

# 290 SERIES • 120V • PAR38



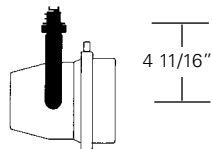
**Lightweight and small-sized, this spotlight will fit comfortably in any interior space where high-intensity light is needed.**

- 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.

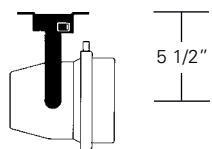


### 290-BUS

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

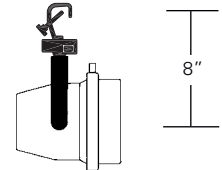
### 290-2G

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.



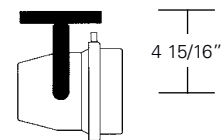
### 290-3G

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.



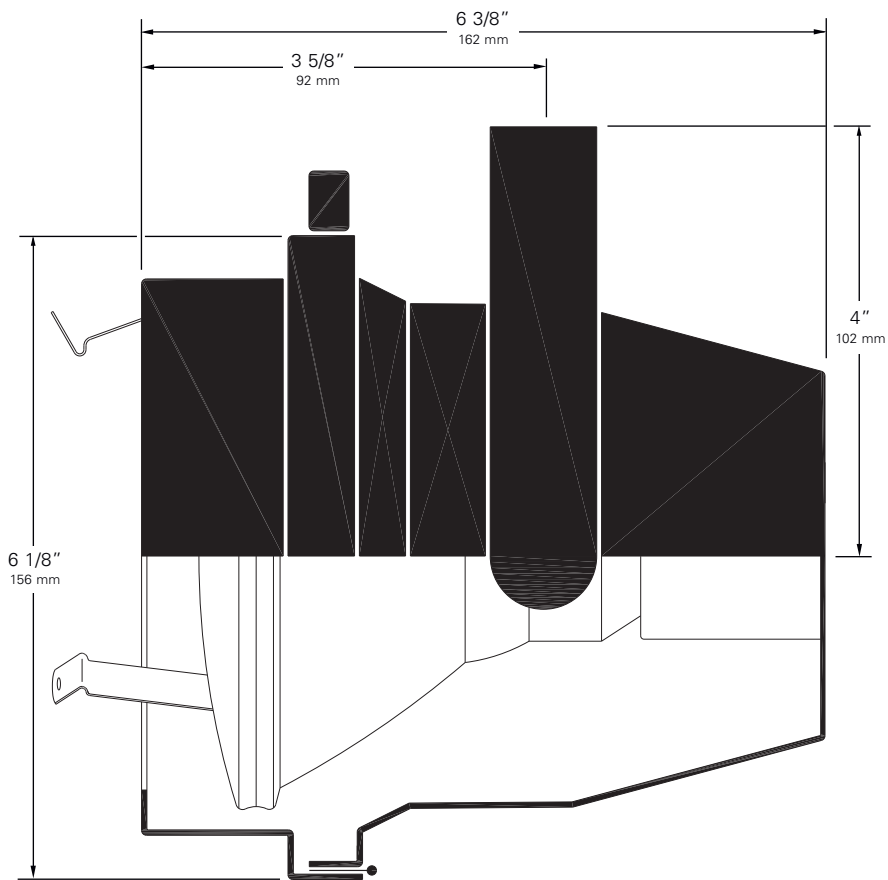
### 290-5

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**

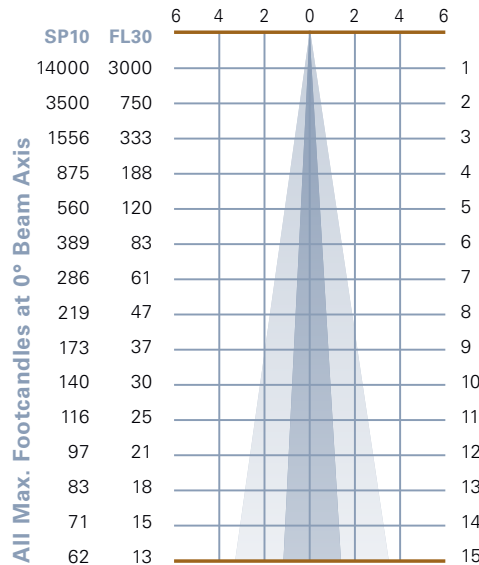
**100PAR/HIR/FL25** 100 watt, 3000 hrs  
 Beam spread to 50% of CBCP **25°**  
 Center beam candlepower **6300**  
 Color temperature (Kelvin) **2900**

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

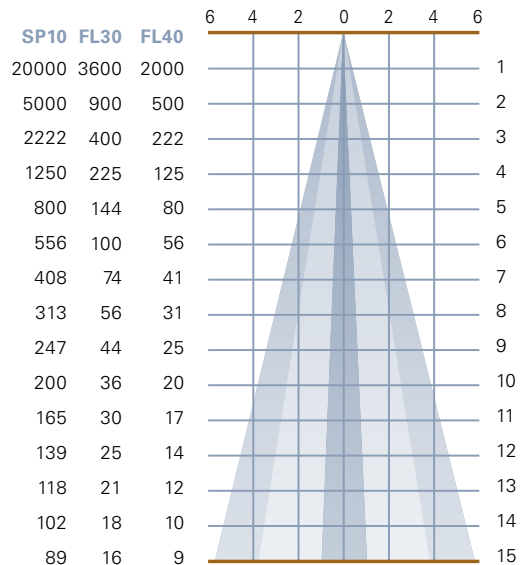
*Abbreviations used:*

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

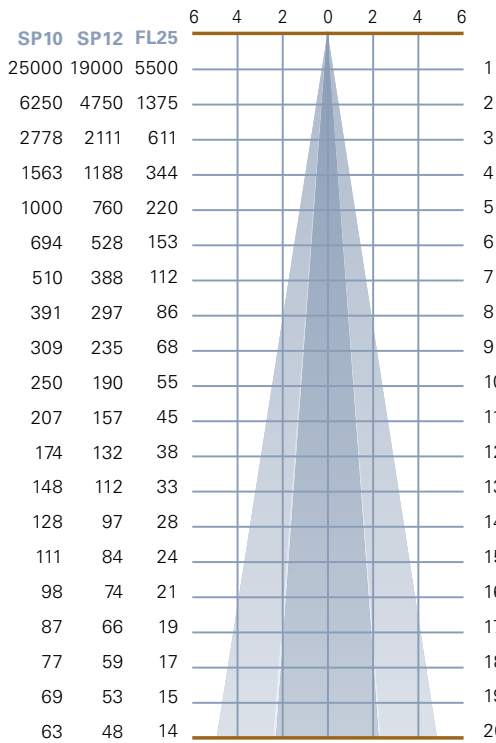
All Distances in Feet



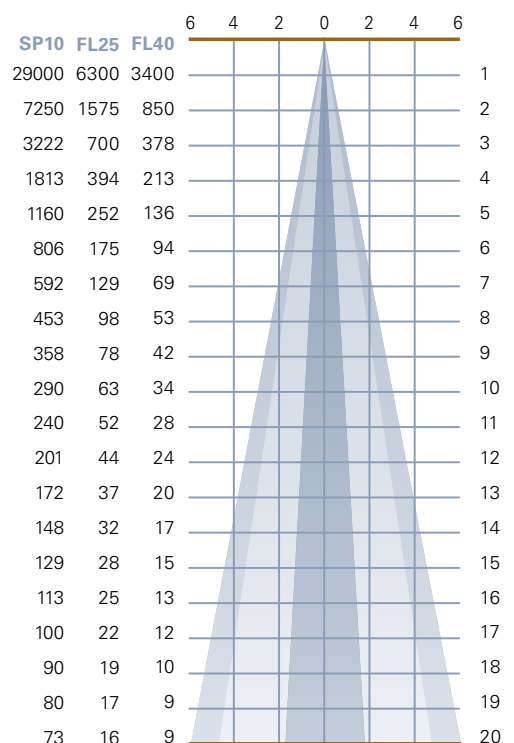
**50PAR/HIR/SP10 10°**  
**50PAR/HIR/FL30 30°**



**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°**

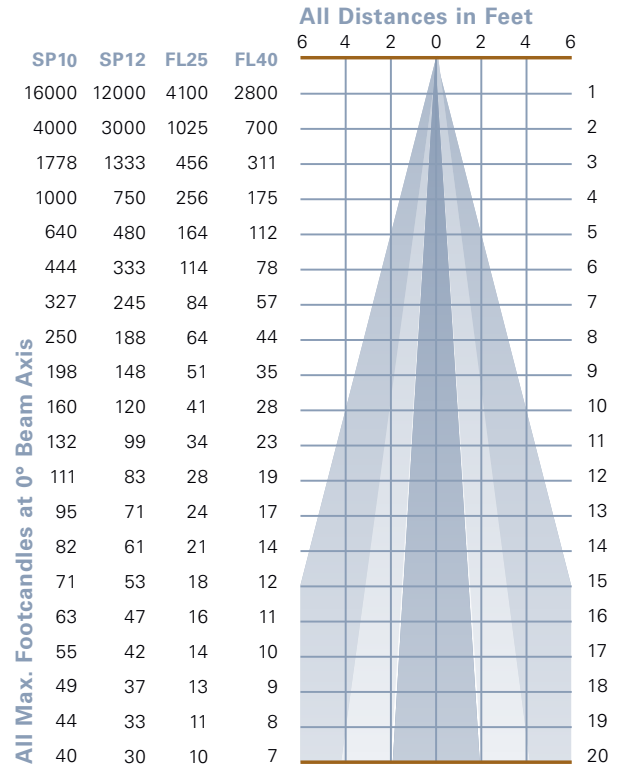
# LINE VOLTAGE LAMPS • PAR38

**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**

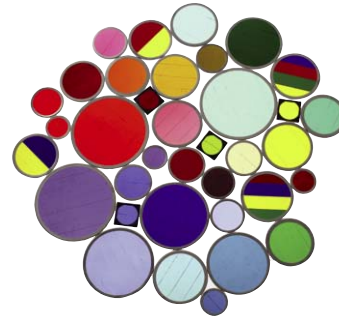


**90PAR/H/SP10 10°**  
**90PAR/HIR/SP12/XL 12°**  
**90PAR/H/FL25 25°**  
**90PAR/HIR/FL40/XL 40°**

# 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	<b>Duocolor® Filters</b>		<b>902</b>	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.		<b>903</b>	Deep Pink	37
C	4 3/4"	200, 238, 290, GR38, LN38, CX38	<b>No.</b>	<b>Glass Colors Used</b>	<b>904</b>	Flesh Pink	73
<b>Special Glass Color Filters</b>			770	910/944	<b>906</b>	Pale Lavender	14
LSI will fabricate, on special order, glass color filters in most sizes and shapes.			771	910/921	<b>907</b>	Surprise Pink	19
<b>FS4 – Color Filter Samples</b>			772	910/930	<b>908</b>	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	<b>910</b>	Warm Red	10
<b>Multicolor® Filters</b>			774	921/930	<b>911</b>	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	<b>912</b>	Ruby	4
<b>No.</b>	<b>Glass Colors Used</b>		776	910/948	<b>913</b>	Magenta	1
760	910/930/944/921		<b>Notes:</b>		<b>914</b>	Light Amethyst	25
761	910/930/921/944		1. Values given are approximate due to slight variations in glass color and thickness.		<b>915</b>	Medium Amethyst	16
762	944/921/910/930				<b>916</b>	Deep Amethyst	4
763	944/930/910/921				<b>917</b>	Olive	18
764	921/944/910/930				<b>918</b>	Light Green	68
					<b>920</b>	Medium Green	25
					<b>921</b>	Deep Green	7
					<b>922</b>	Silver green	65
					<b>923</b>	Yellow Green	49
					<b>924</b>	Emerald Green	12
					<b>925</b>	Light Turquoise	68
					<b>926</b>	Medium Turquoise	40
					<b>927</b>	Deep Turquoise	17
					<b>928</b>	Light Blue	34
					<b>930</b>	Medium Blue	3
					<b>932</b>	Daylight	59
					<b>933</b>	Gene Moore Blue	18
					<b>936</b>	Grey	56
					<b>937</b>	Light Blue Green	17
					<b>939</b>	Light Amber	68
					<b>940</b>	Medium Amber	48
					<b>941</b>	Deep Amber	43
					<b>942</b>	Straw	78
					<b>943</b>	Gold	87
					<b>944</b>	Canary Yellow	84
					<b>945</b>	Lemon	81
					<b>946</b>	Pumpkin	32
					<b>947</b>	Tangerine	20
					<b>948</b>	Orange	23
					<b>949</b>	Pink Gold	54
					<b>950</b>	Bronze	48
					<b>951</b>	Brass	11
					<b>952</b>	Autumn Tan	11
					<b>953</b>	Leaf Brown	19
					<b>954</b>	Butter Pecan	3
					<b>955</b>	Toasted Almond	1

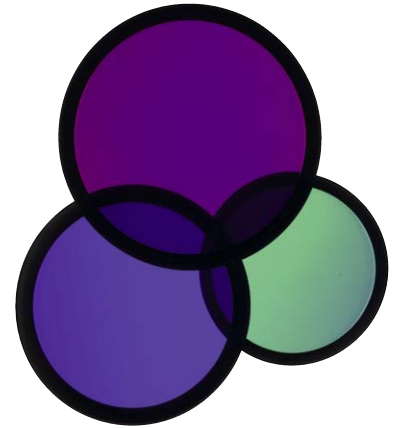
# DICHROIC COLOR MEDIA

## 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	Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.	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	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.	2003	Hot Pink	11
				2004	Pale Pink	55
			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.	2010	Deep Magenta	29
				2011	Lavender	24
			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.	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