

290 SERIES • 120V • PAR38



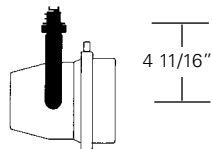
Lightweight and small-sized, this spotlight will fit comfortably in any interior space where high-intensity light is needed.

- Designed for all PAR38 medium screw base lamps up to 250 watts
- Sturdy aluminum housing
- Rugged steel and self-locking yoke for horizontal and vertical focusing
- On/off safety switch (on most mounting types)
- Relamping handle for easy lamp changing
- External multiple accessory clips accept all size C LSI filters and accessories
- Integral dimmer is available
- Finishes: LSI Black, White, and Silver
- Fixture weight: 1.5 lbs.

MOUNTING OPTIONS

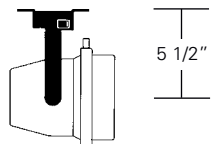
290-00

Lexan fitting for 1 and 2 circuit LSI Track. With On/Off switch.



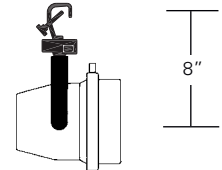
290-2G

Universal fitting for Unistrut Systems and any screw or bolt-up applications. With switch, straight 6-foot 3-wire grounding cord and NEMA 5-15P plug.



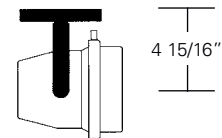
290-3G

C-clamp for pipes from 5/8" to 2" O.D. With switch, straight 6-foot 3-wire grounding cord and NEMA 5-15P plug.



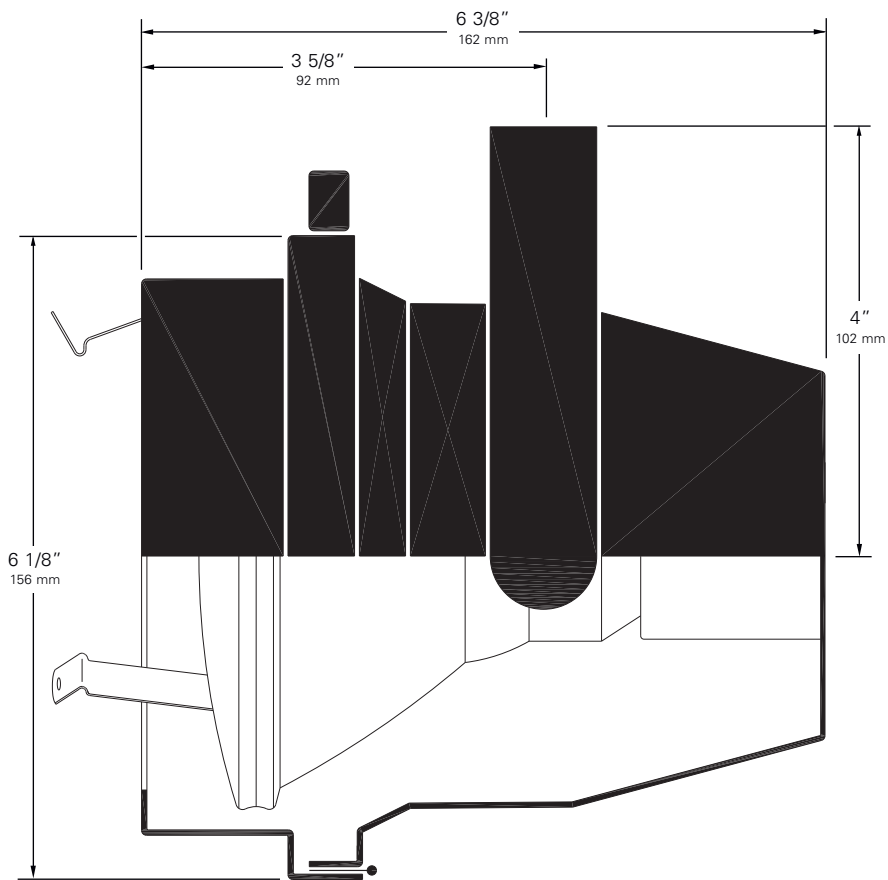
290-5

Canopy for permanent mounting on standard 4" octagonal outlet boxes.



Other Options (Consult Factory):

- Stems, specify length
- Custom color, RAL palette
- Security/Worklight Fixture, add suffix **EF**. For use with -EF00 (Track) and -EFBUS (Busway) mounting options only.



ORDERING INFORMATION

1. Select your **Mounting Option**.
 2. Choose other fixture **Options** (add suffix):
 - For Coiled Cord, add **CC**
Coiled Cord is 18/3 105°C, 18" retracted, 6 foot extended. White fixtures are supplied with white cord, all other finishes are supplied with black cord. Available only with **2G** and **3G** mounting options. (When a coiled cord is not specified, a straight cord is provided.)
 - For Wrench Locking, add **WL**
 - For Integral Dimmer, add **FD**
Note: **FD** is Forward Phase/Triac Dimming
 3. Choose a **Finish** for your fixture:
Black (**B**) White (**W**) Silver (**S**)
Example: **290** — **2G** **CC** **WL** **FD** **B**
FIXTURE FITTING COILED CORD WRENCH LOCKING DIMMER FINISH
- Blue fields are optional. Leave blank if not required.
4. Don't forget your **Accessories!**
LSI features the widest range of accessories in the industry to help you modify the light's intensity, color, texture and pattern.

PAR38 LAMPS			
Watts	Spread	CBCP	
60	10°	20000	60PAR/HIR/SP10
60	30°	3600	60PAR/HIR/FL30
60	40°	2000	60PAR/HIR/FL40
80	10°	25000	80PAR/HIR/SP10
80	25°	5500	80PAR/HIR/FL25
90	10°	16000	90PAR/H/SP10
90	12°	12000	90PAR/HIR/SP12/XL
90	25°	4100	90PAR/H/FL25
90	25°	4100	90/PAR/H/CB/FL25
90	40°	2800	90PAR/HIR/FL40/XL
100	10°	29000	100PAR/HIR/SP10
100	25°	6300	100PAR/HIR/FL25
100	40°	3400	100PAR/HIR/FL40
250	10°	40000	Q250PAR/SP10
250	30°	9000	Q250PAR/FL30

ACCESSORIES

Cross Baffle C
2-1/8" deep cylindrical metal hood with cross blade baffle. Controls spill light and glare. Black interior.

Other accessories:

- Louver C
- Hood C
- Hood Sparkle C
- Delta Baffle C
- Barndoor C
- Glass Color Filters C
- Spread Lenses C990, C992, C995, C996
- Beam Softener C998
- Light Blocking Screens C801S, C802S, C803S
- OPTIVEX™ UV Filter C962

PAR38 • PHOTOMETRIC DATA

50PAR/HIR/SP10 50 watt, 3000 hrs
 Beam spread to 50% of CBCP **10°**
 Center beam candlepower **14000**
 Color temperature (Kelvin) **2810**

50PAR/HIR/FL30 50 watt, 3000 hrs
 Beam spread to 50% of CBCP **30°**
 Center beam candlepower **3000**
 Color temperature (Kelvin) **2810**

60PAR/HIR/SP10 60 watt, 3000 hrs
 Beam spread to 50% of CBCP **10°**
 Center beam candlepower **20000**
 Color temperature (Kelvin) **2875**

60PAR/HIR/FL30 60 watt, 3000 hrs
 Beam spread to 50% of CBCP **30°**
 Center beam candlepower **3600**
 Color temperature (Kelvin) **2875**

60PAR/HIR/FL40 60 watt, 3000 hrs
 Beam spread to 50% of CBCP **40°**
 Center beam candlepower **2000**
 Color temperature (Kelvin) **2875**

80PAR/HIR/SP10 80 watt, 3000 hrs
 Beam spread to 50% of CBCP **10°**
 Center beam candlepower **25000**
 Color temperature (Kelvin) **2900**

80PAR/HIR/SP12 80 watt, 3000 hrs
 Beam spread to 50% of CBCP **12°**
 Center beam candlepower **19000**
 Color temperature (Kelvin) **2900**

80PAR/HIR/FL25 80 watt, 3000 hrs
 Beam spread to 50% of CBCP **25°**
 Center beam candlepower **5500**
 Color temperature (Kelvin) **2900**

100PAR/HIR/SP10 100 watt, 3000 hrs
 Beam spread to 50% of CBCP **10°**
 Center beam candlepower **29000**
 Color temperature (Kelvin) **2900**

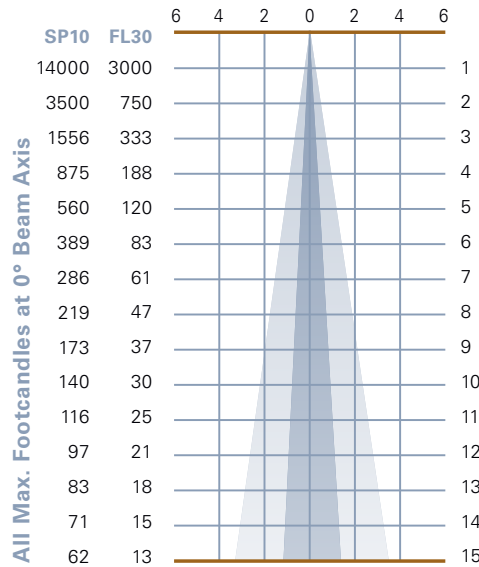
100PAR/HIR/FL25 100 watt, 3000 hrs
 Beam spread to 50% of CBCP **25°**
 Center beam candlepower **6300**
 Color temperature (Kelvin) **2900**

100PAR/HIR/FL40 100 watt, 3000 hrs
 Beam spread to 50% of CBCP **40°**
 Center beam candlepower **3400**
 Color temperature (Kelvin) **2900**

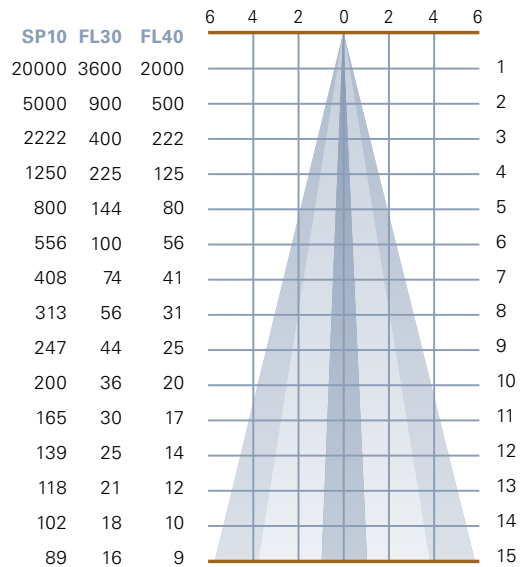
Abbreviations used:

- CBCP = Center Beam Candlepower
- H = Halogen
- HIR = Halogen Infra Red

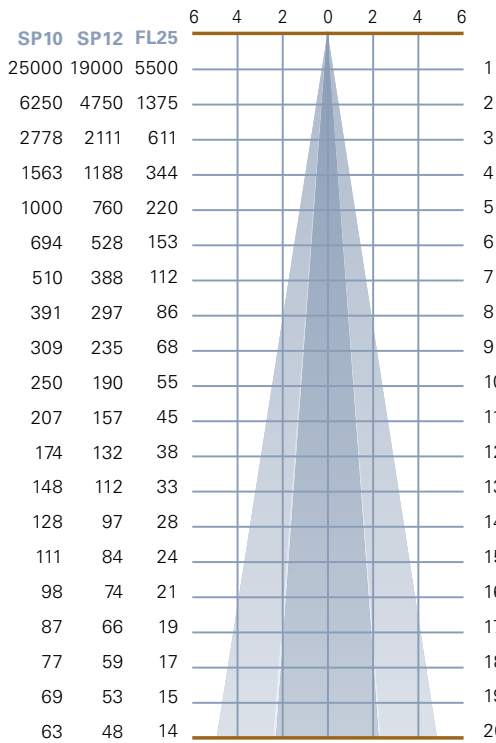
All Distances in Feet



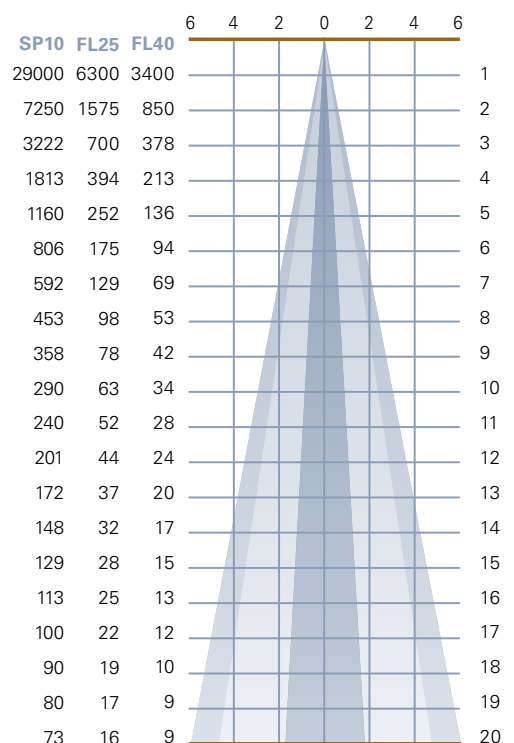
50PAR/HIR/SP10 10°
50PAR/HIR/FL30 30°



60PAR/HIR/SP10 10°
60PAR/HIR/FL30 30°
60PAR/HIR/FL40 40°



80PAR/HIR/SP10 10°
80PAR/HIR/SP12 12°
80PAR/HIR/FL25 25°



100PAR/HIR/SP10 10°
100PAR/HIR/FL25 25°
100PAR/HIR/FL40 40°

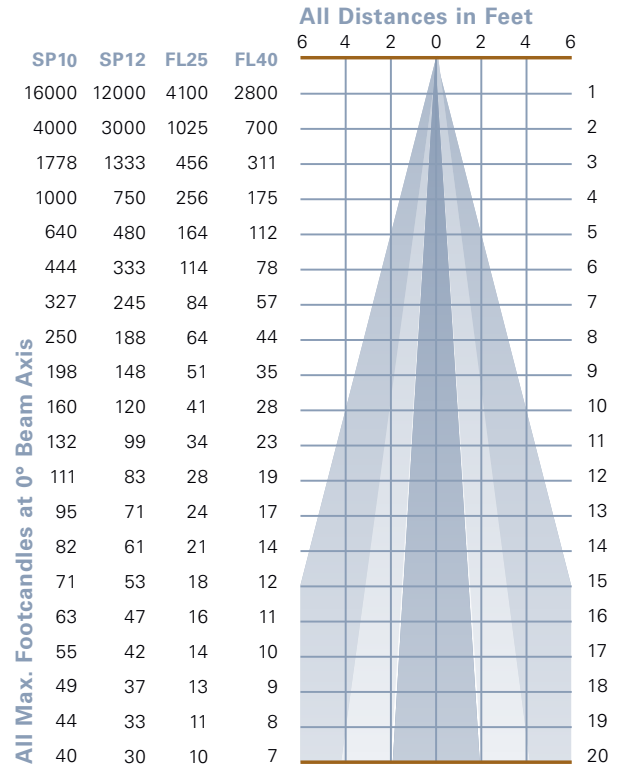
LINE VOLTAGE LAMPS • PAR38

90PAR/H/SP10 90 watt, 2500 hrs
 Beam spread to 50% of CBCP **10°**
 Center beam candlepower **16000**
 Color temperature (Kelvin) **2870**

90PAR/HIR/SP12/XL 90 watt, 6000 hrs
 Beam spread to 50% of CBCP **12°**
 Center beam candlepower **12000**
 Color temperature (Kelvin) **2800**

90PAR/H/FL25 90 watt, 2500 hrs
 Beam spread to 50% of CBCP **25°**
 Center beam candlepower **4100**
 Color temperature (Kelvin) **2870**

90PAR/HIR/FL40/XL 90 watt, 6000 hrs
 Beam spread to 50% of CBCP **40°**
 Center beam candlepower **2800**
 Color temperature (Kelvin) **2800**

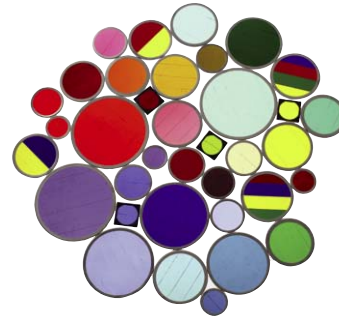


90PAR/H/SP10 10°
90PAR/HIR/SP12/XL 12°
90PAR/H/FL25 25°
90PAR/HIR/FL40/XL 40°

LINE VOLTAGE COLOR MEDIA

COLOR MEDIA

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion. In addition, LSI has available a Color Filter Sample Kit, Light Blocking Screens, OPTIVEX™ Glass UV Filters and Special Lenses. All are described in detail below.



Size	Diameter	LSI Fixture Series			No.	Color	% of Light Transmission
AA	3"	LN20	Duocolor® Filters		902	Medium Pink	36
A	3 1/2"	230, 280, LN30	LSI two color glass filters blend to form one unique color that previously could only be achieved by using two separate color filters in the same fixture. Two color fringed shadows produced on background.		903	Deep Pink	37
C	4 3/4"	200, 238, 290, GR38, LN38, CX38	No.	Glass Colors Used	904	Flesh Pink	73
Special Glass Color Filters			770	910/944	906	Pale Lavender	14
LSI will fabricate, on special order, glass color filters in most sizes and shapes.			771	910/921	907	Surprise Pink	19
FS4 – Color Filter Samples			772	910/930	908	Lilac	21
To facilitate selection of glass color filters, LSI supplies a complete set of labeled glass and dichroic samples in a handy carrying case.			773	944/933	910	Warm Red	10
Multicolor® Filters			774	921/930	911	Strawberry	6
Unique LSI four color glass filters create rich exciting blended color effects on all objects with brilliant four color fringed shadows on background.			775	930/933	912	Ruby	4
No.	Glass Colors Used		776	910/948	913	Magenta	1
760	910/930/944/921		Notes:		914	Light Amethyst	25
761	910/930/921/944		1. Values given are approximate due to slight variations in glass color and thickness.		915	Medium Amethyst	16
762	944/921/910/930				916	Deep Amethyst	4
763	944/930/910/921				917	Olive	18
764	921/944/910/930				918	Light Green	68
					920	Medium Green	25
					921	Deep Green	7
					922	Silver green	65
					923	Yellow Green	49
					924	Emerald Green	12
					925	Light Turquoise	68
					926	Medium Turquoise	40
					927	Deep Turquoise	17
					928	Light Blue	34
					930	Medium Blue	3
					932	Daylight	59
					933	Gene Moore Blue	18
					936	Grey	56
					937	Light Blue Green	17
					939	Light Amber	68
					940	Medium Amber	48
					941	Deep Amber	43
					942	Straw	78
					943	Gold	87
					944	Canary Yellow	84
					945	Lemon	81
					946	Pumpkin	32
					947	Tangerine	20
					948	Orange	23
					949	Pink Gold	54
					950	Bronze	48
					951	Brass	11
					952	Autumn Tan	11
					953	Leaf Brown	19
					954	Butter Pecan	3
					955	Toasted Almond	1

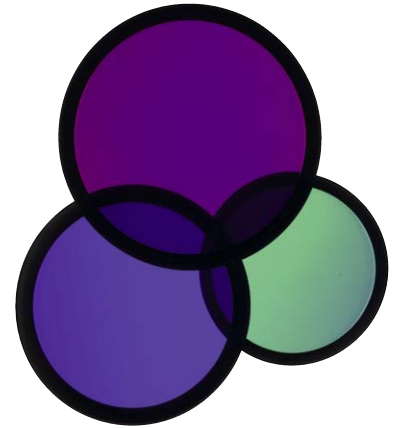
DICHROIC COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



Size	Diameter	LSI Fixture Series	Technical Data	No.	Color	% of Light Transmission
AA	3"	LN20	<p>Technical Data</p> <p>Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.</p> <p>Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.</p> <p>LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.</p> <p>Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.</p>	2001	Light Pink	69
A	3 1/2"	230, 280, LN30		2002	Medium Pink	43
C	4 3/4"	200, 238, 290, GR38, LN38, CX38		2003	Hot Pink	11
<p>Special Glass Color Filters</p> <p>LSI will fabricate, on special order, dichroic glass color filters in most sizes and shapes not exceeding a 13" diameter circle overall.</p> <p>FS4 – Color Filter Samples</p> <p>To facilitate selection of glass color filters, LSI supplies a complete set of 1 3/4" X 1 3/4" labeled glass and dichroic samples in a handy carrying case.</p>				2004	Pale Pink	55
				2010	Deep Magenta	29
				2011	Lavender	24
				2012	Vivid Magenta	31
				2013	Lavender Accent	48
				2014	Lilac	37
				2015	Purple Fusion	12
				2020	Sky Blue	39
				2021	Sea Blue	39
				2022	Cyan	33
				2023	Light Blue Green	30
				2024	Primary Blue	24
				2025	Medium Red Blue	15
				2026	Deep Purple	16
				2027	Peacock Blue	53
				2028	Mediterranean Blue	20
				2029	Boost Blue	51
				2040	Light Yellow Green	64
				2041	Fern Green	47
				2042	Turquoise	35
2043	Primary Green	31				
2044	Industrial Green	64				
2050	Yellow	80				
2051	Amber	71				
2052	Amber Blush	38				
2053	Bastard Amber	71				
2054	Goldenrod	63				
2055	Bright Straw	56				
2060	Medium Orange	51				
2061	Orange	44				
2070	Flame Red	27				
2071	Primary Red	25				