



CATALOG OF LIGHTING INNOVATION + SHINING NEW LIGHT ON THINGS

2006



COMPACT FLUORESCENT LAMPS



LINEAR



FIXTURES



EXIT & EMERGENCY



SPECIALTY



INCANDESCENT



HALOGEN



METAL HALIDE



SHINING NEW LIGHT ON



C F L

TAKING CFL LIGHTING TO THE NEXT LEVEL

THE SMALLEST CFL'S EVER!

- Now a lamp to fit any application

SELF-BALANCING AMALGAM

- Provides consistent performance across many applications

SPECIALIZED GLASS COATING. TRI-PHOSPHOR MIX AND LEAD-FREE GLASS

- Produces better lumens and lumen maintenance over the life of the bulb

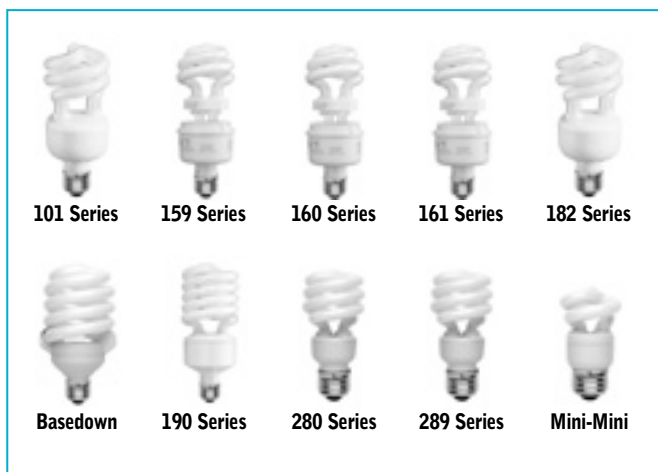
SPRINGLAMPS

FEATURES/BENEFITS

- Smallest size of CFL's ever
- Quickstart Technology
- Fast run-up time
- Proprietary glass and coating process
- High initial lumens
- Excellent lumen maintenance
- Cool, reliable operating temperature
- Wide range of options and accessories

APPLICATIONS

- Ideal for Bare Bulb Fixtures, Chandeliers, Ceiling Fixtures, Desk Lamps, Floor Lamps, Outdoor Lights, Table Lamps, Recessed Cans and Wall Sconces



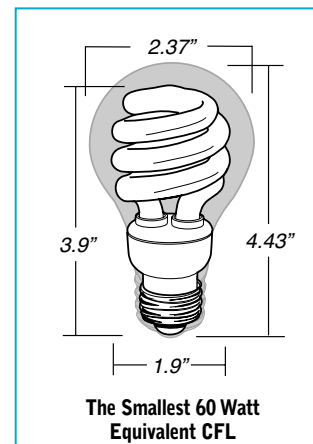
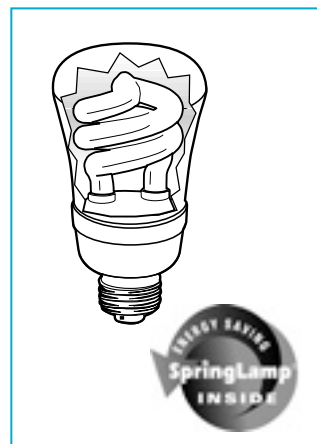
FLOODLIGHTS

FEATURES/BENEFITS

- Quickstart Technology
- Fast run-up time
- U.L. Listed for wet locations
- Use indoors and outdoors (1 piece only)
- SpringLamp inside technology
- High initial lumens
- Excellent lumen maintenance
- Cool, reliable operating temperature
- Consistently longer life

APPLICATIONS

- Ideal for Outdoor Fixtures, Recessed Cans, and Track Lights



ANOTHER NEW INNOVATIVE SOLUTION

The World's First "Fresh Bulb" is a revolutionary new product that breaks down odors while providing energy efficient light.



DECORATIVE LAMPS

FEATURES/BENEFITS

- Quickstart Technology
- Fast run-up time
- U.L. Listed for wet locations
- SpringLamp inside technology
- High initial lumens
- Excellent lumen maintenance
- Cool, reliable operating temperature
- Consistently Longer Life

APPLICATIONS

- Ideal for use in Ceiling Fixtures, Closet Lights, Floor Lamps, Decorative Fixtures, Enclosed Outdoor, Table Lamps, and Vanity Strips



CIRCLINE LAMPS

FEATURES/BENEFITS

- T6 provide a luminous combination of color and brightness in a small size
- Smaller diameter lamps fit additional applications
- Provides consistent, even light appearance in all fixtures

APPLICATIONS

- Ideal for use in Ceiling Fixtures, Closet Lights, Floor Lamps and Table Lamps



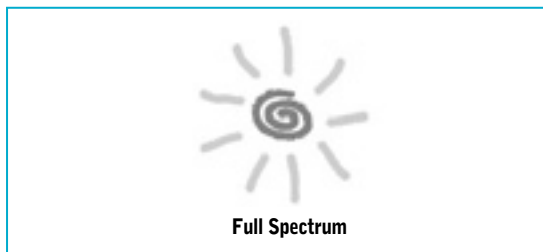
FULL SPECTRUM

FEATURES/BENEFITS

- 5500K, 90CRI, Special Phosphor
- Provides excellent color rendition on surrounding objects
- Available in 9W — 42W SpringLamps
- Crisp, clean natural light shows true colors

APPLICATIONS

- Ideal for use where color rendering is important such as task lighting, work areas, and offices





Mini Mini Series

289 Series

101 Series

280 Series

330 Series

COMPACT FLUORESCENT LAMPS

800.324.1496
WWW.TCPI.COM

ITEM NUMBER	ITEM DESCRIPTION	UNIT/BALLAST WATTS	LAMP WATTS	INCANDESCENT COMPARISON (WATTS)	INITIAL LUMENS	CCT (KELVIN)	CRI	ENERGY STAR	MOL/HEIGHT (INCHES)	DIAMETER/WIDTH (INCHES)	LAMP LIFE (HOURS)	BALLAST LIFE (HOURS)	VOLTAGE	DEPTH	INPUT LINE CURRENT	REPLACEMENT LAMP	BASE TYPE
MINI, MINI, ELECTRONIC, NPF, 8,000 HOUR, <150% THD																	
28904	4 Watt Mini-Spring Lamp	4		25	250	2700	82	Y	3.00	1.50	8000		120		.07A		E26
28904C	4 Watt Mini-Spring Lamp	4		25	250	2700	82		3.10	1.50	8000		120		.07A		Candelabra
MINI SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, <150% THD																	
28909	9 Watt Mini-Spring Lamp	9		40	550	2700	82	Y	3.60	1.90	10000		120		.15A		E26
28913	13 Watt Mini-Spring Lamp	13		60	900	2700	82	Y	3.90	1.90	10000		120		.22A		E26
28918	18 Watt Mini-Spring Lamp	18		75	1200	2700	82		4.60	2.30	10000		120		.30A		E26
28923	23 Watt Mini-Spring Lamp	23		100	1600	2700	82	Y	4.80	2.30	10000		120		.38A		E26
28927M	27 Watt Mini-Spring Lamp	27		100	1850	2700	82	Y	5.10	2.40	10000		120		.45A		E26
SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, <150% THD																	
28932	32 Watt SpringLamp	32		130	2100	2700	82		6.10	2.70	10000		120		.53A		E26
28942	42 Watt SpringLamp	42		150	2800	2700	82		7.00	2.80	10000		120		.70A		E26
28942BD	42 Watt Base Down SpringLamp	42		150	2650	2700	82		5.70	2.70	10000		120		.70A		E26
DIMMABLE SPRINGLAMPS, ELECTRONIC, HPF, 10,000 HOUR, <33% THD																	
10120	20 Watt Dimmable SpringLamp	20		75	1200	2700	82	Y	5.28	2.40	10000		120		.18A		E26
3-WAY SPRINGLAMPS, ELECTRONIC, 10,000 HOUR, <33% THD																	
19032	14/19/32 Watt 3-Way SpringLamp	14/19/32		40/75/150	450/1100/1950	2700	82		6.80	2.40	10000		120		.53A		E26
SPRINGLAMPS, ELECTRONIC, NPF, 15,000 HOUR, <150% THD																	
28013	13 Watt SpringLamp	13		60	900	2700	82		3.90	1.90	15000		120		.22A		E26
28018	18 Watt SpringLamp	18		75	1200	2700	82		4.60	2.30	15000		120		.30A		E26
28023	23 Watt SpringLamp	23		100	1600	2700	82		4.80	2.30	15000		120		.38A		E26
28027M	27 Watt Mini-Spring Lamp	27		100	1850	2700	82		5.10	2.40	15000		120		.45A		E26
TWO-PIECE REPLACEMENT LAMPS, GX24 BASE, PL 4-PIN, AMALGAM																	
33026	26 Watt SpringLamp	26		100	1750	2700	82		4.80	2.20	10000		120		.43A		GX24 4-pin



R20 Reflector



R30 Series



R40 Series



P38 Reflector



P30 Reflector

ITEM NUMBER	ITEM DESCRIPTION	UNIT/BALLAST WATTS	LAMP WATTS	INCANDESCENT COMPARISON (WATTS)	INITIAL LUMENS	CCT (KELVIN)	CRI	ENERGY STAR	MOL/HEIGHT (INCHES)	DIAMETER/WIDTH (INCHES)	LAMP LIFE (HOURS)	BALLAST LIFE (HOURS)	VOLTAGE	DEPTH	INPUT LINE CURRENT	REPLACEMENT LAMP	BASE TYPE
1-PIECE REFLECTORS, WET LOCATION RATED, ELECTRONIC, NPF, 8,000 HOUR																	
1R2009	9 Watt R20 Floodlight	9		25	300	2700	82	Y	3.80	2.50	8000		120		.15A		E26
1R2014	14 Watt R20 Floodlight	14		50	500	2700	82	Y	4.30	2.50	8000		120		.23A		E26
2R3014	14 Watt R30 Floodlight	14		65	650	2700	82	Y	5.40	3.70	8000		120		.23A		E26
2R3016	16 Watt R30 Floodlight	16		75	750	2700	82	Y	5.70	3.70	8000		120		.27A		E26
1P3016	16 Watt PAR30 Floodlight	16		75	750	2700	82		5.70	3.70	8000		120		.27A		E26
1R4016	16 Watt R40 Floodlight	16		75	750	2700	82		5.90	4.70	8000		120		.27A		E26
1P3816	16 Watt PAR38 Floodlight	16		75	750	2700	82		5.90	4.60	8000		120		.27A		E26
1R4019	19 Watt R40 Floodlight	19		85	950	2700	82		5.90	4.70	8000		120		.32A		E26
2P3819	19 Watt PAR38 Floodlight	19		85	950	2700	82		5.90	4.60	8000		120		.32A		E26
1R4023	23 Watt R40 Floodlight	23		120	1250	2700	82	Y	6.50	4.80	8000		120		.38A		E26
1P3823	23 Watt PAR38 Floodlight	23		90	1200	2700	82	Y	6.50	4.70	8000		120		.38A		E26
1R4014IB	14 Watt R40 Floodlight InstaBright	14		65	600	2700	82		5.90	4.70	6000		120		.23A		E26
A-LAMP, ELECTRONIC, NPF, ON/OFF																	
11314	14 Watt A-Lamp	14		60	800	2700	82	Y	4.40	2.40	8000		120		.20A		E26
11314IB	14 Watt A-Lamp InstaBright	14		50	600	2700	82		4.80	2.40	6000		120		.23A		E26
TORPEDO LAMP, ELECTRONIC, NPF, ON/OFF																	
10704C	4 Watt Torpedo CAND	4		15	195	2700	82		4.40	1.40	8000		120		.07A		Candelabra
10709	9 Watt Torpedo Lamp	9		40	425	2700	82		4.80	1.70	8000		120		.16A		E26
10709C	9 Watt Torpedo Lamp	9		40	425	2700	82		4.40	1.70	8000		120		.16A		Candelabra
GLOBE LAMP, ELECTRONIC, ON/OFF																	
1G2509	9 Watt G25 Globe	9		40	495	2700	82	Y	4.40	3.10	8000		120		.15A		E26
1G2514	14 Watt G25 Globe	14		60	800	2700	82	Y	4.40	3.10	8000		120		.23A		E26
1G3014	14 Watt G30 Globe	14		60	800	2700	82	Y	5.00	3.65	8000		120		.23A		E26
TWIN TUBE PL LAMPS																	
32007	7 Watt 2-Pin Twin Tube	7			400	2700	82		5.20	1.05	10000		120		.11A		G23
32009	9 Watt 2-Pin Twin Tube	9			600	2700	82		6.31	1.05	10000		120		.15A		G23
32013	13 Watt 2-Pin Twin Tube	13			800	2700	82		7.13	1.05	10000		120		.21A		GX23

Also available in 30K, 35K, 41K, 50K, 65K



113 Series



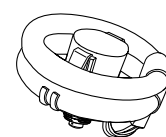
107 Series



G25 Globe Lamp



T6 Circline







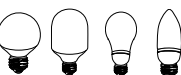



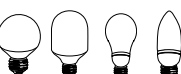



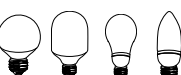



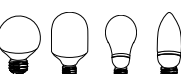



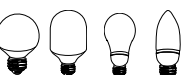












33 Watt Circline

ITEM NUMBER	ITEM DESCRIPTION	UNIT/BALLAST WATTS	LAMP WATTS	INCANDESCENT COMPARISON (WATTS)	INITIAL LUMENS	CCT (KELVIN)	CRI	ENERGY STAR	MOI/HEIGHT (INCHES)	DIAMETER/WIDTH (INCHES)	LAMP LIFE (HOURS)	BALLAST LIFE (HOURS)	VOLTAGE	DEPTH	INPUT LINE CURRENT	REPLACEMENT LAMP	BASE TYPE
QUAD TUBE PL LAMPS																	
32013Q	13 Watt 2-Pin Quad Tube	13			800	2700	82		4.65	1.05	10000		120		.21A		GX23-2
32413Q	13 Watt 4-Pin Quad Tube	13			800	2700	82		5.10	1.05	10000		120		.21A		G24q-1
32418Q	18 Watt 4-Pin Quad Tube	18			1100	2700	82		5.69	1.05	10000		120		.30A		G24q-2
32426Q	26 Watt 4-Pin Quad Tube	26			1600	2700	82		6.31	1.05	10000		120		.43A		G24q-3
Also available in 30K, 35K, 41K, 50K, 65K																	
T6 CIRCLINE ADAPTERS WITH LAMPS, ELECTRONIC, NPF, 2850K																	
17033L	33 Watt Circline Adapter with Lamp	33		125	2000	2850	82		3.50	5.50	10000	50000	120		.55A	32033	E26
17040L	40 Watt Circline Adapter with Lamp	40		150	2800	2850	82		3.65	7.50	10000	50000	120		.66A	32040	E26
16533L	33 Watt Circline Adapter with Lamp	33	10/ 20/ 33	50/ 100/ 150	2150	2850	82		3.50	5.50	10000	50000	120		.55A	32033	E26
Bent wire bracket standard Shipped in bulk packs, add suffix RP for single packs																	
T6 CIRCLINE LAMPS, 2850K																	
32020	20 Watt Circline Lamp	20	20	75	1200	2850	82		1.00	6.00	10000		120				
32022	22 Watt Circline Lamp	22	22	90	1400	2850	82		1.00	8.00	10000		120				
32032	32 Watt Circline Lamp	32	32	130	2200	2850	82		0.75	9.00	10000		120				
32040	40 Watt Circline Lamp	40	40	150	2800	2850	82		0.75	7.50	10000		120				

Noodles, roller coasters, candy canes, light bulbs.
All more fun when you add a spiral.

Specialty lamps are available as special order items. To order, use the TCP Item # with the suffix listed after each specialty lamp description.

OPTION	ORDER SUFFIX	AVAILABLE FOR:			
Wet Location Spring Lamp	WL		SpringLamp Series 280, 289, 182, 101		
Shatter Resistant	SS		SpringLamp Series 280, 289, 182, 101, 159, 160, 161		Floodlight R20
3100 K	31K		SpringLamp Series 280, 289, 182, 101, 159, 160, 161		T6 Circline
					Floodlight 1R, 2R, 1P
					Decorative 1G, 1T, 113, 107
3500 K	35K		SpringLamp Series 280, 289, 182, 101, 159, 160, 161		T6 Circline
					Floodlight 1R, 2R, 1P
					Decorative 1G, 1T, 113, 107
4100 K	41K		SpringLamp Series 280, 289, 182, 101, 159, 160, 161		T6 Circline
					Floodlight 1R, 2R, 1P
					Decorative 1G, 1T, 113, 107
5100 K	51K		SpringLamp Series 280, 289, 182, 101, 159, 160, 161		T6 Circline
					Floodlight 1R, 2R, 1P
					Decorative 1G, 1T, 113, 107
6500 K	65K		SpringLamp Series 280, 289, 182, 101, 159, 160, 161		T6 Circline
					Floodlight 1R, 2R, 1P
					Decorative 1G, 1T, 113, 107
Full Spectrum	FS		SpringLamp Series 28909 – 28942, 28009 – 28027		
Pink/Soft Pink	P SP		SpringLamp Series 280, 289, 182, 101, 159, 160, 161		Floodlight 1R, 2R, 1P
Yellow	Y		SpringLamp Series 28013 – 28023, 28913 – 28923		A lamp 11314
Green • Blue • Red	GR BL RD		SpringLamp Series 28902 – 28913, 11304, 2P3819		
Long Neck	1.65" 165 1.75" 175 2.25" 225		SpringLamp Series 182, 101, 159, 160, 161, 28009 – 28027, 28909 – 28942		T6 Circline
					Floodlight 1R, 2R, 1P
277 Volts	277X H277		SpringLamp 28927 – 28942 SpringLamp Mogul Base 28927 – 28942		
BlackLight	BK		Call for availability		
Permanent Installation	PERM		Call for availability		

TCP PART NUMBER	DESCRIPTION	MOL (INCHES)	DIAMETER (INCHES)	MOL WITH LAMP (INCHES)	SPRINGLAMPS MAX. LAMP SIZE
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GLOBES AND CAPSULES — GLASS

199G	G30 Globe	4.0	4.0	7.2	23 Watt
199T	T24 Capsule	4.0	3.0	7.2	23 Watt
199LG	G40 Globe	5.0	5.0	8.2	23 Watt

ALUMINUM REFLECTORS FOR 1 PIECE LAMPS (Friction Fit)

201M20	M20 Mini Reflector	2.7	2.5	4.0	13 Watt
201M30	M30 Mini Reflector	2.9	3.7	4.2	13 Watt
201M3018	M30 Mini Reflector/18w	3.3	3.7	4.9	18 Watt
201M3023	M30 Mini Reflector/23w	3.7	3.7	5.0	23 Watt
201M40	M40 Mini Reflector	3.0	4.7	4.4	13 Watt
201M4018	M40 Mini Reflector/18w	3.3	4.6	4.8	18 Watt
201M4023	M40 Mini Reflector/23w	3.6	5.0	5.0	23 Watt
101R30	R30 Reflector	3.7	3.7	5.4	27 Watt
101R40	R40 Reflector	4.5	4.7	6.2	32 Watt
101R50	R50 Reflector	5.6	5.6	7.5	32 Watt
101R5042	R50 Reflector for 42w	5.6	5.6	7.9	42 Watt

SNAP-ON ALUMINUM REFLECTORS FOR 2 PIECE LAMPS (Lock and Retain Style)

159M30	R30 Mini Reflector	3.2	3.7	5.0	14 Watt
159S30	R30 Reflector	3.5	3.7	6.5	15 Watt
159S40	R40 Reflector	3.8	4.7	7.2	23 Watt
159S50	R50 Reflector	4.5	5.6	8.2	32 Watt

UNIFLOOD™ REFLECTORS

151R30	U30 Uniflood Reflector	4.0	3.7	6.5	18 Watt
151R40	U40 Uniflood Reflector	4.0	5.2	7.0	23 Watt

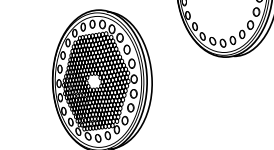
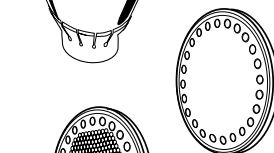
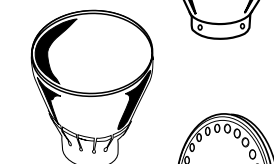
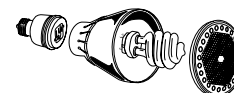
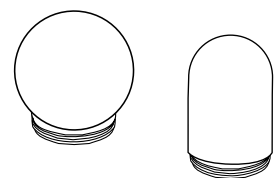
SNAP-ON REFLECTOR COVERS

10R20CV*	R20 Reflector cover, vented 2.5" diameter
10R30CV*	R30 Reflector cover, vented 3.8" diameter
10R40CV*	R40 Reflector cover, vented 4.7" diameter
10R50CV*	R50 Reflector cover, vented 5.8" diameter
151C30*	R30 Uniflood cover, 3.8" diameter
151C40*	R40 Uniflood cover, 5.3" diameter

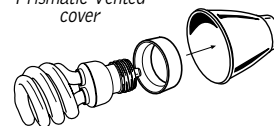
* Use PV instead of CV for Prismatic Vented reflector covers

MINI REFLECTOR ADAPTER RINGS FOR NEW 1 PIECE LAMPS

RR101M	Fits into 101M20, 101M30, 101M40 reflectors, 1.6" diameter
RR101M19	Fits into 101M3019, 101M4019, 101M40 reflectors, 1.8" diameter
RR27M	Fits into 101R20, 101R30, 101R40 reflectors, use with 28927M and 28027



Prismatic Vented cover

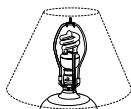
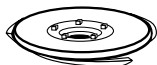


Permanent Installation Disk

A Permanent Installation Disk (10PERM) is used to allow only TCP Compact Fluorescent Lamps to fit in a standard light socket to qualify for energy saving rebates.

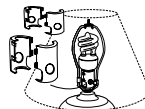


10PERM



10LOCK

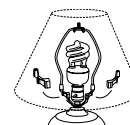
13LOCK



12LOCK

Vandal Resistant Devices

The Vandal Resistant Devices (10LOCK, 12LOCK and 13LOCK) are used to help prevent bulb theft. (Use 10LOCK with all lamps except covered lamps) (Use 12LOCK with all lamps except candelabra base lamps)



Lamp Harp Extenders


























Simply slip on harp ends to extend and fit around larger size bulbs.

Item #	Description
10PERM	Permanent Installation Disk













Item #	MOL	Description
10LOCK		Vandal Resistant Device
12LOCK	2.34"	Vandal Resistant Device
13LOCK	1.96"	Short, snap-on VRD

Item #	Description
15HEXT	Harp Extenders (set of 2)

Reflectors for 1-Piece Lamps

TCP PART #		DESCRIPTION		USE WITH THESE LAMPS:	
201M20		Mini Aluminum R20		Mini SpringLamps 28909, 28913, 28009, 28013	
201M30		Mini Aluminum R30		Mini SpringLamps 28909, 28913, 28009, 28013	
201M3018		Mini Aluminum R30		Mini SpringLamps 18214, 28918, 28018	
201M3023		Mini Aluminum R30		Mini SpringLamps 28923, 28023	
201M40		Mini Aluminum R40		Mini SpringLamps 2809, 28913, 28009, 28013	
201M4018		Mini Aluminum R40		Mini SpringLamps 18214, 28918, 28018	
201M4023		Mini Aluminum R40		Mini SpringLamps 28923, 28023	
101R30		Aluminum R30		SpringLamp 10109, 10111, 10115, 18209, 18211, 18215, 28927, 28027	Goodlamp 19515 
101R40		Aluminum R40		SpringLamp 10109, 10111, 10115, 10120, 18209, 18211, 18215, 18220, 18223, 18227, 28027, 28032, 28927, 28932	Goodlamp 19515 
101R50		Aluminum R50		SpringLamp 10109, 10111, 10115, 10120, 18209, 18211, 18215, 18220, 18223, 18227, 28027, 28032, 28927, 28932	Goodlamp 19515, 19520 
RR101M RR101M19 RR27M		Adapter fits into 101M20, 101M30, 101M40 Adapter fits into 101M3019, 101M4019 Adapter fits into 101R20, 101R30, 101R40		Mini SpringLamps 28909, 28913, 28009, 28013 Mini SpringLamps 28918, 28018 Mini SpringLamps 28927M, 28027M	

Reflectors for 2-Piece Lamps

159M30		Mini Aluminum R30		SpringLamp 15909LM – 15914LM, 16009LM – 16014LM	
159S30		Aluminum R30		SpringLamp 16109 – 16115, 16009 – 16015, 15909 – 15915, 19915	
159S40		Aluminum R40		SpringLamp 16109 – 16120, 16009 – 16023, 15909 – 15926, 19915 – 19927	
159S50		Aluminum R50		SpringLamp 16109 – 16120, 16009 – 16026, 15909 – 15926, 19915 – 19927	
151R30		Uniflood™ R30		SpringLamp 16109 – 16115, 16009 – 16015, 15909 – 15915, 19915	
151R40		Uniflood™ R40		SpringLamp 16109 – 16120, 16009 – 16023, 15909 – 15923, 19915 – 19918	



SHINING NEW LIGHT ON



LINEAR

T8 FLUORESCENT HIGH BAY LUMINARIES

ENERGY SAVING ALTERNATIVE TO HID SYSTEMS

- Lower your lighting energy cost 50% or more

CONTROL YOUR LIGHTING

- Instant on, Instant re-strike. Easy to switch, use occupancy sensor, photocell and more.

"STAY LIGHT" FEATURE

- If one lamp goes out, the rest stay lit

ELITE SERIES

FEATURES/BENEFITS

- Operates 4 or 6 energy efficient 32 watt T8 lamps
- Choice of 95% Miro 4 or 92% white reflector
- Post painted

APPLICATIONS

- Designed for suspended, pendant and surface mounting
- Ideal for industrial, general and warehouse aisle applications
- Optional wire guard available for use in gymnasiums



Elite

POWER STRIP SERIES

FEATURES/BENEFITS

- Available in 4' or 8' lengths
- Operates 3 or 6 energy efficient 32 watt T8 lamps
- Standard with 95% Miro 4 reflector

APPLICATIONS

- Designed for suspended, pendant and surface mounting
- Ideal for industrial, general and warehouse aisle applications
- Excellent for wide aisle applications



Power Strip

POWER CAGE SERIES

FEATURES/BENEFITS

- Available in 4' or 8' lengths
- Operates 2, 3, 4, 6 or 8 energy efficient 32 watt T8 lamps
- Standard with 95% Miro 4 reflector

APPLICATIONS

- Designed for suspended, pendant and surface mounting
- Ideal for industrial, general and warehouse aisle applications
- Heavy duty construction complete with wire guard



Power Cage (Shown without cage)

POWER BAY SERIES

FEATURES/BENEFITS

- Operates 6 or 8 energy efficient 32 watt T8 lamps
- Standard with 95% Miro 4 reflector
- Concave lamp profile focuses light downward

APPLICATIONS

- Designed for suspended and pendant mounting
- Ideal for assembly and manufacturing lines
- Ideal for high mount or high light level applications



Power Bay

ELECTRONIC BALLASTS AND T8 LAMPS

OPERATE MULTIPLE LAMPS WITH ONE BALLAST

- Ballast operates 17W through 32W T8 lamps
- Replace up to 9 standard ballasts
- Efficiently designed to run at cooler ballast case temperatures

LOW MERCURY CONTENT FOR ALL T8 LAMPS

- TCLP compliant

INSTANT START ELECTRONIC BALLASTS

FEATURES/BENEFITS

- Significantly reduce inventory
- Operates at significantly reduced temperatures
- High quality components eliminate need for potting compound
- Available in High, Normal, Low and Ultra Low
- 10% THD or less – standard

APPLICATIONS

- New construction or retrofit
- Industrial, commercial, institutional and retail



Instant
Start Ballasts

PROGRAMMED RAPID START DIMMING BALLASTS

FEATURES/BENEFITS

- Dimming from 100% to 2% light output
- 0-10V Class 2 dimming control
- Designed to provide maximum lamp life
- Typical lamps starts exceed 100,000 on/off cycles

APPLICATIONS

- Perfect for multipurpose rooms, conference rooms and meeting halls
- Series 501 ballasts compatible with most 0-10V dimmers
- Series 502 ballasts used in conjunction with 2001 controller
- 502 ballasts and controller linked together with Class 2 telephone cable
- Simple RJ11 snap in connectors allows for fast installation



Dimming
System

T8 LINEAR FLUORESCENT LAMPS

FEATURES/BENEFITS

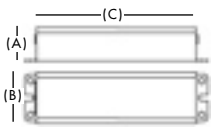
- TCLP Compliant – Low mercury content
- Available in 3000, 3500, 4100 and 5000 Kelvin
- Long lamp life – 24,000 hour rated
- Cathode Guard – Provides better lumen maintenance

APPLICATIONS

- Industrial manufacturing, warehousing and assembly
- Commercial, retail, educational, institutional and hospitality installations



T8 Lamps



Electronic and Dimming Ballasts

ArmRLux™

T8 Lamps

ITEM NUMBER	ITEM DESCRIPTION	*INPUT WATTS	HEIGHT (INCHES) (A)	DIAMETER/WIDTH (INCHES) (B)	BALLAST WARRANTY (YRS.)	VOLTAGE	LENGTH (C)	INPUT CURRENT AMPS	BALLAST FACTOR	# OF LAMPS	BALLAST EFFICACY FACTOR	THD	LAMP WATTS
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ELECTRONIC INSTANT START BALLASTS

E432IS32120N	For 4,3, or 2 F32 through F17 T8 lamps	107	1.45	2.44	5	120	8.27	0.9	0.88	4,3,2	0.81	<5%	17-32
E432IS32120L	For 4,3, or 2 F32 through F17 T8 lamps	95	1.45	2.44	5	120	8.27	0.76	0.75	4,3,2	0.82	<5%	17-32
E432IS32120U	For 4,3, or 2 F32 through F17 T8 lamps	84	1.45	2.44	5	120	8.27	0.72	0.72	4,3,2	0.82	<5%	17-32
E432IS32277N	For 4,3, or 2 F32 through F17 T8 lamps	108	1.45	2.44	5	277	8.27	0.39	0.88	4,3,2	0.81	<10%	17-32
E432IS32277L	For 4,3, or 2 F32 through F17 T8 lamps	92	1.45	2.44	5	277	8.27	0.33	0.75	4,3,2	0.83	<10%	17-32
E432IS32277U	For 4,3, or 2 F32 through F17 T8 lamps	85	1.45	2.44	5	277	8.27	0.31	0.72	4,3,2	0.83	<10%	17-32
*Operating 4 Lamps													
E32IS32120H	For 3 or 2 F32 through F17 T8 lamps	114	1.45	2.44	5	120	8.27	0.94	1.21	3,2	1.05	<10%	17-32
E32IS32277H	For 3 or 2 F32 through F17 T8 lamps	111	1.45	2.44	5	277	8.27	0.41	1.21	3,2	1.04	<10%	17-32
*Operating 3 Lamps													
E21IS32120N	For 2 or 1 F32 through F17 T8 lamps	56	1.45	2.44	5	120	8.27	0.48	0.88	2,1	1.51	<5%	17-32
E21IS32120L	For 2 or 1 F32 through F17 T8 lamps	48	1.45	2.44	5	120	8.27	0.39	0.75	2,1	1.57	<5%	17-32
E21IS32120U	For 2 or 1 F32 through F17 T8 lamps	45	1.45	2.44	5	120	8.27	0.38	0.7	2,1	1.53	<5%	17-32
E21IS32277N	For 2 or 1 F32 through F17 T8 lamps	54	1.45	2.44	5	277	8.27	0.2	0.88	2,1	1.56	<10%	17-32
E21IS32277L	For 2 or 1 F32 through F17 T8 lamps	47	1.45	2.44	5	277	8.27	0.17	0.75	2,1	1.56	<10%	17-32
E21IS32277U	For 2 or 1 F32 through F17 T8 lamps	45	1.45	2.44	5	277	8.27	0.17	0.7	2,1	1.52	<10%	17-32
*Operating 2 Lamps													

*Consult TCP technical specification sheets for performance data when operating various lamp combinations

ITEM NUMBER	ITEM DESCRIPTION	HEIGHT (INCHES)	DIAMETER/WIDTH (INCHES)	LAMP LIFE (HOURS)	LENGTH	BASE TYPE LED RETROFIT	LAMP WATTS	INITIAL LUMENS	MEAN LUMENS	CCT (KELVIN)	CRI
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T8 LAMPS

31032730	F32T8/730		1	24000	48	Med. Bi-Pin	32	2850	2710	3000	75
31032735	F32T8/735		1	24000	48	Med. Bi-Pin	32	2850	2710	3500	75
31032741	F32T8/741		1	24000	48	Med. Bi-Pin	32	2850	2710	4100	75
31032830	F25T8/830		1	24000	48	Med. Bi-Pin	32	2950	2800	3000	86
31032835	F32T8/835		1	24000	48	Med. Bi-Pin	32	2950	2800	3500	86
31032841	F32T8/841		1	24000	48	Med. Bi-Pin	32	2950	2800	4100	86
31032850	F32T8/850		1	24000	48	Med. Bi-Pin	32	2950	2800	5000	86
31032850HL	F32T8/850/HL		1	24000	48	Med. Bi-Pin	32	3100	2950	5000	86
31025730	F25T8/730		1	24000	36	Med. Bi-Pin	25	2125	1925	3000	75
31025735	F25T8/735		1	24000	36	Med. Bi-Pin	25	2125	1925	3500	75
31025741	F25T8/741		1	24000	36	Med. Bi-Pin	25	2125	1925	4100	75
31032830	F25T8/830		1	24000	36	Med. Bi-Pin	25	2225	2050	3000	86
31025835	F25T8/835		1	24000	36	Med. Bi-Pin	25	2225	2050	3500	86



T8 6" U-Bend Lamps

T8 1-5/8" U-Bend Lamps

Elite

ITEM NUMBER	ITEM DESCRIPTION	HEIGHT (INCHES)	DIAMETER/WIDTH (INCHES)	LAMP LIFE (HOURS)	LENGTH (INCHES)	BASE TYPE LED RETROFIT	LAMP WATTS	INITIAL LUMENS	MEAN LUMENS	CCT (KELVIN)	CRI
T8 LAMPS (CONTINUED)											
31025841	F25T8/841		1	24000	36	Med. Bi-Pin	25	2225	2050	4100	86
31025850	F25T8/850		1	24000	36	Med. Bi-Pin	25	2225	2050	5000	86
31017730	F17T8/730		1	24000	24	Med. Bi-Pin	17	1325	1200	3000	75
31017735	F17T8/735		1	24000	24	Med. Bi-Pin	17	1325	1200	3500	75
31017741	F17T8/741		1	24000	24	Med. Bi-Pin	17	1325	1200	4100	75
31017830	F17T8/830		1	24000	24	Med. Bi-Pin	17	1400	1275	3000	86
31017835	F17T8/835		1	24000	24	Med. Bi-Pin	17	1400	1275	3500	86
31017841	F17T8/841		1	24000	24	Med. Bi-Pin	17	1400	1275	4100	86
31017850	F17T8/850		1	24000	24	Med. Bi-Pin	17	1400	1275	5000	86

TCP's **ArmRLux** coating is available on all F32, F25 and F17 lamps. The **ArmRLux** extends the entire length of the lamp and is bonded to the metal end caps ensuring complete protection. If a lamp is dropped or broken, virtually all glass, phosphors and mercury are safely contained within the coating.

T8 U-BEND LAMPS											
31032730U6	FB32T8/730/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2750	2475	3000	75
31032735U6	FB32T8/735/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2750	2475	3500	75
31032741U6	FB32T8/741/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2750	2475	4100	75
31032750U6	FB32T8/750/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2750	2475	5000	75
31032830U6	FB32T8/830/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2900	2755	3000	85
31032835U6	FB32T8/835/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2900	2755	3500	85
31032841U6	FB32T8/841/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2900	2755	4100	85
31032850U6	FB32T8/850/6	6" leg	1	20000	22.5	Med. Bi-Pin	32	2900	2755	5000	85
31031830U1	FB31T8/830/1	1-5/8" leg	1	20000	22.5	Med. Bi-Pin	31	2775	2635	3000	85
31031835U1	FB31T8/835/1	1-5/8" leg	1	20000	22.5	Med. Bi-Pin	31	2775	2635	3500	85
31031841U1	FB31T8/841/1	1-5/8" leg	1	20000	22.5	Med. Bi-Pin	31	2775	2635	4100	85

ITEM NUMBER	ITEM DESCRIPTION	INPUT WATTS	HEIGHT (INCHES)	DIAMETER/WIDTH (INCHES)	BALLAST WARRANTY (YRS.)	VOLTAGE	FINISH	LENGTH (INCHES)	BALLAST FACTOR	# OF LAMPS	FIXTURE WARRANTY
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HIGH BAY FIXTURES

All TCP High Bay fixtures are available in High (H), Normal (N), Low (L) and Ultra Low (U) output with dedicated or universal voltage ballasts.

ELITE SERIES

F14ECEA632120H	Elite 6 lamp, Miro 4 reflector	228	3.625	16	5	120	WH	48	1.2	6	1
F14ECEA632277H	Elite 6 lamp, Miro 4 reflector	223	3.625	16	5	277	WH	48	1.2	6	1



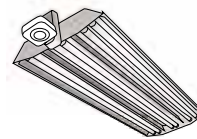
Power Strip



Power Cage



Power Bay



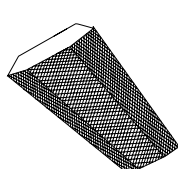
OS6/OS9

ITEM NUMBER	ITEM DESCRIPTION	INPUT WATTS	HEIGHT (INCHES)	DIAMETER/WIDTH (INCHES)	BALLAST WARRANTY (YRS.)	VOLTAGE	FINISH	LENGTH (INCHES)	BALLAST FACTOR	# OF LAMPS	FIXTURE WARRANTY
*POWER STRIP SERIES											
F14PSEA332120H	Power Strip 4ft. 3 lamp, Miro 4 reflector	114	3.25	12.625	5	120	WH	48	1.2	3	1
F14PSEA332277H	Power Strip 4ft. 3 lamp, Miro 4 reflector	111	3.25	12.625	5	277	WH	48	1.2	3	1
F18PSEA632120H	Power Strip 8ft. 6 lamp, Miro 4 reflector	228	3.25	12.625	5	120	WH	96	1.2	6	1
F18PSEA632277H	Power Strip 8ft. 6 lamp, Miro 4 reflector	223	3.25	12.625	5	277	WH	96	1.2	6	1
*POWER CAGE SERIES											
F14PCEA332120H	Power Cage 4ft. 3 lamp, Miro 4 reflector	114	4.5	10	5	120	WH	48	1.2	3	1
F14PCEA332277H	Power Cage 4ft. 3 lamp, Miro 4 reflector	111	4.5	10	5	277	WH	48	1.2	3	1
F14PCEA432120H	Power Cage 4ft. 4 lamp, Miro 4 reflector	155	4.5	10	5	120	WH	48	1.2	4	1
F14PCEA432277H	Power Cage 4ft. 4 lamp, Miro 4 reflector	156	4.5	10	5	277	WH	48	1.2	4	1
F18PCEA632120H	Power Cage 8ft. 6 lamp, Miro 4 reflector	228	4.5	10	5	120	WH	96	1.2	6	1
F18PCEA632277H	Power Cage 8ft. 6 lamp, Miro 4 reflector	223	4.5	10	5	277	WH	96	1.2	6	1
F18PCEA832120H	Power Cage 8ft. 8 lamp, Miro 4 reflector	305	4.5	10	5	120	WH	96	1.2	8	1
F18PCEA832277H	Power Cage 8ft. 8 lamp, Miro 4 reflector	301	4.5	10	5	277	WH	96	1.2	8	1
*POWER BAY SERIES											
F24PBEA832120H	Power Bay 8 lamp, Miro 4 reflector	305	6.75	23.5	5	120	WH	48	1.2	8	1
F24PBEA832277H	Power Bay 8 lamp, Miro 4 reflector	301	6.75	23.5	5	277	WH	48	1.2	8	1
*OCCUPANCY SENSORS											
OS6	Occupancy sensor w/ bracket, mounting hgt. 15' +								120-277	WH	
OS6P	Occupancy / Photocell Sensor w/ Bracket >15 FT								120-277	WH	
OS6LT	Occupancy Sensor w/ Bracket >15 FT High Humidity								120-277	WH	

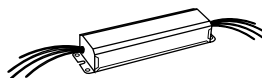
*Consult TCP technical specification sheets for more product selections.



Elite Wire Guard



Elite Lens



Emergency Ballast

ITEM NUMBER

ITEM DESCRIPTION

WIRE GUARD/LENS

FWG	Wire guard for Elite Fixture
ELITELENS	Elite series (only) acrylic lens

EMERGENCY BALLASTS

EB100	Emerg. Ballast 400 LMS 90 min.
EB70A	Emerg. Ballast 550 LMS 120 min.
EB90	Emerg. Ballast 550 LMS 90 min.
EB60	Emerg. Ballast 650 LMS 90 min.
EB50	Emerg. Ballast 1350 LMS 90 min.

POWER CORDS

A wide variety of power cord lengths and plug types are available including 120V, 277V straight blade, twist lock and whips. Contact TCP for a complete list of available items.

HANGING KITS

Complete adjustable cable, pendant mounting and cast hook hanging kits are available from TCP for a variety of hanging applications.

SPECIAL PACKAGING

TCP Elite Series fixtures can be supplied with lamps pre-installed for faster installation. Available in "job pack" (no single cartons) only.

ORDERING INFORMATION

Fixture Type / Size	Reflector	Uplight	# Lamps	Lamp Watts	Voltage	Ballast	Option Suffix	Description (Items are assembled to fixture)
F14EC - 1' x 4' Elite	EA - 95% Aluminum	U - Uplight	6	32	120	H - High	1P	120V, 15A, 6' Power cord w/ 5-15 straight blade plug
	WR - 92% White	Blank= no uplight	4		277	N - Normal	2P	120V, 15A, 8' Power cord w/ 5-15 straight blade plug
					347	L - Low	9P	120V, 15A, 20' Power cord w/ 5-15 straight blade plug
					480	U - Ultra Low	3P	120V, 15A, 8' Power cord w/ L5 twist lock plug
					Universal (120-277)		4P	120V, 20A, 10' Power cord w/ 5-20 straight blade plug
							5P	277V, 20A, 8' Power cord w/ 7-20 straight blade plug
							6P	277V, 10A, 5' Power cord w/ OCS plug
							7P	277V, 10A, 10' Power cord w/ OCS plug
							10P	277V, 20A, 15' Power cord w/ 7-20 straight blade plug
							8P	277V, 20A, 20' Power cord w/ 7-20 straight blade plug
							6T	277V, 15A, 6' Power cord w/ L7-15 twist lock plug
							10T	277V, 15A, 10' Power cord w/ L7-15 twist lock plug
							15T	277V, 15A, 15' Power cord w/ L7-15 twist lock plug
							6T2	277V, 20A, 6' Power cord w/ L7-20 twist lock plug
							10T2	277V, 20A, 10' Power cord w/ L7-20 twist lock plug
							20T2	277V, 20A, 20' Power cord w/ L7-20 twist lock plug

Sample Ordering Code

F14ECEA632120H2POS6WG

Elite Series

95% Miro 4 Reflector

of Lamps

Lamp Wattage

Ballast Voltage

High Ballast Factor

15' Power Cord

Occupancy Sensor

Wire Guard

Item Number	Description (Shipped as seperate items)
EZHANGER	15' Heavy duty adjustable cable hanging kit
12PENDANTKIT	Pendant mounting kit for 1/2" pendant
34PENDANTKIT	Pendant mounting kit for 3/4" pendant
LHKM	Cast Hook (only) Male
LHKIT	Single Point Mounting Kit (Cast hook, chanins, S-hooks)

6P	277V, 10A, 5' Power cord w/ OCS plug
7P	277V, 10A, 10' Power cord w/ OCS plug
10P	277V, 20A, 15' Power cord w/ 7-20 straight blade plug
8P	277V, 20A, 20' Power cord w/ 7-20 straight blade plug
6T	277V, 15A, 6' Power cord w/ L7-15 twist lock plug
10T	277V, 15A, 10' Power cord w/ L7-15 twist lock plug
15T	277V, 15A, 15' Power cord w/ L7-15 twist lock plug
6T2	277V, 20A, 6' Power cord w/ L7-20 twist lock plug
10T2	277V, 20A, 10' Power cord w/ L7-20 twist lock plug
20T2	277V, 20A, 20' Power cord w/ L7-20 twist lock plug
6C	120V/277V 6' Power cord only. No plug
10C	120V/277V 10' Power cord only. No plug
20C	120V/277V 20' Power cord only. No plug
6W	3 wire flexible metal fixture whip
L15	L7-15 twistlock plug only. 15amp
L20	L7-20 twistlock plug only. 20amp
12F	120V Exterior fuse
27F	277V Exterior fuse
OS6	Occupancy sensor w/ bracket, mounting hgt. 15' +
OS6P	Occupancy / Photocell Sensor w/ Bracket >15 FT
OS6LT	Occupancy Sensor w/ Bracket >15 FT High Humidity
OS9	Occupancy sensor w/ bracket, mounting hgt. <15'
OS9P	Occupancy / Photocell Sensor w/ Bracket <15 FT
OS9LT	Occupancy Sensor w/ Bracket <15 FT High Humidity
OSPC	Photo Cell Only w/ bracket
WG	Wire guard
EL	Elite series (only) polycarbonate lens
B1	Emerg. Ballast 400 LMS 90 min.
B7	Emerg. Ballast 550 LMS 120 min.
B9	Emerg. Ballast 550 LMS 90 min.
B6	Emerg. Ballast 650 LMS 90 min.
B5	Emerg. Ballast 1350 LMS 90 min.
730	Lamps installed in fixture - JOB / BULK PACK ONLY!
735	Lamps installed in fixture - JOB / BULK PACK ONLY!
741	Lamps installed in fixture - JOB / BULK PACK ONLY!
830	Lamps installed in fixture - JOB / BULK PACK ONLY!
835	Lamps installed in fixture - JOB / BULK PACK ONLY!
841	Lamps installed in fixture - JOB / BULK PACK ONLY!
850	Lamps installed in fixture - JOB / BULK PACK ONLY!

FLUORESCENT HIGH BAY INDUSTRIAL LIGHTING

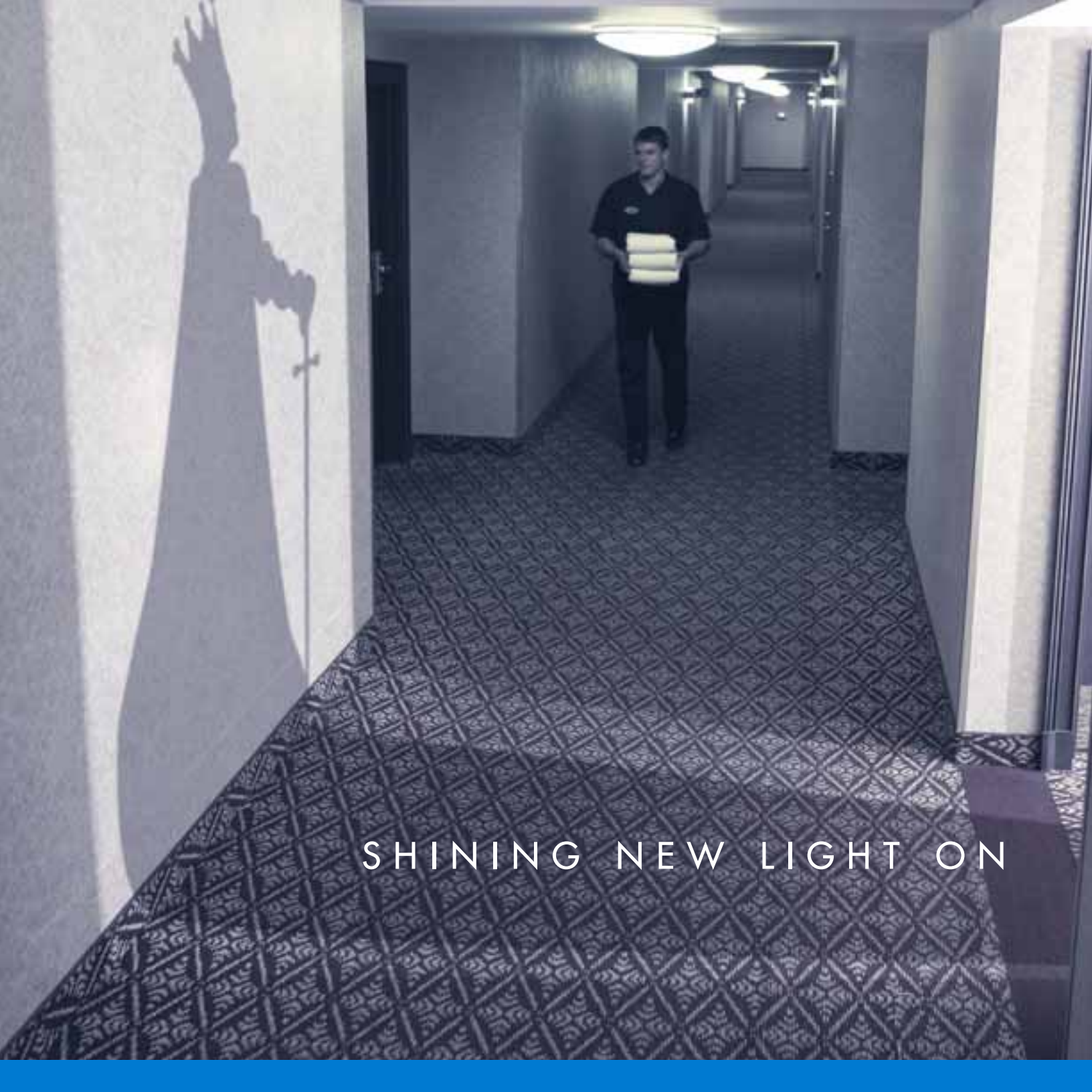
AN ENERGY SAVING ALTERNATIVE TO HID SYSTEMS

APPLICATIONS

- Warehouse, manufacturing, educational, assembly, commercial, institutional and other general purpose applications where high efficiency with consistent.
- Wherever highlight output and excellent color rendering may be required.

FEATURES & BENEFITS

- Superior light quality and maximum photometric efficiency.
- More control of your lighting with instant on and re-strike capability, use with occupancy sensors and photosensors.
- Operates energy efficient 32W T8 lamps.
- Improved uniform illumination.
- Designed for suspended, pendant and surface mounting.
- No tools required for lamp and ballast access.
- High lumen maintenance.



SHINING NEW LIGHT ON



FIXTURES

ENERGY EFFICIENT LIGHTING FIXTURES FOR EVERY APPLICATION

Using Energy Efficient Light sources, we have created a solution in a family of products for home or commercial applications. A better lamp and ballast combination leads to a better fixture!

Consult TCP technical specification sheets for more product selections.

CEILING FIXTURES: D E C O R A T I V E

- Non-Breakable Covers
- Long Lasting T6 Circline Lamps
- Replacement Ballasts – No Re-Wiring



11830PB



11930PB



11630PB



11730PB

CEILING FIXTURES: C L O U D S E R I E S

- Non-Breakable Covers
- Easy Installation



14340WH



14458WH

WALL SCONCES: D E S I G N E R

- All Plate Designs Available With 3 Different Glass Lenses - Alabaster, Melon, or Frosted



14913BSAB



14913CPMD



14913PBFD



14913TWAB



14913SDMD

CEILING FIXTURES: D E S I G N E R

- Alabaster Glass Dome
- Melon Glass Dome



142 Series



148 Series



141 Series

RECESSED DOWNLIGHTING

- Easy to Install, Energy Saving Hardwire
- Solution for Recessed Cans!

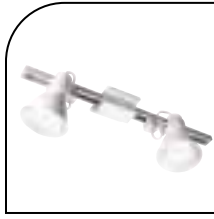


Close Up

TRACK LIGHTING

All Track Lights Kits Include:

- 2 Track Heads
- 2 Spring Lamps
- 2 Feet of Track
- Adjustable Position Power Feed
- Mounting Hardware and Instructions



INSTANT CEILING FIXTURE

- Instantly Converts your Open Socket into a Ceiling Fixture!



13930WH

UNDER CABINET LIGHT

- Great Solution for Task Lighting!



54226

VANITY LIGHTING

- Easy to Install



52226PB



52226WH

KEYLESS FIXTURES

- Perfect for Basements, Closets, Storage Areas, and Garages



15926KLG



17030KLD

TORCHIERE LAMPS

- Replaceable Ballast
- No Re-Wiring Needed
- Only Uses 65W at the Highest Setting
- 3-Way Lamps



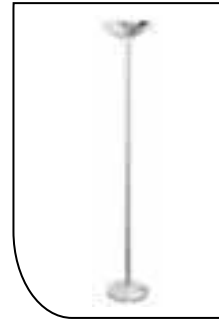
53065BK



53065WH



Close Up



53065BS



Close Up

TABLE LAMPS

- Replaceable Ballast
- No Re-Wiring Needed
- 3-Way Lamps



53432PB



53732BS



53632GG



53632BB



53632CC

FLOOR LAMPS

- Replaceable Ballast
- No Re-Wiring Needed
- 3-Way Lamps



53832BS



53932PB



Close Up

PAGODA FIXTURES

- Replaceable Ballast
- No Re-Wiring Needed



51018BPC



51018WPC

GLOBE FIXTURES

- Non-Breaking Covers
- Long Lasting SpringLamp Included
- Photocell — Automatically Turns Light On at Dusk and Off at Dawn



55815BPC



55815WPC

PORCH FIXTURES

- Non-Breaking Covers
- Long Lasting PL Lamp Included
- Photocell — Automatically Turns Light On at Dusk and Off at Dawn



56313BPC



56413WPC

WALL PACK FIXTURES

- Non-Breaking Covers
- Long Lasting SpringLamp Included
- Photocell — Automatically Turns Light On at Dusk and Off at Dawn



57032BKPC



57032WHPC

FLOODLIGHT FIXTURE

- Non-Breaking Covers
- Long Lasting SpringLamp Included
- Photocell — Automatically Turns Light On at Dusk and Off at Dawn



56532BRPC



117 Series



119 Series



142 Series



148 Series

ITEM NUMBER	ITEM DESCRIPTION	UNIT/BALLAST WATTS	LAMP WATTS	INCANDESCENT COMPARISON (WATTS)	INITIAL LUMENS	CCT (KELVIN)	ENERGY STAR	MOL/HEIGHT (INCHES)	DIAMETER (INCHES)	LAMP LIFE (HOURS)	BALLAST LIFE (HOURS)	VOLTAGE	LENS COLOR	DEPTH (INCHES)	# OF LAMPS OVERALL FINISH	REPLACEMENT LAMP	BASE TYPE	POWER FACTOR	REPLACEMENT BALLAST
CEILING FIXTURES - DECORATIVE																			
11730WH	14" Ring Base w/ Plastic Dome Cover	30	30	120	2000	31,35, 41,51	Y		14	10000	50000	120*	WH		1 WH	32030T6	G10q	NPF	17030Q
11730WHHP	14" Ring Base w/ Plastic Dome Cover	30	30	120	2000	31,35, 41,51			14	10000	50000	120*	WH		1 WH	32030T6	G10q	HPF	12530Q
11930PB	14" Step Base w/ Plastic Swirl Cover	30	30	120	2000	2850	Y		14	10000	50000	120*	WH		1 PB	32030	G10q	NPF	17030Q
CEILING FIXTURES - DESIGNER SERIES																			
14240BS	13" Designer Base w/ Alab Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	ALAB		1 BS	32040	G10q	NPF	17040Q
14240CP	13" Designer Base w/ Alab Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	ALAB		1 CP	32040	G10q	NPF	17040Q
14240PB	13" Designer Base w/ Alab Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	ALAB		1 PB	32040	G10q	NPF	17040Q
14240TW	13" Designer Base w/ Alab Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	ALAB		1 TW	32040	G10q	NPF	17040Q
14258BS	15" Designer Base w/ Alab Glass	58	58	225	3700	31,35, 41,51	Y		15	10000	50000	120	ALAB		1 BS	32058	G10q	NPF	17058Q
14258CP	15" Designer Base w/ Alab Glass	58	58	225	3700	31,35, 41,51	Y		15	10000	50000	120	ALAB		1 CP	32058	G10q	NPF	17058Q
14258PB	15" Designer Base w/ Alab Glass	58	58	225	3700	31,35, 41,51	Y		15	10000	50000	120	ALAB		1 PB	32058	G10q	NPF	17058Q
14258TW	15" Designer Base w/ Alab Glass	58	58	225	3700	31,35, 41,51	Y		15	10000	50000	120	ALAB		1 TW	32058	G10q	NPF	17058Q
14840BS	13" Designer Base w/ Melon Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	MEL		1 BS	32040	G10q	NPF	17040Q
14840CP	13" Designer Base w/ Melon Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	MEL		1 CP	32040	G10q	NPF	17040Q
14840PB	13" Designer Base w/ Melon Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	MEL		1 PB	32040	G10q	NPF	17040Q
14840TW	13" Designer Base w/ Melon Glass	40	40	150	2800	31,35, 41,51	Y		13	10000	50000	120	MEL		1 TW	32040	G10q	NPF	17040Q



139 Series



Torchiere



510 Series

ITEM NUMBER	ITEM DESCRIPTION	UNIT/BALLAST WATTS	LAMP WATTS	INCANDESCENT COMPARISON (WATTS)	INITIAL LUMENS	CCT (KELVIN)	ENERGY STAR	MOI/HEIGHT (INCHES)	DIAMETER (INCHES)	LAMP LIFE (HOURS)	BALLAST LIFE (HOURS)	VOLTAGE	LENS COLOR	DEPTH (INCHES)	# OF LAMPS	OVERALL FINISH	REPLACEMENT LAMP	BASE TYPE	POWER FACTOR	REPLACEMENT BALLAST
INSTANT CEILING FIXTURES																				
13920WH	Instant ceiling fixture WH 10" WH mushroom cover medium base.	20	20	75	1200	2850	Y		10	10000	50000	120	WH		1	WH	32020	G10q	NPF	17022Q
13930WH	Instant ceiling fixture WH 10" WH mushroom cover medium base.	30	30	120	2000	2850	Y		10	10000	50000	120*	WH		1	WH	32030	G10q	NPF	17030Q
PORTABLE FIXTURES - TORCHIERE LAMPS																				
53065BK	3-Way Torchiere Lamp	65	30 36 65	100 130 200	4000	27, 31, 35, 41, 51, 65	Y	72	13	10000	50000	120			2	BLK	32027 32032	G10q	NPF	16565Q
53065BS	3-Way Torchiere Lamp	65	30 36 65	100 130 200	4000	27, 31, 35, 41, 51, 65	Y	72	13	10000	50000	120			2	BS	32027 32032	G10q	NPF	16565Q
53065WH	3-Way Torchiere Lamp	65	30 36 65	100 130 200	4000	27, 31, 35, 41, 51, 65	Y	72	13	10000	50000	120			2	WH	32027 32032	G10q	NPF	16565Q
OUTDOOR PAGODA FIXTURES																				
51018BPC	Outdoor Pagoda Fixture w/ Photocell	18	18	75	1150	27, 35, 41, 51	Y	8.75	6	10000	50000	120	WH	7	1	BLK	33018	GX24	NPF	15518Q
51018WPC	Outdoor Pagoda Fixture w/ Photocell	18	18	75	1150	27, 35, 41, 51	Y	8.75	6	10000	50000	120	WH	7	1	TW	33018	GX24	NPF	15518Q

*277 available - please specify

ABBREVIATION KEY

PB - Polished Brass	FRST - Frosted
BS - Brushed Steel	CL - Clear
TW - Textured White	BB - Burgandy
CP - Copper Patina	CRM - Cream
SND - Sandstone	GRN - Green
WH - Smooth White	BLK - Black
AB - Antique Brass	PRZ - Prismatic
ALAB - Alabaster	BRN - Brown
MEL - Melon	BRNZ - Bronze

What happens when the Art Club and the Science Club spend the day together?



SHINING NEW LIGHT ON



EXIT

THE COMPLETE EXIT & EMERGENCY LIGHTING RESOURCE

LONG-LIFE LED'S

- Illuminate your application up to 25 years

DUAL VOLTAGE OPERATION

- All models operate at 120 or 277 VAC

MODELS FOR ALL INSTALLATIONS

- ETL & UL rated for damp locations

POLYCARBONATE EXIT SIGNS

FEATURES/BENEFITS

- All units damp location listed, UL and ETL Listed
- UL94 V-0 Injection molded construction
- Dual exit plates are a standard feature
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation
- LED Lamp life of 25 years
- Comes with a mounting canopy for ceiling or wall mount applications

APPLICATIONS

- Industrial and commercial facilities



POLYCARBONATE EMERGENCY LIGHTING

FEATURES/BENEFITS

- All units damp location listed, UL and ETL Listed
- UL94 V-0 Injection molded construction
- 6V maintenance free battery provides 90 minutes of run time
- 120 or 277 VAC operation
- 20765 unit has capability for remote heads
- Features two 5.4W halogen lamps or MR16 lamps

APPLICATIONS

- Industrial and commercial facilities



POLYCARBONATE COMBINATION UNITS

MORE VALUE COMES STANDARD

- All Combo Units come with extra battery to run remote lighting heads

MULTIPLE INSTALLATION OPTIONS

- Mounting canopy for back or top-mounting included with each unit

POLYCARBONATE COMBINATION UNITS

FEATURES/BENEFITS

- All units damp location listed
- UL and ETL Listed
- UL94 V-0 Injection molded construction
- Dual exit face plates a standard feature
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation
- All combos come with an extra battery as a standard feature and can run up to 12W of remote heads
- LED lamp life of 25 years
- Comes with a mounting canopy for ceiling or wall mount applications

APPLICATIONS

- Industrial and commercial facilities



LED RETROFITS

FEATURES/BENEFITS

- Consumes 1.2 watts per lamp, very energy efficient!
- Made to UL 924 specifications
- Kits come with up to 4 adapters for universal use
- High efficiency LED's available for crisp even illumination
- Screw-in LED replacement lamps suitable for 120V use only
- Hardwire kits red 20716 and green 20718 available for 120V or 277 volt usage

APPLICATIONS

- Use in place of fluorescent and incandescent lamps inside exit signs



WET LOCATION AND HEAVY DUTY EXIT AND EMERGENCY LIGHTING

USE IN RUGGED ENVIRONMENTS

- All units damp location listed

NEMA 4 RATED

- ABS corrosion resistant enclosure

HEAVY DUTY EMERGENCY LIGHTING

FEATURES/BENEFITS

- All units damp location listed
- Environmentally coated solid state charger
- Automatic low voltage disconnect
- Compact low profile design in an attractive off-white finish
- 6-Volt premium grade maintenance free battery with remote capability
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

APPLICATIONS

- Rugged environments, factories, schools



WET LOCATION EXIT AND EMERGENCY LIGHTING

FEATURES/BENEFITS

- Units are NEMA 4 rated
- Temperature range 0°C to 40°C
- ABS corrosion resistant UV stabilized enclosure
- Meets NFPA Life Safety 101, NEC, OSHA, Local and State Codes
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

APPLICATIONS

- Rugged environments, factories, schools



HEAVY DUTY STEEL EXIT AND EMERGENCY UNITS

BUILT TO LAST IN RUGGED ENVIRONMENTS

- Heavy-gauge steel housing

VALUABLE FEATURES

- Dual exit plates come standard

STEEL EXIT SIGNS

FEATURES/BENEFITS

- UL and ETL Listed
- Housing constructed of die formed, heavy gauge steel
- Dual exit plates a standard feature
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation
- High output LED's provide even illumination
- LED Lamp life of 25 years
- Comes with a mounting canopy for ceiling or wall mount applications

APPLICATIONS

- Industrial facilities, factories, rugged environments



STEEL EMERGENCY LIGHTING

FEATURES/BENEFITS

- UL and ETL Listed
- Housing constructed of die formed, heavy gauge steel
- 6V maintenance free battery provides 90 minutes of run time
- 120 or 277 VAC operation
- Allows for 18 – 36 watts of extra capacity
- Emergency units furnished with adjustable high intensity 9W 12V PAR 36 heads
- Solid state charger with automatic brown out protection, low voltage disconnect, momentary test switch, and standard charge indicator lights all standard features

APPLICATIONS

- Rugged environments, factories, pools, outdoor walkways



STEEL COMBINATION UNITS

FEATURES/BENEFITS

- UL and ETL Listed
- Mounting canopies supplied for all units
- Constructed of die formed heavy duty gauge steel
- Battery back-up available in all combos and exits, provides 90 minutes of power
- LED lamp life of 25 years
- Comes with a mounting canopy for ceiling or wall mount applications

APPLICATIONS

- Rugged environments, factories, pools, outdoor walkways



SPECIFICATION GRADE EXIT SIGNS

MANY STYLES AND FINISHES AVAILABLE

- Models fit stylish construction applications

HIGH DESIGN PLUS FUNCTION

- Die cast, edge-lit, and recessed edge-lit signs for all your specifications needs!

SPECIFICATION GRADE EXIT SIGNS

DIE CAST EXIT SIGNS

FEATURES/BENEFITS

- Specification grade design
- Available in white and brushed aluminum finishes, single or double face
- Universal knock out chevrons included
- Quick clip snap closure for front faceplate
- Universal mounting canopy included for easy installation
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

APPLICATIONS

- Indoor locations
- Architectural grade buildings, churches



EDGE-LIT EXIT SIGNS

FEATURES/BENEFITS

- UL and ETL listed
- Specification grade design
- 70 SKU's available for all your lighting needs
- Chevrons are included for easy installation in the field
- Surface mounted units can be installed top, back, or end mounted
- High efficiency panels with energy consumption of less than 3W for AC only and less than 5W for battery back-up units
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

APPLICATIONS

- Rugged environments, factories, pools, outdoor walkways



SELF LUMINOUS TRITIUM SIGNS

NO WIRING NECESSARY!

- Ideal in gymnasiums, movie theaters and military installations

LONG-LASTING!

- Available in 10, 15 and 20-year life

SPECIFICATION GRADE EXIT SIGNS

SELF LUMINOUS TRITIUM EXIT SIGNS

FEATURES/BENEFITS

- 10, 15 or 20 year life
- No wiring necessary
- UL and ETL Listed
- Universal mounting for ceiling or wall canopy supplied
- Housing is high-impact weatherproof ABS thermoplastic with UV stabilized clear polycarbonate diffuser panel

APPLICATIONS

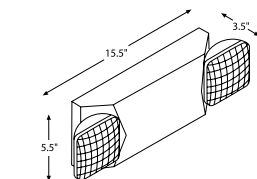
- Movie theaters, military applications
- Buildings with concrete walls including hotels and gymnasiums
- Locations with limited wiring capacity



ACCESSORIES

- Wire guards and polycarbonate shield are made of durable materials and are a vandalism deterrent for the emergency and exit line. Compatible with all TCP units.
- Wire guards available in white and silver finishes.
- Replacement batteries, canopies and faceplates available for all exit and emergency line units





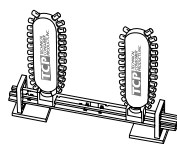
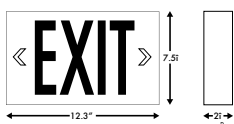
Polycarbonate LED Exit Signs

Emergency Light Square Heads

Emergency/Exit Combination Signs

EXIT AND EMERGENCY

ITEM NUMBER	ITEM DESCRIPTION	LED WATTS	HEIGHT (INCHES)	WIDTH (INCHES)	DEPTH (INCHES)	LED LAMP LIFE (YRS.)	BATTERY RUNTIME (MIN)	VOLTAGE	LED EXIT COLOR	AC/BBU	S/D FACE	CERTIFICATIONS	HOUSING COLOR	RATING	TEMPERATURE RANGE	# OF LAMPS	REPLACEMENT LAMP	EXIT PLATE COLOR
POLYCARBONATE LED EXIT SIGNS																		
20742D	Red LED Exit Sign Universal AC Only WH Housing	4	8.5	12.25	1.75	25	120 or 277	Red	AC Only	Double	UL, 924, NFPA LIFE Safety Code 101, ETL Listed	WH	Damp Location	-4°F to 113°F				
20743D	Red LED Exit Sign Universal Battery Backup WH Housing	4	8.5	12.25	1.75	25	90	120 or 277	Red	Battery Back-up	Double	UL, 924, NFPA LIFE Safety Code 101, ETL Listed	WH	Damp Location	-4°F to 113°F			
20744D	Green LED Exit Sign Universal AC Only WH Housing	2	8.5	12.25	1.75	25	120 or 277	Green	AC Only	Double	UL, 924, NFPA LIFE Safety Code 101, ETL Listed	WH	Damp Location	-4°F to 113°F				
20745D	Green LED Exit Sign Universal Battery Backup WH Housing	2	8.5	12.25	1.75	25	90	120 or 277	Green	Battery Back-up	Double	UL, 924, NFPA LIFE Safety Code 101, ETL Listed	WH	Damp Location	-4°F to 113°F			
20743DRM	Red LED Exit Sign Universal Battery Backup WH Housing Remote Capable	4	10	13	2.75	10+	90	120 or 277	Red	Battery Back-up	Double	UL, 924, NFPA LIFE Safety Code 101, ETL Listed	WH	Damp Location	-4°F to 113°F			
20745DRM	Green LED Exit Sign Universal Battery Backup WH Housing Remote Capable	2	10	13	2.75	10+	90	120 or 277	Green	Battery Back-up	Double	UL, 924, NFPA LIFE Safety Code 101, ETL Listed	WH	Damp Location	-4°F to 113°F			
POLYCARBONATE EMERGENCY LIGHTS																		
20760	Emergency Light 2 x 5.4W Square Heads, WH Finish		5	16	3.5		90	120 or 277		Battery Back-up		UL/ETL Listed	WH	Damp Location	20° to 95°F	2	6V 5.4W 939	
20761	Emergency Light 2 x 5W MR16 Round Heads WH Finish		5	16	3.5		90	120 or 277		Battery Back-up		UL/ETL Listed	WH	Damp Location	20° to 95°F	2	6V 5W MR16 38°	
20762	Emergency Light 2 x 5.4W Square Heads, BLK Finish		5	16	3.5		90	120 or 277		Battery Back-up		UL/ETL Listed	BLK	Damp Location	20° to 95°F	2	6V 5.4W 939	
20763	Emergency Light 2 5W MR16 Round Heads BLK Finish		5	16	3.5		90	120 or 277		Battery Back-up		UL/ETL Listed	BLK	Damp Location	20° to 95°F	2	6V 5W MR16 38°	
20765	Emergency Light 2 x 5.4W Square Heads, WH Finish with Remote Capability		5	16	3.5		90	120 or 277		Battery Back-up		UL/ETL Listed	WH	Damp Location	20° to 95°F	2	6V 5.4W 939	
POLYCARBONATE EMERGENCY / EXIT COMBINATION SIGNS																		
20784	2 Headed Adjustable Exit/Emergency Combo Red Letters with WH Housing	4	11	23.5	4.5	25	90	120 or 277	Red	Battery Back-up	Double	UL/ETL Listed	WH	Damp Location	5° to 104°F	2	6V 5.4W 939	
20785	2 Headed Adjustable Exit/Emergency Combo GRN Letters, WH Housing	2	11	23.5	4.5	25	90	120 or 277	GRN	Battery Back-up	Double	UL/ETL Listed	WH	Damp Location	5° to 104°F	2	6V 5.4W 939	



Steel LED Exit Sign

Red LED Retrofit Kit 20715

LED Hardwire Retrofit Kit

ITEM NUMBER	ITEM DESCRIPTION	LED WATTS	HEIGHT (INCHES)	WIDTH (INCHES)	DEPTH (INCHES)	LED LAMP LIFE (YRS.)	BATTERY RUNTIME (MIN)	VOLTAGE	LED EXIT COLOR	AC/BBU	S/D FACE	CERTIFICATIONS	HOUSING COLOR	RATING	TEMPERATURE RANGE	# OF LAMPS	REPLACEMENT LAMP	EXIT PLATE COLOR
STEEL LED EXIT SIGNS																		
27D98	Steel Red Universal AC Only Exit Sign	3	7.63	12.1	2.3	25		120 or 277	Red	AC Only	Double	UL/ETL Listed	WH	Damp Location	-4° to 113°F			
27D99	Steel Green Universal AC Only Exit Sign	3	7.63	12.1	2.3	25		120 or 277	Green	AC Only	Double	UL/ETL Listed	WH	Damp Location	-4° to 113°F			
27L98	Steel Red Universal Battery Backup Exit Sign	5	7.63	12.1	2.3	25		120 or 277	Red	Battery Back-up	Double	UL/ETL Listed	WH	Damp Location	-4° to 113°F			
27L99	Steel Green Universal Battery Backup Exit Sign	5	7.63	12.1	2.3	25		120 or 277	Green	Battery Back-up	Double	UL/ETL Listed	WH	Damp Location	-4° to 113°F			

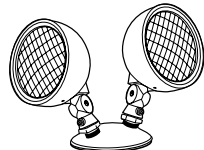
LED RETROFIT

ITEM NUMBER	ITEM DESCRIPTION	LED LAMP WATTS	HEIGHT (INCHES)	WIDTH (INCHES)	LED LAMP LIFE (YRS.)	VOLTAGE	LED COLOR	DEPTH (INCHES)	CERTIFICATIONS	HOUSING COLOR	NUMBER OF LAMPS	LED RETROFIT KIT BASE TYPE
20714	Two Red LED Exit Retrofit Lamps With 4 Base Adapters	1.5	4.75	1.25	10+	120	Red	1.25	UL, cUL, UL924	WH	2	Candelabra
20715	Two Red LED Exit Retrofit Lamps With 4 Base Adapters 120 Use Only	1.5	4.75	1.25	10+	120	Red	1.25	ETL Listed, UL 924	WH	2	Candelabra
20716	Red LED Exit Retrofit Kit Hardwire 120/277	1.2	4.75	1.65	10+	120 or 277	Red	0.6	ETL Listed, UL 924	WH	2	Candelabra
20717	Two Green LED Exit Retrofit Lamps With 4 Base Adapters 120 Use Only	1.2	5.6	6.9	10+	120	Green	1	ETL Listed, UL 924	WH	2	Candelabra
20718	Green LED Exit Retrofit Kit Hardwire 120/277	1.2	4.75	1.65	25	120 or 277	Green	0.6	ETL Listed, UL 924	WH	2	Candelabra

* Note - Exit Signs 20742D, 20743D, 20744D, 20745D are ENERGY STAR Rated



Want bright ideas?
Turn the page in either direction.



Wire Guard 207WGW

207R4

EXIT ACCESSORIES

ITEM NUMBER	ITEM DESCRIPTION	HEIGHT (INCHES)	WIDTH (INCHES)	DEPTH (INCHES)	RATING	FINISH	# OF LAMPS	REPLACEMENT LAMP
207R1	Single WH Remote Head 6W 6V	7.75	5	5	Damp Location	White	1	6W 6V
207R2	Double WH Remote Head 6W 6V	6	13	5	Damp Location	White	2	6W 6V
207R3	Single Grey Remote Waterproof Head 5.4W 6V	8	4.8	4.5	Waterproof	Grey	1	6V 5.4W 939
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V	8	10	4.5	Waterproof	Grey	2	6V 5.4W 939
207RT	Hand Held Remote Test Unit	6	1.5	0.65	Damp Location	White		
207WG	Wire Guard for Exit Sign	13.5	15	6	Damp Location	Silver		
207WGW	WH Wire Guard for Exit Sign	12	14.25	3.25	Damp Location	White		
207LWG	Large Wire Guard for Combo Units	13.5	30	6	Damp Location	Silver		
207PS	Polycarbonate Shield for Exit Sign	15	22	8	Damp Location	Clear		
20726	Exit Sign Battery Replacement GP2800 - RD - 20783D	4	0.60 dia		Damp Location	Blue		
20736	Exit Sign Battery Replacement GP3800 - GR - 20785D	8	0.60 dia		Damp Location	Blue		
20730	Exit Sign Battery Replacement 4.8V 650mAh Edgelite Series - 2074 Series	4	1.1	0.6	Damp Location	Yellow		
20731	Replacement Battery Ni-Cd 4.8V 700 mAh Die Cast Series	1.15	1.95	1.15	Damp Location	Yellow		
20732	Replacement Battery Ni-Cd 4.8V 1000 mAh Wet Location Signs	1.7	2.6	0.6	Damp Location	Black		
20733	Replacement Battery YT-4500D 6.0V Wet Location Emergency	2.3	6.5	1.3	Damp Location	Black		
20734	Replacement Battery for 20761 & 20763 series 6V 5Ah	4	2.75	1.85	Damp Location	Black		
20735	Replacement Battery for 20765 6V 7Ah	3.7	6	1.25	Damp Location	Black		
20737	Replacement Battery for 2077 Series 50W 6V 4.5Ah	4	2.75	1.8	Damp Location	Black		
20738	Replacement Battery for 2077 Series 100W 6V 10Ah	3.75	5.9	2	Damp Location	Black		

TRITIUM EXIT

ITEM NUMBER	ITEM DESCRIPTION	HEIGHT (INCHES)	WIDTH (INCHES)	DEPTH (INCHES)	S/D FACE	CERTIFICATIONS	HOUSING COLOR	RATING	TEMPERATURE RANGE	EXIT LIFE (YEARS)	TRITIUM EXIT COLOR	ENERGY SOURCE
SELF LUMINOUS EXIT SIGNS - 10 YEARS												
29R90	Self Luminous 10 Yr. Single Face Red w/White Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	10	Red	Self-Luminous
29R91	Self Luminous 10 Yr. Single Face Green w/White Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	10	Green	Self-Luminous
29R93	Self Luminous 10 Yr. Double Face Red w/White Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	10	Red	Self-Luminous
29R94	Self Luminous 10 Yr. Double Face Green w/White Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	10	Green	Self-Luminous
29R80	Self Luminous 10 Yr. Single Face Red w/Black Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	10	Red	Self-Luminous



Self Luminous Exit Sign

TRITIUM EXIT

ITEM NUMBER	ITEM DESCRIPTION	HEIGHT (INCHES)	WIDTH (INCHES)	DEPTH (INCHES)	S/D FACE	CERTIFICATIONS	HOUSING COLOR	RATING	TEMPERATURE RANGE	EXIT LIFE (YEARS)	TRITIUM EXIT COLOR	ENERGY SOURCE
SELF LUMINOUS EXIT SIGNS - 10 YEARS (CONTINUED)												
29R81	Self Luminous 10 Yr. Single Face Green w/Black Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	10	Green	Self-Luminous
29R83	Self Luminous 10 Yr. Double Face Red w/Black Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	10	Red	Self-Luminous
29R84	Self Luminous 10 Yr. Double Face Green w/Black Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	10	Green	Self-Luminous
SELF LUMINOUS EXIT SIGNS - 15 YEARS												
29S90	Self Luminous 15 Yr. Single Face Red w/White Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	15	Red	Self-Luminous
29S91	Self Luminous 15 Yr. Single Face Green w/White Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	15	Green	Self-Luminous
29S93	Self Luminous 15 Yr. Double Face Red w/White Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	15	Red	Self-Luminous
29S94	Self Luminous 15 Yr. Double Face Green w/White Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	15	Green	Self-Luminous
29S80	Self Luminous 15 Yr. Single Face Red w/Black Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	15	Red	Self-Luminous
29S81	Self Luminous 15 Yr. Single Face Green w/Black Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	15	Green	Self-Luminous
29S83	Self Luminous 15 Yr. Double Face Red w/Black Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	15	Red	Self-Luminous
29S84	Self Luminous 15 Yr. Double Face Green w/Black Housing	8.25	12.75	1	Double	UL/ETL Listed UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	15	Green	Self-Luminous
SELF LUMINOUS EXIT SIGNS - 20 YEARS												
29T90	Self Luminous 20 Yr. Single Face Red w/White Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	20	Red	Self-Luminous
29T91	Self Luminous 20 Yr. Single Face Green w/White Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	20	Green	Self-Luminous
29T93	Self Luminous 20 Yr. Double Face Red w/White Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	20	Red	Self-Luminous
29T94	Self Luminous 20 Yr. Double Face Green w/White Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	WH	Damp Location	-76° to 212°F	20	Green	Self-Luminous
29T80	Self Luminous 20 Yr. Single Face Red w/Black Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	20	Red	Self-Luminous
29T81	Self Luminous 20 Yr. Single Face Green w/Black Housing	8.25	12.75	1	Single	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	20	Green	Self-Luminous
29T83	Self Luminous 20 Yr. Double Face Red w/Black Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	20	Red	Self-Luminous
29T84	Self Luminous 20 Yr. Double Face Green w/Black Housing	8.25	12.75	1	Double	UL924, NFPA Life Safety Code 101	BLK	Damp Location	-76° to 212°F	20	Green	Self-Luminous

A photograph of a hallway with a light-colored wooden floor and yellow walls. The hallway leads to a brightly lit room in the background where two people are standing near a bar or counter. A large, dark shadow of a person is cast on the floor in the foreground. The text "SHINING NEW LIGHT ON" is overlaid in the center of the image.

SHINING NEW LIGHT ON



SPECIALTY

COLD CATHODE

INNOVATIVE PRODUCT FAMILY FITS ALL YOUR APPLICATIONS

- A-lamp, torpedo, flame tip, flood and globe shapes offer many options

LONG LIFE LAMPS LAST 25,000 HOURS

- Excellent for rapid cycling applications

Supporting our Corporate mission to bring energy saving solutions to the market, Technical Consumer Products has developed a wide range of cold cathode lighting products. Available in 2W, 3W and 5W sizes, these bulbs come in many configurations including A-lamp, globes, R20's, torpedo and flame tipped bulbs. Finishes include Clear, White, Frost, LV and colors. Lamps are UL listed and are an excellent low and mid wattage incandescent replacement.

COLD CATHODE

FEATURES/BENEFITS

- Long life; 25,000 hours
- Cold cathode lamp excellent for rapid cycling and dimming applications
- Unique soft strike low volt starting method extends bulb life by 25%
- Special phosphor coating procedure provides excellent color consistency
- Color coating is resistant to fading and the effects of UV
- Replaces 15W to 30W incandescent lamps, saving up to 25 watts/bulb
- UL Listed, product suitable for indoor or outdoor use

APPLICATIONS

- Recessed cans, down lights, decorative and porte-cochères
- Chandeliers, accent lighting, sanctuaries, theatres, amusement parks, soffits and rooflines
- Frequent start applications such as signs requiring rapid flashing

A15 & A19



R20



Torpedo



G20



G25

Flame Tip



LED

LONGEST-LASTING LIGHTING SOLUTION

- Features 25,000 — 50,000 hour lamp life

IDEAL FOR SPECIALIZED USES

- For use anywhere rapid-flashing is required

Technical Consumer Products has developed a unique offering of energy saving LED lamps. High efficiency LED's are used in the manufacture of many traditional lamp configurations, replacing incandescent technology while saving energy at the same time. All TCP LED lamps have a long life and are rated from 25,000 to 50,000 hours. Lamps have many applications including indicator lights, Festive™ decorative globe lights, navigation lights, accent lighting, signage, porte-cochères and specialty applications.

LED LIGHTING

FEATURES/BENEFITS

- Long life; 25,000 — 50,000 hours
- LED lamps are excellent for rapid cycling and vibration applications
- Color coating is resistant to fading and the effects of UV
- UL Listed, product suitable for indoor or outdoor use

APPLICATIONS

- Recessed cans, down lights, decorative and accent lighting
- Signal and navigation lights, miniature applications
- Frequent start applications such as signs requiring rapid flashing

LT6

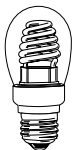


LG16, LG25 and LG40



LT20





8A03



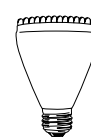
8A05



8T03



8G2505



LR20

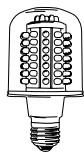
ITEM NUMBER	ITEM DESCRIPTION	LAMP WATTS	INCANDESCENT COMPARISON (WATTS)	INITIAL LUMENS	CCT (KELVIN)	CRI	MOL (INCHES)	DIAMETER (INCHES)	LAMP LIFE (HOURS)	VOLTAGE	LAMP FINISH	BASE TYPE
3 WATT A15 COLD CATHODE												
8A03CL	3 Watt Cold Cathode A-Lamp Clear	3	15-20	120	2700	80	3.6	1.7	25000	120	Clear	E26
8A03F	3 Watt Cold Cathode A-Lamp Frost	3	15-20	120	2700	80	3.6	1.7	25000	120	Frost	E26
8A03LV	3 Watt Cold Cathode A-Lamp LV	3	15-20	115	2400	80	3.6	1.7	25000	120	LV	E26
5 WATT A19 COLD CATHODE												
8A05CL	5 Watt Cold Cathode A-Lamp Clear	5	25-30	200	2700	80	4.0	2.0	25000	120	Clear	E26
8A05F	5 Watt Cold Cathode A-Lamp Frost	5	25-30	200	2700	80	4.0	2.0	25000	120	Frost	E26
3 WATT TORPEDO COLD CATHODE												
8T03CL	3 Watt Cold Cathode Torpedo Clear	3	15-20	120	2700	80	4.0	1.4	25000	120	Clear	E26
8TC03CL	3 Watt Cold Cathode Torpedo Clear	3	15-20	120	2700	80	4.0	1.4	25000	120	Clear	Candelabra
3 WATT FLAME TIP COLD CATHODE												
8TFC03CL	3 Watt Cold Cathode Flame Tip Clear	3	15-20	120	2700	80	4.3	1.4	25000	120	Clear	Candelabra
G25 GLOBE COLD CATHODE												
8G2505CL	5 Watt Cold Cathode G25 Globe Clear	5	25-30	200	2700	80	4.6	3.1	25000	120	Clear	E26
8G25C05CL	5 Watt Cold Cathode G25 Globe Clear	5	25-30	200	2700	80	4.6	3.1	25000	120	Clear	Candelabra
R20 REFLECTOR COLD CATHODE												
8R2005F	5 Watt Cold Cathode R20 Reflector Frost	5	25-30	200	2700	80	4.0	2.5	25000	120	Frost	E26

Notes: Bulk packs also available in 100/carton.
For 2 Watt or other color temperatures,
contact factory for special order options.

Frost = Transparent White 2700K
LV = Warm White 2400K
Clear = Clear Glass 2700K

All lamps are available in the candelabra base.

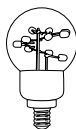
Vegas.
Several thousand of our brightest luminaries live there.



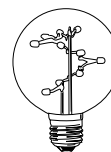
LT20



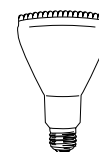
LG16



LG16C

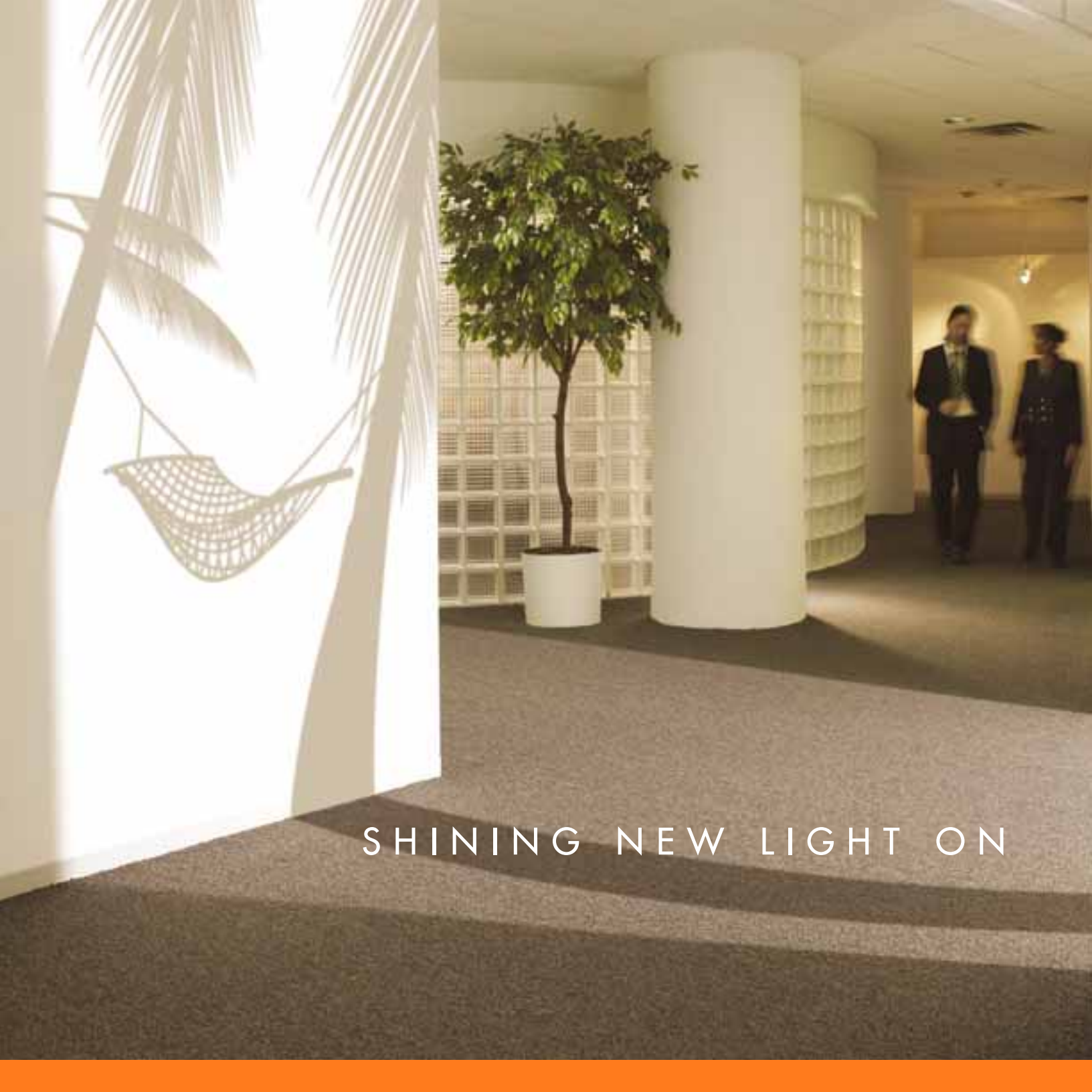


LG25



LR30

ITEM NUMBER	ITEM DESCRIPTION	LAMP WATTS	MOL (INCHES)	DIAMETER (INCHES)	LAMP LIFE (HOURS)	VOLTAGE	BASE TYPE	COLOR	INTENSITY (MCD)
LT20 LED INDICATOR LAMPS									
LT20AMB	LED T20 Indicator Light Amber	5	4.8	2.5	50000	120	E26	Amber	800
LT20BL	LED T20 Indicator Light Blue	5	4.8	2.5	50000	120	E26	Blue	1000
LT20GR	LED T20 Indicator Light Green	5	4.8	2.5	50000	120	E26	Green	3000
LT20RD	LED T20 Indicator Light Red	5	4.8	2.5	50000	120	E26	Red	2500
LT20WH	LED T20 Indicator Light White	5	4.8	2.5	50000	120	E26	White	2500
LG16 LED FESTIVE™ LAMPS - 120VOLT									
LG16120VAMB	LED G16 120V Festive™ Light Amber	1	3.0	2.0	50000	120	E26	Amber	800
LG16120VBL	LED G16 120V Festive™ Light Blue	1	3.0	2.0	50000	120	E26	Blue	1000
LG16120VGR	LED G16 120V Festive™ Light Green	1	3.0	2.0	50000	120	E26	Green	3000
LG16120VRD	LED G16 120V Festive™ Light Red	1	3.0	2.0	50000	120	E26	Red	2500
LG16120VWH	LED G16 120V Festive™ Light White	1	3.0	2.0	50000	120	E26	White	2500
LG16 LED FESTIVE™ CANDELABRA BASED LAMPS - 120VOLT									
LG16C120VAMB	LED G16 Candelabra 120V Festive™ Light Amber	1	3.0	2.0	50000	120	E12	Amber	800
LG16C120VBL	LED G16 Candelabra 120V Festive™ Light Blue	1	3.0	2.0	50000	120	E12	Blue	1000
LG16C120VGR	LED G16 Candelabra 120V Festive™ Light Green	1	3.0	2.0	50000	120	E12	Green	3000
LG16C120VRD	LED G16 Candelabra 120V Festive™ Light Red	1	3.0	2.0	50000	120	E12	Red	2500
LG16C120VWH	LED G16 Candelabra 120V Festive™ Light White	1	3.0	2.0	50000	120	E12	White	2500
LG25 LED FESTIVE™ LAMP-120VOLT									
LG25120VWH	LED G25 120V Festive™ Light White	1	4.2	3.1	50000	120	E26	White	2500
LR30 LED LAMP									
LR30WH27K	LED R30 Flood Light White 27K	6	5.2	3.8	50000	120	E26	White	2500
LR20 LED LAMP									
LR20WH27K	LED R20 Flood Light White 27K	4	3.8	2.5	50000	120	E26	White	2500
LED T6 1/2 WATT INDICATOR LAMP									
LT605W27K	LED 1/2W T6 Candelabra Indicator Light 27K	0.5	1.9	0.8	25000	120	E12	White	2500
LT605W5K	LED 1/2W T6 Candelabra Indicator Light 5K	0.5	1.9	0.8	25000	120	E12	White	2500



SHINING NEW LIGHT ON



INCANDESCENT

INCANDESCENT LIGHTING

TCP carries a select line of incandescent lamps for all your lighting needs. This product line features 130V lamps for commercial and industrial applications. These lamps give off warm visible light as a result of heating the filament to incandescence.

A-LINE LAMPS

FEATURES/BENEFITS

- Warm, inviting light
- Available in wattages 60W, 75W, 100W and 150W
- 130V lamps for commercial and industrial use
- Features a 3-way 50/100/150 watt 130V lamp



A19



A21

GLOBE LAMPS

FEATURES/BENEFITS

- Available in versatile G25 and G16.5 sizes
- Features 40W and 60W lamps for any application
- Clear and white applications
- Candelabra and Medium Bases available



G25



G25



G16.5

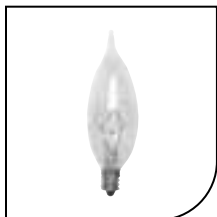
INCANDESCENT LIGHTING

TCP carries a select line of incandescent lamps for all your lighting needs. This product line features 130V lamps for commercial and industrial applications. These lamps give off warm visible light as a result of heating the filament to incandescence.

DECORATIVE LAMPS

FEATURES/BENEFITS

- Warm, inviting light
- Flame tipped CA10 and torpedo style B10
- Available in 40W and 60W clear
- Candelabra and medium base applications



CA10 Candelabra Base



CA10 Medium Base



B10 Candelabra Base



B10 Medium Base

REFLECTOR LAMPS

FEATURES/BENEFITS

- Excellent beam control
- Indoor 130V reflector lamps available in R20, BR30, and BR40
- Wattages available include 50W through 150W
- Outdoor BR38 lamp available in 75W and 150W



R20



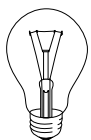
BR30



BR38



BR40



A19



B10 Candelabra



B10 Medium



CA10 Candelabra

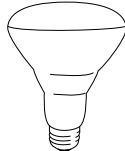


CA10 Medium

ITEM NUMBER	ITEM DESCRIPTION	SECONDARY ITEM DESCRIPTION	WATTS	BULB	BASE	VOLTS	FILAMENT	MOI (INCHES)	LAMP LIFE (HOURS)	INITIAL LUMENS	FINISH
INCANDESCENT A-LINE LAMPS											
42110	60A19/CL/4PK	60W Incandescent A19 Clear 130V 4PK	60 53	A19	E26	130 120	CC-6	4.4	1000 2600	855 645	Clear
42111	60A19/F/4PK	60W Incandescent A19 Frost 130V 4PK	60 53	A19	E26	130 120	CC-6	4.4	1000 2600	850 640	Frost
42114	75A19/CL/4PK	75W Incandescent A19 Clear 130V 4PK	75 67	A19	E26	130 120	CC-6	4.4	750 1950	1175 885	Clear
42115	75A19/F/4PK	75W Incandescent A19 Frost 130V 4PK	75 67	A19	E26	130 120	CC-6	4.4	750 1950	1170 880	Frost
42112	100A19/CL/4PK	100W Incandescent A19 Clear 130V 4PK	100 89	A19	E26	130 120	CC-6	4.4	750 1950	1685 1280	Clear
42113	100A19/F/4PK	100W Incandescent A19 Frost 130V 4PK	100 89	A19	E26	130 120	CC-6	4.4	750 1950	1680 1275	Frost
INCANDESCENT DECORATIVE TORPEDO STYLE LAMPS											
42210	40B10/CL/CA	40W Incandescent Torpedo Clear Candelabra 130V	40	B10	E12	130	CC-2V	3.8	2000	350	Clear
42260	40B10/CL	40W Incandescent Torpedo Clear 130V	40	B10	E26	130	CC-2V	3.8	2000	350	Clear
42212	60B10/CL/CA	60W Incandescent Torpedo Clear Candelabra 130V	60	B10	E12	130	CC-2V	3.8	2000	610	Clear
42262	60B10/CL	60W Incandescent Torpedo Clear 130V	60	B10	E26	130	CC-2V	3.8	2000	610	Clear
INCANDESCENT DECORATIVE FLAME TIP LAMPS											
42410	40CA10/CL/CA	40W Incandescent Flame Tip Clear Candelabra 130V	40	CA10	E12	130	CC-2V	4.2	2000	350	Clear
42460	40CA10/CL	40W Incandescent Flame Tip Clear 130V	40	CA10	E26	130	CC-2V	4.2	2000	350	Clear
42412	60CA10/CL/CA	60W Incandescent Flame Tip Clear Candelabra 130V	60	CA10	E12	130	CC-2V	4.2	2000	610	Clear
42462	60CA10/CL	60W Incandescent Flame Tip Clear 130V	60	CA10	E26	130	CC-2V	4.2	2000	610	Clear
INCANDESCENT G25 GLOBE LAMPS											
42510	40G25/CL	40W Incandescent G25 Clear 130V	40	G25	E26	130	C-9	4.5	1500	350	Clear
42511	40G25/W	40W Incandescent G25 White 130V	40	G25	E26	130	C-9	4.5	1500	345	White
42512	60G25/CL	60W Incandescent G25 Clear 130V	60	G25	E26	130	C-9	4.5	1500	650	Clear
42513	60G25/W	60W Incandescent G25 White 130V	60	G25	E26	130	C-9	4.5	1500	645	White



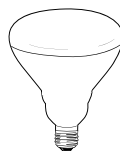
G25



BR30



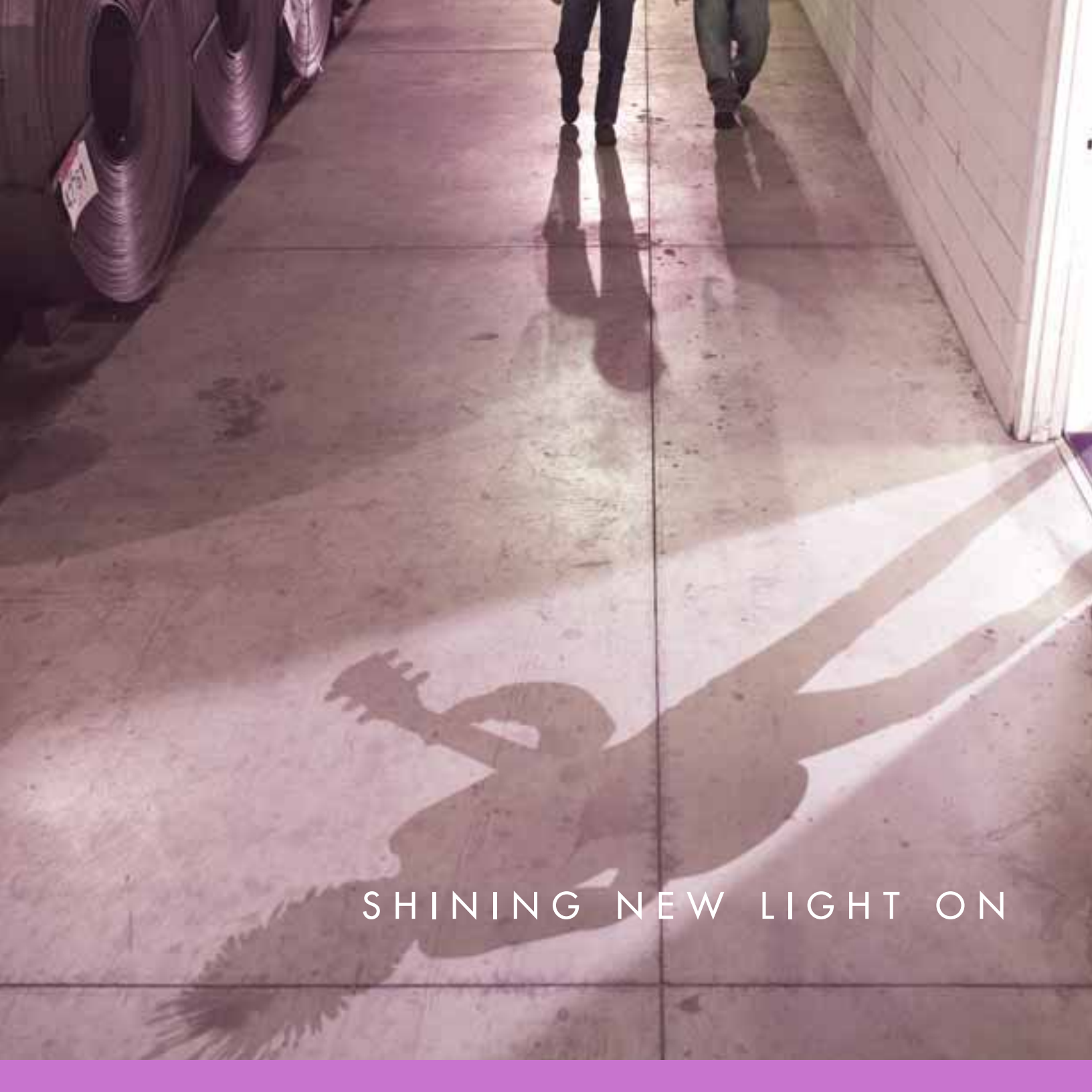
BR38



BR40

ITEM NUMBER	ITEM DESCRIPTION	SECONDARY ITEM DESCRIPTION	WATTS	BULB	BASE	VOLTS	FILAMENT	MOL (INCHES)	LAMP LIFE (HOURS)	INITIAL LUMENS	FINISH
INCANDESCENT REFLECTOR LAMPS											
42720	50R20/FL	50W Incandescent R20 Flood Clear 130V	50 44	R20	E26	130 120	CC-6	3.9	2000 5700	380 285	Flood
42730	65BR30/FL	65W Incandescent BR30 Flood Clear 130V	65 57	BR30	E26	130 120	CC-6	5.4	2000 5700	650 485	Flood
42740	65BR40/FL	65W Incandescent BR40 Flood Clear 130V	65 57	BR40	E26	130 120	CC-6	6.6	2000 5700	650 485	Flood
42810	75BR38/FL	75W Incandescent BR38 Flood Clear 130V	75 66	BR38	E26	130 120	CC-6	5.3	2000 5700	720 540	Flood
42742	85BR40/FL	85W Incandescent BR40 Flood Clear 130V	85 75	BR40	E26	130 120	CC-6	6.6	2000 5700	780 585	Flood
42744	120BR40/FL	120W Incandescent BR40 Flood Clear 130V	120 106	BR40	E26	130 120	CC-6	6.6	2000 5700	1350 1010	Flood
42812	150BR38/FL	150W Incandescent BR38 Flood Clear 130V	150 132	BR38	E26	130 120	CC-6	5.6	2000 5700	1650 1235	Flood

Want to light up a room just by walking in?
Flick the switch.



SHINING NEW LIGHT ON



HALOGEN

HALOGEN LIGHTING

Energy efficient halogen lamps are available for every application. In addition to 120V applications, this product line features 130V lamps for commercial use. Compared to incandescent lamps, halogen lamps provide energy savings, compact size, long life, crisp white light, excellent beam control, and high lumen maintenance.

Consult TCP technical specification sheets for more product selections.

MR16 LAMPS

FEATURES/BENEFITS

- Low voltage 12V lamps
- Compact size
- Available in wattages 20W, 35W, 45W, and 50W
- Consistent color
- Precisely focused light cone

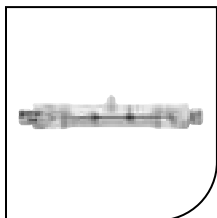


MR16

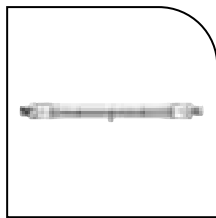
DOUBLE ENDED LAMPS

FEATURES/BENEFITS

- Even linear illumination
- Available in wattages 100W, 150W, 300W and 500W
- Recessed single contact base
- Choice of 120V or 130V



Double Ended 78mm



Double Ended 118mm

HALOGEN ENCAPSULATED LAMPS

FEATURES/BENEFITS

- Crisp white light
- Excellent beam control
- Available in wattages 45W, 50W, 60W, 75W, and 90W
- Lamp sizes include PAR16, PAR20, PAR30, PAR30 Longneck, and PAR38



PAR16



PAR20



PAR30



PAR30LN



PAR38



MR16

Double Ended Halogen

PAR30

PAR38

ITEM NUMBER	ITEM DESCRIPTION	SECONDARY ITEM DESCRIPTION	WATTS	BULB	BASE	VOLTS	FILAMENT	MOL (INCHES)	LAMP LIFE (HOURS)	INITIAL LUMENS	FINISH	BEAM SPREAD (DEGREES)	CBCP
HALOGEN MR16 LAMPS													
44110	50MR16Q/FL	50W Halogen MR16 Flood GU5.3 12V	50	MR16	GU5.3	12	C-8	1.88	2000		Floodlight	38°	2600
HALOGEN DOUBLE-ENDED LAMPS													
44212	300T3Q/CL/CD	300W Halogen DE RSC 130V 118MM CD	300	T3	RSC	130	C-8	4.69 (118 mm)	2000	5500	Clear		
44210	500T3Q/CL/CD	500W Halogen DE RSC 130V 118MM CD	500	T3	RSC	130	C-8	4.69 (118 mm)	2000	10500	Clear		
HALOGEN REFLECTOR LAMPS													
44430	75PAR30/FL/H	75W Halogen PAR30 Flood 120V	75	PAR30LN	E26	120	CC-8	3.62	2000	1020	Wide Flood	38°	
44432	75PAR30/LN/FL/H	75W Halogen PAR30 Long Neck Flood 120V	75	PAR30LN	E26	120	CC-8	4.75	2500	1020	Floodlight	38°	
44436	75PAR30/FL/LN/H	75W Halogen PAR30 Long Neck Flood 130V	75 66	PAR30LN	E26	130 120	CC-8	4.75	2500 5000	1020 780	Wide Flood	38°	
44410	90PAR38/FL/H	90W Halogen PAR38 Flood 120V	90	PAR38	E26	120	CC-8	5.31	2000	1270	Floodlight	30°	
44412	90PAR38/FL/H	90W Halogen PAR38 Flood 130V	90 79	PAR38	E26	130 120	CC-8	5.31	2500 5000	1310 975	Floodlight	30°	

Note: CD means Carded Packaging.

Best things come in small packages.
Brightest things come that way too.



SHINING NEW LIGHT ON



METAL HALIDE

METAL HALIDE LIGHTING

Long life, energy efficient metal halide lighting is available in a wide variety of wattages. Our Corporate commitment of offering the highest quality energy efficient products is supported in this product line.

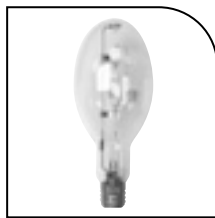
PULSE START PULSE PLUS™ METAL HALIDE LAMPS

FEATURES/BENEFITS

- Long Life
 - Energy efficient
 - High lumen maintenance
 - Faster hot re-strike and start-up times
 - Full range of wattages available in 70W through 400W for any application
 - Formed body arc tube follows the curve of the arc stream.
- Improved thermal performance generates more light than probe start metal halide.



MH 70W/PS



MS 350W/PS

PROBE START METAL HALIDE LAMPS

FEATURES/BENEFITS

- Long life
- Energy efficient
- Sparkling white light (3700K — 4000K) with good color rendition (65 — 70 CRI)
- Available in wattages 175W, 250W, 400W and 1000W



MH 1000W/U

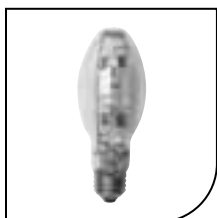


MH 250W/U

UV GUARD™ PROTECTED METAL HALIDE LAMPS

FEATURES/BENEFITS

- Protective quartz jacket surrounds the arc tube
- Continuous operation, no shut-off required
- Reduces over 90% of damaging ultraviolet light
- Recommended by the insurance industry
- Suitable for use in all open luminaires, achieves more light
- Reduces yellowing in all luminaires with a plastic lens



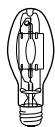
MP 70W/UVG/PS



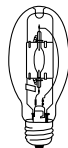
MP 320W/UVG/PS



ED17 Pulse Start



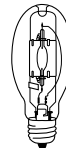
MP ED17 Pulse Start



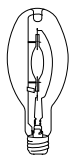
MP ED28 Pulse Start



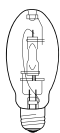
ED28 Pulse Start

MP ED28
Pulse Start

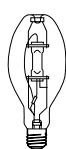
ITEM NUMBER	ITEM DESCRIPTION	ANSI SPEC	INITIAL LUMENS	LUMENS PER WATT	MEAN LUMENS	LAMP LIFE (HOURS)	CCT (KELVIN)	WARM UP (MINUTES)	RESTRIKE (MINUTES)	CRI	FINISH	OPERATING POSITION	DIAMETER (INCHES)	MOL (INCHES)	LCL (INCHES)	BASE	CASE QTY.
PULSE START METAL HALIDE																	
46120	MH 70W/U/PS	M98/E	5600 V 5000 H	80 V 71 H	3600 V 3300 H	15000 V 11250 H	4000	1-2	1-2	65	Clear	U	2.13	5.44	3.38	E26	12
46121	MH 70W/C/U/PS	M98/E	5300 V 4800 H	76 V 69 H	3400 V 3100 H	15000 V 11250 H	3700	1-2	1-2	70	Coated	U	2.13	5.44	3.38	E26	12
46130	MH 100W/U/PS	M90/E	9000 V 8100 H	90 V 81 H	5900 V 5300 H	15000 V 11250 H	4000	1-2	2-4	65	Clear	U	2.13	5.44	3.38	E26	12
46131	MH 100W/C/U/PS	M90/E	8500 V 7700 H	85 V 77 H	5500 V 5000 H	15000 V 11250 H	3700	1-2	2-4	70	Coated	U	2.13	5.44	3.38	E26	12
46156	MH 150W/U/PS	M102/E	14000 V 12600 H	93 V 84 H	10500 V 9500 H	15000 V 11250 H	4000	1-2	2-4	65	Clear	U	2.13	5.44	3.38	E26	12
46161	MH 150W/C/U/PS	M102/E	13300 V 12000 H	89 V 80 H	10000 V 9000 H	15000 V 11250 H	3700	1-2	2-4	70	Coated	U	2.13	5.44	3.38	E26	12
46150	MP 150W/U/UVG/PS	M102/O	13300 V 12000 H	89 V 80 H	10000 V 9000 H	15000 V 11250 H	4000	1-2	3-5	65	Clear	U	2.13	5.44	3.38	E26	12
46152	MP 150W/U/UVG/PS/3K	M102/O	13300 V 12000 H	89 V 80 H	10000 V 9000 H	15000 V 11250 H	3200	1-2	3-5	65	Clear	U	2.13	5.44	3.38	E26	12
46170	MS 175W/V/MED/PS	M152/E	17500	100	14000	15000	4000	1-2	2-4	65	Clear	V+/-15°	2.13	5.44	3.38	E26	12
46212	MS 200W/V/PS	M136/E	21000	105	16800	15000	4000	1-2	2-4	65	Clear	V+/-15°	3.50	8.31	5.0	E39	12
46213	MS 200W/C/V/PS	M136/E	20000	100	16000	15000	3700	1-2	2-4	70	Coated	V+/-15°	3.50	8.31	5.0	E39	12
46222	MS 250W/V/PS	M153/E	25000	100	20000	15000	4000	2-3	3-5	65	Clear	V+/-15°	3.50	8.31	5.0	E39	12
46223	MS 250W/C/V/PS	M153/E	23800	95	19000	15000	3700	2-3	3-5	70	Coated	V+/-15°	3.50	8.31	5.0	E39	12
46236	MS 320W/V/ED28/PS	M154/E	33000	103	26000	20000	4000	2-3	4-6	65	Clear	V+/-15°	4.63	8.31	5.0	E39	12
46232	MS 320W/V/ED37/PS	M154/E	33000	103	26000	20000	4000	2-3	4-6	65	Clear	V+/-15°	4.63	11.5	7.0	E39	6
46240	MP 320W/BU/ED28/UVG/PS	M154/O	31000	97	25000	20000	4000	2-3	5-8	65	Clear	BU+/-15°	4.63	8.31	5.0	EX39	12
46237	MP 320W/C/BU/ED28/UVG/PS	M154/O	29000	91	23000	20000	3700	2-3	5-8	70	Coated	BU+/-15°	4.63	8.31	5.0	EX39	12
46242	MP 320W/BU/ED37/UVG/PS	M154/O	31000	97	25000	20000	4000	2-3	5-8	65	Clear	BU+/-15°	4.63	11.50	7.0	EX39	6
46239	MP 320W/C/BU/ED37/UVG/PS	M154/O	29000	91	23000	20000	3700	2-3	5-8	70	Coated	BU+/-15°	4.63	11.50	7.0	EX39	6
46250	MS 350W/V/PS	M131/E	37000	106	29000	20000	4000	2-3	4-6	65	Clear	V+/-15°	4.63	11.50	7.0	E39	6
46253	MS 350W/C/V/PS	M131/E	35000	100	28000	20000	3700	2-3	4-6	70	Coated	V+/-15°	4.63	11.50	7.0	E39	6
46258	MP 350W/BU/UVG/PS	M131/O	35000	100	28000	20000	4000	2-3	5-8	65	Clear	BU+/-15°	4.63	11.50	7.0	EX39	6
46257	MP 350W/C/BU/UVG/PS	M131/O	33000	94	26000	20000	3700	2-3	5-8	70	Coated	BU+/-15°	4.63	11.50	7.0	EX39	6
46274	MS 400W/V/PS	M155/E	44000	110	35000	20000	4000	2-3	4-6	65	Clear	V+/-15°	4.63	11.50	7.0	E39	6
46275	MS 400W/C/V/PS	M155/E	42000	105	33000	20000	3700	2-3	4-6	70	Coated	V+/-15°	4.63	11.50	7.0	E39	6
46280	MP 400W/BU/UVG/PS	M155/O	41000	102	33000	20000	4000	2-3	5-8	65	Clear	BU+/-15°	4.63	11.50	7.0	EX39	6
46279	MP 400W/C/BU/ED28/UVG/PS	M155/O	39000	98	31000	20000	3700	2-3	5-8	70	Coated	BU+/-15°	3.50	8.31	5.0	EX39	12



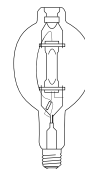
ED37 Pulse Start



ED28 Probe Start



ED37 Probe Start



BT56 Probe Start

ITEM NUMBER	ITEM DESCRIPTION	ANSI SPEC	INITIAL LUMENS	LUMENS PER WATT	MEAN LUMENS	LAMP LIFE (HOURS)	CCT (KELVIN)	WARM UP (MINUTES)	RESTRIKE (MINUTES)	CRI	FINISH	OPERATING POSITION	DIAMETER (INCHES)	MOL (INCHES)	LCL (INCHES)	BASE	CASE QTY.
STANDARD PROBE START METAL HALIDE																	
46310	MH 175W/U	M57/E	14000 V 12600 H	80 V 72 H	9100 V 8200 H	10000 V 7500 H	4000	3-5	5-10	65	Clear	U	3.50	8.31	5.0	E39	12
46311	MH 175W/C/U	M57/E	13300 V 12000 H	76 V 68 H	8600 V 7800 H	10000 V 7500 H	3700	3-5	5-10	70	Coated	U	3.50	8.31	5.0	E39	12
46320	MH 250W/U	M58/E	21000 V 18900 H	84 V 76 H	13700 V 12300 H	10000 V 7500 H	4000	3-5	5-10	65	Clear	U	3.50	8.31	5.0	E39	12
46321	MH 250W/C/U	M58/E	20000 V 18000 H	80 V 72 H	13000 V 11700 H	10000 V 7500 H	3700	3-5	5-10	70	Coated	U	3.50	8.31	5.0	E39	12
46340	MH 400W/U	M59/E	36000 V 32400 H	90 V 81 H	23000 V 21100 H	20000 V 15000 H	4000	3-5	7-12	65	Clear	U	4.63	11.50	7.0	E39	6
46341	MH 400W/C/U	M59/E	34000 V 30600 H	85 V 76 H	22000 V 19900 H	20000 V 15000 H	3700	3-5	7-12	70	Coated	U	4.63	11.50	7.0	E39	6
46352	MH 400W/U/ED28	M59/E	36000 V 32400 H	90 V 81 H	23000 V 21100 H	20000 V 15000 H	4000	3-5	7-12	65	Clear	U	3.50	8.31	5.0	E39	12
46344	MS 400W/BU	M59/E	40000	100	26000	20000	4000	3-5	7-12	65	Clear	BU+/-15°	4.63	11.50	7.0	E39	6
46345	MS 400W/C/BU	M59/E	38000	95	24000	20000	3700	3-5	7-12	70	Coated	BU+/-15°	4.63	11.50	7.0	E39	6
46346	MP 400W/BU/UVG	M59/O	36000	95	23000	20000	4000	3-5	7-12	65	Clear	BU+/-15°	4.63	11.50	7.0	EX39	6
46370	MH 1000W/U	M47/E	110000 V 99000 H	110 V 99 H	71000 V 64400 H	12000 V 9000 H	4000	3-5	7-12	65	Clear	U	7.00	15.38	9.50	E39	6

Always look on the bright side of life.
You mean there are other sides?

WARRANTIES

COMPACT FLUORESCENT LAMPS

8,000 Hour Lamps 12 months

LIMITED WARRANTY

This TCP product is warranted for a period of one year from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within one year of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

10,000 Hour Lamps 15 months

LIMITED WARRANTY

This TCP product is warranted for a period of 15 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within 15 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

289 Series 9 Watts and Higher Lamps 18 Months

LIMITED WARRANTY

This TCP product is warranted for a period of 18 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within 18 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

15,000 Hour SpringLamp® 24 months

LIMITED WARRANTY

This TCP product is warranted for a period of 24 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within 24 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

50,000 Hour Ballasts 5 Years

LIMITED WARRANTY

This TCP product is warranted for a period of 5 years from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within 5 years of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

SPECIALTY

25,000 Hour Cold Cathode 36 months

LIMITED WARRANTY

This TCP product is warranted for a period of 36 months (12 hours/day burn time) from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within 36 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

50,000 Hour LED 5 Years

LIMITED WARRANTY

This TCP product is warranted for a period of 5 years (24 hours/day burn time) from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within 5 years of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

FIXTURES

Fixtures 24 months

LIMITED WARRANTY

This TCP product is warranted for a period of two years from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address at right) along with the original sales receipt within two years of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. Light bulbs are not covered under this warranty.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

EMERGENCY

This TCP product (except batteries; see below) is warranted for a period of five years from date of original purchase against defects in materials and workmanship. If these products should fail to operate due to materials and workmanship, simply return this to the place of purchase or to the TCP, Inc. service center (address below) with its RGA as stated in the terms & conditions, and the product will be repaired or replaced at TCP's sole discretion. The warranty is expressly limited to repair or replacement of the product. No labor charge will be honored without prior written factory authorization. Damage incurred from handling or in transit is not covered by this guarantee. Claims for shipping damages must be filed with the carrier. This warranty gives the customer specific legal rights, which vary from state to state. Light bulbs are not covered under this warranty.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

Battery Type	Life Expectancy	Full Warranty	Pro-Rate	Total
Sealed Lead Calcium	8 years	1 year	-	5
Nickel Cadmium	15 years	5 years	-	5

The pro-rated warranty period for batteries begins on the date the full warranty ends.

LINEAR

Electronic Ballast Warranty

Section 1. This TCP product is warranted for a period of five (5) years from date of manufacture against defects in materials and workmanship. If the ballast fails the warranty, the purchaser must return the ballast, at purchaser's expense, directly to TCP using a pre-approved Return Authorization label.

Section 2. Upon verification that the ballast was defective during the warranty period, TCP shall promptly, at TCP's expense, make available a repaired or new replacement ballast.

Section 3. TCP will pay actual labor expenses for the replacement of defective ballasts, up to a maximum of \$10.00 per ballast.

Section 4. The warranty provided shall automatically expire without notice five (5) years after the date of manufacture.

Section 5. To the extent permitted by law, TCP shall not be liable for misuse, lost profits, loss of use or other special, indirect or consequential damages resulting from any breach of TCP's warranty, even if TCP has been advised of the possibility of such damages.

THE WARRANTY PROVIDED ABOVE IS EXCLUSIVE AND NO OTHER WARRANTY IS PROVIDED, WHETHER WRITTEN OR ORAL, EXPRESSED OR IMPLIED. TCP SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE OF THE BALLAST, THE TCP TECHNOLOGY CONTAINED THEREIN AND ANY OTHER MATERIALS OR SERVICES PROVIDED HEREUNDER; THE REMEDIES OF SECTION 2 SHALL BE THE SOLE AND EXCLUSIVE REMEDIES WITH RESPECT TO THE LIMITED PRODUCT WARRANTY OF SECTION 1.

T8 Linear Lamp Warranty

This TCP product is warranted for a period of two (2) years from date of manufacture against defects in materials and workmanship.

GENERAL LIGHTING

Metal Halide Lamps 12 months

LIMITED WARRANTY

This TCP product is warranted for a period of one year from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (address below) along with the original sales receipt within one year of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

Incandescent & Halogen Satisfaction Guarantee

If this TCP light bulb does not perform to the specifications printed on the package, simply call 1-800-771-9335 and we will replace your light bulb, guaranteed!

Some of our products contain mercury (Hg). Dispose according to local, state or Federal Laws. See www.lamprecycle.org, or call 1-800-771-9335.

Our mailing address:

Technical Consumer Products, Inc., 300 Lena Drive, Aurora, OH 44202

2006

WARRANTY

accent lighting

Directional lighting to emphasize a particular object or to draw attention to a part of the field of view. See directional lighting.

adaptation

The process by which the retina of the eye becomes accustomed to more or less light than it was exposed to during an immediately preceding period. It results in a change in the sensitivity of the eye to light.

baffle

A single opaque or translucent element to shield a source from direct view at certain angles, or to absorb unwanted light.

ballast

A device used with an electric-discharge lamp to obtain the necessary circuit conditions (voltage, current and wave form) for starting and operating; all fluorescent and HID light sources require a ballast for proper operation. Dimming ballasts are special ballasts which when used together with a dimmer will vary the light output of a lamp.

ballast factor, BF

The measured ability of a particular ballast to produce light from the lamp(s) it powers; ballast factor is derived by dividing the lumen output of a particular lamp/ballast combination by the lumen output of the same lamp(s) on a reference ballast.

beam angle

The angle between the two directions for which the intensity (candlepower) is 50% of the maximum intensity as measured in a plane through the nominal beam centerline (center beam candlepower).

beam spread

(In any plane) the angle between the two directions in the plane in which the candlepower is equal to a stated percent (usually ten percent) of the maximum candlepower in the beam.

brightness

See luminance.

candela, cd

The unit of measure indicating the luminous intensity (candlepower) of a light source in a specific direction; any given light source will have many different intensities, depending upon the direction considered.

candlepower distribution

A curve that represents the variation in luminous intensity (expressed in candelas) in a plane through the light center of a lamp or luminaire; each lamp or lamp/luminaire combination has a unique set of candlepower distributions that indicate how light will be spread.

candlepower distribution curve

A curve, generally polar, representing the variation of luminous intensity of a lamp or luminaire in a plane through the light center.

center beam candlepower, CBCP

The intensity of light produced at the center of a reflector lamp, expressed in candelas.

chromaticity

The aspect of color that includes consideration of its dominant wavelength and purity.

coefficient of utilization, CU

The ratio of the luminous flux (lumens) from a luminaire received on the work-plane to the lumens emitted by the luminaire's lamps alone.

color rendering index, CRI

The measure of a light source's ability to render the color of objects "correctly," as compared with a reference source with comparable color temperature; the scale peaks at 100.

correlated color temperature, CCT

A specification of the color appearance of a lamp relating its color to that of a reference source heated to a particular temperature, measured in degrees Kelvin (K); CCT generally measures the "warmth" or "coolness" of light source appearance.

current, I

A measure of the flow of electricity, expressed in amperes (A).

cut-off angle

(Of a luminaire) the angle from the vertical at which a reflector, louver or other shielding device cuts off direct visibility of a light source. It is the complementary angle of the shielding angle.

diffuse lighting

Light that is not predominantly incident from any particular direction.

diffuser

A device to redirect or scatter the light from a source by the process of diffuse transmission.

direct glare

Glare resulting from high luminance or insufficiently shielded light sources in the field of view, or from reflecting areas of high luminance. It is usually associated with bright areas such as luminaires, ceilings and windows that are outside the visual task or region being viewed.

direct lighting

Lighting by luminaires distributing 90 to 100 percent of the emitted light in the general direction of the surface to be illuminated. The term usually refers to light emitted in a downward direction. (See accent lighting.)

directional lighting

Illumination on the work-plane or on an object predominantly from a single direction.

disability glare

Glare resulting in reduced visual performance and visibility. It is often accompanied by discomfort.

discomfort glare

Glare producing discomfort. It does not necessarily interfere with visual performance or visibility.

efficacy

Efficiency of a light source expressed in lumens per watt (LPW or lm/W).

energy

A measure of work done by an electrical system over a given period of time, often expressed in kilowatt-hours (kWh).

enhancing reflections

Reflections which enhance appearance described in such terms as sparkling, glittering, etc.

ESCO

Energy Saving service Company

fenestration

Any opening or arrangement of openings or windows (normally filled with media for light control) for the admission of daylight or for the transmission of electric lighting from one room to another room.

fixture

See luminaire.

fluorescent lamp

A low pressure mercury electric discharge lamp, tubular in shape in which a fluorescent coating (phosphor) transforms ultraviolet energy into visible light.

footcandle, fc

A unit of illuminance equal to 1 lumen per square foot.

frequency

The number of times per second that an alternating current system reverses from positive to negative and back to positive, expressed in cycles per second or hertz, Hz.

general lighting

Lighting designed to provide a substantially uniform illuminance throughout an area, exclusive of any provision for special local requirements.

glare

Excessive brightness that may be caused by either direct or indirect viewing of a light source; any brightness or brightness relationship that annoys, distracts or reduces visibility.

harmonic

An electrical frequency that is an integer multiple of the fundamental frequency; for example, if 60 Hz is the fundamental frequency, then 120 Hz is the second harmonic and 180 Hz is the third harmonic; some electronic devices, such as ballasts or power supplies, can cause harmonic distortion, directly affecting power quality.

Hertz, Hz

A unit of frequency equal to one cycle per second; see frequency.

high intensity discharge (HID) lamps

A general group of lamps consisting of mercury, metal halide and high pressure sodium lamps.

illuminance

Light arriving at a surface, expressed in lumens per unit area; 1 lumen per square foot equals 1 footcandle, while 1 lumen per square meter equals 1 lux.

incandescent filament lamp

A lamp in which light is produced by a filament heated to incandescence by an electric current.

indirect lighting

Lighting by luminaires distributing 90 to 100 percent of the emitted light upward.

lamp

Manufactured light source; the 3 broad categories of electric lamps are incandescent, fluorescent, and high intensity discharge (HID).

lamp life

An average rating, in hours, indicating when 50% of a large group of lamps have failed, when operated at nominal lamp voltage and current; manufacturers use 3 hours per start for fluorescent lamps and 10 hours per start for HID lamps when performing lamp life testing procedures; every lamp type has a unique mortality curve that depicts its average rated life.

lens

A glass or plastic element used in luminaires to change the direction and control the distribution of light rays.

lamp

A generic term for a man-made source of light.

lamp lumen depreciation factor, LLD

The multiplier to be used in illumination calculations to relate the initial rated output of light sources to the anticipated minimum rated output based on the relamping program to be used.

level of illumination

See illuminance.

light

Radiant energy that is capable of producing a visual sensation.

light loss factor, LLF

A factor used in calculating illuminance after a given period of time and under given conditions. It takes into account temperature and voltage variations, dirt accumulation on luminaire and room surfaces, lamp depreciation, maintenance procedures and atmosphere conditions. Formerly called maintenance factor.

light source

See lamp.

louver

A series of baffles used to shield a source from view at certain angles or to absorb unwanted light. The baffles are usually arranged in a geometric pattern.

lumen, lm

A unit of luminous flux; the overall light output of a luminous source is measured in lumens.

lumen depreciation

The decrease in lumen output of a light source over time; every lamp type has a unique lumen depreciation curve (sometimes called lumen maintenance curve) depicting the pattern of decreasing light output.

lumen maintenance

See lumen depreciation.

luminaire

A light fixture; the complete lighting unit, including lamp, reflector, ballast, socket, wiring, diffuser, and housing.

luminaire efficiency

The ratio of luminous flux (lumens) emitted by a luminaire to that emitted by the lamp or lamps used therein.

luminance, L

Light reflected in a particular direction; the photometric quantity most closely associated with brightness perception, measured in units of luminous intensity (candelas) per unit area (square feet or square meters).

luminance contrast

The relationship between the luminances of an object and its immediate background.

luminance ratio

The ratio between the luminances of any two areas in the visual field.

luminous flux

The time rate of flow of light.

lux, lx

A unit of illuminance equal to 1 lumen per square meter.

matte surface

A non-glossy dull surface as opposed to a shiny (specular) surface. Light reflected from a matte surface is diffuse.

modeling

The effect of using highly directional light to create form through shadows and highlights.

nanometer, nm

A unit of length equal to 10⁻⁹ meters; commonly used as a unit of wavelength.

power

The rate at which energy is taken from an electrical system or dissipated by a load, expressed in watts (W); power that is generated by a utility is typically expressed in volt-amperes (V-A).

power factor

A measure of the effectiveness with which an electrical device converts volt-amperes to watts; devices with power factors >0.90 are "high power factor" devices.

quality of lighting

Pertains to the distribution of luminance in a visual environment. The term is used in a positive sense and implies that all luminances contribute favorably to visual performance, visual comfort, ease of seeing, safety and esthetics for the specific visual tasks involved.

quantity of light

The product of the luminous flux by the time it is maintained. It is the time integral of luminous flux.

reference ballast

A ballast specially constructed to have certain prescribed characteristics for use in testing electric-discharge lamps and other ballasts.

reflectance, rho

The percentage of light reflected back from a surface, the difference having been absorbed or transmitted by the surface.

reflected glare

Glare resulting from specular reflections of high luminance in polished or glossy surfaces in the field of view.

reflection

The process by which flux leaves a surface or medium from the incident side.

reflector

A device used to redirect the light by the process of reflection.

refraction

The process by which the direction of a ray of light changes as it passes obliquely from one medium to another.

refractor

A device used to redirect the luminous flux from a source, primarily by the process of refraction.

resistance, R

A measure of resistance to flow of current, expressed in ohms.

shielding

A general term to include all devices used to block, diffuse or redirect light rays, including baffles, louvers, shades, diffusers and lenses.

shielding angle

The complementary angle of the cut-off angle of a luminaire.

spectral power distribution, SPD

A curve illustrating the distribution of power produced by the lamp, at each wavelength across the spectrum.

specular surface

A shiny, highly polished surface which reflects light at an angle equal to that of the incident light.

supplementary lighting

Lighting used to provide an additional quantity and quality of illumination that cannot be readily obtained by a general lighting system and that supplements the general lighting level usually for specific task requirements.

transmission

The process by which incident flux leaves a surface or medium on a side other than the incident side, the characteristics of many materials such as glass, plastics and textiles.

transmittance

The ratio of the flux transmitted by a medium to the incident flux.

veiling reflections

Reflections which partially or totally obscure the details to be seen by reducing the contrast.

visual comfort probability, VCP

A discomfort glare calculation that predicts the percent of observers positioned in the least favorable part of the room who would be expected to judge a lighting condition to be comfortable. VCP rates the luminaire in its environment, taking into account such factors as illuminance level, room dimensions and reflectances, luminaire type, size and light distribution, number and location of luminaires, and observer location and line of sight. The higher the VCP the more comfortable the lighting environment.

visual field

The location of objects or points in a space where the head and eyes are kept fixed.

visual surround

all portions of the visual field except the visual task.

visual task

Those details and objects which must be seen for the performance of a given activity, including the immediate background of the details or objects.

voltage, V

A measure of electrical potential, expressed in volts (V).

watt, W

A unit of electrical power equal to 1 joule per second.

work plane

The plane at which work usually is done, and on which the illuminance is specified and measured. Unless otherwise indicated, this is assumed to be a horizontal plane 0.76 meters (30 inches) above the floor.



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