

## DESCRIPTION

The Harmony EyeLite combines exceptional aesthetics with remarkable strength. Die-cast, extra-heavy aluminum walls of the front/back housings offer rugged durability and afford efficient heat dissipation. Lens is fashioned from high-quality, tempered borosilicate glass. Linear prisms provide an efficient forward throw and broad coverage. Performance-crafted, faceted, specular aluminum reflector maximizes efficient light distribution. A liquid injection-molded silicone gasket allows a tight seal between the housing and lens assembly. EyeLite is listed for wet locations in all mounting positions; a 9° tilt allows water runoff when inverted.

## SPECIFICATION FEATURES

### Application

This handsome fixture will blend seamlessly into virtually any unsupervised environment where broad, low-glare light distribution is esthetically pleasing and security essential: shopping centers, roadside malls, corporate building exteriors or transportation stations.

### Lens

Molded, tempered, shock-resistant borosilicate glass is 0.225 inches thick and floats on gasket. Dissipates heat and is unaffected by UV light, pollution and cleaning solutions. Relamping hook holds lens assembly for easier maintenance. Chroma lens is molded glass, sealed with gasket. Consult factory for colors.

### Optics

Linear elevating prisms create an IES Type-III short distribution, providing broad coverage. Faceted, specular aluminum reflector (94% TR) maximizes light output.

### Surface Housing

Front/back housings are precision TruGen die-cast for superior strength and product uniformity. Marine-grade, low-copper-alloy aluminum resists corrosion. Extra-heavy thickness promotes durability and assures an efficient heat sink for internal components.

### Regressed Housing

Cast housing is nominal .125" thick, marine grade, low copper alloy aluminum. Comes with concealed cast aluminum plate to seal regressed housing to front lens face. Two back-box configurations are available depending on installation. The BB option is for stud wall and other combustible material applications and comes with adjustable brackets for 18" to 24" on center spacing.

### Regressed Housing Cont.

The CP option is for concrete pour and other non-combustible material applications and comes with an adjustable bracket to accommodate variable wall thickness. A quick-connect plug wiring system allows for easy installation. Back box may be shipped separately for early installation (see REGRESSED HOUSING MOUNTING AND ADVANCED ORDERING INFORMATION). Wall mount only.

### Gaskets

Long-life, injection-molded silicone gasket promotes water- and dust-tight seal between housing and front-lens assembly. 1/8-inch-thick, closed-cell EDPM gasket facilitates proper seal between luminaire and mounting surface. No additional caulking is required.

### Lamp

(by others)

### Socket

HID socket is a 4KV rated porcelain medium-base socket with a nickel-plated brass screw shell. CFL socket incorporates 26-watt GX24q3; 32-watt GX24q3; or 42-watt GX24q4 base with stainless-steel retention clip and a 2-pin reject that ensures proper lamping and lamp retention. Fluorescent socket is polycarbonate.

### Ballast

CFL ballasts are electronic universal voltage 120-277V, less than 10% harmonic distortion with minimum starting temperature of -18°C (0°F). HID ballasts are standard HPF core & coil with minimum starting temperatures of -40°C (-40°F) for HPS and -30°C (-20°F) for MH.

Catalog #		Type
Project		
Comments		Date
Prepared by		

### Fasteners

Four stainless-steel TORX® screws with center reject pin. Screw heads are recessed into casting to maximize tamper-resistance. Sealed with a gasket, fasteners are captive.

### Finish

Finish is TGIC, textured, thermoset polyester-powdercoat that is applied in five-stage process at 2.0-mil thickness and baked on at 400° F. Finish is 500-hour-salt-spray test-rated and has an impact rating of 160 inch/pounds.

### Labels

CUL wet-listed for wall and ceiling.

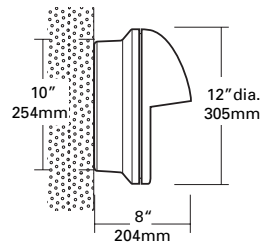


## EYELITE 12"

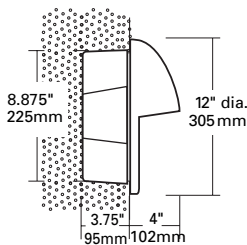
Harmony(TM)

**26W - 42W**  
Compact Fluorescent

**50W - 100W**  
High Pressure Sodium  
Metal Halide



**EFS-12, ERS-12,  
ELS-12, ENR-12**  
50W-100W HPS/MH  
26W-42W CT



**EFR-12, ERR-12,  
ELR-12, ENR-12**  
50W-70W HPS/MH  
26W-32W CT

TORX® is a registered trademark of  
Camcar Division of Textron Inc.



ORDERING INFORMATION

SAMPLE NUMBER: EFS-12-50MH-DT-WH-RSM

**Product Family**

**EFS-12**=EyeLite Forward throw surface, 12" Round  
**EFR-12<sup>1</sup>**=EyeLite Forward throw regressed, 12" Round  
**ELS-12**=EyeLite Left throw surface, 12" Round  
**ELR-12<sup>1</sup>**=EyeLite Left throw regressed, 12" Round  
**ERS-12**=EyeLite Right throw surface, 12" Round  
**ERR-12<sup>1</sup>**=EyeLite Right throw regressed, 12" Round  
**ENS-12<sup>2</sup>**=EyeLite Narrow throw surface, 12" Round  
**ENR-12<sup>1,2</sup>**=EyeLite Narrow throw regressed, 12" Round

**Lamp Wattage/ Type**

**Compact Fluorescent**  
 26CT  
 32CT  
 42CT  
**HID**  
 50MH  
 70MH  
 100MH  
 50HPS  
 70HPS  
 100HPS


**Voltage**

**Compact Fluorescent**  
 DT=120/277  
 347=347V  
**HID**  
 120V=120V  
 208V=208V  
 240V=240V  
 277V=277V  
 347V=347V  
 DT<sup>3</sup>=Dual Tap 120/277V (wired 277)  
 MT<sup>3</sup>=Multi Tap 120/208/240/277 (wired 277)

**Color**

BK=Black  
 WH=White

**Options**

(add desired options to catalog number in order)  
**CHR**=Molded Glass Chroma Lens, Cobalt Blue  
  
**EM<sup>4</sup>**=Emergency Battery Pack  
**F1<sup>5</sup>**=Fuse  
**L**=With lamp  
**Q**=Quartz restrrike (lamp supplied by others)  
**SC**=(3) side conduit taps w/plugs (top, left, right)  
**RSM**=Rough surface mounting

**Back Box Application Regressed Fixture only**

**BB**=Standard regressed housing (Combustible Materials)  
**CP**=Concrete pour regressed housing (Non-Combustible Materials Only)

**Accessories**

(Order Separately)  
**VRSD**=TORX<sup>®</sup> screwdriver  
**VRSB**=TORX screwdriver bit

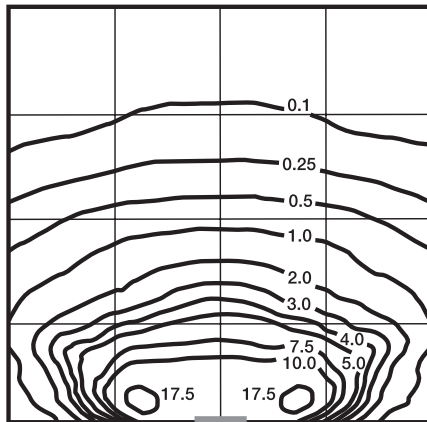
**Notes:** For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice. Wall mount Only. ENS & ENR recommended for uplight.

<sup>1</sup> 70W maximum all regressed fixtures. Wall mount only. Back box may be shipped in advance-Consult Regressed Housing Mounting & Ordering Information. <sup>2</sup> Recommended for uplight. <sup>3</sup> Available wired voltages other than 277V, add desired voltage before MT or DT; (e.g. 120V/MT). <sup>4</sup> Compact fluorescent fixtures only. Surface mount fixtures require deep (HID) housing. Available in semi-recessed. <sup>5</sup> For HID specify single voltage only. TORX<sup>®</sup> is a registered trademark of Camcar Division of Textron Inc.

PHOTOMETRICS

**Candlepower Distribution**

100w MH ITL# 49089, Initial FC



**Footcandle Multipliers**

For other than 8' mounting heights use appropriate multiplier value:

6'	8'	10'	12'	14'
x1.7	x1.0	x0.64	x0.44	x0.32

**Shipping Information**

Cat. No.	Weight
EFS - 12 - XXMH	12.0 lbs
EFS - 12 - XXHPS	12.0 lbs
EFR - 12 - XXMH	15.0 lbs
EFR - 12 - XXHPS	15.0 lbs
EFR - 12 - XXCT	10.0 lbs

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**ENERGY DATA**

**Input Watts:**

<b>Electronic</b>	
(1) 26W Compact Triple	27.0 Watts
(1) 32W Compact Triple	37.0 Watts
(1) 42W Compact Triple	47.0 Watts
<b>High Power Factor</b>	
(1) 50W HPS	60.0 Watts
(1) 70W HPS	95.0 Watts
(1) 100W HPS	130.0 Watts
(1) 50W MH	69.0 Watts
(1) 70W MH	94.0 Watts
(1) 100W MH	125.0 Watts

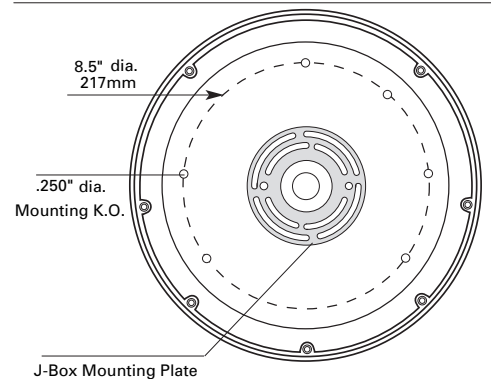
**J-Box Mounting**

Rotationally adjustable mounting bracket is screwed to J-Box. Fixture attaches to plate with (2) 1/4" - 20 studs and nuts.

**Surface Mounting**

6 knock outs are provided in casting for mounting directly to surface. Mounting hardware supplied by others.

**SURFACE HID & COMPACT FLUORESCENT & COMPACT FLUORESCENT WITH EMERGENCY BATTERY PACK**



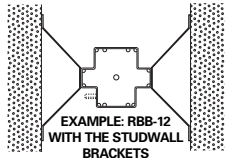
REGRESSED HOUSING MOUNTING AND ADVANCED ORDERING INFORMATION

REGRESSED SAMPLE NUMBER

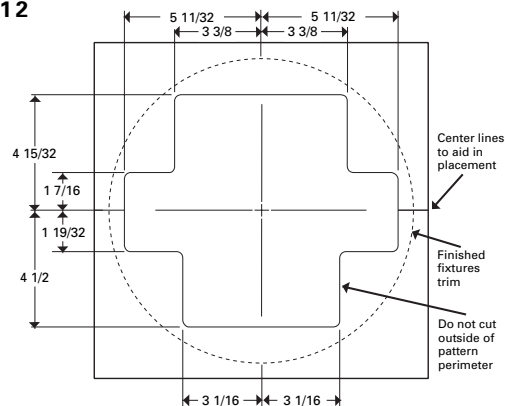
**EFR-12-50MH-DT-BK-BB = EFR-12-LH-50MH-DT-BK-BB + RBB-12**  
*Complete Unit*

**BB=Combustible Material Application**  
**CP=Brick or Concrete Pour**

**LH=Less Regressed Housing**



**The following regressed housings may be ordered in advance**  
**RBB-12-F=**For Combustible (Studwall) Applications - Fluorescent Fixtures Only  
**RBB-12=**For Combustible (Studwall) Applications - HID and Incandescent Fixtures Only  
**RCP-12=**For Non-Combustible (Brick, Concrete-Pour) Applications - HID, Fluorescent, and Incandescent Fixtures



Cut-out Template Dimensions Included