TLL70
FLOOD
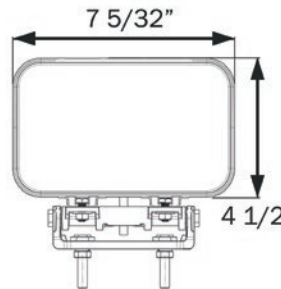
WIDE ANGLE BEAM

4800 RAW | 3360 EFFECTIVE
LUMEN OUTPUT

- Contoured lens produces wide angle beam
- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

5" 4 3/8"
5 3/8"

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL70FB	TLL70FBP	Wide angle, flood beam	12-24VDC	6 SMD	1

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.41 lbs. / 4.375" W x 5.375" H x 2.625" D
VOLT/AMP	12.8VDC - 2.8A, 24.0VDC - 1.43A
WARRANTY	Lifetime LED Warranty

TLL56
TLL57
FLOOD

4000 RAW | 2800 EFFECTIVE
## LUMEN OUTPUT

- Die cast aluminum housing and mounting bracket with powder coat finish, polycarbonate lens, stainless steel hardware
- 16AWG, 20" leads
- IP69K rating
- Shock mount model designed for especially harsh applications

7 5/32" 4 1/2"

shock mount bracket detail

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL56FB	TLL56FBP	Flood beam	12-24VDC	8 SMD	1
TLL57FB	TLL57FBP	Flood beam, shock mount	12-24VDC	8 SMD	1

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	3.53 lbs. / 7.161" W x 6.093" H x 4.313" D
VOLT/AMP	12.8VDC - 3.7A, 24.0VDC - 2.0A
WARRANTY	Lifetime LED Warranty

3200 RAW | 2240 EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
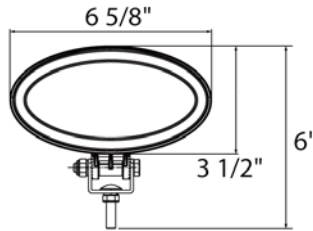- IP69K rating

TLL64 FLOOD

4 3/16"
5"
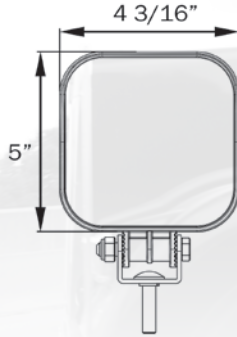
BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL64FB	TLL64FBP	Flood beam	12-24VDC	4 SMD	2

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.41 lbs. / 4.187" W x 5.375" H x 3" D
VOLT/AMP	12.8VDC - 2.9A, 24.0VDC - 1.5A
WARRANTY	Lifetime LED Warranty

2400 RAW | 1680 EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- Third wire activates glow ring for area light
- 14AWG, 10" leads
- IP69K rating

TLL149 FLOOD

6 5/8"
6"
3 1/2"

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL149FB	TLL149FBP	Flood beam	12-24VDC	10 SMD	1

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	.95 lbs. / 6.625" W x 3.5" H x 2.665" D
VOLT/AMP	12.8VDC - 2.05A, 24.0VDC - .97A
WARRANTY	Lifetime LED Warranty

TLL55 FLOOD

2160 RAW | 1510 EFFECTIVE
LUMEN OUTPUT

- Contoured lens produces wide angle beam
- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

WIDE ANGLE BEAM

4 7/8"
4 15/32"

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL55FB	TLL55FBP	Flood beam	12-24VDC	9 SMD	1

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.35 lbs. / 4.875" W x 6.5" H x 2.0" D
VOLT/AMP	12.8VDC - 1.5A, 24.0VDC - .73A
WARRANTY	Lifetime LED Warranty

TLL46 FLOOD

2160 RAW | 1492 EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

5"
4 1/2"

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL46CFB	TLL46CFBP	Flood beam	12-24VDC	9 SMD	3

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.50 lbs. / 5" W x 5.75" H x 2.375" D
VOLT/AMP	12.8VDC - 1.65A, 24.0VDC - 1.0A
WARRANTY	Lifetime LED Warranty

TLL71 FLOOD

2160 RAW | 1490 EFFECTIVE
LUMEN OUTPUT

- Contoured lens produces wide angle beam
- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

WIDE ANGLE BEAM

4"
4 3/4"
5"

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL71FB	TLL71FBP	Flood beam	12-24VDC	9 SMD	3

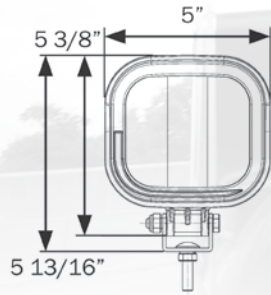|	
MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.41 lbs. / 4" W x 5" H x 2.25" D
VOLT/AMP	12.8VDC - 1.43A, 24.0VDC - .66A
WARRANTY	Lifetime LED Warranty

2160 RAW | 1490 EFFECTIVE
LUMEN OUTPUT

- Contoured lens produces wide angle beam
- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting bracket and hardware
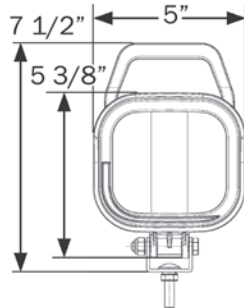- 14AWG, 10" leads
- IP69K rating

TLL72 FLOOD

WIDE ANGLE BEAM

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL72FB	TLL72FBP	Flood beam	12-24VDC	9 SMD	3

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.5 lbs. / 5" W x 5.375" H x 2.25" D
VOLT/AMP	12.8VDC - 1.43A, 24.0VDC - .66A
WARRANTY	Lifetime LED Warranty

2160 RAW | 1490 EFFECTIVE
LUMEN OUTPUT

- Contoured lens produces wide angle beam
- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting bracket and hardware
- Built in handle and switch
- 14AWG, 10" leads
- IP69K rating

TLL73 FLOOD

WIDE ANGLE BEAM

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL73FB	TLL73FBP	Flood beam	12-24VDC	9 SMD	3

MATERIALS	Polycarbonate lens and handle, aluminum housing, stainless steel hardware
WT/DIMS	1.61 lbs. / 5" W x 7.5" H x 3.25" D
VOLT/AMP	12.8VDC - 1.43A, 24.0VDC - 0.66A
WARRANTY	Lifetime LED Warranty

TLL54
SPOT

5"

4 1/2"
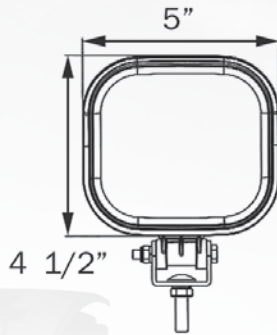
2160 | 1484
RAW EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL54TB	TLL54TBP	Spot beam	12-24VDC	9 SMD	5

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.51 lbs. / 5" W x 5.75" H x 2.375" D
VOLT/AMP	12.8VDC - 1.50A, 24.0VDC - .73A
WARRANTY	Lifetime LED Warranty

TLL46
SPOT

5"

4 1/2"

2160 | 1346
RAW EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
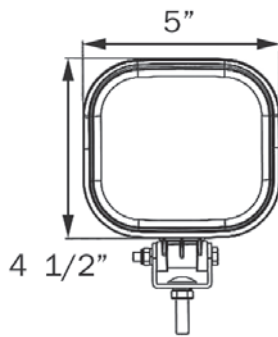- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL46TB	TLL46TBP	Spot beam	12-24VDC	9 SMD	3

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.50 lbs. / 5" W x 5.75" H x 2.375" D
VOLT/AMP	12.8VDC - 1.50A, 24.0VDC - .73A
WARRANTY	Lifetime LED Warranty

1920 RAW | 1295 EFFECTIVE LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting bracket and hardware
- 14AWG, 10" leads
- IP69K rating

TLL45 FLOOD

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL45FB	TLL45FBP	Flood beam	12-24VDC	8 SMD	3

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.39 lbs. / 4.5" W x 5.75" H x 2" D
VOLT/AMP	12.8VDC - 1.50A, 24.0VDC - .67A
WARRANTY	Lifetime LED Warranty

Ø 4 1/2"

1440 RAW | 1036 EFFECTIVE LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

TLL48 FLOOD

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL48FB	TLL48FBP	Flood beam	12-24VDC	6 SMD	5

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.14 lbs. / 4.125" W x 5.281" H x 2.125" D
VOLT/AMP	12.8VDC - 1.52A, 24.0VDC - .5A
WARRANTY	Lifetime LED Warranty

4 1/8"
4 7/8"

1440 RAW | 1028 EFFECTIVE LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 14AWG, 10" leads
- IP69K rating

TLL44 FLOOD

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL44FB	TLL44FBP	Flood beam	12-24VDC	6 SMD	2

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	.98 lbs. / 4" W x 5.125" H x 2.375" D
VOLT/AMP	12.8VDC - 1.1A, 24.0VDC - .5A
WARRANTY	Lifetime LED Warranty

4"

TLL60
FLOOD

1440 RAW | **865** EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting bracket and hardware
- 14AWG, 10" leads
- IP69K rating

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL60FB	TLL60FBP	Flood beam	12-24VDC	6 SMD	5

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	.95 lbs. / 6" W x 3.25" H x 2.438" D
VOLT/AMP	12.8VDC - 1.1A, 24.0VDC - .5A
WARRANTY	Lifetime LED Warranty

TLL30
FLOOD

960 RAW | **670** EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting hardware
- 16AWG, 20" leads
- IP69K rating

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL30FB	TLL30FBP	Flood beam	12-24VDC	4 SMD	2

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	1.468 lbs. / 3.27" W x 4.5 H x 2.375" D
VOLT/AMP	12.8VDC - .75A, 24.0VDC - .37A
WARRANTY	Lifetime LED Warranty

TLL51
FLOOD

800 RAW | **560** EFFECTIVE
## LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting bracket and hardware
- 14AWG, 10" leads
- IP69K rating

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL51FB	TLL51FBP	Flood beam	12-24VDC	1 SMD	10

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	.37 lbs. / 2" W x 3" H x 2.5" D
VOLT/AMP	12.8VDC - .85A, 24.0VDC - .41A
WARRANTY	Lifetime LED Warranty

Opti-Brite™

720 RAW | 464 EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Stainless steel mounting bracket and hardware
- 14AWG, 10" leads
- IP69K rating
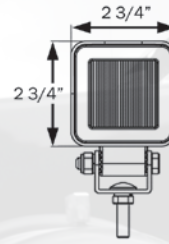
TLL52 FLOOD

TLL52FB

TLL52FWB

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL52FB	TLL52FBP	Flood beam, black housing	12-24VDC	3 SMD	10
TLL52FWB	TLL52FWBP	Flood beam, white housing	12-24VDC	3 SMD	10

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	.38 lb. / 2.75" W x 4" H x 1.687" D
VOLT/AMP	12.8VDC - .6A, 24.0VDC - .3A
WARRANTY	Lifetime LED Warranty

324 RAW | 252 EFFECTIVE
LUMEN OUTPUT

- Corrosion proof polycarbonate lens and housing
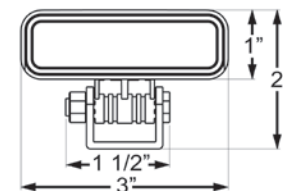- Stainless steel hardware
- 22AWG, 10" leads
- IP69K rating
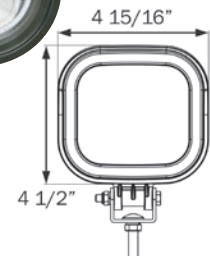
TLL50 FLOOD

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL50FB	TLL50FBP	Flood beam	12-24VDC	9 SMD	3

MATERIALS	Polycarbonate lens, polycarbonate housing, stainless steel hardware
WT/DIMS	.96 lbs. / 4.938" W x 5.75" H x 2.375" D
VOLT/AMP	12.8VDC - .53A, 24.0VDC - .28A
WARRANTY	Lifetime LED Warranty

270 RAW | 150 EFFECTIVE
LUMEN OUTPUT

- Die cast aluminum housing with powder coat finish
- Polycarbonate lens
- Compact design – only three inches wide by two inches high

TLL80 FLOOD

BULK P/N	POLYPACK P/N	DESCRIPTION	VOLTAGE RANGE	DIODES	CASE QTY
TLL80FB	TLL80FBP	Flood beam, black housing	12VDC	6 SMD	5

MATERIALS	Polycarbonate lens, aluminum housing, stainless steel hardware
WT/DIMS	.7 lbs. / 3" W x 2" H x 1.563" D
VOLT/AMP	12.8VDC - 0.19A
WARRANTY	Lifetime LED Warranty

Raw Lumen	**4800**	**4000**	**3200**	**2400**	**2160**	**2160**	**2160**	**2160**	**2160**
Effective Lumen	**3360**	**2800**	**2240**	**1680**	**1510**	**1492**	**1490**	**1490**	**1490**
Bulk P/N	TLL70FB	TLL56FB	TLL64FB	TLL149FB	TLL55FB	TLL46CFB	TLL71FB	TLL72FB	TLL73FB
LEDS	6 SMD	8 SMD	4 SMD	10 SMD	9 SMD	9 SMD	9 SMD	9 SMD	9 SMD
Beam	Flood	Flood	Flood	Flood	Flood	Flood	Flood	Flood	Flood
Lens	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate
Housing	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hardware	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Weight	1.41 lbs.	3.53 lbs.	1.41 lbs.	.95 lbs.	1.35 lbs.	1.50 lbs.	1.41 lbs.	1.5 lbs.	1.61 lbs.
Dims	4.375"W 5.375"H 2.625"D	7.161"W 6.093"H 4.313"D	4.187"W 5.375"H 3.0"D	6.625"W 3.5"H 2.665"D	4.875"W 6.5"H 2.0"D	5.0"W 5.75"H 2.375"D	4.0"W 5.0"H 2.25"D	5.0"W 5.375"H 2.25"D	5.0"W 7.5"H 3.25"D
IP Rating	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K
Amp Draw 12.8VDC	2.8A	3.7A	2.9A	2.05A	1.5A	1.65A	1.43A	1.43A	1.43A
Amp Draw 24VDC	1.43A	2A	1.5A	.97A	.73A	1.0A	.66A	.66A	.66A

– Wide Angle Beam

Flood Beam Pattern

Spot Beam Pattern
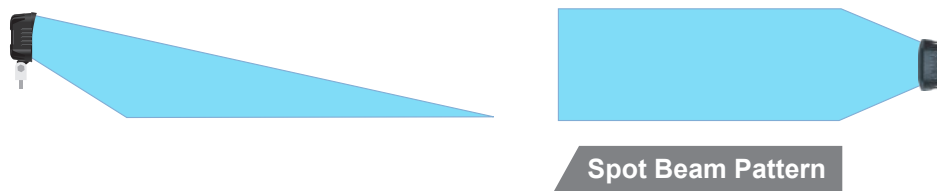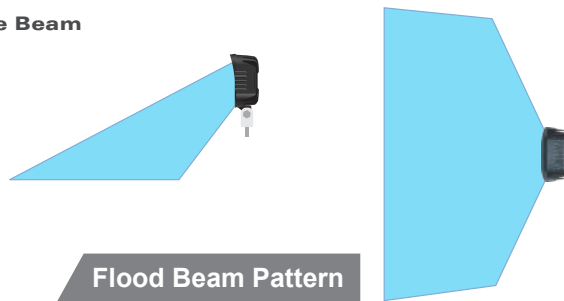
IP69K RATING

Highest designation available for water ingress testing, offering increased reliability and service life when subjected to severe environmental conditions or cleaning methods.

Opti-Brite™

HEAVY DUTY CONSTRUCTION FOR DURABILITY AND PERFORMANCE

2160	2160	1920	1440	1440	1440	960	800	720	324	270
1484	1346	1295	1036	1028	865	670	560	464	252	150
TLL54TB	TLL46TB	TLL45FB	TLL48FB	TLL44FB	TLL60FB	TLL30FB	TLL51FB	TLL52FB	TLL50FB	TLL80FB
9 SMD	9 SMD	8 SMD	6 SMD	6 SMD	6 SMD	4 SMD	1 SMD	3 SMD	9 SMD	6 SMD
Spot	Spot	Flood	Flood	Flood	Flood	Flood	Flood	Flood	Flood	Flood
Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate	Poly-carbonate
Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Poly-carbonate	Aluminum
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
1.51 lbs.	1.50 lbs.	1.39 lbs.	1.14 lbs.	.98 lbs.	.95 lbs.	1.468 lbs.	.37 lbs.	.38 lbs.	.96 lbs	.7 lbs
5.0"W 5.75"H 2.375"D	5.0"W 5.75"H 2.375"D	4.5"W 5.75"H 2.0"D	4.125"W 5.281"H 2.125"D	4.0"W 5.125"H 2.375"D	6.0"W 3.25"H 2.438"D	3.27"W 4.5"H 2.375"D	2.0"W 3.0"H 2.5"D	2.75"W 4.0"H 1.687"D	4.938"W 5.75"H 2.375"D	3.0"W 2.0"H 1.563"D
IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP69K	IP55
1.5A	1.5A	1.5A	1.5A	1.1A	1.1A	.75A	.85A	.6A	.53A	.19A
.73A	.73A	.67A	.5A	.5A	.5A	.37A	.41A	.3A	.28A	NA

Lumen Ratings

The **raw lumen** output of a light is calculated by taking the number of LEDs in a light and multiplying that by their maximum output rating. The resulting value does not include real-world factors that can decrease light output by as much as 75 percent.

Effective lumens is an actual measurement of light output that takes into account thermal losses, current used to drive the LEDs, optical losses, and assembly variations. Measuring the effective lumen output of a light requires the use of high-tech photometry equipment.

SMD LED TECHNOLOGY

- Fewer connection points, fewer corrosion points
- Automated manufacturing increases production efficiency
- Thinner, more compact designs fit more applications
- Improved heat distribution increases component life

Optronics

BETTER VALUE
BETTER OPTIONS
BETTER LIGHTING

Optronics

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