

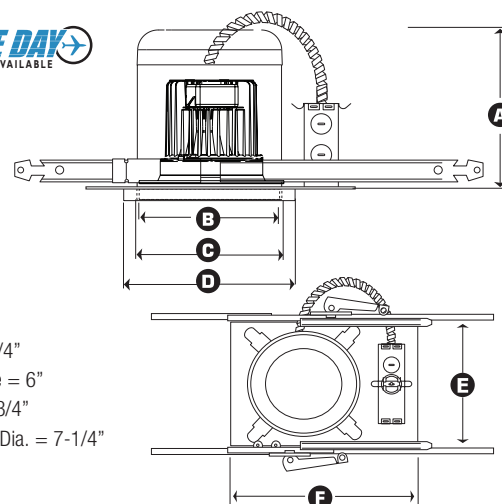
# HLD6IC-AT

6" Architectural New Construction IC Housing with Front Loading LED Module



TO BE USED WITH RL600 SERIES LUMEN LED MODULE LIGHTING COMPONENT ONLY

**SAME DAY**  
SHIPPING AVAILABLE



- A** Height = 7-1/4"
- B** Trim Aperture = 6"
- C** Cut-out = 6-3/4"
- D** Trim Outside Dia. = 7-1/4"
- E** Width = 7"
- F** Length = 10"

**DESCRIPTION** - 6" Architectural IC housing for use with RL600 LED series LED Module trims. Designed for new construction installations and suitable for use in insulation covered or non-insulation covered ceilings. The HLD6IC-AT housing is engineered with a unique 'EZ-connect' wiring system, that when used with the RL600 series trim, with California Title-24 (compliances pending). The unique EZ-connect system also meets other state and national regulatory mandates. LED Module connects effortlessly to housing, virtually eliminating mis-wiring and potential shock hazards.

**Driver and LED engine can be easily accessed from below the ceiling, allowing for simple hassle free maintenance.**

**NOTE** - Complete system includes HLD6IC-AT housing and LED Modules RL600 series trim. RL600 LED Modules trim must be ordered separately.

## SPECIFICATION

**HOUSING** - Die-formed aluminum and galvanized steel for maximum heat dissipation and rust protection. Housing adjusts vertically in plaster frame to accommodate 1/2" to 1-3/8" thick ceiling. Housing is IC rated for direct contact with insulation and can be used in IC and NON-IC applications. May be installed in 2" x 8" joist construction.

**CONNECTION** - Polarity-specific EZ-connect system engineered to match with Elite LED Module trims. Meets strict code requirements where Edison Base Sockets have been banned.

**MOUNTING BRACKET** - Constructed from 16 gauge steel and is supplied with C-channels that are adjustable up to 28". Mounting brackets may be adjusted up to 2-3/4" vertically from inside the housing.

**JUNCTION BOX** - UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pry-out slots and strain clamps. Designed for straight through conduit runs.

Example: HLD6IC-AT-DIMTR-120-RL630-750L-DIMTR-120-30K-W-WH

**THERMAL PROTECTION** - Standard thermal protection device guards against improper installation and misuse of insulation material.

**ELITE LED MODULE** - HLD6IC-AT unique 'EZ-connect' wiring system is Title 24-2013 compliant when used with the RL600 series module. RL600 series modules are rated to last up to 50,000hrs as tested in accordance with LM-80 standards. Driver and LED Engine are found on the module itself. The Elite LED Module system is fully dimmable down to 1% of initial light output with a 0-10 Volt dimmer when ordered with the following options (DIM10-120, DIM10-277). Triac & Electronic Low Voltage dimming driver also available when ordered with the following options (DIMTR-120). Consult Factory for details.

## LISTING

c-UL-us listed for Damp location. Feed Through Wiring. Direct Contact w/ Insulation. LM79 / LM80

## DIMMING INFORMATION

DIMTR (Triac & Electronic Low Voltage Dimming)  
DIM10 (0-10V Dimming)

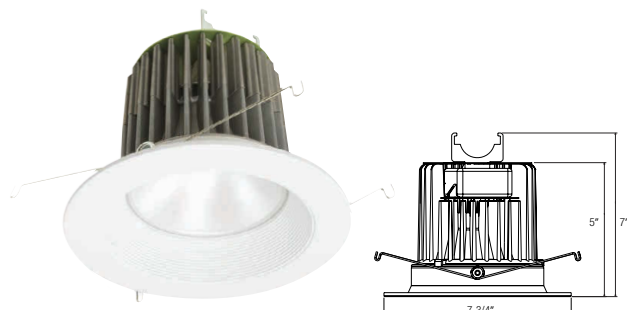


| HOUSING TYPE                                                                        |                                                  |        |                               |                                         |        |
|-------------------------------------------------------------------------------------|--------------------------------------------------|--------|-------------------------------|-----------------------------------------|--------|
| <input type="checkbox"/> <b>HLD6IC-AT-DIMTR-120</b> - Used For Triac Dimming Module |                                                  |        |                               |                                         |        |
| <input type="checkbox"/> <b>HLD6IC-AT-277</b> - Used For Non Dimming Module         |                                                  |        |                               |                                         |        |
| TRIM TYPE                                                                           | 750L/900L SERIES                                 | PAGE # | TRIM TYPE                     | 650L/900L SERIES                        | PAGE # |
| <b>RL630</b><br>(BAFFLE)                                                            | <input type="checkbox"/> 750L-DIMTR-120          | 287    | <b>RL660</b><br>(BAFFLE)      | <input type="checkbox"/> 650L-DIMTR-120 | 309    |
|                                                                                     | <input type="checkbox"/> 750L-277 (non dimmable) |        |                               | <input type="checkbox"/> 900L-DIMTR-120 |        |
|                                                                                     | <input type="checkbox"/> 900L-DIMTR-120          |        |                               |                                         |        |
|                                                                                     | <input type="checkbox"/> 900L-277 (non dimmable) |        |                               |                                         |        |
| TRIM TYPE                                                                           | 750L/900L SERIES                                 | PAGE # | TRIM TYPE                     | 650L/900L SERIES                        | PAGE # |
| <b>RL611</b><br>(BAFFLE WALL WASH)                                                  | <input type="checkbox"/> 750L-DIMTR-120          | 287    | <b>RL661</b><br>(REFLECTOR)   | <input type="checkbox"/> 650L-DIMTR-120 | 309    |
|                                                                                     | <input type="checkbox"/> 750L-277 (non dimmable) |        |                               | <input type="checkbox"/> 900L-DIMTR-120 |        |
|                                                                                     | <input type="checkbox"/> 900L-DIMTR-120          |        |                               |                                         |        |
|                                                                                     | <input type="checkbox"/> 900L-277 (non dimmable) |        |                               |                                         |        |
| TRIM TYPE                                                                           | 750L/900L SERIES                                 | PAGE # | TRIM TYPE                     | 750L SERIES                             | PAGE # |
| <b>RL607</b><br>(REFLECTOR)                                                         | <input type="checkbox"/> 750L-DIMTR-120          | 287    | <b>RL625</b><br>(BAFFLE)      | <input type="checkbox"/> 750L-DIMTR-120 | 307    |
|                                                                                     | <input type="checkbox"/> 750L-277 (non dimmable) |        |                               |                                         |        |
|                                                                                     | <input type="checkbox"/> 900L-DIMTR-120          |        |                               |                                         |        |
|                                                                                     | <input type="checkbox"/> 900L-277 (non dimmable) |        |                               |                                         |        |
| TRIM TYPE                                                                           | 750L/900L SERIES                                 | PAGE # | TRIM TYPE                     | 750L SERIES                             | PAGE # |
| <b>RL622</b><br>(REFLECTOR WALL WASH)                                               | <input type="checkbox"/> 750L-DIMTR-120          | 287    | <b>RL663</b><br>(ADJ. BAFFLE) | <input type="checkbox"/> 750L-DIMTR-120 | 285    |
|                                                                                     | <input type="checkbox"/> 750L-277 (non dimmable) |        |                               |                                         |        |
|                                                                                     | <input type="checkbox"/> 900L-DIMTR-120          |        |                               |                                         |        |
|                                                                                     | <input type="checkbox"/> 900L-277 (non dimmable) |        |                               |                                         |        |
| TRIM TYPE                                                                           | 1000L SERIES                                     | PAGE # | TRIM TYPE                     | 950L SERIES                             | PAGE # |
| <b>RL670</b>                                                                        | <input type="checkbox"/> 1000L-DIMTR-120         | 300    | <b>RL628</b>                  | <input type="checkbox"/> 950L-DIMTR-120 | 299    |

## 0-10V (DIM10) HOUSING

| HOUSING TYPE                                                                                  |                                           |        |
|-----------------------------------------------------------------------------------------------|-------------------------------------------|--------|
| <input type="checkbox"/> <b>HLD6IC-AT-DIM10-120</b> Used For 0-10V Dimming Module. 120V input |                                           |        |
| <input type="checkbox"/> <b>HLD6IC-AT-DIM10-277</b> Used For 0-10V Dimming Module. 277V input |                                           |        |
| TRIM TYPE                                                                                     | 900L SERIES                               | PAGE # |
| <b>RL630</b><br>(BAFFLE)                                                                      | <input type="checkbox"/> 900L-DIM10-MVOLT | 287    |
|                                                                                               |                                           |        |
| TRIM TYPE                                                                                     | 900L SERIES                               | PAGE # |
| <b>RL611</b><br>(BAFFLE WALL WASH)                                                            | <input type="checkbox"/> 900L-DIM10-MVOLT | 287    |
|                                                                                               |                                           |        |
| TRIM TYPE                                                                                     | 900L SERIES                               | PAGE # |
| <b>RL607</b><br>(REFLECTOR)                                                                   | <input type="checkbox"/> 900L-DIM10-MVOLT | 287    |
|                                                                                               |                                           |        |
| TRIM TYPE                                                                                     | 900L SERIES                               | PAGE # |
| <b>RL622</b><br>(REFLECTOR WALL WASH)                                                         | <input type="checkbox"/> 900L-DIM10-MVOLT | 287    |
|                                                                                               |                                           |        |

## BAFFLE

RL630- **A** - **B** - **C** - **D** - **E**

| (A) LUMEN SERIES               | (B) VOLTAGE/DRIVER                                                                                                        | (C) CCT                                                                                                                                                                     | (D) CRI                                                      | (E) FINISH                                                                                                                                                                                            |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 650L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> 277 (non dimmable)                                         | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K (85+ CRI only) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> W-WH<br><input type="checkbox"/> SN-SN<br><input type="checkbox"/> P-WH<br><input type="checkbox"/> P-BK<br><input type="checkbox"/> CP-CP<br><input type="checkbox"/> BZ-BZ |
| <input type="checkbox"/> 900L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT<br><input type="checkbox"/> 277 (non dimmable) |                                                                                                                                                                             |                                                              |                                                                                                                                                                                                       |
| <input type="checkbox"/> 1200L | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT                                                |                                                                                                                                                                             |                                                              |                                                                                                                                                                                                       |

LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle

See ordering chart for compatible housing on page 110, 111, 112 & 113



RL630- **A** - **B** - **C** - **D** -W-WH  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier 1.0



RL630- **A** - **B** - **C** - **D** -P-WH  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .75



RL630- **A** - **B** - **C** - **D** -SN-SN  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .92



RL630- **A** - **B** - **C** - **D** -CP-CP  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .87



RL630- **A** - **B** - **C** - **D** -P-BK  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .75



RL630- **A** - **B** - **C** - **D** -BZ-BZ  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .85

## BAFFLE WALL WASH

RL611- **A** - **B** - **C** - **D** - **E**

| (A) LUMENS                     | (B) VOLTAGE/DRIVER                                                                                                        | (C) CCT                                                                                                                                                                     | (D) CRI                                                      | (E) FINISH                                                                                                                                                                                                            |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 650L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> 277 (non dimmable)                                         | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K (85+ CRI only) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> W-W-WH<br><input type="checkbox"/> SN-SN-WH<br><input type="checkbox"/> P-W-WH<br><input type="checkbox"/> P-BK-WH<br><input type="checkbox"/> CP-CP-WH<br><input type="checkbox"/> BZ-BZ-WH |
| <input type="checkbox"/> 900L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT<br><input type="checkbox"/> 277 (non dimmable) |                                                                                                                                                                             |                                                              |                                                                                                                                                                                                                       |
| <input type="checkbox"/> 1200L | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT                                                |                                                                                                                                                                             |                                                              |                                                                                                                                                                                                                       |

LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle Wall Wash

See ordering chart for compatible housing on page 110, 111, 112 & 113

## Ordering Guide for Compatible Housing

| RL630-650L-DIMTR-120<br>RL630-900L-DIMTR-120 | Page | RL630-650L-DIM10<br>RL630-900L-DIM10 | Page | RL630-1200L-DIMTR  | Page | RL630-1200L-DIM10  | Page | RL630-650L-277(Non Dimmable)<br>RL630-900L-277 (Non Dimmable) | Page |
|----------------------------------------------|------|--------------------------------------|------|--------------------|------|--------------------|------|---------------------------------------------------------------|------|
| LD6IC-AT-DIMTR-120                           | 312  | LD6IC-AT-DIM10-120                   | 312  | LD6-AT-DIMTR-120   | 314  | LD6-AT-DIM10-120   | 314  | LD600IC-AT-277                                                | 310  |
| LD6RIC-AT-DIMTR-120                          | 313  | LD6IC-AT-DIM10-277                   | 312  | LD6R-AT-DIMTR-120  | 315  | LD6-AT-DIM10-277   | 314  | LD6IC-AT-277                                                  | 312  |
| LD6-AT-DIMTR-120                             | 314  | LD6-AT-DIM10-120                     | 314  | LD600IC-AT-120     | 310  | LD6R-AT-DIM10-120  | 315  | LD6RIC-AT-277                                                 | 313  |
| LD6R-AT-DIMTR-120                            | 315  | LD6-AT-DIM10-277                     | 314  | HLD6-AT-DIMTR-120  | 112  | LD6R-AT-DIM10-277  | 315  | LD6-AT-277                                                    | 314  |
| LD600IC-AT-120                               | 310  | LD6RIC-AT-DIM10-120                  | 313  | HLD6R-AT-DIMTR-120 | 113  | LD600IC-AT-120     | 310  | LD6R-AT-277                                                   | 315  |
| HLD6IC-AT-DIMTR-120                          | 110  | LD6RIC-AT-DIM10-277                  | 313  | EZ6IC-AT           | 868  | LD600IC-AT-277     | 310  | HLD6IC-AT-277                                                 | 110  |
| HLD6RIC-AT-DIMTR-120                         | 111  | LD6R-AT-DIM10-120                    | 315  | EZ6RIC-AT          | 868  | HLD6-AT-DIM10-120  | 112  | HLD6RIC-AT-277                                                | 111  |
| HLD6-AT-DIMTR-120                            | 112  | LD6R-AT-DIM10-277                    | 315  |                    |      | HLD6-AT-DIM10-277  | 112  | HLD6-AT-277                                                   | 112  |
| HLD6R-AT-DIMTR-120                           | 113  | LD600IC-AT-120                       | 310  |                    |      | HLD6R-AT-DIM10-120 | 113  | HLD6R-AT-277                                                  | 113  |
| EZ6IC-AT                                     | 868  | LD600IC-AT-277                       | 310  |                    |      | HLD6R-AT-DIM10-277 | 113  | EZ6IC-AT                                                      | 868  |
| EZ6RIC-AT                                    | 868  | HLD6IC-AT-DIM10-120                  | 110  |                    |      |                    |      | EZ6RIC-AT                                                     | 868  |
|                                              |      | HLD6RIC-AT-DIM10-120                 | 111  |                    |      |                    |      |                                                               |      |
|                                              |      | HLD6-AT-DIM10-120                    | 112  |                    |      |                    |      |                                                               |      |
|                                              |      | HLD6R-AT-DIM10-120                   | 113  |                    |      |                    |      |                                                               |      |
|                                              |      | HLD6IC-AT-DIM10-277                  | 110  |                    |      |                    |      |                                                               |      |
|                                              |      | HLD6RIC-AT-DIM10-277                 | 111  |                    |      |                    |      |                                                               |      |
|                                              |      | HLD6-AT-DIM10-277                    | 112  |                    |      |                    |      |                                                               |      |
|                                              |      | HLD6R-AT-DIM10-277                   | 113  |                    |      |                    |      |                                                               |      |

**REFLECTOR**

**RL607- A - B - C - D - E**

| (A) LUMENS                     | (B) VOLTAGE/DRIVER                                                                                                        | (C) CCT                                                                                                                                                                     | (D) CRI                                                      | (E) FINISH                                                                                                                                                             |                                                                                                                                                                        |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 650L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> 277 (non dimmable)                                         | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K (85+ CRI only) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> SN-WH<br><input type="checkbox"/> CL-WH<br><input type="checkbox"/> CL-CH<br><input type="checkbox"/> SN-SN<br><input type="checkbox"/> RG-WH | <input type="checkbox"/> RG-PB<br><input type="checkbox"/> MB-WH<br><input type="checkbox"/> MB-BK<br><input type="checkbox"/> CP-CP<br><input type="checkbox"/> BZ-BZ |
| <input type="checkbox"/> 900L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT<br><input type="checkbox"/> 277 (non dimmable) |                                                                                                                                                                             |                                                              |                                                                                                                                                                        |                                                                                                                                                                        |
| <input type="checkbox"/> 1200L | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT                                                |                                                                                                                                                                             |                                                              |                                                                                                                                                                        |                                                                                                                                                                        |

LED (Retrofit) Die-cast Aluminum Lensed Reflector

See ordering chart for compatible housing on page 110, 111, 112 & 113



**RL607- A - B - C - D -MB-WH**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .77*



**RL607- A - B - C - D -MB-BK**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .77*



**RL607- A - B - C - D -CL-WH**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier 1.0*



**RL607- A - B - C - D -BZ-BZ**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .87*



**RL607- A - B - C - D -SN-WH**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .87*



**RL607- A - B - C - D -CL-CH**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier 1.0*



**RL607- A - B - C - D -CP-CP**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .90*



**RL607- A - B - C - D -SN-SN**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .87*



**RL607- A - B - C - D -W-WH**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .95*



**RL607- A - B - C - D -RG-PB**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .90*



**RL607- A - B - C - D -RG-WH**  
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)  
*Photometric Multiplier .90*

**RL622- A - B - C - D - E**

| (A) LUMENS                     | (B) VOLTAGE/DRIVER                                                                                                        | (C) CCT                                                                                                                                                                     | (D) CRI                                                      | (E) FINISH                                                                                                                                                                         |                                                                                                                                                                                      |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 650L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> 277 (non dimmable)                                         | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K (85+ CRI only) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> SN-W-WH<br><input type="checkbox"/> CL-W-WH<br><input type="checkbox"/> CL-CH-WH<br><input type="checkbox"/> SN-SN-WH<br><input type="checkbox"/> RG-W-WH | <input type="checkbox"/> RG-PB-WH<br><input type="checkbox"/> MB-W-WH<br><input type="checkbox"/> MB-BK-WH<br><input type="checkbox"/> CP-CP-WH<br><input type="checkbox"/> BZ-BZ-WH |
| <input type="checkbox"/> 900L  | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT<br><input type="checkbox"/> 277 (non dimmable) |                                                                                                                                                                             |                                                              |                                                                                                                                                                                    |                                                                                                                                                                                      |
| <input type="checkbox"/> 1200L | <input type="checkbox"/> DIMTR-120<br><input type="checkbox"/> DIM10-MVOLT                                                |                                                                                                                                                                             |                                                              |                                                                                                                                                                                    |                                                                                                                                                                                      |

LED (Retrofit) Die-cast Aluminum Lensed Stepped Reflector Wall Wash

See ordering chart for compatible housing on page 110, 111, 112 & 113

**REFLECTOR WALL WASH**



6 INCH ARCHITECTURAL LED MODULE

## RL630-1200L-DIMTR-120-85-40K-W-WH

INPUT WATTS: 20.9

LUMENS: 1262

CRI: 85+

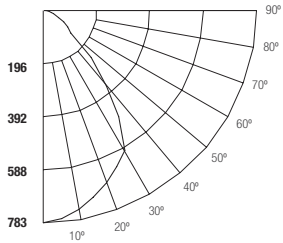
EFFICACY: 60.4

CCT: 4000K

TEST NO.: EL-0913116

SPACING CRITERIA: 1.18

## Candle Power Distribution (Candelas)



| Cone of Light                           |                             |               |
|-----------------------------------------|-----------------------------|---------------|
| 4.0                                     | 49.0                        | 6.7'          |
| 8.0                                     | 12.2                        | 13.5'         |
| 12.0                                    | 5.4                         | 20.2'         |
| 16.0                                    | 3.1                         | 27.0'         |
| 20.0                                    | 2.0                         | 33.7'         |
| Distance to Plane                       | Initial Footcandle at Nadir | Beam diameter |
| BEAM DIA. MEASURED AT 50% OF NADIR F.C. |                             |               |

## Zonal Lumens Summary

| Zone | Lumens  | %Lamp  | %Fixt  |
|------|---------|--------|--------|
| 0-20 | 274.32  | 21.80  | 21.70  |
| 0-30 | 569.29  | 45.30  | 45.10  |
| 0-40 | 879.88  | 70.00  | 69.70  |
| 0-60 | 1169.47 | 93.00  | 92.70  |
| 0-80 | 1251.5  | 99.50  | 99.20  |
| 0-90 | 1261.62 | 100.30 | 100.00 |

Luminance (Average candela/M<sup>2</sup>)

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 19084      | 21982       | 19743       |
| 55               | 10247      | 10338       | 7143        |
| 65               | 8114       | 6385        | 6002        |
| 75               | 6477       | 6128        | 5910        |
| 85               | 7114       | 6504        | 729         |

## Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 72.87  |
| 10-20 | 201.45 |
| 20-30 | 294.97 |
| 30-40 | 310.59 |
| 40-50 | 201.79 |
| 50-60 | 87.80  |
| 60-70 | 51.70  |
| 70-80 | 30.32  |
| 80-90 | 10.12  |

## Candela Tabulation

| 0  | 0   |
|----|-----|
| 0  | 783 |
| 5  | 770 |
| 15 | 713 |
| 25 | 638 |
| 35 | 479 |
| 45 | 246 |
| 55 | 107 |
| 65 | 62  |
| 75 | 30  |
| 85 | 11  |
| 90 | 1.6 |

## Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

| RC                | RW  | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     | 10% |     |     |     | 0%  |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   |     | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% |
| ROOM CAVITY RATIO | 0   | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | 111 | 107 | 107 | 107 | 107 | 102 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1                 | 112 | 108 | 105 | 102 | 105 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 97  | 98  | 96  | 94  | 94  | 94  | 93  | 91  | 91  | 90  | 90  | 90  | 90  |
| 2                 | 104 | 98  | 92  | 88  | 92  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 85  | 89  | 86  | 83  | 87  | 84  | 81  | 81  | 80  | 80  | 80  | 80  | 80  |
| 3                 | 97  | 89  | 82  | 77  | 85  | 95  | 87  | 81  | 76  | 84  | 79  | 75  | 75  | 82  | 78  | 74  | 79  | 76  | 73  | 71  | 71  | 71  | 71  | 71  | 71  |
| 4                 | 91  | 81  | 74  | 68  | 77  | 88  | 80  | 73  | 68  | 77  | 72  | 67  | 67  | 75  | 70  | 66  | 73  | 69  | 65  | 64  | 64  | 64  | 64  | 64  | 64  |
| 5                 | 85  | 74  | 67  | 61  | 68  | 83  | 73  | 66  | 61  | 71  | 65  | 60  | 60  | 69  | 64  | 60  | 67  | 63  | 59  | 57  | 57  | 57  | 57  | 57  | 57  |
| 6                 | 79  | 68  | 60  | 55  | 60  | 77  | 67  | 60  | 55  | 65  | 59  | 54  | 54  | 64  | 58  | 54  | 62  | 57  | 54  | 52  | 52  | 52  | 52  | 52  | 52  |
| 7                 | 74  | 63  | 55  | 50  | 55  | 73  | 62  | 55  | 50  | 60  | 54  | 49  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 47  | 47  | 47  | 47  | 47  | 47  |
| 8                 | 70  | 58  | 51  | 46  | 46  | 68  | 57  | 50  | 45  | 56  | 50  | 45  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  | 43  | 43  | 43  | 43  | 43  |
| 9                 | 65  | 54  | 47  | 42  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 41  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 40  | 40  | 40  | 40  | 40  | 40  |
| 10                | 62  | 50  | 43  | 38  | 38  | 61  | 50  | 43  | 38  | 49  | 43  | 38  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  | 36  | 36  | 36  | 36  | 36  |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## RL630-900L-DIMTR-120-85-40K-W-WH

INPUT WATTS: 14.7

LUMENS: 911

CRI: 85+

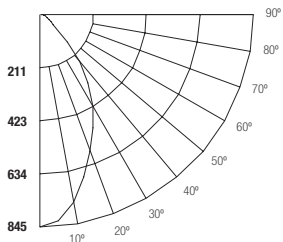
EFFICACY: 62

CCT: 4000K

TEST NO.: EL-0913115

SPACING CRITERIA: 0.94

## Candle Power Distribution (Candelas)



| Cone of Light                           |                             |               |
|-----------------------------------------|-----------------------------|---------------|
| 4.0                                     | 52.8                        | 4.6'          |
| 8.0                                     | 13.2                        | 9.3'          |
| 12.0                                    | 5.9                         | 13.9'         |
| 16.0                                    | 3.3                         | 18.6'         |
| 20.0                                    | 2.1                         | 23.2'         |
| Distance to Plane                       | Initial Footcandle at Nadir | Beam diameter |
| BEAM DIA. MEASURED AT 50% OF NADIR F.C. |                             |               |

## Zonal Lumens Summary

| Zone | Lumens | %Lamp  | %Fixt  |
|------|--------|--------|--------|
| 0-20 | 258.97 | 28.50  | 28.40  |
| 0-30 | 486.23 | 53.60  | 53.30  |
| 0-40 | 697.47 | 76.90  | 76.50  |
| 0-60 | 866.44 | 95.50  | 95.00  |
| 0-80 | 906.95 | 100.00 | 99.40  |
| 0-90 | 912.15 | 100.60 | 100.00 |

Luminance (Average candela/M<sup>2</sup>)

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 11937      | 13586       | 11937       |
| 55               | 5112       | 5584        | 3378        |
| 65               | 4015       | 3123        | 3083        |
| 75               | 3166       | 3117        | 3022        |
| 85               | 3437       | 3375        | 396         |

## Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 75.34  |
| 10-20 | 183.63 |
| 20-30 | 227.26 |
| 30-40 | 211.24 |
| 40-50 | 124.55 |
| 50-60 | 44.41  |
| 60-70 | 25.30  |
| 70-80 | 15.21  |
| 80-90 | 5.19   |

## Candela Tabulation

| 0  | 0   |
|----|-----|
| 0  | 845 |
| 5  | 822 |
| 15 | 668 |
| 25 | 500 |
| 35 | 332 |
| 45 | 154 |
| 55 | 53  |
| 65 | 30  |
| 75 | 14  |
| 85 | 5   |
| 90 | 0   |

## Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

| RC                | RW  | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     | 10% |     |     |     | 0%  |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   |     | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% |
| ROOM CAVITY RATIO | 0   | 120 | 120 | 120 | 120 | 117 | 117 | 117 | 117 | 112 | 112 | 112 | 112 | 107 | 107 | 107 | 107 | 103 | 103 | 103 | 103 | 101 | 101 | 101 | 101 |
| 1                 | 113 | 109 | 106 | 104 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  | 91  | 90  | 90  | 90  | 90  |
| 2                 | 106 | 100 | 95  | 91  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 82  | 82  | 82  | 82  | 82  | 82  |
| 3                 | 99  | 92  | 86  | 81  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 75  | 75  | 75  | 75  | 75  | 75  |
| 4                 | 93  | 84  | 78  | 73  | 73  | 91  | 83  | 77  | 72  | 81  | 75  | 71  | 71  | 79  | 74  | 70  | 77  | 73  | 70  | 68  | 68  | 68  | 68  | 68  | 68  |
| 5                 | 88  | 78  | 71  | 66  | 66  | 86  | 77  | 70  | 65  | 75  | 69  | 65  | 65  | 73  | 68  | 64  | 71  | 67  | 64  | 62  | 62  | 62  | 62  | 62  | 62  |
| 6                 | 82  | 72  | 65  | 60  | 60  | 81  | 71  | 65  | 60  | 69  | 64  | 59  | 59  | 68  | 63  | 59  | 67  | 62  | 58  | 57  | 57  | 57  | 57  | 57  | 57  |
| 7                 | 78  | 67  | 60  | 55  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  | 55  | 63  | 58  | 54  | 62  | 58  | 54  | 52  | 52  | 52  | 52  | 52  | 52  |
| 8                 | 73  | 62  | 55  | 51  | 51  | 72  | 62  | 55  | 51  | 61  | 55  | 50  | 50  | 59  | 54  | 50  | 58  | 54  | 50  | 48  | 48  | 48  | 48  | 48  | 48  |
| 9                 | 69  | 58  | 52  | 47  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  | 47  | 56  | 50  | 47  | 55  | 50  | 46  | 45  | 45  | 45  | 45  | 45  | 45  |
| 10                | 66  | 55  | 48  | 44  | 44  | 65  | 54  | 48  | 44  | 53  | 47  | 43  | 43  | 52  | 47  | 43  | 52  | 47  | 43  | 42  | 42  | 42  | 42  | 42  | 42  |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## RL630-650L-DIMTR-120-85-40K-W-WH

INPUT WATTS: 13.9

LUMENS: 767

CRI: 85+

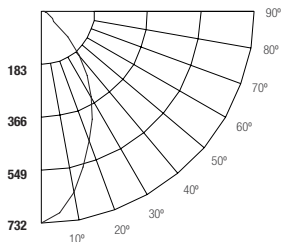
EFFICACY: 55.2

CCT: 4000K

TEST NO.: EL-0913114

SPACING CRITERIA: 0.92

## Candle Power Distribution (Candelas)



| Cone of Light                           |                             |               |
|-----------------------------------------|-----------------------------|---------------|
| 4.0                                     | 45.7                        | 4.4'          |
| 8.0                                     | 11.4                        | 8.8'          |
| 12.0                                    | 5.1                         | 13.2'         |
| 16.0                                    | 2.9                         | 17.6'         |
| 20.0                                    | 1.8                         | 22.0'         |
| Distance to Plane                       | Initial Footcandle at Nadir | Beam diameter |
| BEAM DIA. MEASURED AT 50% OF NADIR F.C. |                             |               |

## Zonal Lumens Summary

| Zone | Lumens | %Lamp  | %Fixt  |
|------|--------|--------|--------|
| 0-20 | 222.89 | 29.20  | 29.10  |
| 0-30 | 413.37 | 54.20  | 53.90  |
| 0-40 | 586.81 | 77.00  | 76.50  |
| 0-60 | 728.39 | 95.50  | 95.00  |
| 0-80 | 762.44 | 100.00 | 99.40  |
| 0-90 | 766.94 | 100.60 | 100.00 |

Luminance (Average candela/M<sup>2</sup>)

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 9878       | 11109       | 9966        |
| 55               | 4364       | 4678        | 2782        |
| 65               | 3397       | 2582        | 2547        |
| 75               | 2673       | 2569        | 2508        |
| 85               | 3117       | 2866        | 308         |

## Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 65.23  |
| 10-20 | 157.66 |
| 20-30 | 190.48 |
| 30-40 | 173.44 |
| 40-50 | 103.69 |
| 50-60 | 37.90  |
| 60-70 | 21.27  |
| 70-80 | 12.78  |
| 80-90 | 4.49   |

## Candela Tabulation

| 0  | 0   |
|----|-----|
| 0  | 731 |
| 5  | 698 |
| 15 | 556 |
| 25 | 410 |
| 35 | 271 |
| 45 | 127 |
| 55 | 45  |
| 65 | 26  |
| 75 | 12  |
| 85 | 4   |
| 90 | 1   |

## Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

## RL607-1200L-DIMTR-120-90-30K-CL-WH

TEST NO.: EL-101372

INPUT WATTS: 19

LUMENS: 1209

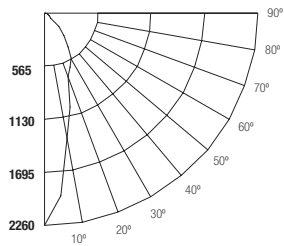
CRI: 90+

EFFICACY: 63.6

CCT: 3000K

SPACING CRITERIA: 0.54

## Candle Power Distribution (Candelas)



| Cone of Light                           |                             |               |
|-----------------------------------------|-----------------------------|---------------|
| 4.0                                     | 141.2                       | 1.7'          |
| 8.0                                     | 35.3                        | 3.5'          |
| 12.0                                    | 15.7                        | 5.2'          |
| 16.0                                    | 8.8                         | 6.9'          |
| 20.0                                    | 5.6                         | 8.7'          |
| Distance to Plane                       | Initial Footcandle at Nadir | Beam diameter |
| BEAM DIA. MEASURED AT 50% OF NADIR F.C. |                             |               |

## Zonal Lumens Summary

| Zone | Lumens  | %Lamp  | %Fixt  |
|------|---------|--------|--------|
| 0-20 | 420.37  | 35.20  | 34.80  |
| 0-30 | 701.34  | 58.70  | 58.00  |
| 0-40 | 972.62  | 81.50  | 80.40  |
| 0-60 | 1181.9  | 99.00  | 97.70  |
| 0-80 | 1207.54 | 101.10 | 99.90  |
| 0-90 | 1209.2  | 101.30 | 100.00 |

Luminance (Average candela/M<sup>2</sup>)

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 15769      | 17594       | 14146       |
| 55               | 6465       | 6577        | 3945        |
| 65               | 3802       | 2465        | 2048        |
| 75               | 1684       | 952         | 671         |
| 85               | 2231       | 1219        | 44          |

## Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 159.82 |
| 10-20 | 260.54 |
| 20-30 | 280.98 |
| 30-40 | 271.27 |
| 40-50 | 157.67 |
| 50-60 | 51.61  |
| 60-70 | 19.86  |
| 70-80 | 5.77   |
| 80-90 | 1.66   |

## Candela Tabulation

| Q  |      |
|----|------|
| 0  | 2259 |
| 5  | 1951 |
| 15 | 1035 |
| 25 | 635  |
| 35 | 436  |
| 45 | 203  |
| 55 | 67   |
| 65 | 29   |
| 75 | 7    |
| 85 | 3    |
| 90 | 1    |

Coefficients of Utilization - Zonal Cavity Method  
Effective Floor Cavity Reflectance 0.20

|                   | RC | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     | 10% |     |  |  | 0% |
|-------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|----|
|                   | RW | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0%  |  |  |    |
| ROOM CAVITY RATIO | 0  | 121 | 121 | 121 | 121 | 118 | 118 | 118 | 118 | 113 | 113 | 113 | 108 | 108 | 108 | 103 | 103 | 103 | 101 |  |  |    |
|                   | 1  | 114 | 111 | 109 | 106 | 112 | 109 | 107 | 104 | 105 | 103 | 101 | 101 | 100 | 98  | 98  | 96  | 95  | 93  |  |  |    |
|                   | 2  | 108 | 103 | 98  | 94  | 106 | 101 | 97  | 93  | 97  | 94  | 91  | 94  | 92  | 89  | 92  | 89  | 87  | 86  |  |  |    |
|                   | 3  | 102 | 95  | 89  | 85  | 100 | 93  | 88  | 84  | 91  | 86  | 83  | 88  | 84  | 81  | 86  | 83  | 80  | 78  |  |  |    |
|                   | 4  | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 76  | 84  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |  |  |    |
|                   | 5  | 91  | 81  | 75  | 70  | 89  | 81  | 74  | 70  | 79  | 73  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |  |  |    |
|                   | 6  | 86  | 76  | 69  | 65  | 84  | 75  | 69  | 64  | 74  | 68  | 64  | 72  | 67  | 64  | 71  | 66  | 63  | 62  |  |  |    |
|                   | 7  | 81  | 71  | 64  | 60  | 80  | 70  | 64  | 60  | 69  | 63  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 57  |  |  |    |
|                   | 8  | 77  | 67  | 60  | 56  | 76  | 66  | 60  | 56  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 53  |  |  |    |
|                   | 9  | 73  | 63  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 59  | 55  | 51  | 50  |  |  |    |
| 10                | 70 | 59  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 52  | 49  | 57  | 52  | 48  | 56  | 52  | 48  | 47  |     |  |  |    |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## RL607-900L-DIMTR-120-90-30K-CL-WH

TEST NO.: EL-101373

INPUT WATTS: 15.3

LUMENS: 685

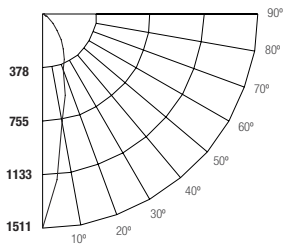
CRI: 90+

EFFICACY: 44.8

CCT: 3000K

SPACING CRITERIA: 0.50

## Candle Power Distribution (Candelas)



| Cone of Light                           |                             |               |
|-----------------------------------------|-----------------------------|---------------|
| 4.0                                     | 94.4                        | 1.6'          |
| 8.0                                     | 23.6                        | 3.1'          |
| 12.0                                    | 10.5                        | 4.7'          |
| 16.0                                    | 5.9                         | 6.3'          |
| 20.0                                    | 3.8                         | 7.8'          |
| Distance to Plane                       | Initial Footcandle at Nadir | Beam diameter |
| BEAM DIA. MEASURED AT 50% OF NADIR F.C. |                             |               |

## Zonal Lumens Summary

| Zone | Lumens | %Lamp  | %Fixt  |
|------|--------|--------|--------|
| 0-20 | 266.20 | 39.50  | 38.90  |
| 0-30 | 431.58 | 64.00  | 63.00  |
| 0-40 | 574.52 | 85.20  | 83.90  |
| 0-60 | 673.89 | 99.90  | 98.40  |
| 0-80 | 683.85 | 101.40 | 99.90  |
| 0-90 | 684.65 | 101.50 | 100.00 |

Luminance (Average candela/M<sup>2</sup>)

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 7338       | 8178        | 6841        |
| 55               | 2273       | 2771        | 1492        |
| 65               | 1352       | 965         | 805         |
| 75               | 652        | 339         | 188         |
| 85               | 1100       | 685         | 25          |

## Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 102.77 |
| 10-20 | 163.43 |
| 20-30 | 165.38 |
| 30-40 | 142.94 |
| 40-50 | 77.70  |
| 50-60 | 21.67  |
| 60-70 | 7.79   |
| 70-80 | 2.16   |
| 80-90 | 0.81   |

## Candela Tabulation

| Q  |      |
|----|------|
| 0  | 1510 |
| 5  | 1172 |
| 15 | 593  |
| 25 | 353  |
| 35 | 223  |
| 45 | 94   |
| 55 | 23   |
| 65 | 10   |
| 75 | 3    |
| 85 | 1    |
| 90 | 1    |

Coefficients of Utilization - Zonal Cavity Method  
Effective Floor Cavity Reflectance 0.20

|                   | RC | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     | 10% |     |  |  | 0% |
|-------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|----|
|                   | RW | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0%  |  |  |    |
| ROOM CAVITY RATIO | 0  | 121 | 121 | 121 | 121 | 118 | 118 | 118 | 118 | 113 | 113 | 113 | 108 | 108 | 108 | 104 | 104 | 104 | 102 |  |  |    |
|                   | 1  | 115 | 112 | 109 | 107 | 112 | 110 | 107 | 105 | 106 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 94  |  |  |    |
|                   | 2  | 109 | 104 | 99  | 96  | 107 | 102 | 98  | 95  | 99  | 95  | 93  | 96  | 93  | 91  | 93  | 91  | 89  | 87  |  |  |    |
|                   | 3  | 103 | 96  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 85  | 90  | 86  | 83  | 87  | 84  | 82  | 80  |  |  |    |
|                   | 4  | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |  |  |    |
|                   | 5  | 94  | 84  | 77  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 74  | 71  | 69  |  |  |    |
|                   | 6  | 88  | 78  | 72  | 68  | 86  | 78  | 72  | 67  | 76  | 71  | 67  | 75  | 70  | 66  | 73  | 69  | 66  | 64  |  |  |    |
|                   | 7  | 83  | 74  | 67  | 63  | 82  | 73  | 67  | 63  | 72  | 66  | 62  | 70  | 66  | 62  | 69  | 65  | 62  | 60  |  |  |    |
|                   | 8  | 79  | 69  | 63  | 59  | 78  | 69  | 63  | 59  | 68  | 62  | 58  | 67  | 62  | 58  | 66  | 61  | 58  | 56  |  |  |    |
|                   | 9  | 76  | 66  | 59  | 55  | 74  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 53  |  |  |    |
| 10                | 72 | 62  | 56  | 52  | 71  | 62  | 56  | 52  | 61  | 55  | 52  | 60  | 55  | 52  | 59  | 55  | 52  | 50  |     |  |  |    |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## RL630-650L-DIMTR-120-90-30K-W-WH

TEST NO.: EL-101346

INPUT WATTS: 13

LUMENS: 622

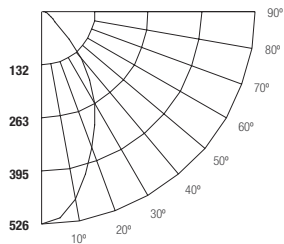
CRI: 90+

EFFICACY: 47.8

CCT: 3000K

SPACING CRITERIA: 1.00

## Candle Power Distribution (Candelas)



| Cone of Light                           |                             |               |
|-----------------------------------------|-----------------------------|---------------|
| 4.0                                     | 32.7                        | 5.1'          |
| 8.0                                     | 8.2                         | 10.2'         |
| 12.0                                    | 3.6                         | 15.2'         |
| 16.0                                    | 2.0                         | 20.3'         |
| 20.0                                    | 1.3                         | 25.4'         |
| Distance to Plane                       | Initial Footcandle at Nadir | Beam diameter |
| BEAM DIA. MEASURED AT 50% OF NADIR F.C. |                             |               |

## Zonal Lumens Summary

| Zone | Lumens | %Lamp  | %Fixt  |
|------|--------|--------|--------|
| 0-20 | 167.54 | 27.10  | 26.90  |
| 0-30 | 320.63 | 51.80  | 51.50  |
| 0-40 | 465.48 | 75.20  | 74.80  |
| 0-60 | 589.52 | 95.20  | 94.70  |
| 0-80 | 618.59 | 99.90  | 99.40  |
| 0-90 | 622.19 | 100.50 | 100.00 |

Luminance (Average candela/M<sup>2</sup>)

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 9550       | 10480       | 9401        |
| 55               | 4827       | 4324        | 2489        |
| 65               | 3310       | 2029        | 2022        |
| 75               | 2108       | 1991        | 1945        |
| 85               | 2382       | 2199        | 220         |

## Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 47.42  |
| 10-20 | 120.13 |
| 20-30 | 153.09 |
| 30-40 | 144.85 |
| 40-50 | 89.85  |
| 50-60 | 34.19  |
| 60-70 | 18.46  |
| 70-80 | 10.61  |
| 80-90 | 3.59   |

## Candela Tabulation

| Q  |     |
|----|-----|
| 0  | 522 |
| 5  | 523 |
| 15 | 455 |
| 25 | 255 |
| 35 | 243 |
| 45 | 123 |
| 55 | 50  |
| 65 | 25  |
| 75 | 9   |
| 85 | 3   |
| 90 | 0   |

Coefficients of Utilization - Zonal Cavity Method  
Effective Floor Cavity Reflectance 0.20



### UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The Elite **LED Module** has been engineered for new construction where Title-24's "No Edison Socket" mandate has been initiated. A dedicated housing installs the same as any other Elite Lighting product and features our adjustable, lockable and tiltable nail bars.

The **LED Module** can also be installed into most 6" incandescent downlights by using our unique Edison adapter. Over 1200 usable lumens are directed from the luminaire to the work surface. Lighting is smooth and comfortable, all while using 75% less energy than the equivalent 65W BR30, 75W BR30, and 100W PAR38 lamps and 25% less than the common 18W, 26W, and 32W CFL. Plus the Elite **LED Module** features 50,000hrs of life, and California Title-24 compliance.

| INPUT VOLT. | INPUT FREQ. | INPUT CUR. | THD  | POWER FACTOR | INPUT POWER | LUMENS |
|-------------|-------------|------------|------|--------------|-------------|--------|
| 120/277     | 50/60Hz     | 116mA/50mA | <20% | >0.9         | 14W(+/-5%)  | 750    |
| 120/277     | 50/60Hz     | 133mA/57mA | <20% | >0.9         | 16W(+/-5%)  | 900    |
| 120/277     | 50/60Hz     | 200mA/86mA | <20% | >0.9         | 20W(+/-5%)  | 1200   |

### FEATURES

Greater light output than an 18W, 26W, and 32W CFL or a 65W BR30, 75W BR30, and 100W PAR38 while consuming less than 14W, 16W and 20W of power.

### OPTICS

The Elite-Engineered LED Module system is much more than just a simple LED retrofit. The Elite LED system is a highly engineered work of design and optical science which produces over 1200 lumens! Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution. The reflector also offers the benefits of a smooth integrated light with glare reduction at a 55 degree cut-off, which minimizes brightness. Optic combinations available in Baffle, Reflector, and Wall Wash options to fit any lighting application.

### DURABILITY

Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Without proper heat management, any LED luminaire will fail. Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Life tests have shown the Elite **LED Module** light output will be maintained at 70% of initial at 50,000 hours of operation. Our superior design allows for installation in construction that requires the Elite Air-Shut™ system. Our LED driver is rated for 50 to 60 Htz, produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.

### REPEATABLE

Repeatability means quality. From our chip selection process, to our driver, to the thermal management, the Elite LED Module is engineered for quality. All Elite LED luminaires are rated at 85+ and 90+ CRI and 27K, 30K, 35K, 40K and 50K, as rated and tested to LM-79 and LM-80 standards by a certified laboratory, and meets the California Title-24 compliance standards. Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light.

### DIMMABLE

The Elite **LED Module** system is fully dimmable down to 10% of initial light output with a Triac and Electronic Low Voltage dimmer when ordered with the following options (DIMTR-120). A 0-10 Volt dimming driver can also be ordered when specified with the following options (DIM10-MVOLT). Consult Factory for details.

### INTERCHANGEABLE

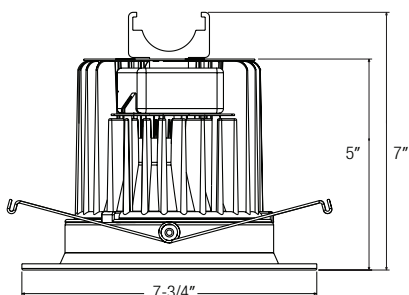
The 650 lumen series and 900 lumen series Elite **LED Module** system works in our dedicated (LD6IC-AT, LD6RIC-AT, LD6-AT, LD6R-AT) housings and our existing 6" incandescent housings (or standard B6IC-AT, EZ6IC-AT and B6RIC-AT) but is also suitable for using in most 6" recessed downlight housing. The 1200 lumen Elite **LED Module** system works in our dedicated Non-IC (LD6-AT, LD6R-AT) housings and our existing 6" incandescent Non-IC housings (or standard B6-AT and B6R-AT) but is also suitable for using in most 6" recessed downlight housing.

### ADAPTABLE

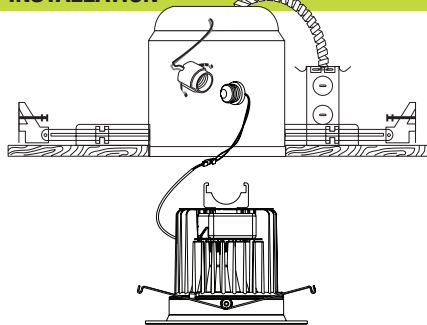
All Elite **LED Module** luminaires are shipped standard with our custom engineered Edison adapter. This adapter assembly allows the luminaires to install directly into existing Elite 6" downlight housings and most other 6" downlight housings.

### OUR WORD

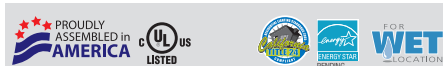
The Elite LED lighting system carries a five-year carefree warranty for parts and components. (Labor not included.)



### INSTALLATION



- Socket adapter removes from module, allowing installation to be quick and easy. Simply screw in the adapter and plug in the module.
- Utilizes industry standard V or torsion springs, installs in most 6" incandescent down lights. Insert torsion springs into can and press trim to ceiling. Friction blades also included in box.



### CERTIFICATIONS

- cULus
- RoHS
- IECC
- New York state
- Made in USA
- UL/cUL Listed for Wet
- UL/cUL Listed for Damp Location
- California Title 24
- Washington state
- LM79/LM80

**R30 Lamp**



Before

**RL630 LED Retrofit**



After

Elite's innovative LED retrofit downlight modules deliver the brightest, most beautiful and most energy efficient ambient lighting to replace any lamp type on your existing fixture.

Lumens may vary based on the trim type and color. See IES files for actual output lumens.

Example: **RL630-750L-DIMTR-120-90-30K-W-WH**

| TYPE              | 750L SERIES                                                                                    | 900L SERIES                                                                                                                              | 1200L SERIES                                                                                                                                | CCT                                                                                                                                                                            | CRI                                                          | FINISH                                                                                                                                                                                                | OPTION                                                    |
|-------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| RL630<br>(BAFFLE) | <input type="checkbox"/> 750L-DIMTR-120<br><input type="checkbox"/> 750L-277<br>(non dimmable) | <input type="checkbox"/> 900L-DIMTR-120<br><input type="checkbox"/> 900L-DIM10-MVOLT<br><input type="checkbox"/> 900L-277 (non dimmable) | <input type="checkbox"/> 1200L-DIMTR-120<br><input type="checkbox"/> 1200L-DIM10-MVOLT<br><input type="checkbox"/> 1200L-277 (non dimmable) | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K<br>(CRI 85+ ONLY) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> W-WH<br><input type="checkbox"/> P-WH<br><input type="checkbox"/> SN-SN<br><input type="checkbox"/> CP-CP<br><input type="checkbox"/> BZ-BZ<br><input type="checkbox"/> P-BK | <input type="checkbox"/> GU24SA<br>GU24 SOCKET<br>ADAPTER |

Example: **RL611-750L-DIMTR-120-90-30K-W-W-WH**

| TYPE                              | 750L SERIES                                                                                    | 900L SERIES                                                                                                                              | 1200L SERIES                                                                                                                                | CCT                                                                                                                                                                            | CRI                                                          | FINISH                                                                                                                                                                                                                | OPTION                                                    |
|-----------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| RL611<br>(BAFFLE<br>WALL<br>WASH) | <input type="checkbox"/> 750L-DIMTR-120<br><input type="checkbox"/> 750L-277<br>(non dimmable) | <input type="checkbox"/> 900L-DIMTR-120<br><input type="checkbox"/> 900L-DIM10-MVOLT<br><input type="checkbox"/> 900L-277 (non dimmable) | <input type="checkbox"/> 1200L-DIMTR-120<br><input type="checkbox"/> 1200L-DIM10-MVOLT<br><input type="checkbox"/> 1200L-277 (non dimmable) | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K<br>(CRI 85+ ONLY) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> W-W-WH<br><input type="checkbox"/> P-W-WH<br><input type="checkbox"/> SN-SN-WH<br><input type="checkbox"/> CP-CP-WH<br><input type="checkbox"/> BZ-BZ-WH<br><input type="checkbox"/> P-BK-WH | <input type="checkbox"/> GU24SA<br>GU24 SOCKET<br>ADAPTER |

Example: **RL607-750L-DIMTR-120-90-30K-W-WH**

| TYPE                 | 750L SERIES                                                                                    | 900L SERIES                                                                                                                              | 1200L SERIES                                                                                                                                | CCT                                                                                                                                                                            | CRI                                                          | FINISH                                                                                                                                                                                                                                                                                                                                                                            | OPTION                                                    |
|----------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| RL607<br>(REFLECTOR) | <input type="checkbox"/> 750L-DIMTR-120<br><input type="checkbox"/> 750L-277<br>(non dimmable) | <input type="checkbox"/> 900L-DIMTR-120<br><input type="checkbox"/> 900L-DIM10-MVOLT<br><input type="checkbox"/> 900L-277 (non dimmable) | <input type="checkbox"/> 1200L-DIMTR-120<br><input type="checkbox"/> 1200L-DIM10-MVOLT<br><input type="checkbox"/> 1200L-277 (non dimmable) | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K<br>(CRI 85+ ONLY) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> CL-WH<br><input type="checkbox"/> W-WH<br><input type="checkbox"/> BZ-BZ<br><input type="checkbox"/> SN-WH<br><input type="checkbox"/> SN-SN<br><input type="checkbox"/> RG-WH<br><input type="checkbox"/> MB-WH<br><input type="checkbox"/> CL-CH<br><input type="checkbox"/> CP-CP<br><input type="checkbox"/> RG-PB<br><input type="checkbox"/> MB-BK | <input type="checkbox"/> GU24SA<br>GU24 SOCKET<br>ADAPTER |

Example: **RL622-750L-DIMTR-120-90-30K-W-W-WH**

| TYPE                              | 750L SERIES                                                                                    | 900L SERIES                                                                                                                                 | 1200L SERIES                                                                                                                                | CCT                                                                                                                                                                            | CRI                                                          | FINISH                                                                                                                                                                                                                                                                                                                                                                                                        | OPTION                                                    |
|-----------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| RL622<br>(REFLECTOR<br>WALL WASH) | <input type="checkbox"/> 750L-DIMTR-120<br><input type="checkbox"/> 750L-277<br>(non dimmable) | <input type="checkbox"/> 900L-DIMTR-120<br><input type="checkbox"/> 900L-DIM10-MVOLT<br><input type="checkbox"/> 900L-277<br>(non dimmable) | <input type="checkbox"/> 1200L-DIMTR-120<br><input type="checkbox"/> 1200L-DIM10-MVOLT<br><input type="checkbox"/> 1200L-277 (non dimmable) | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K<br>(CRI 85+ ONLY) | <input type="checkbox"/> 85+<br><input type="checkbox"/> 90+ | <input type="checkbox"/> CL-W-WH<br><input type="checkbox"/> W-W-WH<br><input type="checkbox"/> BZ-BZ-WH<br><input type="checkbox"/> SN-W-WH<br><input type="checkbox"/> SN-SN-WH<br><input type="checkbox"/> RG-W-WH<br><input type="checkbox"/> MB-W-WH<br><input type="checkbox"/> CL-CH-WH<br><input type="checkbox"/> CP-CP-WH<br><input type="checkbox"/> RG-PB-WH<br><input type="checkbox"/> MB-BK-WH | <input type="checkbox"/> GU24SA<br>GU24 SOCKET<br>ADAPTER |

**\*RECOMMENDED DIMMERS FOR LED SYSTEM - RL630**

| LUTRON DIMMERS                                                                                                                        |                                                                                              | LUTRON CONTROL SYSTEM                                                                                 | LEVITON DIMMERS                                        |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| DIMTR                                                                                                                                 |                                                                                              | DIMTR                                                                                                 | DIMTR                                                  |
| Diva DVCL-153P<br>Skylark CTCL-153P<br>Nova N-600<br>Nova NT-600<br>Skylark S-600<br>Ariadni AY-600P<br>Nova NTLV-600<br>Nova NLV-600 | Maestro MRF2-6ND<br>NovaT NTELV-600<br>Diva DVELV-300P<br>Skylark SELV-300P<br>Nova NELV-450 | Homeworks HW/LP-RPM-4A-120<br>PHPM-PA<br>Graphic Eye QS<br>Radio RA2 RRD-10ND<br>PHPM-PA<br>ELV1-1000 | IllumaTech IPE04<br>Sureslide 6633<br>Acenti<br>Vizia+ |

**\* FOR LED LOADS, MAXIMUM CAPACITY SHOULD BE DERATED TO 25% OF PUBLISHED MAXIMUM CAPACITY.**