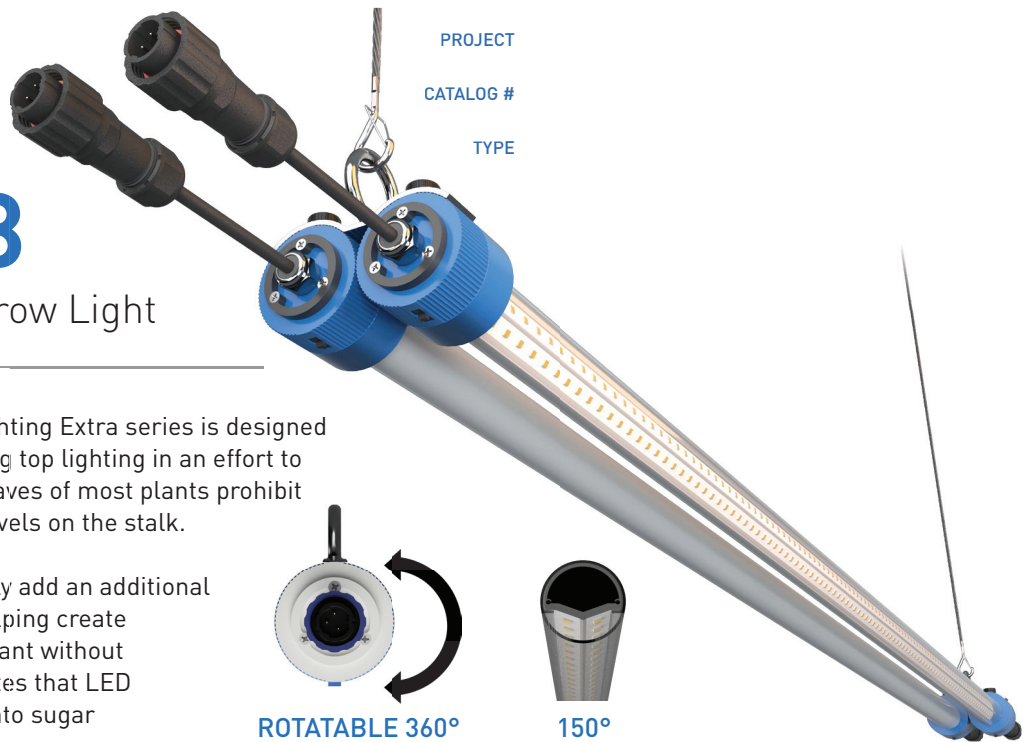


# EXTRA-48

## Rotatable Inter-Canopy Grow Light

SpecGrade LED's bi-directional inter-lighting Extra series is designed and engineered to supplement the existing top lighting in an effort to increase yields from 10% to 20%. The leaves of most plants prohibit the PAR from top lighting to reach the levels on the stalk.

Our aim-able inter-lighting will surgically add an additional 110+  $\mu\text{mol/s}$  where it is needed most helping create consistently a more vital and stronger plant without adding significant heat. Research indicates that LED light can more efficiently be converted into sugar creating a healthier plant.



PROJECT  
CATALOG #  
TYPE



**ROTATABLE 360°**  
(30° Increments)



**150° BEAM**



### PRECISION

The Rotatable Functionality Allows for Delivering Photons with Uniformity and Precision

### ENGINEERING

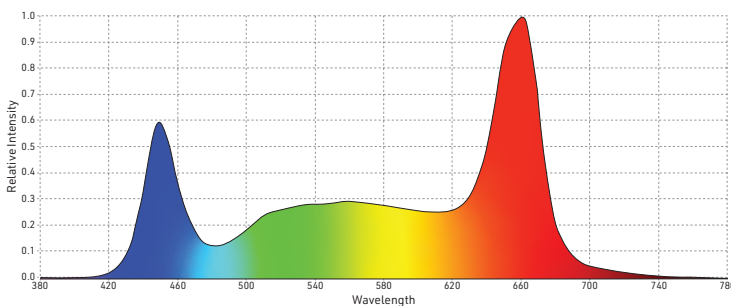
Proprietary Thermal Management System Radiates Less Heat

### Ordering Information

EXTRA	60	M1	V01
<b>SERIES</b>	<b>MODEL</b>	<b>SPECTRUM</b>	<b>INPUT VOLTAGE</b>
<b>EXTRA</b>	<b>48</b>	<b>M1</b>	<b>V01 (100-277V)</b>

EXAMPLE PART #: EXTRA - 48 - M1 - V01

### Available Spectrum



M1 Spectrum

### Mounting Option

CR | Clip Ring Installation (Standard)



# EXTRA-48

## Rotatable Inter-Canopy Grow Light

### Specifications

#### Performance

PPF ±5% | 100 µmol/s  
 System Power ±5% | 48W  
 Efficacy | 2.2 µmol/s  
 Optic | 150° Distribution  
 Spectrum | M1  
 Thermal | 100% Passsive  
 Expected Life | L90 > 50000 hrs.

#### Materials

LEDs | Proprietary Blend of  
 Broad Spectrum White and  
 660nm Red Chips  
 Material | Polycarbonate  
 Heat Sink | AL6061

#### Listings

Rating | IP66  
 Safety | ETL Listed per UL 8800,  
 UL 1598, UL 8750  
 Ingress Rating | IP66  
 Impact Rating | IK10  
 NEMA Rating | NEMA 4X  
 FCC Compliance | Compliant to 47 CFR  
 FCC Part 15 Subpart B

#### Electrical

Voltage | 100-277VAC (V01),  
 Dimming | 0-10V  
 Power Factor | >0.95  
 Total Harmonic Distortion (THDi) | <15%  
 Driver | Integral

#### Warranty

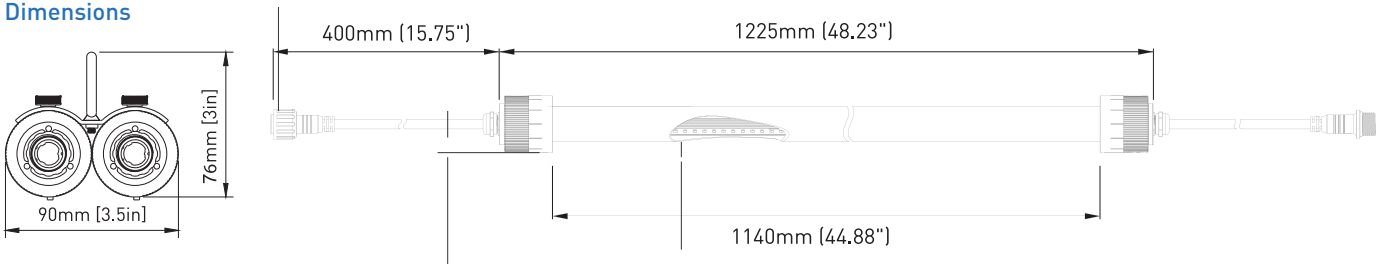
LEDs | 5 Years  
 Drivers | 5 Years

#### Misc

Weight | 3.0 lbs  
 Dimensions | 48.27 in. X 3.5 in. X 3.0 in.  
 Finish | Blue/White  
 Mounting | Clip Ring (std.)  
 Rotation Range | 360-Degrees in  
 30-Degree Increments  
 Flicker Free  
 Daisy-Chain-able

### Product Data

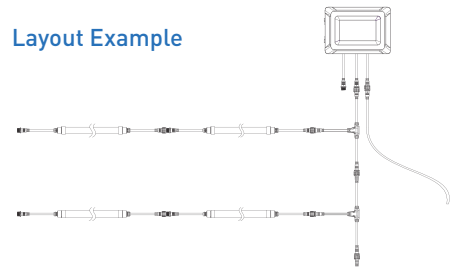
#### Dimensions



#### Maximum Amperage By Voltage Service

Voltage	120V	208V	240V	277V
Amperage	0.4	0.23	0.2	0.17

#### Layout Example



### Controls



09:35 3/28/2019

Brightness Option Settings

Current Brightness:	50%	50%
Current Day:	0	0
Total Days:	15	15
Working mode:		
Timing Table:	3/28/2019	3/28/2019
Starting time:	Month Day Year	Month Day Year

09:35 3/28/2019

L1 L2 Back

Turn on Turn off Dim up Dim down

Month Day Year Start L1+L2-Table:

Start Day	End Day	Hour	Min	Light Level	Ramp Minutes	
1	1	7	1	45	50	15
2	1	7	10	45	100	15
3	1	7	23	0	0	15
4	8	52	6	45	65	15
5	8	52	10	45	10	15
6	8	52	23	0	0	15
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0

Save Clear Page 1/10 Exit