

## DESCRIPTION

The Luminous HE LED recessed ambient luminaire features recessed side and center diffusers for a bold architectural detail. Available in 2'x2', 2'x4' and 1'x4' housing sizes, as well as hard metric options, the Luminous HE LED luminaire intergrates into almost any ceiling space. The unique center panel design allows for various shielding options, with simple access to the LED modules and drivers for easy maintenance. At 3-3/4" (95mm), the Luminous housing installs in most shallow plenums, and a subtle air return option and surface mount kit are also available. High efficacy and an all acrylic, rectilinear design make Luminous HE LED an excellent choice for all commercial and institutional architectural applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Construction

Low profile housing constructed from die-formed 20-gauge cold rolled steel.

### Reflectors

Precision tooled, high reflectance (97%) metal reflectors allow for easy access to driver compartment.

### Finish

Durable, low gloss, white, high reflectance powder coated acrylic finish.

### Electrical

Long-life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K or 4000K with a typical CRI ≥ 80. Projected life is 60,000 hours at 82% lumen output. Electronic drivers are available for 120-277V applications. Fixtures and electrical components certified to UL and CUL standards. Damp location rated.

### Shielding

7/8" regress center frame with optional lay-in center diffusers and 1/2" regress semi-captive frosted acrylic side diffusers.

### Mounting

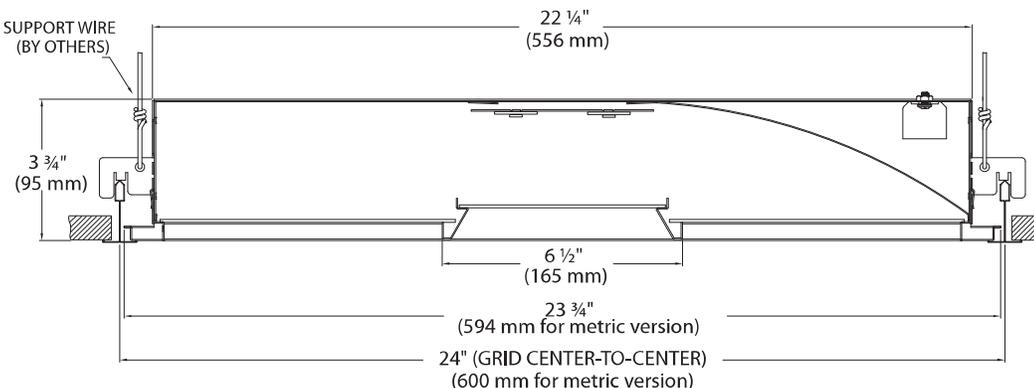
Standard flange design works with most lay-in ceiling types. Integral pryout tabs secure luminaire to ceiling grid from above. Fixture offers tie-in locations for tie-wire on all corners, consult local code for appropriate tie-wire recommendations.



## Luminous HE LED 282 / 284 / 184

LED

Recessed  
Direct - Ambient



## ORDERING INFORMATION

Sample Number: S282-R-2-L35-SR-U-DD-1D-95HT

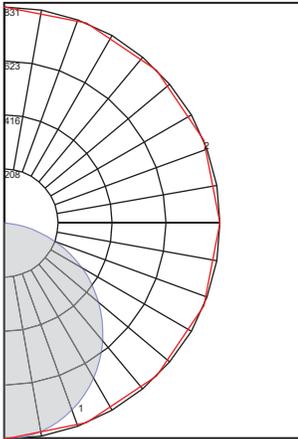
SERIES	OPTIONS	LIGHT LEVEL	COLOR TEMPERATURE	CEILING TYPE	INPUT VOLTAGE
S282R = 2' x 2' S284R = 2' x 4' S184R = 1' x 4' S282M = 600mm x 600mm S284M = 600mm x 1200mm	A = Air Return C = Chicago Plenum	1 = Light Level 1 (2330 Lms @ 29 W) 2 = Light Level 2 (3000 Lms @ 38 W) 3 = Light Level 3 (3660 Lms @ 48 W)	L30 = LED 3000K L35 = LED 3500K L40 = LED 4000K	ESTG = 15/16" , 9/16" T-Grid <sup>1</sup> FTG = 9/16" Flush	1 = 120V 2 = 277V U = Universal (120V-277V) <sup>2</sup> 3 = 347V <sup>3</sup>

DRIVER	CIRCUITS	WIRING	INTEGRAL CONTROL OPTIONS	CENTER SHIELDING OPTIONS
DD = 0-10V Dimming Driver <sup>4</sup> 5LT = DALI Driver <sup>5</sup>	1 = Single Circuit 2 = Dual Circuit	B = Battery Pack <sup>7</sup> D = Standard <sup>4</sup> E = Emergency	SVPD1 = Stand Alone Sensor SWPD1 = Wavelinx Wireless Sensor	95N = Opal Satin Diffuser 95HT = High Transmission Diffuser 95RE = Rectangle Perforated Pattern 95R = Round Perforated Pattern

Notes:

\* See page 2 for specific notes

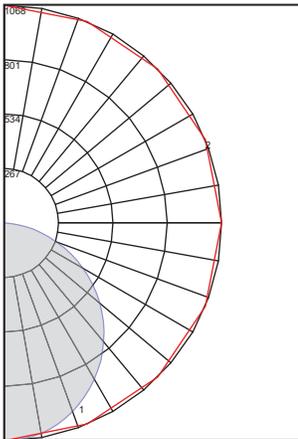
Photometric Data - All data certified to LM-79 standards in a NAVLAB approved testing facility



Filename: 282R-1-L35-ESTG-UNV-STD-1C-95N  
 Test Number: ITL79717  
 Lumens: 2331 Lm  
 Watts: 28.9 W  
 LPW: 81 Lm/W  
 CCT: 3500K

ZONAL LUMEN STUDY		
Zone	Lumens	% Fixture
0-30	648	27
0-40	1066	45
0-60	1883	80
0-90	2331	100
90-180	0	0

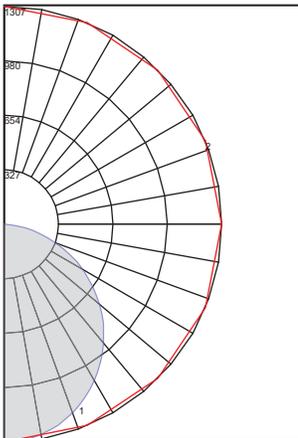
LUMINANCE DATA (cd / sq.m)			
Angle	0-Deg	45-Deg	90-Deg
45	2421	2548	2670
55	2304	2399	2494
65	2120	2128	2158
75	1756	1608	1558
85	1065	771	734



Filename: 282R-2-L35-ESTG-UNV-STD-1C-95N  
 Test Number: ITL79716  
 Lumens: 3006 Lm  
 Watts: 38 W  
 LPW: 79 Lm/W  
 CCT: 3500K

ZONAL LUMEN STUDY		
Zone	Lumens	% Fixture
0-30	833	27
0-40	1372	45
0-60	2425	80
0-90	3006	100
90-180	0	0

LUMINANCE DATA (cd / sq.m)			
Angle	0-Deg	45-Deg	90-Deg
45	3118	3281	3440
55	2974	3097	3225
65	2749	2749	2794
75	2300	2090	2040
85	1432	1028	955



Filename: 282R-3-L35-ESTG-UNV-STD-1C-95N  
 Test Number: ITL79715  
 Lumens: 3666 Lm  
 Watts: 48.2 W  
 LPW: 76 Lm/W  
 CCT: 3500K

ZONAL LUMEN STUDY		
Zone	Lumens	% Fixture
0-30	1019	27
0-40	1677	45
0-60	2962	80
0-90	3665	100
90-180	0	0

LUMINANCE DATA (cd / sq.m)			
Angle	0-Deg	45-Deg	90-Deg
45	3815	4006	4196
55	3621	3766	3923
65	3340	3340	3393
75	2782	2523	2424
85	1689	1212	1138

## NOTES

- ESTG ceiling type is compatible with Metalux DF series drywall frame kits and Metalux universal surface mount kits, ordered separately from Metalux. For 2' x 2' drywall kit, order P/N DF-22W-U. For 2' x 4' drywall kit, order P/N DF-24W-U. For 2'x2' surface mount kit, order P/N SK-22-WS. For 2'x4' surface mount kit, order P/N SK-24-WS.
- Not all options are available; please consult factory for specific details.
- 347V is achieved using remote transformer.
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