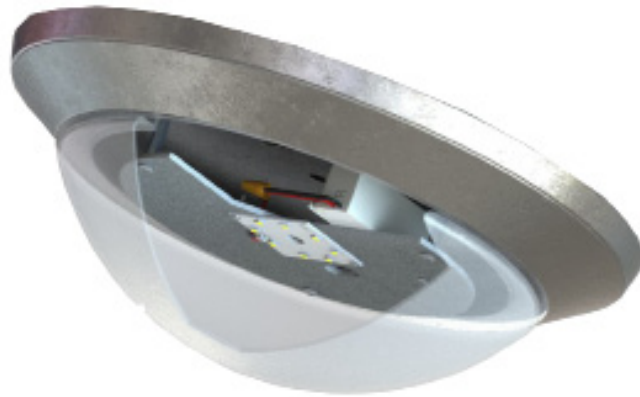


Residential Close-to-Ceiling Light Engine



Features & Benefits

- Tested per LM-82 requirements
- 8" diameter round or 6"x8" rectangular are ideal sizes for ceiling luminaires
- Constant current design
- Dimmable down to 5% with many standard triac or electronic low voltage (ELV) wallbox dimmers
- Integral aluminum heatsink Patented intelligent thermal design uses metal core board (MCPCB)
- Features center-hole design for luminaires with center mounting rods
- Easily configured into existing and new luminaires
- Optional frosted optical diffuser for clear lens applications



Ratings and Performance Specifications

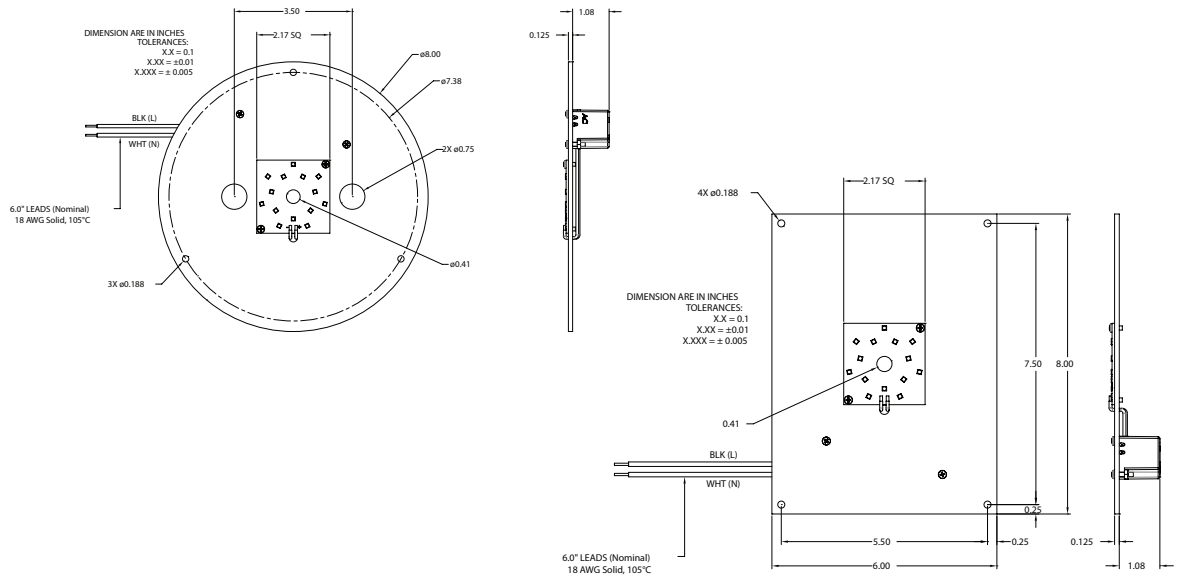
Nominal AC Power Consumption @ 120VAC	14W
Nominal Input Voltage	120VAC
Maximum Operating Range Ambient Temperature (Ta)	-40 to +50 °C
Maximum Solder Pad Temperature (Ts)	+105 °C
Maximum Driver Case Temperature (@ designated temperature measurement point, TMP).....	+75 °C
Estimated Lumen Depreciation (LM80 standard)	70% of initial lumens (L ₇₀) at 40,000 hours
Maximum Weight	TBD grams

Application Notes

1. Although this engine is designed with an integral heat sink, care should be taken in the luminaire designs that will use this engine to allow heat to escape the system.
2. Abnormal operating conditions such as elevated operating temperatures can be expected to negatively impact lumen output, product lifetime, or product performance.
3. Product is dimmable with most triac or electronic dimmer. See www.BrilliaLED.com for application notes and wiring diagrams. For technical support or application assistance, please contact Permlight.

BEH14 RC Series
(Replaces BEH20 DM and BEH20 CM)

Physical Dimensions



Part Number	Correlated Color Temperature (Kelvin)	Light Output (Lumens)	Power (Watts - AC)	Minimum Efficacy (LPW)	CRI ⁽¹⁾	Input Voltage Dimmable (VAC)
BEH14RC27 - RECT	2700	1060	14	75	80	Yes
BEH14RC27 - RND	2700	1060	14	75	80	Yes
BEH14RC30 - RECT	3000	1100	14	78	83	Yes
BEH14RC30 - RND	3000	1100	14	78	83	Yes
BEH14RC35 - RECT	3500	1130	14	80	83	Yes
BEH14RC35 - RND	3500	1130	14	80	83	Yes

¹Nominal Values

Options

Other LED colors availableplease email sales@brillialed.com

Packaging

Brillia LED Light Engines are packed in individual containers with ESD bags as applicable and are marked with relevant SKU information and lot traceability.

Warranty

3-Year limited warranty in accordance with Brillia published warranty at www.brilliaLED.com. No maximum ratings (such as Ts) shall be exceeded during any expected operating conditions of the system.

CAUTION: LEDs generate intense optical radiation which may cause discomfort.

Patents

Permlight Products Inc. holds the following United States patents of which one or more may be applicable to the design and/or manufacture of this product. Additional granted patents, patents pending and other intellectual property protection rights may apply to this product.

United States Patents: 6712486, 6578986, 6846093, 7114831, 7306353, 7102172, 7108396, 7329024, 7387406, 7582911, 7582911, 7649327

www.brillialed.com