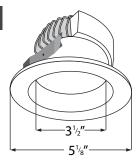


4" LED Recessed Module 850 Lumens

PROJECT:		
MODEL #:		
LOCATION:		
CONTACT:		



DIMENSIONS



USE OF PRODUCT

The Versatrim RFL4 Series is the ideal product for energy efficient lighting in existing, remodel, or new construction housings. This product may be used in hospitality, health care, commercial, retail, and residential applications. The Versatrim will reduce energy consumption, emits little heat, and reduces cooling loads fo added costs savings. Approximately 75% in energy savings compared to incandescent light source.

VERSATRIM FEATURES

- Watts: 12 W
- Lumens: 850 Lumens
- Voltage: (120V standard); 120-277V (with optional 0-10V dimming driver)
- Color Temperature: Warm dim(3000K 1800K) Color Rendering Index: 90+ CRI Typical
- SDCM: 3 Step binning
- LED Life: 50,000 hours
- Versatility: Interchangeable baffle, reflector, and trim ring in round and square
- EM Battery: 90 min, 800 lumens only Warranty: 5 Year Limited Warranty
- Wet Location Certified

LED DRIVER

Durable 120V dimmable driver provides high power factor with the optimum thermal management to prevent damage caused by high temperature. Driver protections include: output open load, over-current and short circuit, and over temperature with auto recovery.

DIMMING

Available in 8 driver selections. Standard Triac/ELV, 120V. (018) 0-10V dimming in 800 lumens, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V.

ELECTRICAL CONNECTION

LED module quick connect allows easy connection to Rayon LED housing. Optional edison screw base or GU24 adaptor available for retrofit applications.

Emergency Battery

Optional emergency battery with up to 90 minute illumination time. 800 lumens only.

MOUNTING

Torsion springs supplied for convenient mounting to existing, remodel, or new construction housing.

MODULE MECHANICS

The RFL4 Series is constructed of durable heat sink, baffle/reflector, trim ring, diffused lens and Cree LEDs for optimum performance. Interchangeable round or square baffle, reflector, and trim ring are designed for convenient color selection and replacement in the field. Diffused, polycarbonate, impact-resistant lens provides for even light output, glare control, and conceals LEDs from view

LABELS/COMPLIANCE

- -CSA Classified for wet location
- -LM79 and LM80
- -Can be used for state of California
- Title 24 compliance
- JA8 Certified

















ORDERING INFO

RFL4 8L Color Temp. Baffle Reflector Trim Lumens Dimming Leave blank - Triac/ELV RFL4 8L - 850 Lumens (120V) **WD** - Warm Dim ROUND (3000K-1800K) 018 - 0-10V Dimming (800 lumens) 4BLW - White 4RLW - White 4TLW - White PEQO - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming 4BLSN - Satin Nickel 4RLCH - Chrome 4TLSN - Satin Nickel LDE1¹ - Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming 4BLC - Copper 4RLSN - Satin Nickel 4TLC - Copper LTE^{1,2} - Hi-Lume 1% 2-wire 4BLB - Black 4RLC - Copper 4TLB - Black L3DA¹ - Hi-lume 1% EcoSystem/3-Wire L3D Driver 4BLBZ - Bronze 4RLB - Black 4TLBZ - Bronze 4TLH - Haze 4RLBZ - Bronze EEI^{1,3} - eldoLED Eco 1% Dim (0-10V) EDIO^{1,3} - eldoLED Solo 0.1% Dim (0-10V) 4RLH - Haze 4TLCX - Custom 4RLCX - Custom EDID^{1,3} - eldoLED Solo 0.1% Dim (DALI) SQUARE 4SBLW - White 4SRLW - White 4STLW - White . Requires dedicated housing. Options 4SRLB - Black 4STLB - Black 4SBLB - Black 4SRLH - Haze 4STLH - Haze SBA - Screw base adapter (Included) 3. Must specify logarithmic or linear 4SRLSN - Satin Nickel 4STLSN - Satin Nickel eldoLED diver. **G-24** - GU24 adapter 4SRI CH - Chrome 4STI R7 - Bronze 277SDT¹ - 277V Step down transformer 4SRLBZ - Bronze 4STLCX - Custom 4SRLCX - Custom **347SDT** - 347V Step down transformer EM - Emergency back-up



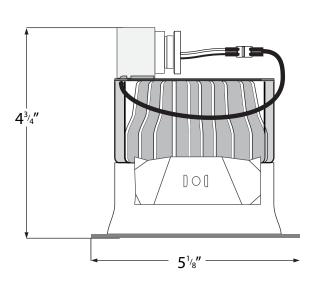


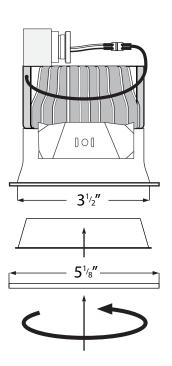
RFL4

4" LED Recessed Module 800 Lumens

	PROJECT:
	MODEL#:
h	LOCATION:
	CONTACT:

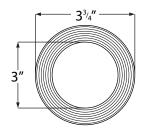
RETROFIT DIMENSIONS

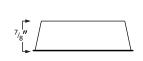




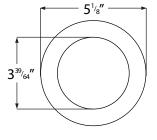
Round

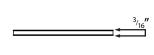
Baffle/Reflector





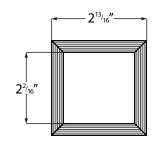
Trim





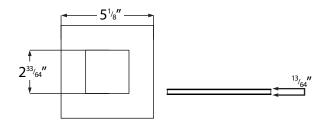
Square

Baffle/Reflector





Trim





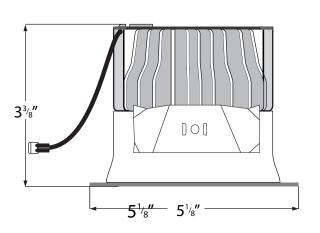


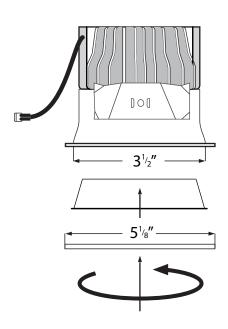
RFL4

4" LED Recessed Module 800 Lumens

PROJECT:		
MODEL #:		
LOCATION:		
CONTACT:		

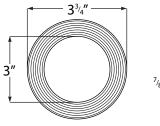
NEW CONSTRUCTION/REMODEL DIMENSIONS





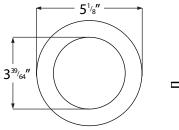
Round

Baffle/Reflector





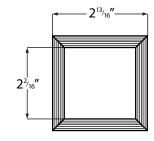
Trim

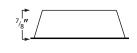




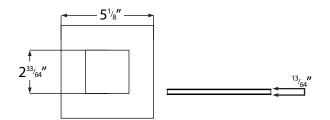
Square

Baffle/Reflector





Trim





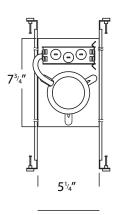


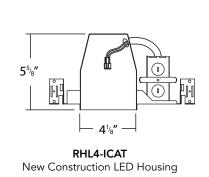
RFL4

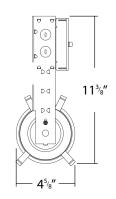
4" LED Recessed Module 800 Lumens

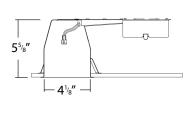
PROJECT:
MODEL #:
LOCATION:
CONTACT:

COMPATIBLE RAYON 4" HOUSING

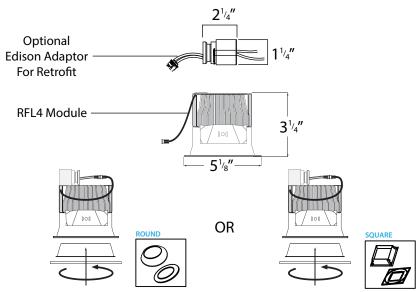








RHL4R-ICAT Remodel LED Housing







RHL4-ICAT

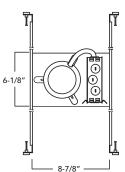
4" IC Air-tight New Construction LED Housing

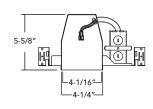
PRUJEGI:
MODEL#:
LOCATION:

CONTACT:









USE OF PRODUCT

The RHL4-ICAT is the ideal product for general purpose recessed LED housing for residential, commercial, hospitality, health care, restaurant and retail applications. This product is compatible with the Versatrim RFL4 Series in round or square in various baffle, reflector, and trim ring color selections to achieve a particular look.

CONSTRUCTION

- Minimum Clearance Rated for IC/ Non IC application. "IC" or insulated ceiling housings are rated for direct contact with insulation. No minimum clearance is required.
- Ceiling Thickness Up to 1¼.
 Bar Hangers Bar Hangers are adjustable from 13-5/8 to 25" and can be repositioned to 90° on plaster frame. Pre-installed"real nail"
- easily installs in regular lumber, engineered lumber
 Junction Box Junction box is listed for through branch circuit
 wiring and contains seven 7/8" knockouts and four ROMEX pryouts with Romex cable clamp. Ground wire provided on J-Box.
- New Construction Frame Galvanized steel construction.
- Connection Quick connect provided for easy connection to VersaTrim RFL4 Series LED module

to meet non-screw base socket requirements per California Title

DIMMING

Available in 11 driver selections. Standard Triac/ELV, 120V. (018) 0-10V dimming in 800 lumens, 120-277V. (011) 0-10V dimming in 1100 lumens, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (PEQ1) Lutron Hi-Lume Premier 1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LDE5) Lutron Hi-Lume 5% Ecosystem, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V.

EMERGENCY

Optional emergency back-up may be ordered separately. Unit operates for 90 minutes with LED modules up to 20 Watts and is Damp location rated, 120/277AC operational.

MODULE COMPATIBILITY

RHL4-ICAT is compatible with the Versatrim RFL4 Series in round or square in various baffle, reflector, and trim ring color selections to achieve appearance of choice

LABELS/COMPLIANCE

cUL listed for Wet location Certified under ASTM-283 for Air-Tight Construction Title 24 Compliant











ORDERING INFO

RHL4-ICAT Series

RHL4-ICAT - 4" IC Air-Tight New Construction LED Housing Leave blank - Triac/ELV

018 - 0-10V Dimming (800 lumens)

PEQO - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming

Dimming

PEQ1 - Lutron Hi-lume Premier 1% w/soft on, fade to black

LDE1 - Lutron Hi-Lume 1% Ecosystem with soft on,

fade to black dimming

L3DA - Hi-lume 1% EcoSystem/3-Wire L3D Driver

EEI² - eldoLED Eco 1% Dim (0-10V) **EDID**² - eldoLED Solo 0.1% Dim (DALI) 1.120V only.

Options

277SDT - 277V Step down transformer

347SDT - 347V Step down transformert

EM - Emergency battery

2. Must specify logarithmic or linear eldoLED diver.

LDE5 - Lutron Hi- Lume 5% Ecosystem

LTE¹ - Hi-Lume 1% 2-wire

EDIO² - eldoLED Solo 0.1% Dim (0-10V)

www.rayonlighting.com info@rayonlighting.com tel: 323.446.2626

fax:323.446.2606

Specification and product availability subject to change without notice



RHL4R-ICAT

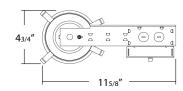
4" IC Air-tight Remodel LED Housing

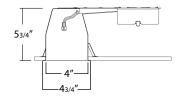
PROJECT:	
MODEL #:	
LOCATION:	
CONTACT:	



DIMENSIONS







USE OF PRODUCT

The RHL4R-ICAT is the ideal product for general purpose recessed LED housing for residential, commercial, hospitality, health care, restaurant and retail applications. This product is compatible with the Versatrim RFL4 Series in round or square in various baffle, reflector, and trim ring color selections to achieve a particular look

CONSTRUCTION

- Minimum Clearance "IC" or insulated ceiling housings are rated for direct contact with insulation. No minimum clearance is required.
- CEILING THICKNESS Up to 1½.
 BAR HANGERS Bar Hangers are adjustable from 13-5/8"to 25" and can be repositioned to 90° on plaster frame. Pre-installed "real nail" easily installs in wood or
- composite joists.

 JUNCTION BOX Junction box is listed for through branch circuit wiring and contains seven 7/8 knockouts and four ROMEX pryouts with Romex cable clamp. Ground wire provided on J-Box.
 • REMODEL FRAME Galvanized steel construction
- CONNECTION Quick connect provided for easy connection to Versatrim RFL4 Series LED module to meet non-screw base socket requirements per California Title 24.

DIMMING

Available in 11 driver selections. Standard Triac/ELV, 120V. (018) 0-10V dimming in 800 lumens, 120-277V. (011) 0-10V dimming in 1100 lumens, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (PEQ1) Lutron Hi-Lume Premier 1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LDE5) Lutron Hi-Lume 5% Ecosystem, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V.

EMERGENCY

Optional emergency back-up may be ordered separately. Unit operates for 90 minutes with LED modules up to 20 Watts and is Damp location rated, 120/277AC operational.

MODULE COMPATIBILITY

RHL4R-ICAT is compatible with the Versatrim RFL4 Series in round or square in various baffle, reflector, and trim ring color selections to achieve appearance of choice.

LABELS/COMPLIANCE

cUL listed for Wet location Certified under ASTM-283 for Air-Tight Construction Title 24 Compliant













ORDERING INFO

RHL4R-ICAT Series

RHL4R-ICAT - 4" IC Air-Tight Remodel LED Housing

Dimming Leave blank - Triac/ELV

018 - 0-10V Dimming (800 lumens)

PEQO - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on. fade to black dimming

PEQ1 - Lutron Hi-lume Premier 1% w/soft on, fade to black dimmina

LDE1 - Lutron Hi-Lume 1% Ecosystem with soft on,

fade to black dimming **LDE5** - Lutron Hi- Lume 5% Ecosystem

LTE¹ - Hi-Lume 1% 2-wire

L3DA - Hi-lume 1% EcoSystem/3-Wire L3D Driver

EEI² - eldoLED Eco 1% Dim (0-10V) EDIO² - eldoLED Solo 0.1% Dim (0-10V)

EDID² eldoLED Solo 0.1% Dim (DALI) **Options**

2. Must specify logarithmic or linear eldoLED diver.

1. 120V only.

EM - Emergency battery 277SDT - 277V Step down transformer **347SDT** - 347V Step down transformert





RHL4S-ICAT

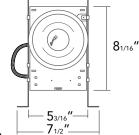
4" IC Air-tight Shallow New Construction LED Housing

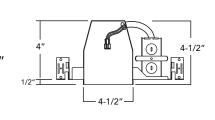
PROJECT:		
MODEL #:		
LOCATION:		
CONTACT:		



DIMENSIONS







Compatible with RFL4 800 lumen series only

USE OF PRODUCT

The RHL4S-ICAT is the ideal product for general purpose recessed LED housing for residential, commercial, hospitality, health care, restaurant and retail applications where plenum space is limited. This product is compatible with the Versatrim RFL4 800 lumens in round or square in various baffle, reflector, and trim ring color selections to achieve a particular look.

CONSTRUCTION

- Height 4" Height makes it ideal for shallow spaces.
 Minimum Clearance "IC" or insulated ceiling housings are rated. for direct contact with insulation. No minimum clearance is required.
- CEILING THICKNESS Up to 11/4.
- BAR HANGERS Bar Hangers are adjustable from 13-5/8" to 25" and can be repositioned to 90°.
- JUNCTION BOX Junction box is listed for through branch circuit wiring and contains seven 7/8 knockouts and four ROMEX pryouts with strain relief.
- PLASTER FRAME Galvanized steel construction
- CONNECTION Quick connect provided for easy connection to Versatrim RFL4 Series LED module to meet non-screw base socket requirements per California Title 24.

EMERGENCY

Optional emergency back-up may be ordered separately. Unit operates for 90 minutes with LED modules up to 20 Watts and is Damp location rated , 120/277AC operational.

MODULE COMPATIBILITY

 $\rm RHL4S\text{-}ICAT$ is compatible with the Versatrim RFL4-8L Series only in round or square in various baffle, reflector, and trim ring color selections to achieve appearance of choice.

Available in 10 driver selections. Standard Triac/ELV, 120V. (018) 0-10V dimming in 800 lumens, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277v. (PEQ1) Lutron Hi-Lume Premier 1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LDE5) Lutron Hi-Lume 5% Ecosystem, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V) 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V.

LABELS/COMPLIANCE

CSA listed for Wet location Certified under ASTM-283 for Air-Tight Construction Title 24 Compliant















ORDERING INFO

RHL4S-ICAT

Series

RHL4S-ICAT¹ - 4" IC Air-Tight Shallow New Construction LED Housing

Dimming

Leave blank - Triac/ELV

018 - 0-10V Dimming (800 lumens) PEQO - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on.

fade to black dimming PEQ1 - Lutron Hi-lume Premier 1% w/soft on, fade to black

dimmina

LDE1 - Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming

LDE5 - Lutron Hi- Lume 5% Ecosystem

LTE¹ - Hi-Lume 1% 2-wire

L3DA - Hi-lume 1% EcoSystem/3-Wire L3D Driver

EEI² - eldoLED Eco 1% Dim (0-10V) **EDIO**² - eldoLED Solo 0.1% Dim (0-10V) **EDID**² - eldoLED Solo 0.1% Dim (DALI)

Options

EM - Emergency battery

277SDT - 277V Step down transformer 347SDT - 347V Step down transformert

series only. 2. 120V only.

3. Must specify logarithmic or

linear eldoLED diver.

1. RHL4S-ICAT is compatible

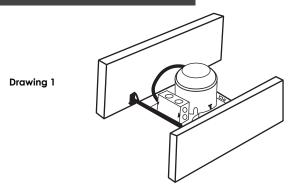
with the Versatrim RFL4-8L



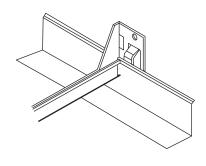
RFL4 4" LED Recessed Module 800 Lumens

PROJECT:	
MODEL#:	-
LOCATION:	
CONTACT:	-

NEW CONSTRUCTION INSTALLATION



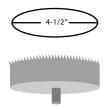
Drawing 2



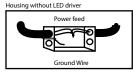
1. Fastening fixture to ceiling

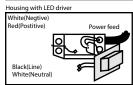
Joist-type ceiling-extend bar hangers to fit between joists. Position fixture temporarily by hammering "Nail" into joists. (Drawing 1), then secure permanently with nails. Hangers should be level with bottom of joists. Suspended (T-bar) ceilings-extend bar hangers 1" past T-bars, then rest fixture on T-bars. Secure fixture to T-bars with wire (drawing 2)

REMODEL INSTALLATION



Carefully cut a hole of 4-1/2" diameter into the ceiling.

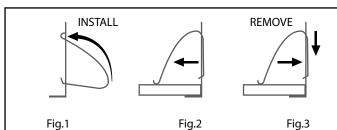




Pull supply wire through opening and make electrical connections. Refer to "electrical connections" section.

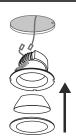


Insert the housing in ceiling cutout as illustrated.



With clips seated properly in can (fig.1)
Insert remodel housing into ceiling, junction box first.
Hold fixture up against ceiling and push chip through housing solt (fig. 2)
To lock clip in place push flat portion against side of can (fig. 2)
To release pull down on clip (fig. 3)

TRIM INSTALLATION





Final Result

Connect the male(module) into the female(Can) connector. Insert baffle/reflector into the module use trim to secure.



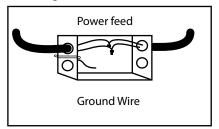


RFL44" LED Recessed Module 800 Lumens

PROJECT:	
MODEL #:	_
LOCATION:	-
CONTACT:	_

ELECTRICAL CONNECTION

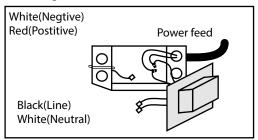
1. Housing without LED driver



Connect-

- Black Supply Voltage
- White Neutral
- Green Ground J-box wire -copper or green grounding wire

2. Housing with LED driver

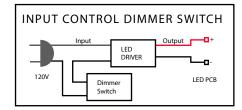


Junction box contains two wires. A black(hot+) and a white(neutral-) which must be spliced to the house current feed wire. Make sure to splice white to white and colored or black to black. After splicing has been completed, tuck splices carefully into junction box and replace cover(drawings 3)

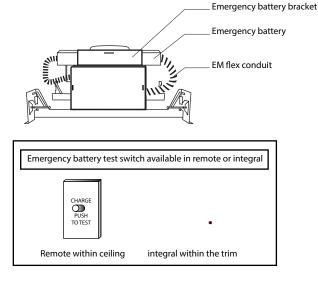
3. Grounding

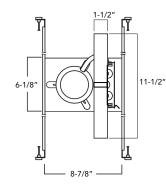
for Romex or 3 wire BX. flexible armour cable instadllations attach supply groundlead(green) to bare copper groundlead or ground screw in wiring box mounted on plaster frame. Local electrical codes should be consulted to determine acceptable installation-conduit Romex, or flexible Armour cable.

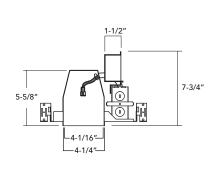
DIMMER SWITCH WIRING



EMERGENCY BATTERY DIMENSIONS











RFL44" LED Recessed Module 800 Lumens

PROJECT:	
MODEL #:	
LOCATION:	
CONTACT:	

Versatrim Photometrics

RFL4 8L Round Trim

TEST DATE	28Feb18
SERIES	RFL4
LUMENS	8L
CCT	3000K
LUMENS	773
WATTS	9.08

Characteristi

Lumens Per Lamp:	N.A. (absolute)
Total Lamp Lumens:	N.A. (absolute)
Luminaire Lumens:	773
Total Luminaire Efficiency:	N.A.
Luminaire Efficiency Rating (LER):	85
Total Luminaire Watts:	9.08
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.20
Basic Luminous shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

Lumens Per Zone -ZONE LUMENS 0-10 38.65 10-20 107.70 20-30 154.40 167.70 30-40 40-50 89.74 50-60 60-70 70-80 20.53 80-90 6.13

