° - 180°	1455.7	*45.5
*Efficiency		

pf	80%		20%			
pc			70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.50	.48	.49	.48	.47	.46
2	.46	.43	.45	.43	.43	.42
3	.42	.39	.41	.39	.40	.38
4	.38	.35	.38	.35	.37	.34
5	.35	.32	.35	.32	.34	.32
6	.33	.30	.32	.29	.32	.29
7	.30	.27	.30	.27	.29	.27
8	.28	.25	.28	.25	.27	.25
9	.26	.23	.26	.23	.26	.23
10	.25	.22	.24	.22	.24	.21

Mount height	Inital fc at beam center	50% beam angle 54.2° Beam diameter	50% beam angle 54.2° fc at beam edge	10% beam angle 89.0° Beam diameter	10% beam angle 89.0° fc at beam edge
8	36.5	5.6	18.2	10.8	3.6
10	19.6	7.7	9.8	14.7	2.0
12	12.2	9.7	6.1	18.7	1.2
14	8.3	11.8	4.2	22.6	0.8
16	6.1	13.8	3.0	26.5	0.6

SQF 1/32TRT 6DSR, (1) 32W CF32DT/E/IN/835 lamp, 1.1 s/mh, 2400 rated lumens, Test No. LTL16271



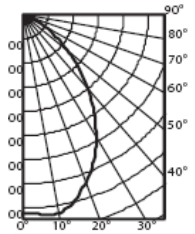
From 0°	Ave	Lumens
0	699	
5	701	67
15	691	193
25	579	265
35	432	268
45	274	210
55	139	125
65	51	53
75	15	18
85	3	3
90	0	

Zone	Lumens	% Lamp
0° - 30°	525.0	21.9
0° - 40°	793.0	33.0
0° - 60°	1128.0	47.0
0° - 90°	1201.7	50.1
90° - 180°	0.0	0.0
0° - 180°	1201.7	*50.1
*Efficiency		

pf	80%		20%			
pc			70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.54	.52	.53	.52	.51	.50
2	.49	.46	.48	.46	.46	.44
3	.44	.41	.43	.40	.42	.39
4	.40	.37	.39	.36	.38	.35
5	.37	.33	.36	.33	.35	.32
6	.33	.30	.33	.29	.32	.29
7	.31	.27	.30	.27	.30	.26
8	.28	.25	.28	.25	.28	.24
9	.26	.23	.26	.23	.26	.22
10	.25	.21	.24	.21	.24	.21

Mount height	Inital fc at beam center	50% beam angle 58.0° Beam diameter	50% beam angle 58.0° fc at beam edge	10% beam angle 95.6° Beam diameter	10% beam angle 95.6° fc at beam edge
8	23.1	6.1	11.6	12.1	2.3
10	12.4	8.3	6.2	16.5	1.2
12	7.7	10.5	3.9	21.0	0.8
14	5.3	12.8	2.6	25.4	0.5
16	3.8	15.0	1.9	29.8	0.4

SQF 1/42TRT 6DSR, (1) 42W CF42DT/E/IN/835 lamp, 1.1 s/mh, 3200 rated lumens, Test No. LTL16275



From 0°	Ave	Lumens
0	822	
5	828	79
15	798	223
25	665	305
35	495	307
45	318	243
55	161	145
65	59	61
75	18	20
85	3	4
90	0	

Zone	Lumens	% Lamp
0° - 30°	606.4	19.0
0° - 40°	913.4	28.5
0° - 60°	1300.9	40.7
0° - 90°	1386.7	43.3
90° - 180°	0.0	0.0
0° - 180°	1386.7	*43.3
*Efficiency		

pf	80%		20%			
pc			70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.47	.45	.46	.45	.44	.43
2	.42	.40	.41	.39	.40	.38
3	.38	.35	.38	.35	.36	.34
4	.35	.32	.34	.31	.33	.31
5	.32	.28	.31	.28	.30	.28
6	.29	.26	.29	.26	.28	.25
7	.27	.23	.26	.23	.26	.23
8	.25	.21	.24	.21	.24	.21
9	.23	.20	.23	.20	.22	.19
10	.21	.18	.21	.18	.21	.18

Mount height	Inital fc at beam center	50% beam angle 57.2° Beam diameter	50% beam angle 57.2° fc at beam edge	10% beam angle 95.4° Beam diameter	10% beam angle 95.4° fc at beam edge
8	27.2	6.0	13.6	12.1	2.7
10	14.6	8.2	7.3	16.5	1.5
12	9.1	10.4	4.6	20.9	0.9
14	6.2	12.5	3.1	25.3	0.6
16	4.5	14.7	2.3	29.7	0.5

NOTES:
1. For electrical characteristics consult Technical Bulletins tab.
2. Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

DCF-303

gotham
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GOTHAM ARCHITECTURAL DOWNLIGHTING
1400 Lester Road Conyers Georgia 30012
P 800 315 4982 F 770 860 3129
www.gothamlighting.com

PULSEBLOC DIGITAL LITE CONTROL SYSTEM COMPATIBLE

"Putting Technology in a New Lite."

LX-SERIES
Starliter™

DATA SHEET

LX-Starliter
Designer Series High-Bay

For style, functionality and energy efficiency, the LX Starliter High-Bay from Sportlite provides versatile, natural up-light that is perfect for "warehouse type" retail stores, shopping centers, general retail space and high tech manufacturing facilities. The LX800 with 42 watt compact fluorescent lamps (CFL) supply 25,600 lumens and 85 percent lumen maintenance to ensure products will never be left in the dark.

Stylish Effect

Sportlite offers a stylish alternative to standard acrylic- or glass-type HID fixtures with the new LX Starliter High-Bay. Featuring an eye-pleasing ballast housing and reflector, the LX Series virtually eliminates hot spots and color shifts typical of metal halide lighting fixtures. Multiple point sources of light within each luminaire reduce the glare often associated with standard HID high-bay fixtures.

Mood Lighting

The LX Series sets the tone for any application, offering a wide variety of lamp color temperatures to create the desired effect or match existing lighting. These high-CRI (82-84) lamps produce a more natural lighting effect. The LX Series provides comfortable even light, a larger light spread, minimal shadowing and no stroboscopic effects. Individual pairs of lamps can be turned off to lower light levels and to reduce energy consumption.

Smart & Functional

The LX Series offers smart features for simple and safe use. Its modular construction featuring "AMP" snap lock electrical connectors and "spring-clip" secured ballasts allows easy installation and maintenance with minimal tools. The "instant on" feature allows control over pairs of lamps within an individual luminaire. Choose sensor-controlled, four level stepped dimming for an efficient and inexpensive way to lower light levels and save energy, without changing the photo-metrics of the fixture.

Energy Efficient

The energy saving, compact fluorescent LX800 Designer Series High-Bay is a must-have replacement for the high energy consuming, old standard HID style high-bay fixture. Realize an average 25 to 40 percent energy savings compared to 400 watt HID fixtures. This low heat lighting system is excellent for use in applications sensitive to the higher heat factor associated with 400 watt HID fixtures. It may also have a positive affect on air conditioning costs.

SPORTLITE, INC. Tel: 623.930.0074 Fax: 623.930.0045 601 North 44th Avenue Suite 102 Phoenix, AZ 85043 www.sportlite.com
R06/06

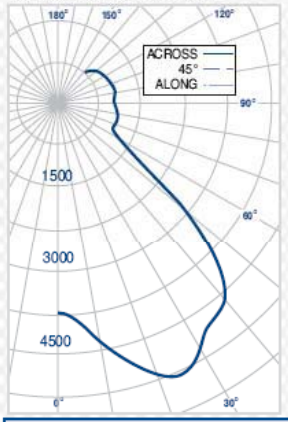
SPECIFICATIONS

Starliter™

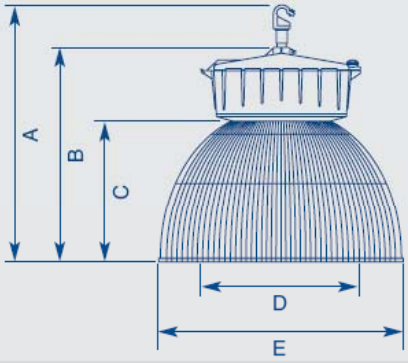
Input Watts: 336 Watts +/- 3% with 42w Lamps
Luminous Efficacy: 88.6 lm/w @ 277v (42w)

Initial Lumens per Lamp:	26w	32w	42w	57w	60w	70w	85w	120w
	1,800	2,400	3,200	4,300	4,000	5,200	6,000	9,000

Total Initial Lumens: 25,600 W/(8) 42 Watt Lamps
Lumen Maintenance: 85%
Efficiency: 81.3% of rated lumens
Color Temperature: 3,000k, 3,500k, 4,100k
Color Rendering Index: 82 - 84
Lamp Life: UP TO 20,000 hours
Base: GX24q-4 + 2G8
Electronic Ballast:.90BF, PF=99, THD<2%
Weight: 16-18lbs depending on Ballast used
Suitable for 40ºC Ambient



A	25.00"	635.00mm
B	20.75"	527.05mm
C	13.75"	349.25mm
D	x 12.00" 304.80mm	y 12.00" 304.80mm
E	∅ 22.25"	565.15mm



Ordering Information (Example – LX8-T42-41K-22LEXCP-22CLP-277-4SL-3PEN-EP94-SC)

Series

LX8	LX800 (8 Lamps)
LX8CC	LX800 Custom Color
LX6	LX600 (6 Lamps)
LX6CC	LX600 Custom Color
LX4	LX400 (4 Lamps)
LX4CC	LX400 Custom Color
LX3	LX300 (3 Lamps)
LX3CC	LX300 Custom Color
LX2	LX200 (2 Lamps)
LX2CC	LX200 Custom Color

Lamp Type

T26	26 Watt
T32	32 Watt
T42	42 Watt
T57	57 Watt
PLH60	60 Watt
T70	70 Watt
PLH85	85 Watt (Maximum 4 Lamps)
PLH120	120 Watt (Maximum 4 Lamps)

Lamp Color

27k (26w Only)
30k
35k
41k

Dome Type

22LEXCP 22" Clear Prismatic Poly

Lens Type

22CLP	22" Conical Poly Prismatic
22DL3P	22" - 3" Drop Poly Prismatic
22FLP	22" Flat Poly Clear

*Cannot use lens with lamps above 42W in LX8

Voltage

120
208
277
347 – (Extra Charge)

Switching NOTE 6

1SL	1 Switch Leg
2SL	2 Switch Legs
3SL	3 Switch Legs
4SL	4 Switch Legs
PB2S	PulseBloc (1 to 4 switch legs) Single Zone
PB2DS	PulseBloc (Dimming – To be used with one DM42-2M7 Dimming Ballast) Single Zone
PB2M	PulseBloc (1 to 4 switch legs) 2 to 4 Zone
PB2DM	PulseBloc (Dimming – To be used with one DM42-2M7 Dimming Ballast) 2 to 4 Zone

Mounting Options NOTE 1

3PEN	Pendant by Others
H	Male Hook
C	Single Circuit Cord 6'
CM	Multi-Circuit Cord 6'
HC	Male Hook & Single Circuit Cord 6'
HCM	Male Hook & Multi-Circuit Cord 6'
HCP	Male Hook, Single Circuit Cord 6' & Straight Plug
HCPL	Male Hook, Single Circuit Cord 6' & Locking Plug
HCMPL	Male Hook, Multi-Circuit Cord 6' & Locking Plug

Emergency Ballast Options (lm=lumens) NOTE 2

EP42	IOTA I-42B, One Lamp, 32w-650 lm, 42w-750 lm, IM
EP42SD	IOTA ISD-420A, One Lamp, 32W-1050 lm, 42w-1300 lm, 57w-1160 lm, 70w-1200lm, Self-Diagnostic, EX
EP420	IOTA I-420A, One Lamp, 32w -1050 lm, 42w-1300 lm, 57w-1160 lm, 70w-1200 lm, EX
EP75C	Bodine B75C, One Lamp, 32w-600 lm, 42w-800 lm, 57w-1150 lm, 70w-1300 lm, EX
EP160	IOTA I-160, Two Lamp 42w- 3000 lm, One Lamp 57w-2700 lm, One Lamp 70w-2800 lm, EX
EP94	Bodine B94C, 750 Lumens, 42w-One Lamp, IM
EP30	Bodine B30, Two Lamp, 42w-3500 lm, One Lamp, 42w-3200 lm, EX
GTD	Bodine, Generator Transfer Device, IM

Dimming Ballast Options NOTE 3, 4, 5 **

DM42-2M7	Advance, Mark VII, 32/42w- Two Lamps, 57/70w-One Lamp, – NOTE 4
DM42-2MX	Advance, Mark X, 32/42w-Two Lamp, 57/70w-One Lamp, – NOTE 3
DM42-2SE	Lutron Compact SE, 42w – Two Lamps, – NOTE 5
DM32-2SE	Lutron Compact SE, 32w – Two Lamps – NOTE 5
DM32-2TU	Lutron, Tu-Wire, 32w – Two Lamps – NOTE 3

**You must specify the quantity of dimming ballasts required per fixture.

Accessories

SC	6' Safety Cable to Ballast Box
22WG	Wire Guard
22XWG	Wire Guard (For Use with Conical Lens)
FWG	Full Wireguard (Covers Entire Reflector)
FU	In-Line Fuse (One Per Switch Leg)
DMC	Dual Mounting Crosshar
BBSW	Ballast Box Shroud – White
BBSCC	Ballast Box Shroud – Custom Color

Note 1
Plug Not Available with 4 Switch Legs.

Note 2
EX = External Mount
IM = Internal Mount
Consult Factory for EM/Cord/Plug Compatibility

Note 3
Advance Mark X and Lutron Te-Wire Ballasts Require a 2-Wire Wall Dimmer.

Note 4
Requires a 2-Wire 0-10 Volt Dimmer in addition to the Normal Hot, Neutral and Ground.

Note 5
Requires one control wire in addition to the normal hot, neutral & ground.

Note 6
If specifying PulseBloc consult PulseBloc specification guide.

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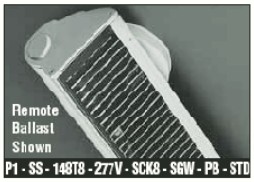
R06/06

Fluorescent Small Surface Linear

WINDIRECT™

LAMP | SIZE | APPLICATION — INDOOR | OUTDOOR | TYPE

SURFACE WALL | SURFACE CEILING | SEMI-RECESSED | SURFACE LINEAR | COVE | PENDANT | CANTILEVER | BASE MOUNT | TRUSS | MODIFIED STANDARD | FINISHES | OPTIONS | TECHNICAL



P1 - SS - 148T8 - 277V - SCK8 - SGW - P3 - STD

P2 - SS - 148T8 - 277V - SCK1 - SGW - X - STD

Profile - P1 (basic): Anodized, extruded aluminum specular reflector with solid aluminum endcaps and stainless steel hardware. Extruded aluminum visors are combined with P1 basic profile to create P2, P3, P4 & *P5 profiles.

Type - Small profile with smooth or ribbed detail.
Indoor; non-gasketed, captive extruded alum. hinge for lens and baffle options.
Outdoor; silicone gasketed lens, captive extruded alum. door with window cut-out for regressed lens.
Lens; open aperture is standard for indoor fixtures. Outdoor fixtures shall be equipped with clear acrylic lens option.

Mounting - Two standard mounts are fully adjustable and lockable.
Remote Ballast; a machined alum. knuckle connects profile to mounting plate standoff tubes to create a clean appearance.
Integral Ballast; an extruded alum. ballast housing incorporates a simple or deco yoke mount. Either wall or ceiling mounted.

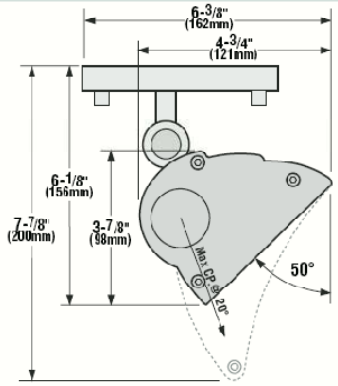
Performance - Asymmetric distribution provides a concentration of light on target surface for smooth illumination.
Ceiling; maximum candlepower aimed 20° above nadir has less than 10% spill light within the 0-20° zone and less than 2% spill light within the 90-180° zone.
Wall; maximum candlepower aimed 120° above nadir has less than 15% spill light within the 0-120° zone and less than 3% spill light within the 180-270° zone.

Electrical - Electronic, HPF ballast, lamp protection circuit, Class P and thermally protected. The minimum number of ballasts will be used. Provide 90°C supply wire.

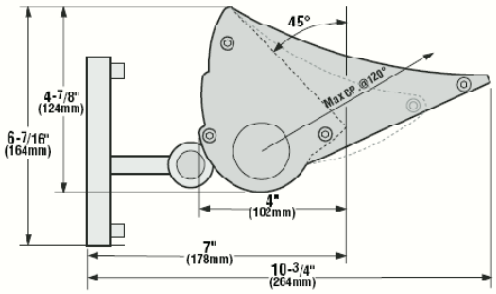
Finishes - An electrostatically applied wet paint system utilizes a multi-stage process to provide a durable acrylic enamel finish. Suitable for indoor and outdoor applications.

Options - For complete list and detailed descriptions, refer to Options Section.

SCK8: Ceiling Mount (Remote Ballast)



SCK1: Wall Mount (Remote Ballast)



Refer to mounting codes below for how to specify single and multiple fixture applications.

SPECIFICATIONS

P2 - SS - 272T8 - 277V - SCK1 - SGW - X - STD

PROFILE

P1 (basic)

P2 (solid)

P3 (perforated)

P4 (scalloped)

*P5 (short)

TYPE

Indoor Locations: (camp label)
SS: Small Smooth
SR: Small Ribbed

Outdoor Locations: (wet label)
SSW: Small Smooth **Wet**
SRW: Small Ribbed **Wet**

LAMPING - VOLTAGE

120V or 277V

Description

Linear Fluorescent

T5 Single Lamp Cross Section:
F14T5 F21T5
F28T5 F35T5

T5/HO Single or Two-Lamp Cross Section: NEW
F24T5/HO F39T5/HO
F54T5/HO F80T5/HO

T8 Single Lamp Cross Section:
F17T8 F25T8
F32T8 F40T8

NOTE: Refer to lamp chart page 69 to specify lamp code and catalog number.

MOUNTING

Remote Ballast

Ceiling Mount

SCK8 (Single)
SCK8L (Left End)
SCK8R (Right End)
SCK8I (Intermediate)

Wall Mount

SCK1 (Single)
SCK1L (Left End)
SCK1R (Right End)
SCK1I (Intermediate)

Integral Ballast

Ceiling Mount

SCS9 (Single)
SCS9L (Left End)
SCS9R (Right End)
SCS9I (Intermediate)

Wall Mount

SCS2 (Single)
SCS2L (Left End)
SCS2R (Right End)
SCS2I (Intermediate)

FINISH

SGW: Semi-Gloss White
SGB: Semi-Gloss Black
ALP: Aluminum Paint (matte finish)
LGP: Light Gold Iridescent (gloss finish)
PBP: Pale Bronze Paint(gloss finish)
SPF: (STD) Standard Painted Finish to be determined
CPF: (MOD) Custom Painted Finish

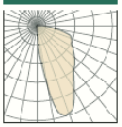
OPTIONS

X: No Options
SB: Straight Blade Baffle (external mount for use with lens)
PB: Parabolic Blade Baffle (internal mount)
EM: (remote) Emergency Battery
CA: Clear Acrylic Lens
SO: (MOD) Special Option
Options - For complete list and detailed descriptions, refer to Options Section.

CLASS

STD: Indicate only when specifying a standard.
MOD: Indicate when specifying any modification.

PHOTOMETRY



F54W15/HO
Refer to Technical Section for detailed Photometry Reports.
Report #10943

Note: *P5 (short visor) does not provide the same sightline shielding as the P2, P3 or P4 visors (see options section for details).
T8, T5 and T5/HO lamps perform poorly in temperatures below 50°F.

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WINDIRECT™ Small Surface Linear Fluorescent

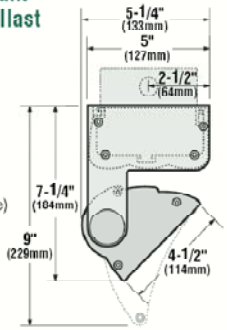
SIZE | APPLICATION | LAMP

INDOOR | OUTDOOR

SURFACE WALL | SURFACE CEILING | SEMI-RECESSED | SURFACE LINEAR | COVE | PENDANT | CANTILEVER | BASE MOUNT | TRUSS | MODIFIED STANDARD | FINISHES | OPTIONS | TECHNICAL

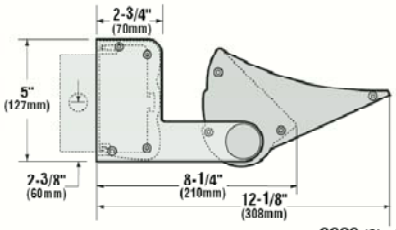
MOUNTING STYLES

Ceiling Mount Integral Ballast



SCS9 (Single)
SCS9L (Left End)
SCS9R (Right End)
SCS9I (Intermediate)

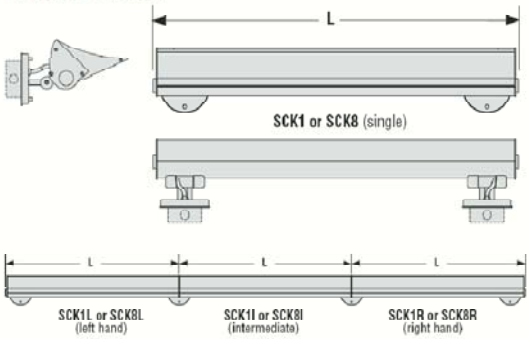
Wall Mount Integral Ballast



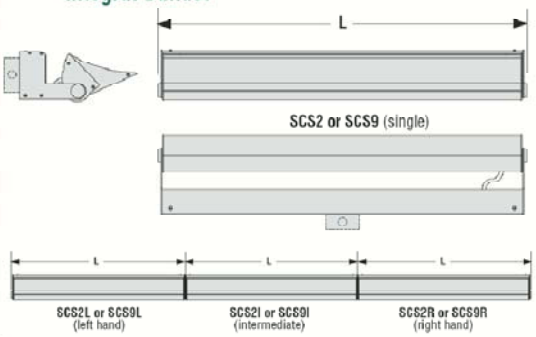
SCS2 (Single)
SCS2L (Left End)
SCS2R (Right End)
SCS2I (Intermediate)

MOUNTING DETAILS

Remote Ballast



Integral Ballast



LAMP CODES

LAMP X SECTION	LAMP SIZE	LAMP DESCRIPTION	ACTUAL LENGTHS REMOTE LENGTH SCK1,SK8	REMOTE LENGTH SCK1LR,SCK8LR	REMOTE LENGTH SCK1I,SCK8I	INTEGRAL LENGTH SCS2,SCS9	INTEGRAL LENGTH SCS2LR,SCS9LR	INTEGRAL LENGTH SCS2I,SCS9I	WEIGHT LBS. REMOTE/INTEGRAL
One Lamp (cross section)	124T8	1-17W/T8	25 7/8"	25 9/16"	25 1/4"	26 1/4"	25 15/16"	25 5/8"	8/13
	136T8	1-25W/T8	37 7/8"	37 9/16"	37 1/4"	38 1/4"	37 15/16"	37 5/8"	10/19
	148T8	1-32W/T8	49 7/8"	49 9/16"	49 1/4"	50 1/4"	49 15/16"	49 5/8"	16/26
	160T8	1-40W/T8	61 7/8"	61 9/16"	61 1/4"	62 1/4"	61 15/16"	61 5/8"	19/32
	272T8	2-25W/T8	74 13/16"	74 1/2"	74 3/16"	75 3/16"	74 7/8"	74 9/16"	20/38
	296T8	2-32W/T8	98 13/16"	98 1/2"	98 3/16"	99 3/16"	98 7/8"	98 9/16"	32/52
One Lamp (cross section)	┌select one─┐ 124T5 or 124T5/HO	1-F14W/T5 or 24W/T5/HO	24 1/4"	23 15/16"	23 5/8"	24 5/8"	24 5/16"	24"	8/13
	136T5 or 136T5/HO	1-F21W/T5 or 39W/T5/HO	36 1/16"	35 3/4"	35 7/16"	36 7/16"	36 1/8"	35 13/16"	10/19
	148T5 or 148T5/HO	1-F28W/T5 or 54W/T5/HO	47 7/8"	47 9/16"	47 1/4"	48 1/4"	47 15/16"	47 5/8"	16/26
	160T5 or 160T5/HO	1-F35W/T5 or 80W/T5/HO	59 11/16"	59 3/8"	59 1/16"	60 1/16"	59 3/4"	59 7/16"	19/32
	272T5 or 272T5/HO	2-F21W/T5 or 39W/T5/HO	71 9/16"	71"	70 11/16"	71 11/16"	71 3/8"	71 1/16"	20/38
	296T5 or 296T5/HO	2-F28W/T5 or 54W/T5/HO	94 15/16"	94 5/8"	94 5/16"	95 5/16"	95"	94 11/16"	32/52
Two Lamp (cross section)	224T5/HO	2-24W/T5/HO	24 1/4"	23 15/16"	23 5/8"	24 5/8"	24 5/16"	24"	8/13
	236T5/HO	2-39W/T5/HO	36 1/16"	35 3/4"	35 7/16"	36 7/16"	36 1/8"	35 13/16"	10/19
	248T5/HO	2-54W/T5/HO	47 7/8"	47 9/16"	47 1/4"	48 1/4"	47 15/16"	47 5/8"	16/26
	260T5/HO	2-80W/T5/HO	59 11/16"	59 3/8"	59 1/16"	60 1/16"	59 3/4"	59 7/16"	19/32
	472T5/HO	4-39W/T5/HO	71 5/16"	71"	70 11/16"	71 11/16"	71 3/8"	71 1/16"	20/38
NEW	496T5/HO	4-54W/T5/HO	94 15/16"	94 5/8"	94 5/16"	95 5/16"	95"	94 11/16"	32/52

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COLOR KINETICS

PHILIPS

COLORBLAZE 48

The ColorBlaze® 48 fixture washes large areas with far-reaching, rich, saturated colors and color-changing lighting effects. The streamlined, four-foot black metal housing provides a simple yet powerful solution for large-area scenery and wash lighting for theaters, TV and video studios, concerts, events, casinos, and exhibits. On-board power supplies and addressing capabilities eliminate the need for dedicated support equipment and simplifies specification and installation. The auto-switching power supplies work around the world.

Designed in a rugged extruded aluminum housing, each fixture features attached mounting brackets with two, 1/2-inch (13 mm) mounting holes for use with Cheeseborough clamps or pipe clamps. Locking knobs located on the mounting brackets allow for 180° rotational adjustment and locking without the use of special tools. Optional mounting brackets are available for T-handle mount applications. The housing is equipped to support spread lenses, louvers, and other attachments. A single 3-wire, 18AWG 6-foot (1.8 m) UL/cUL rated cord with IEC and flying leads is supplied. (Consult distribution for cord sets listed for PSE or CE).

Each ColorBlaze 48 fixture has eight individual circuit board assemblies, each with 18 high-intensity LEDs. This makes it sequentially controllable in 6-inch increments by a Color Kinetics DMX controller or a third-party DMX512 controller. Each circuit board is pre-addressed for Light# 1-8/DMX# 1-24. Data can be daisy-chained from fixture to fixture with an RJ-45 data cable or an XLR-5 data cable.

For protection from overheating, ColorBlaze 48 has been designed with a temperature monitoring feature. If operating temperatures rise to an unsafe level, a compensation circuit is triggered and ColorBlaze 48 operation is interrupted causing the lights to turn dull red. After 30 minutes the lights will auto-cycle and return to full intensity.

COLORBLAZE 48 SPECIFICATIONS

COLOR RANGE	16.7 million (24 bit) additive RGB colors; continuously variable intensity output range
SOURCE	High intensity power light emitting diodes (LEDs)
BEAM ANGLE	10°
HOUSING	Extruded aluminum with black finish
POWER CONNECTOR	IEC 15A (max) with C13 plug, UL/cUL rated 2-pole, 3-wire, grounded, 15A, flying leads
DATA CONNECTORS	RJ-45 or XLR-5
LISTINGS	UL/cUL, CE, PSE

COMMUNICATION SPECIFICATIONS

DATA INTERFACE	DMX512
CONTROL	Color Kinetics' line of DMX controllers or other DMX512 (RS-485) controllers

ELECTRICAL SPECIFICATIONS

POWER REQUIREMENT	100-240VAC
POWER CONSUMPTION	280W, 2.5A nominal at full intensity (full RGB)

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE RANGE	-40°F to 122°F (-40°C to 50°C) operating temperature 14°F to 122°F (-10°C to 50°C) starting temperature

CHROMACORE® BY COLOR KINETICS

OPTIBIN® BY COLOR KINETICS

PS E CE c UL us LISTED

ITEM#116-000016-00

BR0116 Rev 07

Specifications subject to change without notice. Refer to www.colorkinetics.com for the most recent data sheet versions.

LED SOURCE LIFE

In traditional lamp sources, lifetime is defined as the point at which 50% of the lamps fail. This is also termed Mean Time Between Failure [MTBF]. LEDs are semiconductor devices and have a much longer MTBF than conventional sources. However, MTBF is not the only consideration in determining useful life. Color Kinetics uses the concept of useful light output for rating source lifetimes. Like traditional sources, LED output degrades over time (lumen depreciation) and this is the metric for SSL lifetime.

LED lumen depreciation is affected by numerous environmental conditions such as ambient temperature, humidity and ventilation. Lumen depreciation is also affected by means of control, thermal management, current levels, and a host of other electrical design considerations. Color Kinetics systems are expertly engineered to optimize LED life when used under normal operating conditions. Lumen depreciation information is based on LED manufacturers' source life data as well as other third party testing. Low temperatures and controlled effects have a beneficial effect on lumen depreciation. Overall system lifetime could vary substantially based on usage and the environment in which the system is installed.

Temperature and effects will affect lifetime. Color Kinetics rates product lifetime using lumen depreciation to 50% of original light output. When the fixture is running at room temperature using a color wash effect, the range of lifetime is in the range of 80,000-100,000 hours. This is LED manufacturers' test data. High output is defined as any LED device that is 1/2 watt or above. For more detailed information on source life, please see www.colorkinetics.com/lifetime.

OPTIBIN®

There are inherent variations in the fabrication processes of all semiconductor materials. For LEDs, this variance results in differences in the color and intensity of light output as well as electrical characteristics. Due to these differences, LED manufacturers sort production into "bins," but insuring the availability of a single bin is very difficult. To minimize this issue and achieve optimal color consistency in its products, Color Kinetics has developed and uses a proprietary technology called Optibin. Optibin is an advanced production binning optimization process that minimizes the effects of LED variance for the best possible output uniformity in the final product. Color Kinetics Optibin technology gives the most consistent control of color and intensity from product to product.

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COLORBLAZE 48

PHOTOMETRIC PERFORMANCE

Photometric data is based on test results from an independent testing lab.

SOURCE SPECIFICATIONS

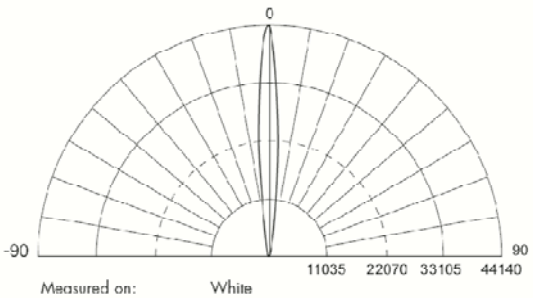
Optics:	Clear polycarbonate
Source:	144 LEDs (48 Red, 48 Green, 48 Blue)
Beam Angle:	10° (at 50% of peak illuminance)
Distribution:	Symmetric direct illumination
CCT:	Adjustable 1,000 – 10,000K
CRI:	Not measurable (CIE 13.3-1995)

ILLUMINANCE DISTRIBUTION

7.9 / 85.0	10.7 / 115.2	11.9 / 128.1	11.4 / 122.7	9.6 / 103.3	6.9 / 74.3	6.0′/2.0m
15.3 / 164.7	25.3 / 272.3	29.3 / 315.4	27.6 / 297.1	19.1 / 205.6	10.0 / 107.6	
52.8 / 568.3	99.1 / 1066.7	107.0 / 1151.7	109.0 / 1173.3	68.0 / 732.0	18.0 / 193.8	3.0′/1.0m
59.0 / 635.1	144.0 / 1550.0	183.0 / 1969.8	183.0 / 1969.8	140.0 / 1507.0	54.6 / 587.7	
23.4 / 251.9	82.5 / 888.0	127.0 / 1367.0	125.0 / 1345.5	112.0 / 1205.6	57.3 / 616.8	
10.1 / 108.7	25.5 / 274.5	38.9 / 418.7	40.5 / 435.9	35.4 / 381.0	19.6 / 211.0	0.0′/0.0m
3.0′/1.0m		0′/0m			3.0′/1.0m	

Units: Footcandles (top)/Lux (bottom)
10.8 lux = 1 fc
Measured on: All, reflectance model 80/50/20%
Distance from surface: Bottom of grid, 3′ (1.0 m) from surface, light at a 45° angle off horizontal

CANDLE POWER DISTRIBUTION



Measured on: White
Beam center: 44140 cd
Thin dashed line: Indicates 50% of peak
Multipliers: 0.33 Red, 0.50 Green, 0.18 Blue

ILLUMINANCE

COLOR	3′ / 1m	6′ / 2m	9′ / 3m	15′ / 5m
WHITE	2162.0 / 23271.8	675.0 / 7265.7	253.0 / 2723.3	122.0 / 1367.0
RED	721.2 / 7763.5	225.2 / 2423.8	84.4 / 908.5	42.4 / 456.0
GREEN	1070.2 / 11519.5	334.1 / 3596.5	125.2 / 1348.0	62.9 / 676.7
BLUE	393.5 / 4235.5	122.9 / 1322.4	46.0 / 495.6	23.1 / 248.8

Measured in Footcandles (top)/Lux (bottom) on axis.
Measured on: All, reflectance C.

LIGHT OUTPUT

COLOR	TOTAL OUTPUT (lumens)	POWER (Watts)	EFFICACY (Lm/W)
WHITE	2282	240.0	9.5
RED	761.3	84.0	9.1
GREEN	1129.6	84.0	13.4
BLUE	415.3	84.0	4.9

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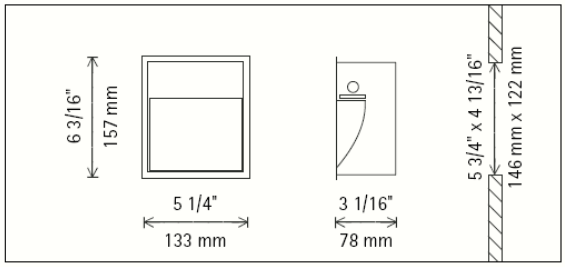
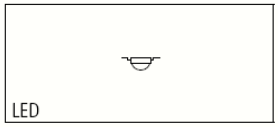
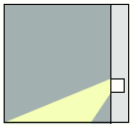
ERCO

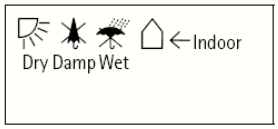
Floor washlight

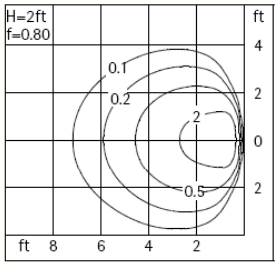
with LED











44596.023 Reflector silver LED
daylight white
LED 3.6W 135lm 5500K

Product description
Housing for recessed mounting in dry-wall partitions: plastic.
Double-sided reversible mounting frame, for covering the wall cut-out or for use as plastered-in flush wall, trim detail: plastic, white (RAL9002) lacquered. Mounting bracket: metal. Clamp extension 8-22mm.
Electronic control gear 120V, 60Hz.
5-pole terminal block. Through-wiring possible.
Version 1
Replaceable LED module.
Cover plate with reflector: plastic, surface-coated silver. Horizontal
Softec lens as safety glass.
Weight 1.81lbs / 0.82kg

ERCO Lighting, Inc.
160 Raritan Center Parkway
Suite 10
Edison, NJ 08837
USA
Tel.: +1 732 225 8856
Fax: +1 732 225 8857
info.us@erco.com

Technical Region: 120V/60Hz
Edition: 11.15.2007
Please download latest version from
www.erco.com/44596.023

1/1

PHILIPS

COLOR KINETICS

COLORBLAST12POWERCORE
PRELIMINARY SPECIFICATION - *SUBJECT TO CHANGE*

The ColorBlast® 12 Powercore fixture combines rich, saturated wall-washing color and color-changing effects with high-performance, operational efficiency, and simplified installation. Powercore® technology and low-profile mounting are combined in a stylish and durable housing.

Projecting a soft-edge beam of light, ColorBlast 12 Powercore is a sealed product designed for both indoor and outdoor installations. The fixture is fully enclosed in a rugged die-cast aluminum housing and meets or exceeds specifications for use in wet locations. ColorBlast 12 Powercore has a single 4-conductor cable and attaches to standard junction boxes with 3.5" center-to-center hole spacing. The pre-assembled mounting base provides smooth, friction-free rotation. The base is designed to simplify installation by minimizing parts and allowing for after-installation rotation, eliminating the need for precise junction box positioning. With up to 350° rotation, the locking base swivel, along with 110° locking fixture rotation, offers a versatile range of light positioning. Four mounting screws ensure a water-tight, maximum longevity seal.

Powercore technology is a digital power processing technology to drive LED systems, integrating power and data management directly into the fixture and eliminating the need for an external power supply. Powercore surpasses traditional power supply technology by streamlining multiple conversion and regulation stages into a single, flexible, microprocessor-controlled power stage that controls power output to LED systems directly from line voltage and significantly increases overall system efficiency. Built-in active power factor correction (PFC) yields higher system efficiencies and minimizes stress on building wiring, making the installation and system more cost effective.

ColorBlast 12 Powercore can be controlled by Color Kinetics' line of controllers or a third-party DMX controller and receives data via Color Kinetics' Data Enabler—a data formatting device that accepts DMX or Color Kinetics Ethernet protocol. An Installation Tool is available at http://www.colorkinetics.com to calculate the number of fixtures per Data Enabler for specific installations. For example, in an installation using a 60 foot (18.3 m), 12AWG feeder cable with 12AWG, 5 feet of cable between fixtures, each Data Enabler can support up to 25 fixtures at 120VAC (15A), 34 fixtures at 120VAC (20A), or 60 fixtures at 240VAC (20A). ColorBlast 12 Powercore.

CHROMACORE® BY COLOR KINETICS

POWERCORE® BY COLOR KINETICS

OPTIBIN® BY COLOR KINETICS

DRY

DAMP

WET

CE c UL us LISTED 13PE

COLORBLAST 12 POWERCORE PRELIMINARY SPECIFICATIONS

COLOR RANGE	16.7 million (24bit) additive RGB colors; continuously variable intensity
SOURCE	36 High intensity RGB LEDs
BEAM ANGLE	10° clear lens, 23° ground lens
HOUSING	Die cast aluminum, powder coated
LENS	Clear tempered glass or soft-focus tempered glass
CONNECTORS	Unified power and data cable
LISTINGS	UL/cUL, CE

COMMUNICATION SPECIFICATIONS

DATA INTERFACE	Color Kinetics Data Enabler
CONTROL	Color Kinetics full line of controllers or another DMX512 (RS485) source

ELECTRICAL SPECIFICATIONS

INPUT	100-240VAC, 50-60 Hz
POWER CONSUMPTION	50W @ 110-240VAC (60W @ 100VAC)
POWER FACTOR	0.95 or greater @ 120VAC

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE RANGE	-40°F to 122°F (-40°C to 50°C) operating temperature -4°F to 122°F (-20°C to 50°C) starting temperature
PROTECTION RATING	IP66 (Suitable for wet locations.)

LED SOURCE LIFE

In traditional lamp sources, lifetime is defined as the point at which 50% of the lamps fail. This is also termed Mean Time Between Failure (MTBF). LEDs are semiconductor devices and have a much longer MTBF than conventional sources. However, MTBF is not the only consideration in determining useful life. Color Kinetics uses the concept of useful light output for rating source lifetimes. Like traditional sources, LED output degrades over time (lumen depreciation) and this is the metric for SSL lifetime.

LED lumen depreciation is affected by numerous environmental conditions such as ambient temperature, humidity, and ventilation. Lumen depreciation is also affected by means of control, thermal management, current levels, and a host of other electrical design considerations. Color Kinetics systems are expertly engineered to optimize LED life when used under normal operating conditions. Lumen depreciation information is based on LED manufacturers' source life data as well as other third party testing. Low temperatures and controlled effects have a beneficial effect on lumen depreciation. Overall system lifetime could vary substantially based on usage and the environment in which the system is installed.

Temperature and effects will affect lifetime. Color Kinetics rates product lifetime using lumen depreciation to 50% of original light output. When the fixture is running at room temperature using a color wash effect, the range of lifetime is in the range of 80,000-100,000 hours. This is LED manufacturers' test data. High output is defined as any LED device that is 1/2 watt or above. For more detailed information on source life, please see www.colorkinetics.com/lifetime.

ITEM# 123-000009-00 (UL, White, Frosted Lens)
123-000009-01 (UL, Black, Frosted Lens)
123-000009-02 (CE, White, Frosted Lens)
123-000009-03 (CE, Black, Frosted Lens)
123-000009-04 (UL, White, Clear Lens)
123-000009-05 (UL, Black, Clear Lens)
123-000009-06 (CE, White, Clear Lens)
123-000009-07 (CE, Black, Clear Lens)

BROXXX Rev 00

Specifications subject to change without notice.

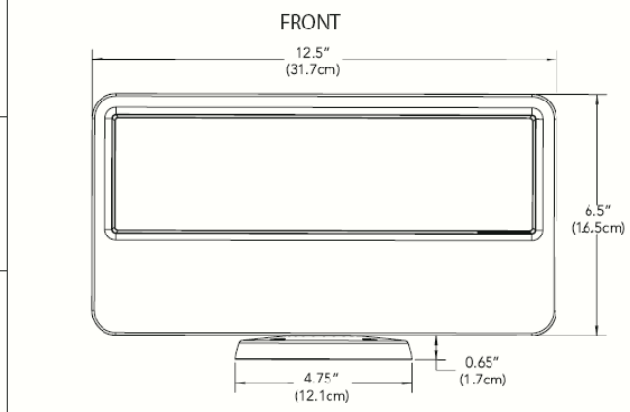
Refer to www.colorkinetics.com for the most recent data sheet versions.

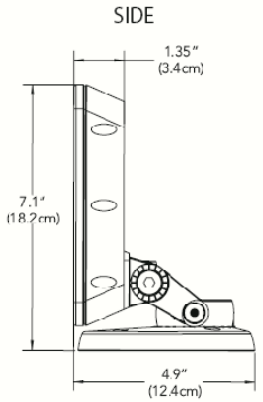
PHILIPS SOLID-STATE LIGHTING SOLUTIONS • 3 BURLINGTON WOODS DRIVE • BURLINGTON, MA 01803 • USA
TEL 800 FULL RGB • TEL 617 423 9999 • FAX 617 423 9998 • INFO@COLORKINETICS.COM • WWW.COLORKINETICS.COM

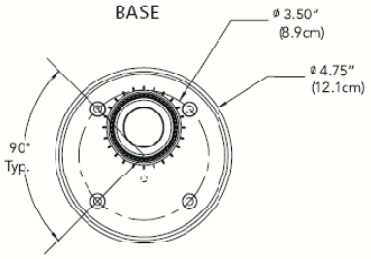
PHILIPS

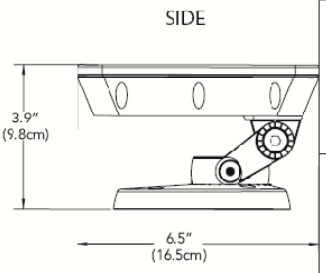
COLOR KINETICS

COLORBLAST12POWERCORE
PHYSICAL DIMENSIONS - PRELIMINARY SPECIFICATION









ColorBlast 12 Powercore SPECIFICATIONS	
DATA/POWER CONNECTOR	Hard wire in junction box
POWER REQUIREMENT	100-240VAC
WEIGHT	6.4 lbs (2.9 kg)

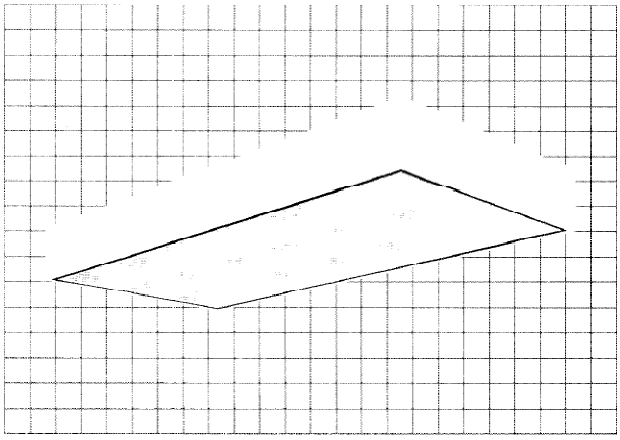
Philips Solid-State Lighting Solutions • 3 Burlington Woods Drive • Burlington, MA 01803 • USA
Tel 888 FULL RGB • Tel 617 423 9999 • Fax 617 423 9998 • info@colorkinetics.com • www.colorkinetics.com

DPB2S18DS340 ☆☆☆☆

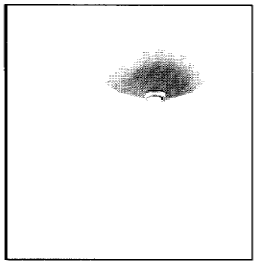
DEEPCEL SURFACE

2′ × 4′ SURFACE FLUORESCENT
3″ DEEP, 18 CELL PARABOLIC LOUVER

- Only 5½″ deep.
- Welded 20 gauge steel body.
- 45° mitered corners (body and louver).
- Side-mounted ballast for cooler operation.
- Coilzak® aluminum parabolic louver.
- Vertical grain on louver eliminates reflected lamp images on cross baffle.
- Perfectly uniform four-side black reveal
- Spring-loaded "roosterhead" latches.
- Reversible louver hinging.
- Door jamb with integral positive light stop.
- Flush end K.O.s for smooth surface appearance (at end of row or individual).
- Interchangeable with Lytecel 1½″ × 1½″ × 1″ deep, injection molded louver or 1¼″ deep regressed (DR) aluminum lens frame.
- Protective film dust guard.
- Meets NYC Code requirements.

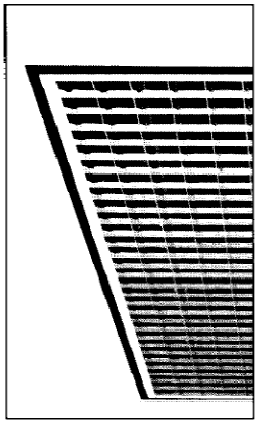


MOUNTING METHOD

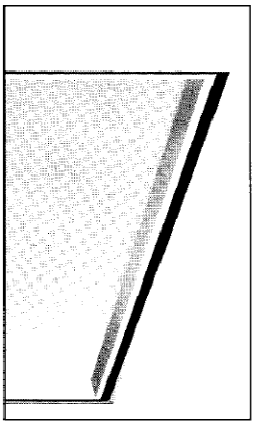


Stem mounting (four per fixture is recommended)

OPTIONS



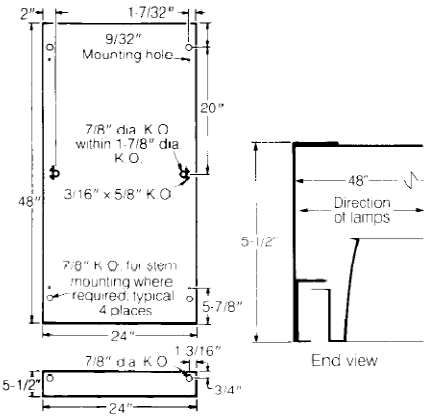
Lytecel 1½″ × 1½″ × 1″ deep, injection molded louver



1¼″ deep regressed aluminum lens frame

DIMENSIONS

All K.O.s are ⅞″ unless otherwise noted.



FIXTURE SCHEDULE

TYPE	CATALOG NO.	VOLTS

REMARKS:

LIGHTOLIER® a GENLYTE company

SECTION 2A / Folio G50-81

DPB2S18DS340

DEEPCEL SURFACE
2′ × 4′ SURFACE FLUORESCENT

PHOTOMETRY

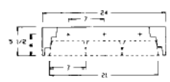
itl boulder

INDEPENDENT TESTING LABORATORIES INC. • 3386 LONGHORN ROAD BOULDER COLORADO 80302 • PHONE (303) 442-1255 FAX (303) 449-5274

REPORT NUMBER: ITL37098 DATE: 7-20-1990
PREPARED FOR: LIGHTOLIER-GENLYTE
CATALOG NUMBER: DPB2S18DS340
LUMINAIRE: FABRICATED METAL HOUSING, WHITE-PAINTED REFLECTOR, SEMI-SPECULAR 18-CELL PARABOLIC LOUVER.
LAMPS: THREE F40T12/CW, EACH RATED 3150 LUMENS.
BALLASTS: ONE MAGNATEK 446-L-SLH-TC-P, ONE MAGNATEK 412-L-SLH-TC-P
MOUNTING: SURFACE
LUMEN TO CANDELA RATIO USED = 9.17
TOTAL INPUT WATTS =134.6 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	2346	2346	2346	2346	2346	
5	2350	2345	2347	2355	2351	225
15	2262	2296	2400	2511	2543	682
25	2133	2235	2488	2719	2808	1145
35	1969	2131	2457	2691	2772	1501
45	1721	1860	2012	1926	1863	1449
55	1296	1302	1256	1150	1153	1077
65	538	525	486	411	366	458
75	23	30	30	30	30	37
85	0	6	6	6	6	6
90	0	0	0	0	0	



ZONAL LUMEN SUMMARY

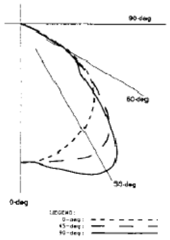
ZONE	LUMENS	%LAMP	%FIXT
0- 30	2053	21.7	31.2
0- 40	3554	37.6	54.0
0- 60	6080	64.3	92.4
0- 90	6581	69.6	100.0
90-180	0	0.0	0.0
0-180	6581	69.6	100.0

TOTAL LUMINAIRE EFFICIENCY = 69.6 %
TOTAL REFLECTANCE OF PAINT = 92.8 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.3	1.6
SHIELDING ANGLES	: 22	25
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:45.000	21.000

LUMINANCE DATA IN FOOTLAMBERTS

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	1165.	1362.	1261.
55	1082.	1048.	962.
65	610.	550.	415.
75	42.	56.	56.
85	0.	30.	35.



Checked
Approved

MODEL NO. DPB2S18DS340

coefficients of utilization—zonal cavity method

RF	20			20			20		
RC	80			50			30		
RW	70	50	30	50	30	10	50	30	10
room cavity ratio 1	78	75	73	71	69	68	68	67	65
2	72	68	64	64	61	59	62	60	58
3	67	61	56	58	54	51	56	53	51
4	62	55	50	52	48	45	51	47	44
5	57	49	43	47	42	39	45	41	38
6	52	44	38	42	37	34	41	37	34
7	48	39	34	38	33	29	37	33	29
8	44	35	30	34	29	25	33	29	25
9	41	31	26	30	25	22	29	25	22
10	38	28	23	27	23	19	27	22	19

visual comfort probability (VCP) average 100 fc: reflectances 80/50/20

room size		luminaires lengthwise: ceiling height				luminaires crosswise: ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	75	69	69	77	77	73	71	78
20	30	78	73	67	67	80	76	72	69
20	40	80	76	71	68	83	79	76	72
20	60	80	76	74	71	84	81	79	75
30	20	80	74	69	76	82	76	71	76
30	30	83	77	68	66	84	79	73	68
30	40	84	80	72	67	86	81	76	70
30	60	84	80	75	70	87	83	79	73
30	80	84	80	75	71	88	84	80	76
40	20	80	77	73	76	82	79	74	76
40	30	84	79	72	67	85	82	75	68
40	40	85	82	75	68	87	84	78	71
40	60	86	82	78	71	88	85	81	73
40	80	86	82	78	72	89	86	82	76
40	100	86	82	78	72	89	86	84	78
60	30	84	79	74	70	85	82	77	70
60	40	86	82	77	70	87	84	80	73
60	60	86	83	80	73	88	86	82	75
60	80	86	84	80	75	89	87	84	77
60	100	86	84	80	75	89	87	84	79
100	40	86	82	77	72	87	84	80	75
100	60	86	83	80	75	88	86	83	77
100	80	86	84	81	77	89	87	84	79
100	100	86	83	81	77	89	87	85	81

ORDERING INFORMATION

Explanation of Catalog Number **Example: DPB2S18DS340120LEGLR**

DP	B	2	S		D	S	3	40			
3" DEEPCEL PARABOLIC: Pre-anodized aluminum louver	**BODY STYLE:** Surface Box	**FIXTURE WIDTH**	**CEILING TYPE:** **S** = Surface	**NUMBER OF CELLS** 18 or 24	**LOUVER FINISH*:** **D** = Semi-specular, **L** = Low Iridescence Semi-specular, **P** = Low Iridescence Specular, **S** = Specular, **W** = White Paint, **G** = Champagne Gold	**BALLAST COVER**	**LAMP QUANTITY**	**LAMP LENGTH**	**VOLTAGE:** 120 or 277	**BALLAST TYPE:** **LE** = Low Energy, **OC** = Octron, **SS** = Electronic, **SO** = Electronic Octron, **DIM** = Dimming	**OPTIONS:** Add appropriate suffix to catalog no., ie: (GLR)

*Consult factory for availability of louver finishes.

OPTIONS/ACCESSORIES

STEM AND CANOPY SETS: Suspends fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.)
CATALOG NUMBER: ASC6 (6")
ASC12 (12")
ASC18 (18")
ASC24 (24")

FUSING: Internal fast-blow fusing. SUFFIX: GLR.
Internal slow-blow fusing. SUFFIX: GMF.
RADIO INTERFERENCE FILTER: 120 or 277 volt, 50 or 60 Hz. One per fixture standard. SUFFIX: RF.
ELECTRICAL/WIRING OPTIONS: Consult factory.

SPECIFICATIONS

PERFORMANCE: In an installation of 3 lamp 40W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .75. To prevent glare the VCP shall be not less than 86 either lengthwise or crosswise (at 100 fc level) and the average brightness at 65° shall not exceed 610 foot-lamberts. To control veiling reflections, luminaire output in the 30°-90° zone shall be not less than 69%.
MATERIALS: Chassis parts are die-formed 20 gauge steel, welded for rigidity with all seams finished smooth. Louver is pre-anodized aluminum. (Coilzak® or equal.)

STANDARD FINISH: Louver—semi-specular anodized, vertical grain aluminum reflector sheet. Cavity—white baked acrylic enamel, minimum 86% reflectance. Phosphate undercoating. Chassis exterior—white baked acrylic enamel.
ELECTRICAL: Rapid start HPF, LE (low energy) thermally protected class "P" ballast C.B.M. certified by E.T.L. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
LABELS: I.B.E.W. Listed by Underwriters Laboratories.

LIGHTOLIER®
a GENLYTE company

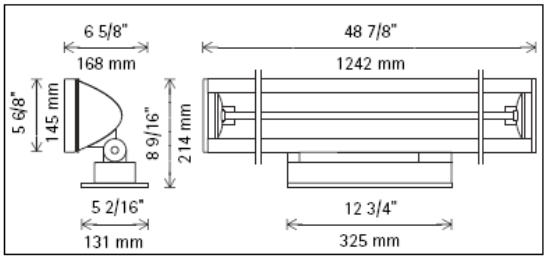
INDUSTRIAL WAY, WILMINGTON, MA 01887 • (508) 657-7600
100 LIGHTING WAY, SECAUCUS, NJ 07094 • (201) 864-3000

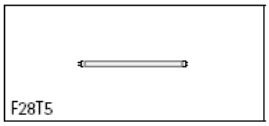
Printed in U.S.A. 10M 10/90

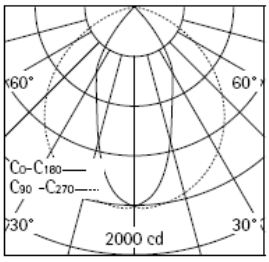
ERCO

Focalflood Floodlight

with mounting plate for fluorescent lamps







F28T5 28W Min. Bipin 2900lm

h(ft)	E(fc)	D	
		C0	C90
		44°	103°
3	179	2'5"	7'7"
6	45	4'10"	15'1"
9	20	7'3"	22'8"
12	11	9'8"	30'2"
15	7	12'1"	37'9"

34115.023 Graphit m
F28T5 28W Min. Bipin 2900lm
ECG

Product description
Housing: corrosion-resistant aluminum profile, No-rinse surface treatment. Double powder-coated. Optimized surface for reduced accumulation of dirt. Hinge, graduated disc and mounting plate: corrosion-resistant aluminum. Hinges with internal wiring, 130° tilt.
Electronic control gear 120V/277V, 60Hz. 2 cable entries. Through-wiring possible. 3-pole terminal block.
Flood reflector with focal emphasis in beam direction: Aluminum, silver, specular anodized. Side reflectors to increase the visual comfort along the lamp axis, specular anodized. Cut-off angle 50° crosswise. Without spill light.
Screw-fastened cover with safety glass: corrosion-resistant aluminum profile, double powder-coated. Hinge open for lamp replacement.
Reduction of luminous flux below 0°C.
Suitable for wet location (IP65): dust-proof and water jet-proof.
Weight 24.47lbs / 11.10kg
Maximum wind load area 2.15ft²

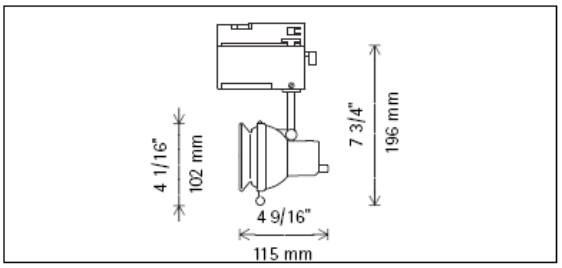
ERCO Lighting, Inc.
160 Raritan Center Parkway
Suite 10
Edison, NJ 08837
USA
Tel.: +1 732 225 8856
Fax: +1 732 225 8857
info.us@erco.com

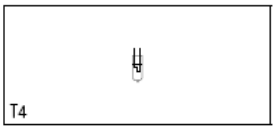
Technical Region: 120V/277V, 60Hz
Edition: 11.15.2007
Please download latest version from
www.erco.com/34115.023

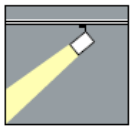
ERCO

Pollux Spotlight

with turning transadapter for low-voltage halogen lamps

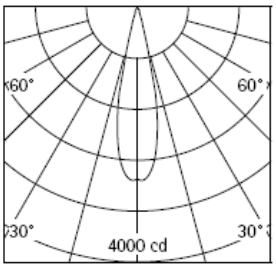






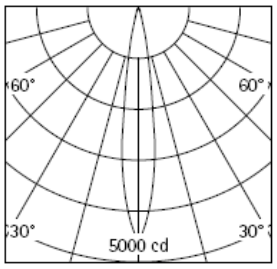
73753.023 White (RAL9002)
T4 50W 12V GY6.35 950lm
Vario reflector

Product description
Housing and bracket: cast aluminum, powder-coated. 0°-90° tiltable. Bracket on turning transadapter rotatable through 360°. Turning transadapter for ERCO 2-circuit track: plastic. Electronic transformer 120/12V, 60Hz, 20-50W.
Anti-glare ring: metal, black powder-coated, attached to the spotlight by means of a circular spring; to be removed for lamp replacement.
Vario reflector: aluminum, silver, specular anodized. Safety glass.
Focusing: adjustable lampholder, knurled screw.
Use dimmers for electronic transformers (trailing edge).
Weight 0.77lbs / 0.35kg



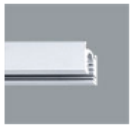
T4 50W 12V GY6.35 950lm

h(ft)	E(fc)	D 24°
3	299	1'3"
6	75	2'7"
9	33	3'10"
12	19	5'1"
15	12	6'5"



T4 50W 12V GY6.35 950lm

h(ft)	E(fc)	D 15°
3	512	0'9"
6	128	1'7"
9	57	2'4"
12	32	3'2"
15	20	3'11"



Mounting
ERCO 2-circuit track
Hi-trac 2-circuit track
Monopoll 2-circuit track

ERCO Lighting, Inc.
160 Raritan Center Parkway
Suite 10
Edison, NJ 08837
USA
Tel.: +1 732 225 8856
Fax: +1 732 225 8857
info.us@erco.com

Technical Region: 120V/60Hz
Edition: 11.15.2007
Please download latest version from
www.erco.com/73753.023

1/1

T5 Mini Bipin

Circline 4-Pin T5

FLUORESCENT

PENTRON® T5 LAMPS

PENTRON® High Output, High Performance T5 Lamps

Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Approx Lumens Mean @35°C/95°F	Symbols & Footnotes
39	T5	36	34	Mini Bipin	20932	FP39/830/HO/ECO	40	20000	3000	82	3100	2883	3500	3255	1,2,6, 8,9,11
					20855	FP39/835/HO	40	20000	3500	82	3100	2883	3500	3255	1,2,8,9,11
					20933	FP39/835/HO/ECO	40	20000	3500	82	3100	2883	3500	3255	1,2,6, 8,9,11
					20856	FP39/841/HO	40	20000	4100	82	3100	2883	3500	3255	1,2,8,9,11
					20934	FP39/841/HO/ECO	40	20000	4100	82	3100	2883	3500	3255	1,2,6, 8,9,11
54	T5	48	45.8	Mini Bipin	20857	FP54/830/HO	40	20000	3000	82	4450	4138	5000	4650	1,2,8,9,11
					20903	FP54/830/HO/ECO	40	20000	3000	82	4450	4138	5000	4650	1,2,6, 8,9,11
					20858	FP54/835/HO	40	20000	3500	82	4450	4138	5000	4650	1,2,8,9,11
					20904	FP54/835/HO/ECO	40	20000	3500	82	4450	4138	5000	4650	1,2,6, 8,9,11
					20860	FP54/841/HO	40	20000	4100	82	4450	4138	5000	4650	1,2,8,9,11
					20906	FP54/841/HO/ECO	40	20000	4100	82	4450	4138	5000	4650	1,2,6, 8,9,11
					20862	FP54/860/HO/ECO	40	20000	6000	82	4050	3766	5000	4418	1,2,6, 8,9,11
80	T5	60	57.6	Mini Bipin	20863	FP80/830/HO	40	20000	3000	82	6150	5719	7000	6510	1,2,8,9,11
					20935	FP80/830/HO/ECO	40	20000	3000	82	6150	5719	7000	6510	1,2,6, 8,9,11
					20864	FP80/835/HO	40	20000	3500	82	6150	5719	7000	6510	1,2,8,9,11
					20936	FP80/835/HO/ECO	40	20000	3500	82	6150	5719	7000	6510	1,2,6, 8,9,11
					20865	FP80/841/HO	40	20000	4100	82	6150	5719	7000	6510	1,2,8,9,11
					20937	FP80/841/HO/ECO	40	20000	4100	82	6150	5719	7000	6510	1,2,6, 8,9,11

PENTRON® Circline T5 Lamps

Nominal Wattage	Bulb	Outside Diameter (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
22	T5	8.66 - 9.06	2GX13	20702	FPC22/830	12	12000	3000	82	1800	1585	1,2,8,9,11
				20712	FPC22/835	12	12000	3500	82	1800	1585	1,2,8,9,11
				20715	FPC22/841	12	12000	4100	82	1800	1585	1,2,8,9,11
40	T5	11.54 - 12.01	2GX13	20731	FPC40/830	12	12000	3000	82	3200	2815	1,2,8,9,11
				20732	FPC40/835	12	12000	3500	82	3200	2815	1,2,8,9,11
				20733	FPC40/841	12	12000	4100	82	3200	2815	1,2,8,9,11

For more complete product information visit www.sylvania.com

Symbols/Footnotes on page 139-143

T5 Mini Bipin T8 Med Bipin T12 Med Bipin

FLUORESCENT

PREHEAT LAMPS

Miniature T5 Preheat Lamps (Starter Required)

Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Mean	Symbols & Footnotes
4	T5	6	5.91	Mini Bipin	20416	F4T5/CW	24	6000	4200	62	135	117	1,2
					20415	F4T5CW/BL/1/6	6	6000	4200	62	135	117	1,2
					20420	F4T5/D	24	6000	6500	76	115	100	ECO 1,2
6	T5	9	8.91	Mini Bipin	20617	F6T5/WW	24	7500	3000	52	275	239	1,2
					20616	F6T5/CW	24	7500	4200	62	270	235	1,2
					20619	F6T5CW/BL/1/6	6	7500	4200	62	270	235	1,2
					20620	F6T5/D	24	7500	6500	76	260	226	ECO 1,2
8	T5	12	11.91	Mini Bipin	20817	F8T5/WW	24	7500	3000	52	400	348	1,2
					20819	F8T5/WW/BL/1/6	6	7500	3000	52	400	348	1,2
					20821	F8T5/W	24	7500	3450	57	400	348	1,2
					20837	F8T5/CWX	24	7500	4100	87	270	235	ECO 1,2
					20816	F8T5/CW	24	7500	4200	62	390	339	1,2
					20834	F8T5CW/BL/1/6	6	7500	4200	62	390	339	1,2
					20824	F8T5/DSGN50	24	7500	5000	90	280	244	ECO 1,2
					20820	F8T5/D	24	7500	6500	76	350	305	ECO 1,2
13	T5	21	20.4	Mini Bipin	21301	L13W/25	25	7500	4000	75	700	630	ECO 1,2
			20.91	Mini Bipin	21317	F13T5/WW	24	7500	3000	52	880	766	1,2
					21332	F13T5/WW/BL/1/6	6	7500	3000	52	880	766	1,2
					21316	F13T5/CW	24	7500	4200	62	860	748	1,2
					21315	F13T5CW/BL/1/6	6	7500	4200	62	860	748	1,2

Standard T8 and T12 Preheat Lamps (Starter Required)

Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Mean	Symbols & Footnotes
13	T8	12	11.71	Med Bipin	21766	F13T8/CW	24	7500	4200	62	530	461	1,2
14	T8	15	14.78	Med Bipin	21486	F14T8/CW	24	7500	4200	62	685	644	1,2
					21488	F14T8/D	24	7500	6500	76	575	561	ECO 1,2
	T12	15	14.78	Med Bipin	21451	F14T12/DW/W/RP	6	9000	3000	70	720	648	ECO 1,2
					21435	F14T12/WW	30	9000	3000	52	660	574	1,2
					21536◇	F14T12/DCW/1/6/RP	6	9000	4100	70	720	648	1,2
					21409	F14T12/CW	30	9000	4200	62	650	566	1,2
					21410	F14T12/CW//6/RP	6	9000	4200	62	650	566	1,2
					21411	F14T12/D	30	9000	6500	76	590	513	ECO 1,2
15	T8	18	17.78	Med Bipin	21610	F15T8/D830	24	7500	3000	82	920	846	ECO 1,2
					21701	F15T8/WW	24	7500	3000	52	845	735	1,2
					21765	F15T8/WW/RP	6	7500	3000	52	845	735	1,2
					21609	F15T8/D35	24	7500	3500	70	940	846	ECO 1,2
					21682	F15T8/N	24	7500	3600	86	560	487	ECO 1,2
					21627▲	F15T8/CWX	24	7500	4100	87	600	522	ECO 1,2
					21603	F15T8/DCW/RP	6	7500	4100	70	900	810	ECO 1,2

For more complete product information visit www.sylvania.com

Symbols/Footnotes on page 139-143

FLUORESCENT

DULUX® T/E 4-PIN ECOLOGIC® COMPACT FLUORESCENT LAMPS

Nominal Wattage	Bulb	MOL (in)	MOL (mm)	Base	Product Number	Ordering Abbreviation	NEMA Generic Designation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
13	T4	4.2	106	GX24Q-1	20893	**CF13DT/E/835**	CFTR13W/GX24Q/835	50	12000	3500	82	900	774	1,2,3, 6,8,9,10
					20894	**CF13DT/E/841**	CFTR13W/GX24Q/841	50	12000	4100	82	900	774	1,2,3, 6,8,9,10
18	T4	4.6	116	GX24Q-2	20760	**CF18DT/E/827**	CFTR18W/GX24Q/827	50	12000	2700	82	1200	1032	1,2,3, 6,8,9,10
26	T4	5.2	124	GX24Q-3	20767	**CF26DT/E/827**	CFTR26W/GX24Q/827	50	12000	2700	82	1800	1548	1,2,3, 6,8,9,10
32	T4	5.8	147	GX24Q-3	20768	**CF32DT/E/827**	CFTR32W/GX24Q/827	50	12000	2700	82	2400	2064	1,2,3, 6,8,9,10,11

DULUX® T/E/IN AMALGAM, 4-PIN ECOLOGIC® COMPACT FLUORESCENT LAMPS

for Dimming and Electronic Ballast for High and Low Temp Applications

Nominal Wattage	Bulb	MOL (in)	MOL (mm)	Base	Product Number	Ordering Abbreviation	NEMA Generic Designation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
18	T4	4.4	111	GX24Q-2	20875	**CF18DT/E/IN/827**	CFTR18W/GX24Q/827	50	12000	2700	82	1200	1032	1,2,3, 6,8,9,10,12
					20876	**CF18DT/E/IN/830**	CFTR18W/GX24Q/830	50	12000	3000	82	1200	1032	1,2,3, 6,8,9,10,12
					20877	**CF18DT/E/IN/835**	CFTR18W/GX24Q/835	50	12000	3500	82	1200	1032	1,2,3, 6,8,9,10,12
					20878	**CF18DT/E/IN/841**	CFTR18W/GX24Q/841	50	12000	4100	82	1200	1032	1,2,3, 6,8,9,10,12
26	T4	5.0	126	GX24Q-3	20879	**CF26DT/E/IN/827**	CFTR26W/GX24Q/827	50	12000	2700	82	1800	1548	1,2,3, 6,8,9,10,12
					20880	**CF26DT/E/IN/830**	CFTR26W/GX24Q/830	50	12000	3000	82	1800	1548	1,2,3, 6,8,9,10,12
					20881	**CF26DT/E/IN/835**	CFTR26W/GX24Q/835	50	12000	3500	82	1800	1548	1,2,3, 6,8,9,10,12
					20882	**CF26DT/E/IN/841**	CFTR26W/GX24Q/841	50	12000	4100	82	1800	1548	1,2,3, 6,8,9,10,12
32	T4	5.6	142	GX24Q-3	20883	**CF32DT/E/IN/827**	CFTR32W/GX24Q/827	50	12000	2700	82	2400	2064	1,2,3, 6,8,9,10,11,12
					20884	**CF32DT/E/IN/830**	CFTR32W/GX24Q/830	50	12000	3000	82	2400	2064	1,2,3, 6,8,9,10,11,12
					20885	**CF32DT/E/IN/835**	CFTR32W/GX24Q/835	50	12000	3500	82	2400	2064	1,2,3, 6,8,9,10,11,12
					20886	**CF32DT/E/IN/841**	CFTR32W/GX24Q/841	50	12000	4100	82	2400	2064	1,2,3, 6,8,9,10,11,12
42	T4	6.5	163	GX24Q-4	20887	**CF42DT/E/IN/827**	CFTR42W/GX24Q/827	50	12000	2700	82	3200	2752	1,2,3, 6,8,9,10,11,12
					20888	**CF42DT/E/IN/830**	CFTR42W/GX24Q/830	50	12000	3000	82	3200	2752	1,2,3, 6,8,9,10,11,12
					20871©	**CF42DT/E/IN/835**	CFTR/42W/GX24Q/835	50	12000	3500	82	3200	2752	1,2,3, 6,8,9,10,11,12
					20890	**CF42DT/E/IN/841**	CFTR42W/GX24Q/841	50	12000	4100	82	3200	2752	1,2,3, 6,8,9,10,11,12
57	T4	7.76	197	GX24Q-5	20895	**CF57DT/E/IN/827**	CFTR57W/GX24Q/827	50	12000	2700	82	4300	3698	1,2,3, 6,8,9,10,11,12

FLUORESCENT

DULUX® T/E 4-PIN ECOLOGIC® COMPACT FLUORESCENT LAMPS

Nominal Wattage	Bulb	MOL (in)	MOL (mm)	Base	Product Number	Ordering Abbreviation	NEMA Generic Designation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
13	T4	4.2	106	GX24Q-1	20893	**CF13DT/E/835**	CFTR13W/GX24Q/835	50	12000	3500	82	900	774	1,2,3, 6,8,9,10
					20894	**CF13DT/E/841**	CFTR13W/GX24Q/841	50	12000	4100	82	900	774	1,2,3, 6,8,9,10
18	T4	4.6	116	GX24Q-2	20760	**CF18DT/E/827**	CFTR18W/GX24Q/827	50	12000	2700	82	1200	1032	1,2,3, 6,8,9,10
26	T4	5.2	124	GX24Q-3	20767	**CF26DT/E/827**	CFTR26W/GX24Q/827	50	12000	2700	82	1800	1548	1,2,3, 6,8,9,10
32	T4	5.8	147	GX24Q-3	20768	**CF32DT/E/827**	CFTR32W/GX24Q/827	50	12000	2700	82	2400	2064	1,2,3, 6,8,9,10,11

DULUX® T/E/IN AMALGAM, 4-PIN ECOLOGIC® COMPACT FLUORESCENT LAMPS

for Dimming and Electronic Ballast for High and Low Temp Applications

Nominal Wattage	Bulb	MOL (in)	MOL (mm)	Base	Product Number	Ordering Abbreviation	NEMA Generic Designation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
18	T4	4.4	111	GX24Q-2	20875	**CF18DT/E/IN/827**	CFTR18W/GX24Q/827	50	12000	2700	82	1200	1032	1,2,3, 6,8,9,10,12
					20876	**CF18DT/E/IN/830**	CFTR18W/GX24Q/830	50	12000	3000	82	1200	1032	1,2,3, 6,8,9,10,12
					20877	**CF18DT/E/IN/835**	CFTR18W/GX24Q/835	50	12000	3500	82	1200	1032	1,2,3, 6,8,9,10,12
					20878	**CF18DT/E/IN/841**	CFTR18W/GX24Q/841	50	12000	4100	82	1200	1032	1,2,3, 6,8,9,10,12
26	T4	5.0	126	GX24Q-3	20879	**CF26DT/E/IN/827**	CFTR26W/GX24Q/827	50	12000	2700	82	1800	1548	1,2,3, 6,8,9,10,12
					20880	**CF26DT/E/IN/830**	CFTR26W/GX24Q/830	50	12000	3000	82	1800	1548	1,2,3, 6,8,9,10,12
					20881	**CF26DT/E/IN/835**	CFTR26W/GX24Q/835	50	12000	3500	82	1800	1548	1,2,3, 6,8,9,10,12
					20882	**CF26DT/E/IN/841**	CFTR26W/GX24Q/841	50	12000	4100	82	1800	1548	1,2,3, 6,8,9,10,12
32	T4	5.6	142	GX24Q-3	20883	**CF32DT/E/IN/827**	CFTR32W/GX24Q/827	50	12000	2700	82	2400	2064	1,2,3, 6,8,9,10,11,12
					20884	**CF32DT/E/IN/830**	CFTR32W/GX24Q/830	50	12000	3000	82	2400	2064	1,2,3, 6,8,9,10,11,12
					20885	**CF32DT/E/IN/835**	CFTR32W/GX24Q/835	50	12000	3500	82	2400	2064	1,2,3, 6,8,9,10,11,12
					20886	**CF32DT/E/IN/841**	CFTR32W/GX24Q/841	50	12000	4100	82	2400	2064	1,2,3, 6,8,9,10,11,12
42	T4	6.5	163	GX24Q-4	20887	**CF42DT/E/IN/827**	CFTR42W/GX24Q/827	50	12000	2700	82	3200	2752	1,2,3, 6,8,9,10,11,12
					20888	**CF42DT/E/IN/830**	CFTR42W/GX24Q/830	50	12000	3000	82	3200	2752	1,2,3, 6,8,9,10,11,12
					20871○	**CF42DT/E/IN/835**	CFTR/42W/GX24Q/835	50	12000	3500	82	3200	2752	1,2,3, 6,8,9,10,11,12
					20890	**CF42DT/E/IN/841**	CFTR42W/GX24Q/841	50	12000	4100	82	3200	2752	1,2,3, 6,8,9,10,11,12
57	T4	7.76	197	GX24Q-5	20895	**CF57DT/E/IN/827**	CFTR57W/GX24Q/827	50	12000	2700	82	4300	3698	1,2,3, 6,8,9,10,11,12

T5 Mini Bipin

PENTRON® T5 FLUORESCENT LAMPS

PENTRON® T5 lamps are designed to operate on dedicated electronic programmed rapid start (also know as programmed start) ballasts only. These lamps are globally standardized and are designed to operate with their peak light output at 35°C (95°F) ambient temperature. For comparison purposes and to accommodate existing lamp measurement standards, ratings are given at both 25°C (77°F) and 35°C (95°F). The new lamp dimensions allow for innovative fixture designs and improved fixture performance

PENTRON® High Performance T5 Lamps

Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life @3hrs/start (@12hrs/start)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F (@35°C/95°F)	Mean @25°C/77°F (@35°C/95°F)	Symbols & Footnotes
28	T5	48	45.8	Mini Bipin	20868	FP28/830/ECO	40	20000	3000	85	2600 2900	2418 2697	CRI 31,3338,48, 7476
					20901	FP28/835/ECO	40	20000	3500	85	2600 2900	2418 2697	CRI 31,3338,48, 7476
					20902	FP28/841/ECO	40	20000	4100	85	2600 2900	2418 2697	CRI 31,3338,48, 7476
					22203	FP28/850/ECO	40	20000	5000	85	2545 2840	2367 2641	CRI 31,3338,48, 7476
					20990	FP28/865/ECO	40	20000	6500	85	2400 2750	2232 2558	CRI 31,3338,48, 7476
					20977	FP28RED 40/CS 1/SKU	40	20000			2100		1531,33,3848,74
					20978	FP28GREEN 40/CS 1/SKU	40	20000			3500		1531,33,3848,74
					20986	FP28BLUE 40/CS 1/SKU	40	20000			700		1531,33,3848,74
14	T5	24	22.2	Mini Bipin	20907	FP14/830/ECO	40	20000	3000	85	1200 1350	1116 1256	CRI 31,3338,48, 7476
					20908	FP14/835/ECO	40	20000	3500	85	1200 1350	1116 1256	CRI 31,3338,48, 7476
					20914	FP14/841/ECO	40	20000	4100	85	1200 1350	1116 1256	CRI 31,3338,48, 7476
					20988	FP14/865/ECO	40	20000	6500	85	1100 1300	1045 1209	CRI 31,3338,48, 7476
21	T5	36	34	Mini Bipin	20919	FP21/830/ECO	40	20000	3000	85	1900 2100	1767 1953	CRI 31,3338,48, 7476
					20921	FP21/835/ECO	40	20000	3500	85	1900 2100	1767 1953	CRI 31,3338,48, 7476
					20924	FP21/841/ECO	40	20000	4100	85	1900 2100	1767 1953	CRI 31,3338,48, 7476
					20989	FP21/865/ECO	40	20000	6500	85	1750 2000	1662 1860	CRI 31,3338,48, 7476
35	T5	60	57.6	Mini Bipin	20925	FP35/830/ECO	40	20000	3000	85	3300 3650	3069 3394	CRI 31,3338,48, 7476
					20926	FP35/835/ECO	40	20000	3500	85	3300 3650	3069 3394	CRI 31,3338,48, 7476
					20927	FP35/841/ECO	40	20000	4100	85	3300 3650	3069 3394	CRI 31,3338,48, 7476

PENTRON® PREMIER™ High Performance T5 Lamps

Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life @3hrs/start (@12hrs/start)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F (@35°C/95°F)	Mean @25°C/77°F (@35°C/95°F)	Symbols & Footnotes
28	T5	48	45.8	Mini Bipin	20948	FP28/830PM/ECO	40	20000	3000	85	2730 3050	2594 2898	CRI 31,3338,48, 7476
					20943	FP28/835PM/ECO	40	20000	3500	85	2730 3050	2594 2898	CRI 31,3338,48, 7476
					20944	FP28/841PM/ECO	40	20000	4100	85	2730 3050	2594 2898	CRI 31,3338,48, 7476

For more complete product information visit www.sylvania.com

Symbols/Footnotes on page 160-165


DULUX® S/E


DULUX® D

DULUX S/E 4-PIN COMPACT FLUORESCENT LAMPS

for Dimming and Electronic Ballast. Lamps have End-of-lamp Life (EOL) Protection

Nominal Wattage	Bulb	MOL (in)	MOL (mm)	Base	Product Number	Ordering Abbreviation	NEMA Generic Designation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Intial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
5	S (T4)	3.4	86	2G7	20311	**CF5DS/E/827**	CFT5W/2G7/827	50	10000	2700	82	230	198	CH 1,6,5,12,16,20
					20315	**CF5DS/E/841**	CFT5W/2G7/841	50	10000	4100	82	230	198	CH 1,6,5,12,16,20
7	S (T4)	4.5	115	2G7	20312	**CF7DS/E/827**	CFT7W/2G7/827	50	10000	2700	82	400	344	CH 1,2,5,12,16,20
					20316	**CF7DS/E/841**	CFT7W/2G7/841	50	10000	4100	82	400	344	CH 1,2,5,12,16,20
9	S (T4)	5.7	145	2G7	20313	**CF9DS/E/827**	CFT9W/2G7/827	50	10000	2700	82	580	499	CH 1,2,5,12,20
					20317	**CF9DS/E/841**	CFT9W/2G7/841	50	10000	4100	82	580	499	CH 1,2,5,12,20
13	S (T4)	6.2	157	2GX7	20314	**CF13DS/E/827**	CFT13W/2GX7/827	50	10000	2700	82	800	688	CH 1,2,5,12,20
					20284	**CF13DS/E/830**	CFT13W/2GX7/830	50	10000	3000	82	800	688	CH 1,2,5,12,20
					20318	**CF13DS/E/841**	CFT13W/2GX7/841	50	10000	4100	82	800	688	CH 1,2,5,12,20

DULUX D PREHEAT 2-PIN ECOLOGIC® COMPACT FLUORESCENT LAMPS

With starter in Lamp Base for Magnetic Ballast

Nominal Wattage	Bulb	MOL (in)	MOL (mm)	Base	Product Number	Ordering Abbreviation	NEMA Generic Designation	Pkg Qty	Avg Rated Life (hrs)	CCT (K)	CRI	Approx Lumens Intial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
9	D (T4)	4.3	110	G23-2	20537	**CF9DD/827/RP/ECO**	CFQ9W/G23/827	10	10000	2700	82	525	452	CH 1,4,6,11, 12,20,22
					20689	**CF9DD/827/ECO**	CFQ9W/G23/827	50	10000	2700	82	525	452	CH 1,4,6,11, 12,20,22
					20783	**CF9DD/830/ECO**	CFQ9W/G23/830	50	10000	3000	82	525	452	CH 1,4,6,11, 12,20,22
					20690	**CF9DD/835/ECO**	CFQ9W/G23/835	50	10000	3500	82	525	452	CH 1,4,6,11, 12,20,22
13	D (T4)	4.6	118	GX23-2	20691	**CF13DD/827/ECO**	CFQ13W/GX23/827	50	10000	2700	82	780	671	CH 1,4,6,11, 12,20,22
					20705	**CF13DD/830/ECO**	CFQ13W/GX23/830	50	10000	3000	82	780	671	CH 1,4,6,11, 12,20,22
					20692	**CF13DD/835/ECO**	CFQ13W/GX23/835	50	10000	3500	82	780	671	CH 1,4,6,11, 12,20,22
					20708	**CF13DD/841/ECO**	CFQ13W/GX23/841	50	10000	4100	82	780	671	CH 1,4,6,11, 12,20,22
18	D (T4)	6.0	153	G24D-2	20676	**CF18DD/827/ECO**	CFQ18W/G24D/827	50	10000	2700	82	1150	989	CH 1,4,6,11, 12,20,22
					20709	**CF18DD/830/ECO**	CFQ18W/G24D/830	50	10000	3000	82	1150	989	CH 1,4,6,11, 12,20,22
					20677	**CF18DD/835/ECO**	CFQ18W/G24D/835	50	10000	3500	82	1150	989	CH 1,4,6,11, 12,20,22
					20678	**CF18DD/841/ECO**	CFQ18W/G24D/841	50	10000	4100	82	1150	989	CH 1,4,6,11, 12,20,22
26	D (T4)	6.8	173	G24D-3	20679	**CF26DD/827/ECO**	CFQ26W/G24D/827	50	10000	2700	82	1710	1470	CH 1,4,6,11, 12,20,22
					20710	**CF26DD/830/ECO**	CFQ26W/G24D/830	50	10000	3000	82	1710	1470	CH 1,4,6,11, 12,20,22
					20680	**CF26DD/835/ECO**	CFQ26W/G24D/835	50	10000	3500	82	1710	1470	CH 1,4,6,11, 12,20,22
					20681	**CF26DD/841/ECO**	CFQ26W/G24D/841	50	10000	4100	82	1710	1470	CH 1,4,6,11, 12,20,22

COMPACT FLUORESCENT

For more complete product information visit www.sylvania.com

Symbols/Footnotes on page 124

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CAPSYLITE® A-LINE

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
42	A19	E26 Med	18907	★	42A/HAL/F	120	12	Inside Frost	C,CC-8	3500	580 2750	3.13	4.38
			18908	★ 137,154	42A/HAL/F	130	12	Inside Frost	C,CC-8	3500	580 2750	3.13	4.38
			@ 120 volts, approximate 37 watts, 450 lumens, 7000 hours										
50	A19	E26 Med	18968	★	50A/HAL/CRYSTAL	120	12	Crystal	C,CC-8	2500	860 2825	3.13	4.38
52	A19	E26 Med	18921	★	52A/HAL/F	120	12	Inside Frost	C,CC-8	3500	770 2775	3.13	4.38
			18922	★ 137,165	52A/HAL/F	130	12	Inside Frost	C,CC-8	3500	770 2775	3.13	4.38
			@ 120 volts, approximate 46 watts, 600 lumens, 7000 hours										
60	A19	E26 Med	18998	★	60A/HAL/CL/CLAM	120	6	Clear	C,CC-8	3000	965 2850	3.13	4.38
			18942	★	60A/HAL/CRYSTAL/CLAM	120	6	Crystal	C,CC-8	3000	965 2850	3.13	4.38
			18960	★	60A/HAL/F	120	12	Inside Frost	C,CC-8	3000	965 2850	3.13	4.38
			18999	★	60A/HAL/F/CLAM	120	6	Inside Frost	C,CC-8	3000	960 2850	3.13	4.38
72	A19	E26 Med	18937	★	72A/HAL/F	120	12	Inside Frost	C,CC-8	3500	1150 2825	3.13	4.38
			18938	★ 137,176	72A/HAL/F	130	12	Inside Frost	C,CC-8	3500	1150 2825	3.13	4.38
			@ 120 volts, approximate 63 watts, 900 lumens, 7000 hours										
75	A19	E26 Med	19000	★	75A/HAL/CL/CLAM	120	6	Clear	C,CC-8	3000	1330 2875	3.13	4.38
			18969	★	75A/HAL/CRYSTAL	120	12	Crystal	C,CC-8	3000	1330 2875	3.13	4.38
			18906	★	75A/HAL/CRYSTAL/CLAM	120	6	Crystal	C,CC-8	3000	1330 2875	3.13	4.38
			18965	★	75A/HAL/F	120	12	Inside Frost	C,CC-8	3000	1315 2875	3.13	4.38
			18997	★	75A/HAL/F/CLAM	120	6	Inside Frost	C,CC-8	3000	1315 2875	3.13	4.38
100	A19	E26 Med	19003	★	100A/HAL/CL/CLAM	120	6	Clear	C,CC-8	3000	1800 2900	3.13	4.38
			18911	★	100A/HAL/CRYSTAL/CLAM	120	6	Crystal	C,CC-8	3000	1800 2900	3.13	4.31
			18970	★	100A/HAL/F	120	12	Inside Frost	C,CC-8	3000	1800 2900	3.13	4.38
			18905	★	100A/HAL/F/CLAM	120	6	Inside Frost	C,CC-8	3000	1800 2900	3.13	4.38
150	A19	E26 Med	18912	★	150A/HAL/CLAM	120	6	Inside Frost	C,CC-8	3000	3000 2975	3.13	4.31

For more complete product information visit www.sylvania.com

Symbols/Footnotes on page 64-68

T8 Med Bipin

OCTRON® AND OCTRON® CURVALUME® FLUORESCENT LAMPS

OCTRON® lamps are T8 fluorescent lamps designed to be operated on dedicated magnetic rapid start or electronic instant start or programmed rapid start (also known as programmed start) ballasts. For details on various lamp/ballast system combinations, please refer to the Systems Performance Guide in the "SYLVANIA QUICKTRONIC® Ballast Technology and Specification Guide".

OCTRON® 800 XPS® Lamps

Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life @3hrs/start (@12hrs/start)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
32	T8	48	47.78	Med Bipin	21680	FO32/830/XPS/ECO	30	36000 (42000)	3000	85	3100	2945	CRI 19,31,33,48, 52,76,94
					21697	FO32/835/XPS/ECO	30	36000 (42000)	3500	85	3100	2945	CRI 19,31,33,48, 52,76,94
					21681	FO32/841/XPS/ECO	30	36000 (42000)	4100	85	3100	2945	CRI 19,31,33,48, 52,76,94
					21660	FO32/850/XPS/ECO	30	36000 (42000)	5000	80	3000	2850	E CRI 19,31,33, 48,52,76,94
					21659	FO32/865/XPS/ECO	30	36000 (42000)	6500	80	2900	2750	E CRI 19,31,33, 48,52,76,94
Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life @3hrs/start	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
17	T8	24	23.78	Med Bipin	22150	FO17/830/XPS/ECO	30	30000	3000	85	1400	1330	CRI 3,33,48,52, 76,93,94
					22151	FO17/835/XPS/ECO	30	30000	3500	85	1400	1330	CRI 3,33,48,52, 76,93,94
					22152	FO17/841/XPS/ECO	30	30000	4100	85	1400	1330	CRI 3,33,48,52, 76,93,94
25	T8	36	35.78	Med Bipin	22153	FO25/830/XPS/ECO	30	30000	3000	85	2200	2090	CRI 3,33,48,52, 76,93,94
					22154	FO25/835/XPS/ECO	30	30000	3500	85	2200	2090	CRI 3,33,48,52, 76,93,94
					22155	FO25/841/XPS/ECO	30	30000	4100	85	2200	2090	CRI 3,33,48,52, 76,93,94

OCTRON® 800 XP® 4 Foot SUPERSAVER® Lamps

Nominal Wattage	Bulb	Nominal Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Avg Rated Life @3hrs/start (@12hrs/start)	CCT (K)	CRI	Approx Lumens Initial @25°C/77°F	Approx Lumens Mean @25°C/77°F	Symbols & Footnotes
25		48	47.78	Med Bipin	22232	FO32/25W/830/XP/SS/ECO	30	36000 (42000)	3000	85	2475	2350	CRI 9,16,17,18 20,31,33,76,94
					22233	FO32/25W/835/XP/SS/ECO	30	36000 (42000)	3500	85	2475	2350	CRI 9,16,17,18 20,31,33,76,94
					22234	FO32/25W/841/XP/SS/ECO	30	36000 (42000)	4100	85	2475	2350	CRI 9,16,17,18 20,31,33,76,94
					22235	FO32/25W/850/XP/SS/ECO	30	36000 (42000)	5000	85	2300	2185	CRI 9,16,17,18 20,31,33,76,94
28	T8	48	47.78	Med Bipin	22177	FO28/830/XP/SS/ECO	30	36000 (42000)	3000	85	2725	2590	CRI 9,16,20,23 31,33,44,76,94,95
					22178	FO28/835/XP/SS/ECO	30	36000 (42000)	3500	85	2725	2590	CRI 9,16,20,23 31,33,44,76,94,95
					22179	FO28/841/XP/SS/ECO	30	36000 (42000)	4100	85	2725	2590	CRI 9,16,20,23 31,33,44,76,94,95
					22184	FO28/850XP/SS/ECO	30	36000 (42000)	5000	80	2600	2470	E CRI 9,16,20, 23,31,33,76,94,95

For more complete product information visit www.sylvania.com

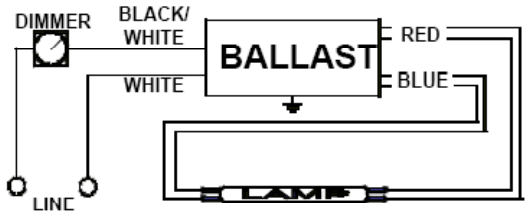
Symbols/Footnotes on page 160-165

REZ-154	
Brand Name	MARK 10 POWERLINE
Ballast Type	Electronic Dimming
Starting Method	Programmed Start
Lamp Connection	Series
Input Voltage	120
Input Frequency	60 HZ
Status	Active

Electrical Specifications

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (Watts) (min/max)	Ballast Factor (min/max)	MAX THD %	Power Factor	Lamp Current Crest Factor	B.E.F.
* F54T5/HO	1	54	50/10	0.53	13/63	0.03/1.00	10	0.98	1.7	1.59
FC12T5/HO	1	55	50/10	0.50	13/59	0.03/0.90	10	0.98	1.7	1.53
FT55W/2G11	1	55	50/10	0.50	13/59	0.05/0.90	10	0.98	1.7	1.53

Wiring Diagram



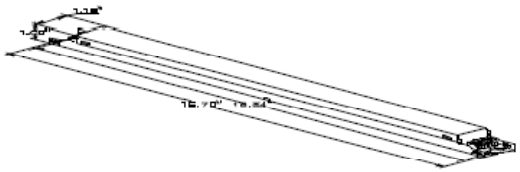
The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

	in.	cm.
Black	0	0
White	0	0
Blue	0	0
Red	0	0
Yellow	0	0
Gray	0	0
Violet	0	0

	in.	cm.
Yellow/Blue	0	0
Blue/White	0	0
Brown	0	0
Orange	0	0
Orange/Black	0	0
Black/White	0	0
Red/White	0	0

Enclosure



Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
16.70 "	1.18 "	1.00 "	16.34 "
16 7/10	1 9/50	1	16 17/50
42.4 cm	3 cm	2.5 cm	41.5 cm

Revised 08/21/2006

Data is based upon tests performed by Advance Transformer in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

ADVANCE
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

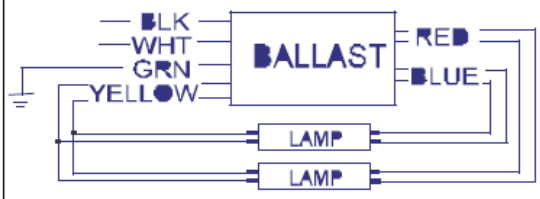
ADVANCE™

Electrical Specifications

RMB-2P13-S3-H	
Brand Name	MATCHBOX
Ballast Type	Electronic
Starting Method	Instant Start
Lamp Connection	Series
Input Voltage	120
Input Frequency	60 HZ
Status	Active

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	MAX THD %	Power Factor	MAX Lamp Current Crest Factor	B.E.F.
CFQ13W/G24Q	2	13	0/-18	0.23	27	0.90	10	0.98	1.7	3.33
CFQ18W/G24Q	1	18	0/-18	0.13	15	0.80	15	0.96	1.7	5.33
CFT7W/2G7	2	7	0/-18	0.14	16	1.00	15	0.95	1.7	6.25
CFT9W/2G7	2	9	0/-18	0.17	20	1.05	10	0.98	1.7	5.25
CFTR13W/GX24Q	2	13	0/-18	0.23	27	0.90	10	0.98	1.7	3.33
CFTR18W/GX24Q	1	18	0/-18	0.13	15	0.80	15	0.96	1.7	5.33
* F13T5	2	13	0/-18	0.24	28	0.95	10	0.97	1.7	3.39
F14T5	2	14	0/-18	0.24	28	0.90	10	0.97	1.7	3.21
F8T5	2	8	0/-18	0.16	19	1.25	10	0.98	1.7	6.58
F8T5 & F13T5	2	813	0/-18	0.20	23	1.10	10	0.97	1.7	4.78

Wiring Diagram



Green terminal must be grounded

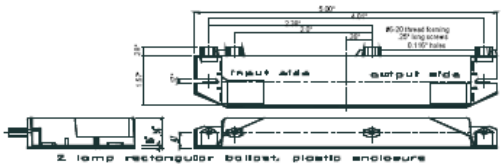
The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

	in.	cm.
Black	0	0
White	0	0
Blue	0	0
Red	0	0
Yellow	0	0
Gray	0	0
Violet	0	0

	in.	cm.
Yellow/Blue	0	0
Blue/White	0	0
Brown	0	0
Orange	0	0
Orange/Black	0	0
Black/White	0	0
Red/White	0	0

Enclosure



2 lamp rectangular ballast, plastic enclosure

Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
5.0 "	1.85 "	0.94 "	4.6 "
5	1 17/20	0 47/50	4 3/5
12.7 cm	4.7 cm	2.4 cm	11.7 cm

Revised 01/26/2004

Data is based upon tests performed by Advance Transformer in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

ADVANCE
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

VEZ-1T42-M2-BS	
Brand Name	MARK 10 POWERLINE
Ballast Type	Electronic Dimming
Starting Method	Programmed Start
Lamp Connection	Series
Input Voltage	277
Input Frequency	60 HZ
Status	Active

Electrical Specifications

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (Watts) (min/max)	Ballast Factor (min/max)	MAX THD %	Power Factor	Lamp Current Crest Factor	B.E.F.
CFQ26W/G24Q	1	26	50/10	0.11	08/31	0.05/1.05	10	0.98	1.6	3.39
CFTR26W/GX24Q	1	26	50/10	0.11	08/31	0.05/1.05	10	0.98	1.6	3.39
* CFTR32W/GX24Q	1	32	50/10	0.14	09/38	0.05/1.05	10	0.98	1.6	2.76
CFTR42W/GX24Q	1	42	50/10	0.18	10/49	0.05/1.05	10	0.99	1.6	2.14

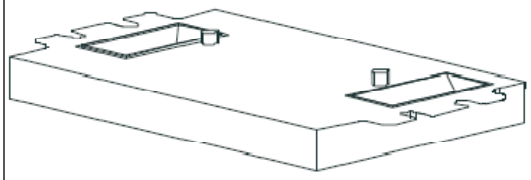
Wiring Diagram

Diag. 134

The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

Enclosure



Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
4.98 "	3.00 "	1.29 "	2.00 "
4 49/50	3	1 29/100	2
12.6 cm	7.6 cm	3.3 cm	5.1 cm

Revised 09/10/2002

Data is based upon tests performed by Advance Transformer in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

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O'HARE INTERNATIONAL CENTER · 10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018
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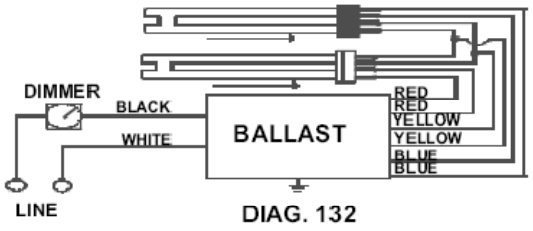
Corporate Offices: Phone: 800-322-2086

VEZ-2T42-M3-BS	
Brand Name	MARK 10 POWERLINE
Ballast Type	Electronic Dimming
Starting Method	Programmed Start
Lamp Connection	Series
Input Voltage	277
Input Frequency	60 HZ
Status	Active

Electrical Specifications

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (Watts) (min/max)	Ballast Factor (min/max)	MAX THD %	Power Factor	Lamp Current Crest Factor	B.E.F.
CFTR32W/GX24Q	2	32	50/10	0.28	20/76	0.05/1.00	10	0.98	1.6	1.32
* CFTR42W/GX24Q	2	42	50/10	0.36	20/98	0.05/1.00	10	0.98	1.6	1.02
CFTR57W/GX24Q	1	57	50/10	0.24	18/66	0.05/1.00	10	0.98	1.6	1.52
CFTR70W/GX24Q	1	70	50/10	0.29	18/80	0.05/1.00	10	0.98	1.6	1.25

Wiring Diagram

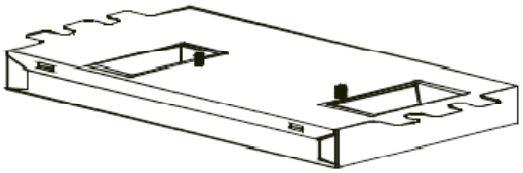


DIAG. 132

The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

Enclosure



Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
6.28 "	3.00 "	1.29 "	2.00 "
6 7/25	3	1 29/100	2
16 cm	7.6 cm	3.3 cm	5.1 cm

Revised 08/17/2006

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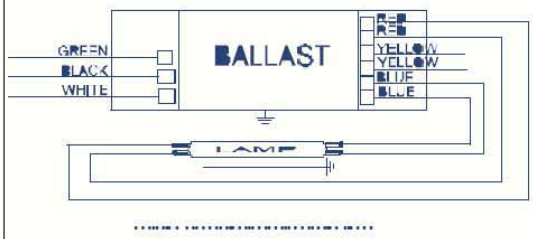
ADVANCE

Electrical Specifications

ICN-2S28@277	
Brand Name	CENTIUM T5
Ballast Type	Electronic
Starting Method	Programmed Start
Lamp Connection	Series
Input Voltage	277
Input Frequency	50/60 HZ
Status	Active

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	MAX THD %	Power Factor	MAX Lamp Current Crest Factor	B.E.F.
F14T5	1	14	0/-18	0.07	19	1.07	20	0.90	1.7	5.63
F14T5	2	14	0/-18	0.13	34	1.06	10	0.98	1.7	3.12
F21T5	1	21	0/-18	0.10	26	1.03	15	0.95	1.7	3.96
F21T5	2	21	0/-18	0.17	48	1.02	10	0.98	1.7	2.13
* F28T5	1	28	0/-18	0.12	33	1.04	10	0.98	1.7	3.15
F28T5	2	28	0/-18	0.23	63	1.03	10	0.99	1.7	1.63
F35T5	1	35	0/-18	0.15	41	1.01	10	0.98	1.7	2.46
F35T5	2	35	0/-18	0.28	77	1.00	10	0.99	1.7	1.30

Wiring Diagram



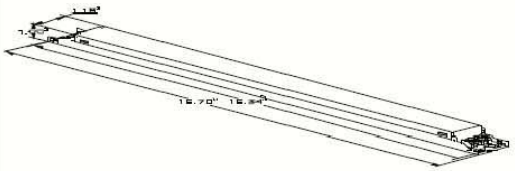
The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

	in.	cm.
Black	0	0
White	0	0
Blue	0	0
Red	0	0
Yellow	0	0
Gray	0	0
Violet	0	0

	in.	cm.
Yellow/Blue	0	0
Blue/White	0	0
Brown	0	0
Orange	0	0
Orange/Black	0	0
Black/White	0	0
Red/White	0	0

Enclosure



Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
16.70 "	1.18 "	1.00 "	16.34 "
16 7/10	1 9/50	1	16 17/50
42.4 cm	3 cm	2.5 cm	41.5 cm

Revised 09/01/2004

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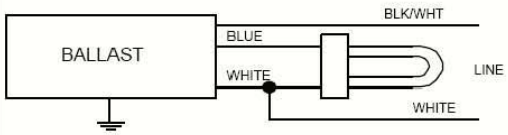
VH-1B9-TP-W	
Brand Name	COMPACT-HPF
Ballast Type	Magnetic
Starting Method	Pre-Heat
Lamp Connection	Series
Input Voltage	277
Input Frequency	60 HZ
Status	Active

Electrical Specifications

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Starting Current (Amps)	Open Circuit (Amps)	Input Power (Watts)	Ballast Factor	MAX THD %	Power Factor
CFQ9W/G23	1	9	0/-18	0.05	0.18	0.17	15	0.95	35	0.95
CFT5W/G23	1	5	0/-18	0.05	0.18	0.17	11	0.95	50	0.82
CFT7W/G23	1	7	0/-18	0.05	0.18	0.17	12	0.93	45	0.84
* CFT9W/G23	1	9	0/-18	0.05	0.18	0.17	12	0.94	35	0.89

Wiring Diagram



Diag. 47

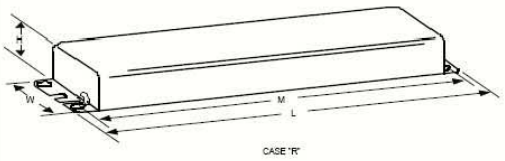
The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

	in.	cm.
Black		0
White	15	38.1
Blue	15	38.1
Red		0
Yellow		0
Gray		0
Violet		0

	in.	cm.
Yellow/Blue		0
Blue/White		0
Brown		0
Orange		0
Orange/Black		0
Black/White	15	38.1
Red/White		0

Enclosure



Enclosure Dimensions

OverAll (L)	Width (std)/(TP)	Height (H)	Mounting (M)
4.75 "	2.21875 "/0 "	1.625 "	4.375 "
4 3/4	2 7/32 / 0	1 5/8	4 3/8
12.1 cm	5.6 cm / 0 cm	4.1 cm	11.1 cm

Revised 07/01/1999

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FDI Interfaces

Installation Instructions
Please Leave for Occupant

FDI-INC-2000 120VAC 50/60Hz
For Incandescent and Magnetic Low-Voltage Loads
FDI-ELV-1000 120VAC 50/60Hz
For Electronic Low-Voltage Loads
FDI-FTU-16A-120 120VAC 50/60Hz
For Lutron Tu-Wire® Ballast Loads

Description

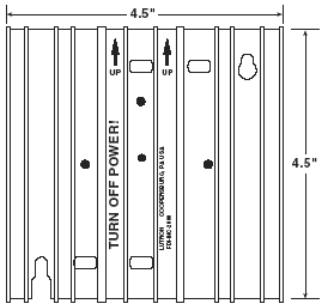
Fluorescent dimmer interfaces are used to convert a fluorescent phase control dimming signal into a dimmed hot output for incandescent, magnetic low-voltage, and Tu-Wire® ballast loads.

The FDI-INC-2000 is for use with 120V incandescent and magnetic low-voltage loads.

The FDI-ELV-1000 is for use with 120V electronic low-voltage loads.

The FDI-FTU-16A-120 is for use with Lutron 120V Tu-Wire® electronic dimming ballast loads.

The FDI Interfaces are for use with the following Lutron controller models only: RTA-RX-F-SC, RTA-RX-F, PN-IR, PN-IR-LP, MW-LC-2, DMW-LZC1 and DMW-LZC4.



Important Information

Warning: Always turn OFF the circuit breakers or remove the main fuses from the power line before doing any work. Failure to do so can result in serious personal injury. Disconnect all power sources before servicing unit.

1. This control must be installed by a qualified electrician.
2. Install in accordance with all applicable regulations.
3. Proper short-circuit and overload protection must be provided at the distribution panel.
4. Improper wiring can result in personal injury, damage to the control, or damage to other equipment.
5. This interface must be mounted with arrows facing upward to insure adequate cooling.
6. In magnetic low-voltage installations use ***only*** FDI-INC-2000 with iron core transformer low-voltage incandescent fixtures.
7. In electronic low-voltage installations use ***only*** FDI-ELV-1000 with solid state electronic low-voltage transformers that are manufacturer approved to be dimmed by reverse phase control.
8. CAUTION- Dimmed low-voltage transformers: To avoid excessively high current flow that can cause transformer overheating and failure, observe the following:
   (a) Do not operate the unit with all of the lamps removed or with any lamps inoperative.
   (b) Replace any burned out lamps immediately.
   (c) Use only transformers which incorporate thermal protection or fused primary windings.
9. The FDI-ELV-1000 contains a thermal device that turns off the interface if overloaded. The interface will turn on when it cools.

Installation & Operation

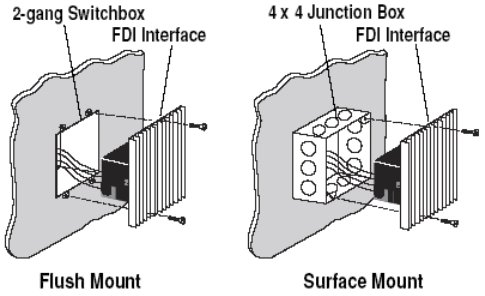
New Installations:

Check each zone for shorts or open circuits. Turn power OFF. Connect a standard switch between the live lead and a zone's load wire, then turn power on. If the load does not operate, the circuit is open. If the circuit breaker trips (fuse blows), the circuit is shorted. Correct any open or shorted condition and test again before proceeding.

1. Turn supply power OFF to the dimming controller and the feed to the FDI Interface.
2. Strip 1/2" of insulation from wires as shown:

3. Wire as shown in appropriate Wiring Diagram on reverse of this sheet. Each terminal will accept up to two wires (#12 to #18AWG). Use 75°C copper (CU) wire only. Tighten terminals to 9 in-lbs of torque.
4. Confirm all connections and mount unit using the screws provided as illustrated in the Mounting Diagram.
5. Restore power to the system. Operate the system according to the installation guide supplied with your controller.

Mounting Diagram



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Wiring Diagrams

Figure 1 – Wiring the FDI Interface with RadioTouch™ Controller models RTA-RX-F or RTA-RX-F-SC

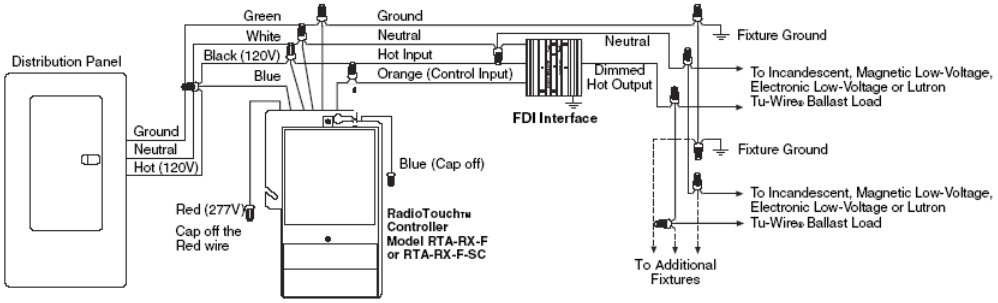


Figure 2 – Wiring the FDI Interface with microWATT® Controller models MW-LC-2, DMW-LZC1 or DMW-LZC4

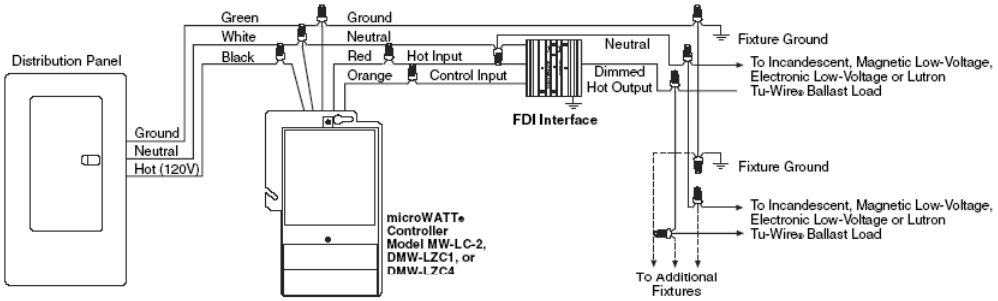
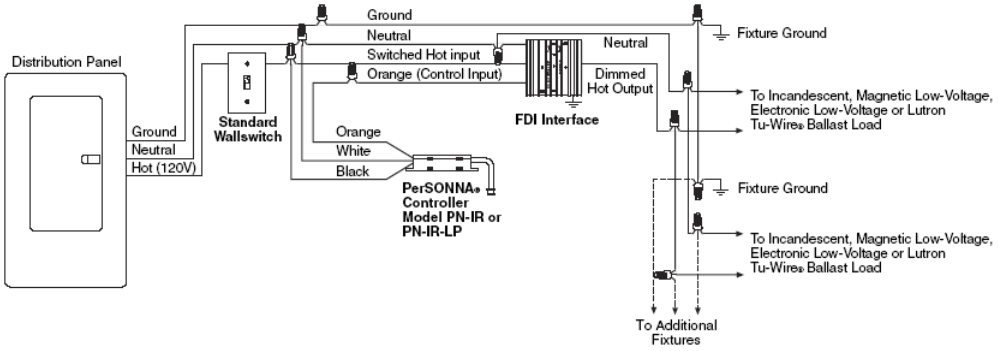


Figure 3 – Wiring the FDI Interface with PerSONNA® Controller models PN-IR or PN-IR-LP



Worldwide Technical and Sales Assistance

If you have questions concerning the installation or operation of this product, call the ***Lutron Technical Support Center.***
Please provide exact model number when calling.
(800) 523-9466 (U.S.A., Canada, and the Caribbean)
Other countries call (610) 282-3800
Fax (610) 282-3090
Visit our web site at www.lutron.com

Limited Warranty

Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within one year after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid.

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