

keystone to the future

Capri CI LED Luminaire. bridging the path to the lighting of tomorrow

PHILIPS
capri

affordable su



sustainability



The CI LED luminaire series from Capri offers an economical solution to the need for more sustainable lighting. Capri products utilize the most energy efficient technologies, while positioning products in the marketplace to be the keystones that bridge the path to the future of lighting.

Capri Lighting recognizes that to make a significant change in the way lighting impacts our environment, not only do products have to be viable replacements for current lighting solutions, but they also have to be viable within a budget. Real change cannot be achieved if products are unattainable for the average end user.

CI LED products meet all the criteria. CI LED luminaires are available in 6 & 8 inch apertures, in both new construction and remodel configurations. The LED electrical is provided with the reflector attached for easy installation and consistent distribution.

Capri Lighting is committed to providing energy efficient lighting solutions for the commercial downlighting market.

numbers that



PERFORMANCE

3000K
19 watt
965 lumens delivered
50.8 lumens per watt

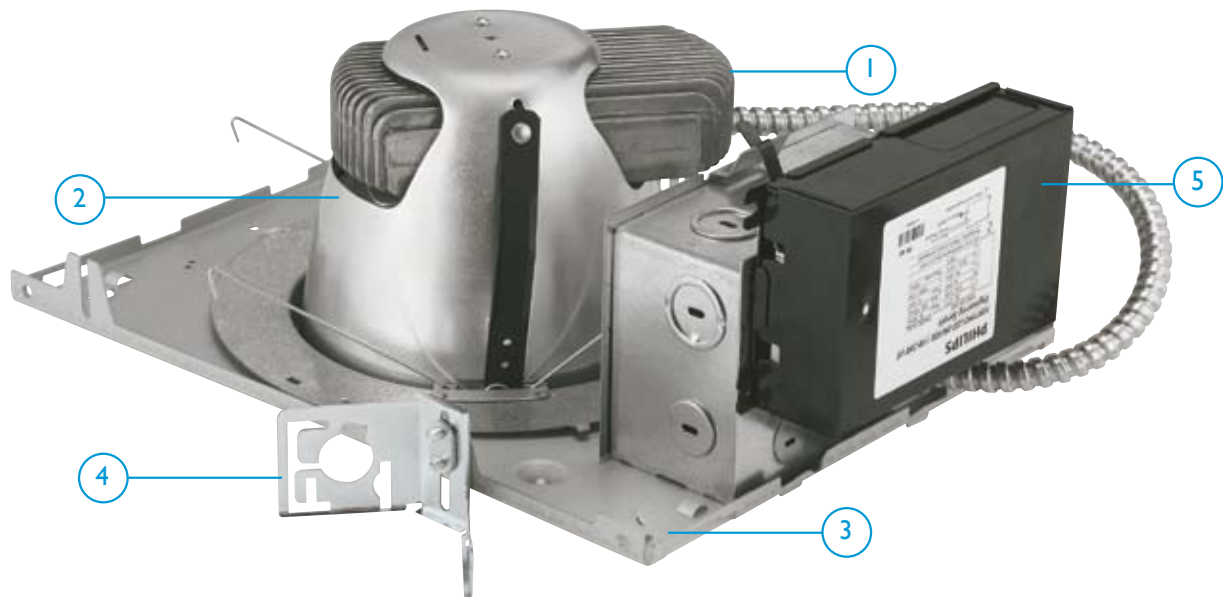
4000K
18 watt
965 lumens delivered
53.6 lumens per watt

CRI \geq 80
120V and 277V
5 year limited warranty

CI LED products address energy consumption issues, as well as construction and budget issues. CI LED utilizes the flexibility of traditional CI hardware to offer a variety of budgeting options during construction.

CI LED Remodel provides users with a viable solution when faced with the task of lessening their environmental impact.

add up



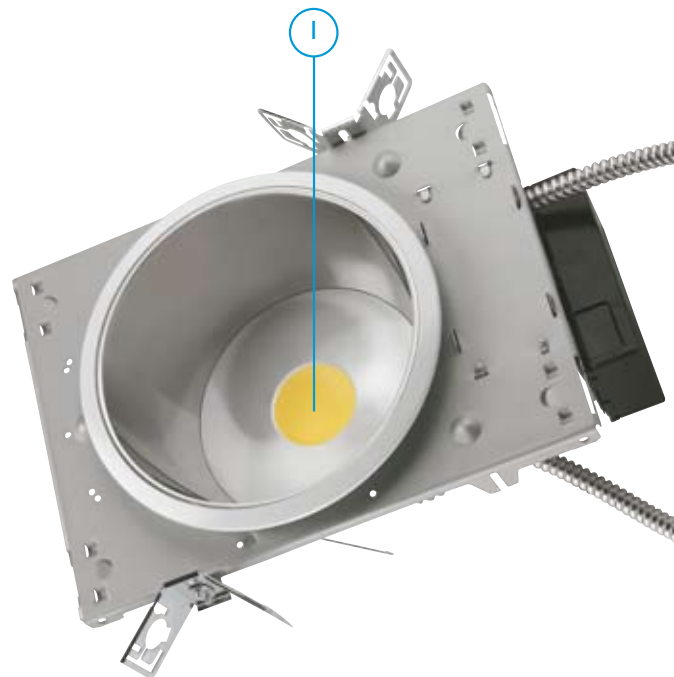
1. LED Module and Heat Sink-The Fortimo LED module utilizes remote phosphor technology that provides smooth, even illumination and even color temperature from fixture to fixture. It is a UL recognized component. The module is attached directly to a die-cast aluminum heat sink that helps the package run cool to ensure long life. The die-cast heat sink is mounted directly to each reflector and is pre-wired to the driver and junction box door for easy installation.

2. Reflector - Precision spun low iridescent .050 aluminum. Separate injection molded, white polycarbonate trim ring; self flanged versions available.

3. Frame - 22 gauge die stamped metal frame with flanged edges to provide a smooth handling surface. Frames can be installed before LED Module and reflector has been determined. Suitable for installation in environmental air-handling ceilings.

4. Mounting Bracket - Mounting Bracket accommodates all types of bar hangers including CH24, CH48, BHI, BH3 and 1/2" EMT, allowing for quick and easy installation of the frame.

5. Junction Box - Standard thermal protection device automatically takes the fixture out of service if temperature becomes excessive due to improper installation.



Philips Fortimo -The Heart of the System

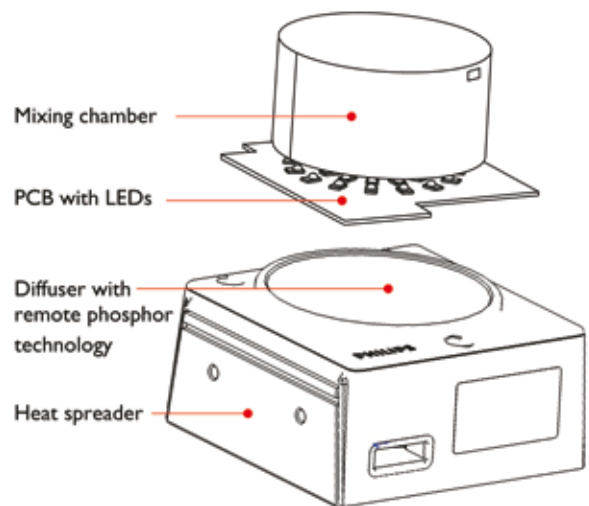
The new CI LED features the Fortimo system from Philips, so quality, reliability and a trusted name are built right in. The 1100 lumen package in 3000K and 4000K provides superior and consistent illumination from luminaire to luminaire, as well as throughout the space.

Fortimo is a modular LED system with plug-in connectors at both the driver and LED module. In the unlikely event of component failure, change out can be achieved quickly and easily.

The LED module consists of four main components:

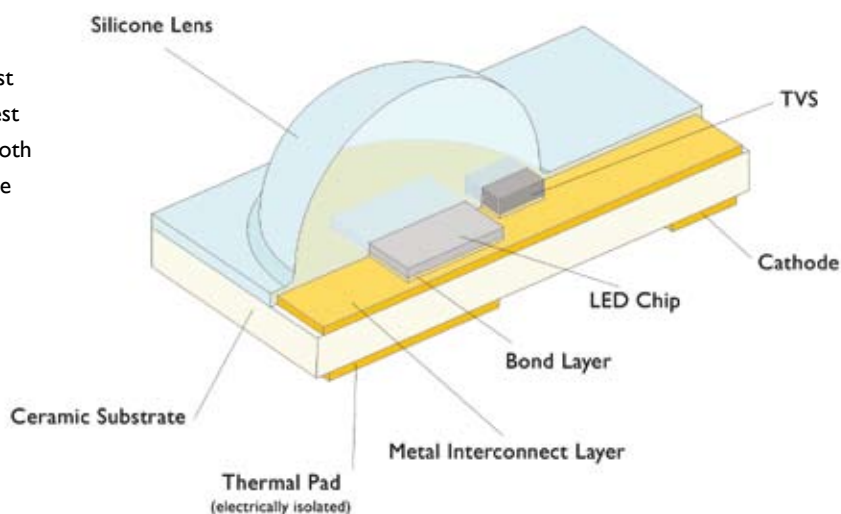
1. PCB with LEDs
2. Mixing chamber
3. Heat spreader
4. Diffuser with remote phosphor technology

High-quality white light with high efficiencies is achieved with a plain PCB with LEDs and remote phosphor film layer. The mixing chamber ensures perfectly mixed light, resulting in uniform colors and good color consistency. The square heat spreader facilitates optimal heat transfer to the heat sink. The remote phosphor technology provides consistent color temperature in both 3000K and 4000K versions. The function of the diffuser is to shape the light distribution, resulting in a Lambertian beam.



LUXEON Rebel

LUXEON Rebel is the smallest surface mountable power LED available today. With the industry's best lumens per package, highest light density (lumens per mm²), and the highest packing density, LUXEON Rebel is ideal for both space-constrained and conventional solid state lighting applications.



Fortimo LED Driver

The highly efficient Fortimo DLM driver is specially designed to operate the Fortimo LED module.

Features include:

- maximum current settings of 700mA
- max. 80V enables operation of many LEDs in series
- high efficiency: 92% at full load(120-277V)
- $T_{case} = 65^{\circ}C$



Fortimo LED DLM addresses binning issue

High-quality LED light is achieved by mixing the light of blue LEDs and applying a special Fortimo phosphor technology remote from the LEDs. High-quality white light is characterized by a color rendering of 80+, popular CCTs in general lighting applications of 3000K and 4000K and a color consistency comparable with conventional CFL and HID solutions.

6 inch ordering information

NEW CONSTRUCTION & REMODEL

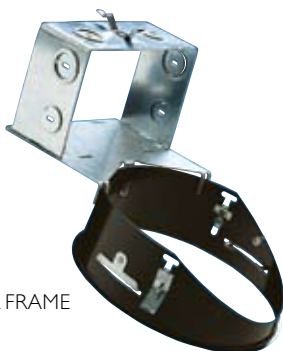
SAMPLE CATALOG NUMBER⁵: CM6-LI | I9F/830/I20-H65SL

Frame ⁵	Family	Lumen Package	Wattage	LED Module	CCT	Voltage	Trims (choose one) ^{3,4}
CM6 6 inch	L LED	II I100	18¹ 18 watt	F Fortimo	830² 3000K	120 120 Volt	H63 Gold Reflector
CM6R 6 inch remodel frame			19² 19 watt		840¹ 4000K	277 277 Volt	H63SL Gold Reflector; Self Lipped
							H64 Black Reflector
							H64SL Black Reflector; Self Lipped
							H65 Low Irdescent Reflector
							H65SL Low Irdescent Reflector; Self Lipped
							H66 White Reflector
							H66SL White Reflector; Self Lipped
							H67 Wheat Reflector
							H67SL Wheat Reflectors; Self Lipped
							H65BC Black Baffle, Clear Lens Insert
							H65XB Clear Cross Baffle Reflector
							H65BF Black Baffle, Fresnel Lens Insert
							H65BP Black Baffle, C73 Prismatic Lens
							H65B Low Irdescent Refl. Black Baffle
							H65VB Low Irdescent Refl., White Baffle
							H65WBC White Baffle, Clear Lens Insert
							H65WBF White Baffle, Fresnel Lens Insert
							H65WBP White Baffle, C73 Prismatic Lens
							HW63 Gold Reflector; Single Wall Wash
							HW63 Gold Refl., Double Wall Wash
							HW65 Low Irdes. Refl., Single Wall Wash
							HW65 Low Irdes. Refl., Double Wall Wash
							H65C Clear Cone, Clear Lens Insert ²
							H65F Clear Cone, Fresnel Lens Insert ²
							H65P Clear Cone, C73 Prismatic Lens ²
							H66C White Splay, Clear Lens Insert ²
							H66F White Splay, Fresnel Lens Insert ²
							H66P White Splay, C73 Prismatic Lens ²
							H65SWR Shower Trim

Footnotes:
 1. 4000K module draws 18 watts; lumen package remains the same.
 2. 3000K module draws 19 watts; lumen package remains the same.
 3. Reflectors are included as part of the assembly and must be included with the catalog number.
 4. SL Flange color is the same as reflector color.
 5. Frame ships separately from electrical/reflector assembly.

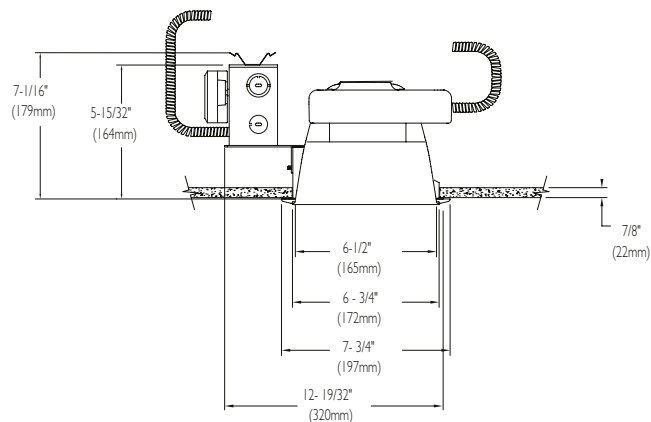
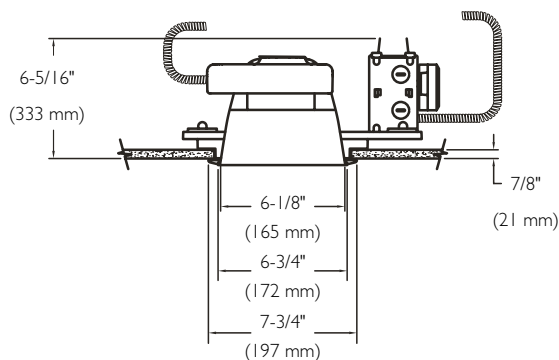
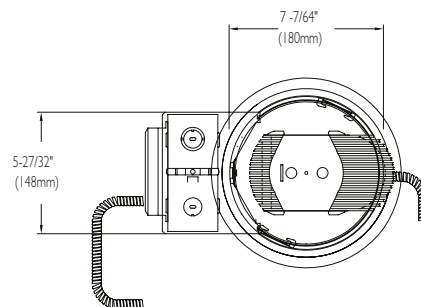
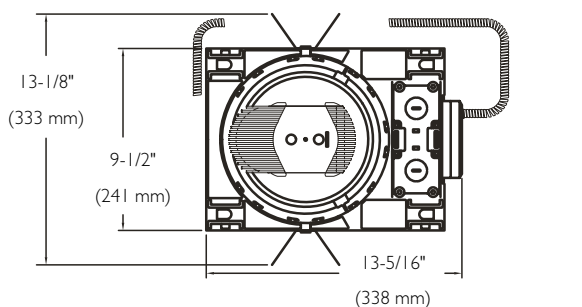


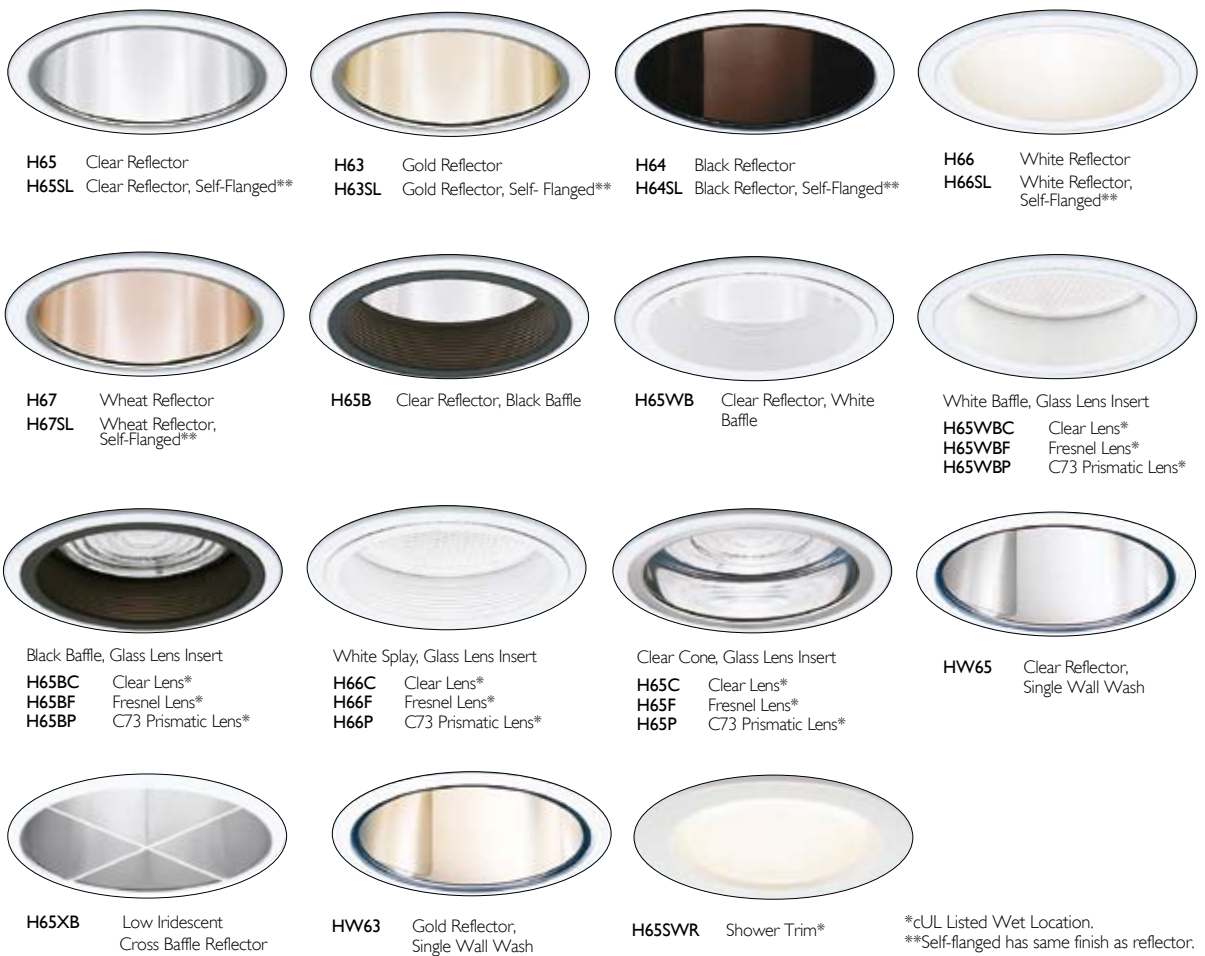
CM6 LED



REMODEL FRAME

DIMENSIONS



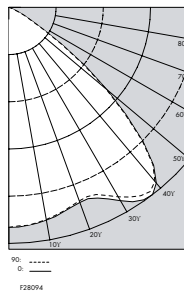


CILED6-H65SL

Report number: 28094
Lamp: (1) 18WLED;
1100 lumens
Fixture Efficiency: 87.7%
S/MH Ratio
(0 degree plane): 1.6
(90 degree plane): 1.6
Total Fixture Lumens: 965
IES file: F28094.IES
Beam Angle: 102.73

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	13.0	13 - 9
10	7.0	18 - 9
12	4.4	23 - 9
14	3.0	28 - 9
16	2.2	33 - 9

DISTRIBUTION CURVE



CANDLE POWER

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	2	2	124
65	17	17	644
55	117	116	3250
45	340	338	7671
35	421	412	
25	377	370	
15	379	378	
5	392	392	
0	394	394	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC	80			50			10		
	50	30	10	30	50	10	30	50	10
0	104	104	104	96	96	96			
1	94	92	90	89	86	84			
2	84	81	77	81	77	73			
3	77	70	66	72	68	65			
4	68	63	57	66	60	56			
5	61	56	51	59	54	50			
6	56	50	45	54	48	44			
7	52	45	40	50	44	39			
8	46	40	35	45	39	34			
9	42	35	32	41	35	32			
10	40	33	28	38	33	28			

BAR HANGER OPTIONS



BH3 - 27" Flat Bar Hangers



CH24 - C - channel for 24" T-Grid Spacing



CH48 - C- channel for 48" T-Grid Spacing



BHI - 25" Adjustable Bar Hangers

8 inch ordering information

NEW CONSTRUCTION & REMODEL

SAMPLE CATALOG NUMBER: CM8R-LI | 18F/840/277-H65

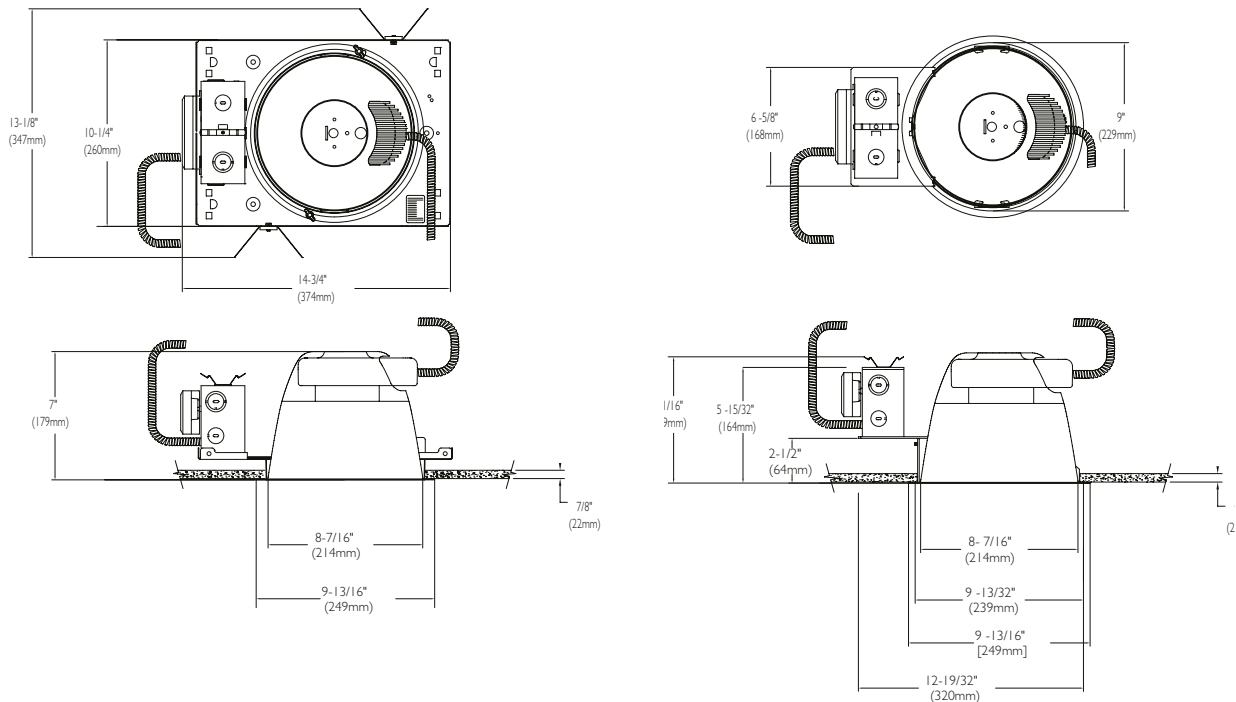
Frame ⁵	Family	Lumen Package	Wattage	LED Module	CCT	Voltage	Trims (choose one) ^{3,4}
CM8 8 inch	L LED	11 1100	18¹ 18 watt	F Fortimo	830² 3000K	120 120 Volt 277 277 Volt	H83 Gold Reflector H83SL Gold Reflector, Self Lipped H84 Black Reflector H84SL Black Reflector, Self Lipped H85 Low Iridescent Reflector H85SL Low Iridescent Refl., Self Lipped H86 White Reflector H86SL White Reflector, Self Lipped H87 Wheat Reflector H87SL Wheat Reflectors, Self Lipped H85BC Black Baffle, Clear Lens Insert H85XB Clear Cross Baffle Reflector H85BF Black Baffle, Fresnel Lens Insert H85BP Black Baffle, C73 Prismatic Lens H85B Low Iridescent Refl. Black Baffle H85WB Low Iridescent Refl., White Baffle H85WBC White Baffle, Clear Lens Insert H85WBF White Baffle, Fresnel Lens Insert H85WBP White Baffle, C73 Prismatic Lens HW83 Gold Reflector, Single Wall Wash HWD83 Gold Reflector, Double Wall Wash HW85 Low Irides. Refl., Single Wall Wash HWD85 Low Irides. Refl., Double Wall Wash H85C Clear Cone, Clear Lens Insert ² H85F Clear Cone, Fresnel Lens Insert ² H85P Clear Cone, C73 Prismatic Lens ² H86C White Splay, Clear Lens Insert ² H86F White Splay, Fresnel Lens Insert ² H86P White Splay, C73 Prismatic Lens ² H85SWR Shower Trim
CM8R 8 inch remodel frame			19² 19 watt		840¹ 4000K		

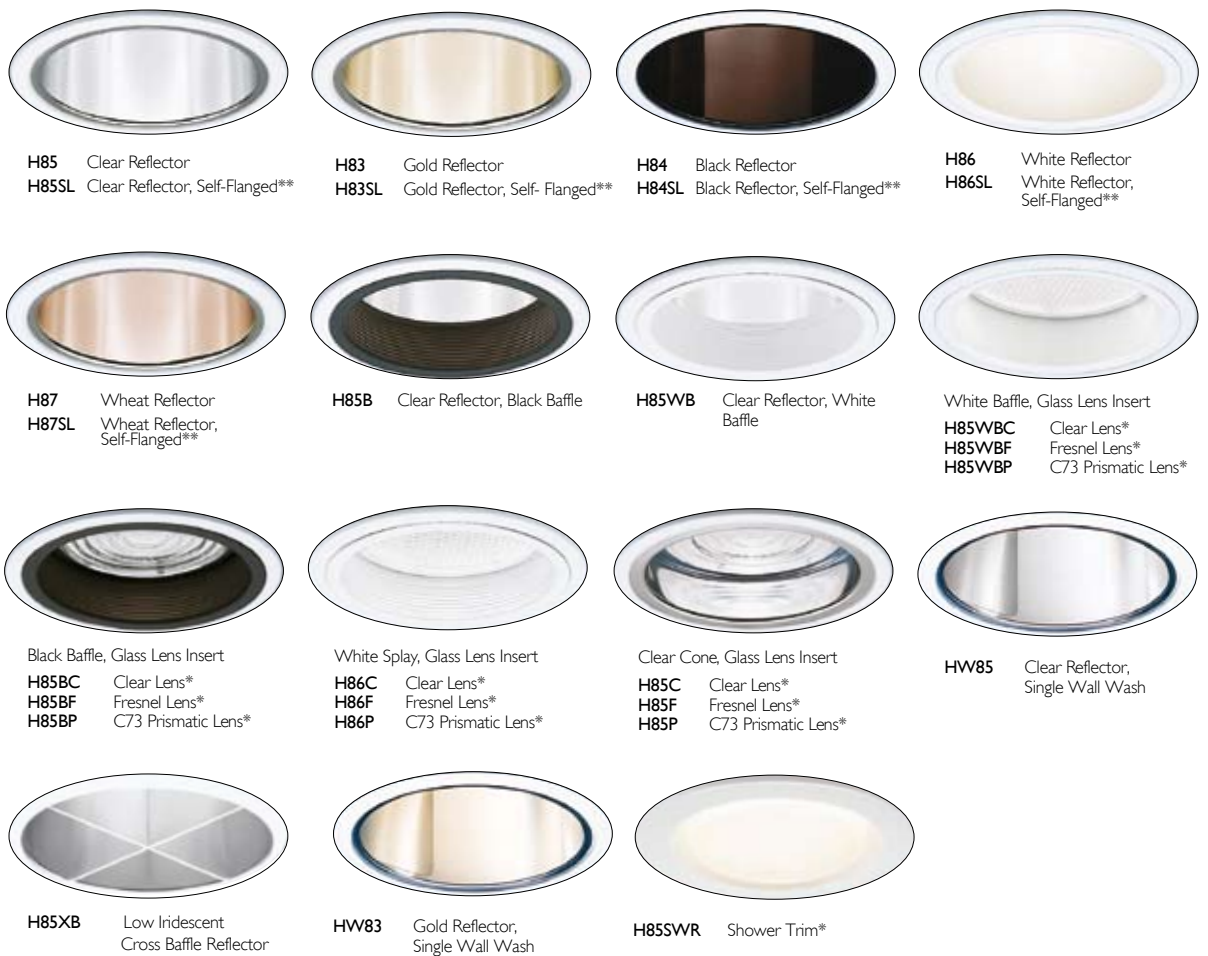
Footnotes:

1. 4000K module draws 18 watts; lumen package remains the same.
2. 3000K module draws 19 watts; lumen package remains the same.
3. Reflectors are included as part of the assembly and must be included with the catalog number.
4. SL Flange color is the same as reflector color.
5. Frame ships separately from electrical/reflector assembly.



DIMENSIONS





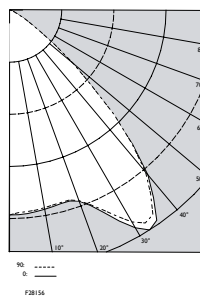
*cUL Listed Wet Location.
**Self-flanged has same finish as reflector.

CI LED8-H85SL

Report number: 28156
Lamp: (1) 18W LED
Fixture Efficiency: 86.6%
S/MH Ratio
(0 degree plane): 1.6
(90 degree plane): 1.6
Total Fixture Lumens: 952
IES file: 28156.IES
Beam Angle: 95.93

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	13.1	12 - 2
10	7.0	16 - 8
12	4.4	21 - 1
14	3.0	25 - 6
16	2.2	29 - 11

DISTRIBUTION CURVE



CANDLE POWER

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	1	0	52
75	4	2	104
65	14	13	287
55	73	65	1083
45	286	274	3564
35	483	496	
25	426	432	
15	385	387	
5	391	395	
0	396	396	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			50		
	RW	50	30	10	30	50
0	103	103	103	103	101	101
1	96	93	91	89	94	92
2	90	84	81	77	88	83
3	83	77	71	67	81	76
4	78	69	64	58	76	68
5	72	63	56	52	70	61
6	68	57	51	46	66	56
7	63	53	46	41	61	52
8	58	47	41	36	56	47
9	55	44	38	34	54	44
10	51	40	34	30	50	40

BAR HANGER OPTIONS



BH3 - 27" Flat Bar Hangers



CH24 - C - channel for 24" T-Grid Spacing



CH48 - C - channel for 48" T-Grid Spacing



BH1 - 25" Adjustable Bar Hangers



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