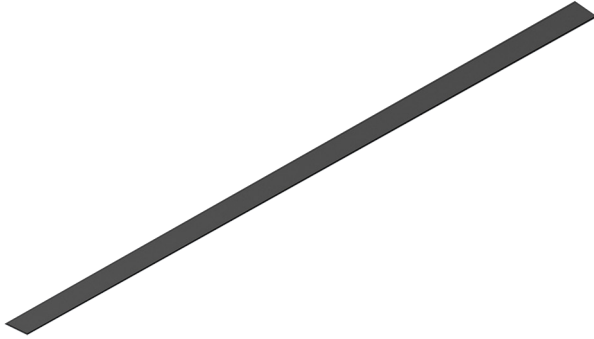


LSR1 Black Optic recessed

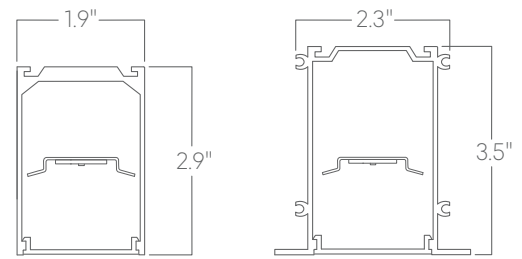


The Black Optic Series of architectural luminaires seamlessly blends into dark surroundings. Custom lengths and patterns are tailored to suit any modern space.

Features

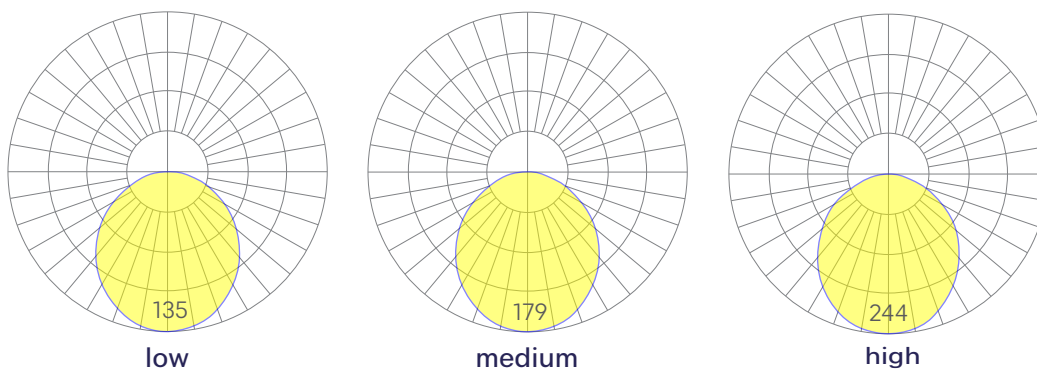
- Extruded, recycled aluminum housing
- Aluminum core LED boards, specifiable output
- Specifiable color temperature. CRI > 90, R9 >50
- Custom lengths, welded patterns, and finishes available
- Integral specifiable dimmable drivers or PoE
- 5 Year, 50,000 hour warranty, damp location rated
- WELL Building Standard compatible [learn more](#)

Dimensions



grid/slot grid/millwork flange/mud-in flange

Optics



Representative distribution and peak candela. For other options see order information or IES files [here](#).

LSR1 Black Optic recessed

Ordering Information



Example: LSR1 BKO - 8 - 35 - LOW - UNV - DB - W - NT - BKO - CCS - DAYCKT - NA

Fixture ID <input type="text" value="1"/>	Length <input type="text" value="2"/>	Color Temperature <input type="text" value="3"/>	Output <input type="text" value="4"/>
LSR1 BKO	2 2 ft 4 4 ft 8 8 ft X'-X" Specify Length PAT Pattern (Consult Factory) <small>*Precision lengths may be specified to the nearest 1/8".</small>	27 2700K/90 CRI 30 3000K/90 CRI 35 3500K/90 CRI 40 4000K/90 CRI 50 5000K/90 CRI WD¹ Warm Dim 2200K-3000K TW² Tunable White 2700K-6500K RGBW30³ RGB +white, 3000k RGBW35³ RGB +white, 3500k RGBW40³ RGB +white, 4000k <small>¹Must use WD10 driver. ²Must use TW10 or PSQ driver. ³Must use remote DMX driver. "High" output not available.</small>	LOW Low output MED Medium output HIGH High output CUST Custom output ¹ <small>¹consult factory</small>
Voltage <input type="text" value="5"/>	Driver <input type="text" value="6"/>	Finish <input type="text" value="7"/>	Mounting <input type="text" value="8"/>
UNV Universal (120/277V) 347V¹ 347V <small>¹Must use DB Driver</small>	DB Standard 0-10V 1% DB.1% 0-10V 0.1% ELV² Reverse Phase 1% (120V only) TRI² Forward phase (120V only) LDE1 Lutron Digital EcoSystem DALI DALI-2 Driver PoE Power over ethernet TW10 Dual channel, 0-10V for tunable white. WD10 0-10V Warm Dim PSQ Lutron T-Series 2-channel 1% for tunable white DMX¹ DMX512 <small>¹Set to default address 001. Contact us for other addressing needs. All DMX drivers provided in remote enclosures. ²For compatible dimmers, click here.</small>	W White BLK Black SLV Silver CC¹ Custom Color CWF¹ Custom Wood Finish <small>¹Custom Color. See finish options here. White SJ cord and canopy provided; for other requests, see section 12 to specify.</small>	T 9/16" Tee Grid T15 15/16" Tee Grid SG Slot Grid/Interlude F Flange NT Mud-in Flange PM-X¹ Perimeter Mount MW² Millwork <small>¹'X' denotes mounting type on opposite side of wall (eg PM-NT). ²Consult Factory</small>
Optics <input type="text" value="9"/>	Sensors/Controls <input type="text" value="10"/>	Circuit <input type="text" value="11"/>	Options <input type="text" value="12"/>
BKO Black Optic	NA None ACM Acuity nLight Module Only CCS Casambi Module AWNRR Lutron Athena Wireless Node Module <small>Consult factory for other options.</small>	NA None EMCKT Emergency Circuit DAYCKT Daylight Circuit	NA None WH 6ft whips preinstalled CP Chicago Plenum

Performance

Output ¹	Watts/ft	Lumens/ft	LPW
Low	5	98	20
Medium	7	130	19*
High	10	177	18

¹Based on a typically configured 90 CRI, 3500K luminaire using one driver. Custom outputs available. Please consult factory.
For 4000K multiply by 1.05, for 3000K 0.96, for 2700K, 0.92

*80 CRI equivalent 22 LPW

Technical Information



Click [here](#) or scan QR code

Wiring diagrams, PoE and sensor details

Modification date: January, 2023

Page 2 of 4

LSR1 Black Optic recessed

Drivers & Electrical

Integral drivers* with 0-10V Dimming standard. Several other driver options available; see ordering information.

*DMX drivers are provided in remote enclosures.

Sensors & Controls

Sensors are installed on an aluminum plate adjacent to the luminaire lens. Coronet remains agnostic in our approach to sensors and control systems; our fixtures are compatible with most systems offered.

Emergency Back-Up

Emergency circuits for use with building generators available.

PoE (Power over Ethernet)

Compatible with virtually all PoE systems including Molex Coresync, Igor, Smartengine, Platformatics, and NuLED SPICEbox. Consult Factory for systems not listed, See [here](#) for more info.

Finishes

All luminaires are finished in high quality polyester powder coating. Our standard color is white. Any RAL color may be specified.

Weight

5lbs per foot

Patterns

Featuring illuminated welded corners and angles. Consult factory for custom designs and elevations.

Optics

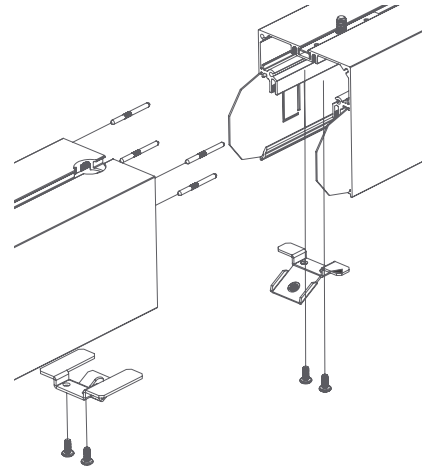
Room facing lens is black when unilluminated, seamlessly blending into dark environments. Uplight is available for some models.

Construction

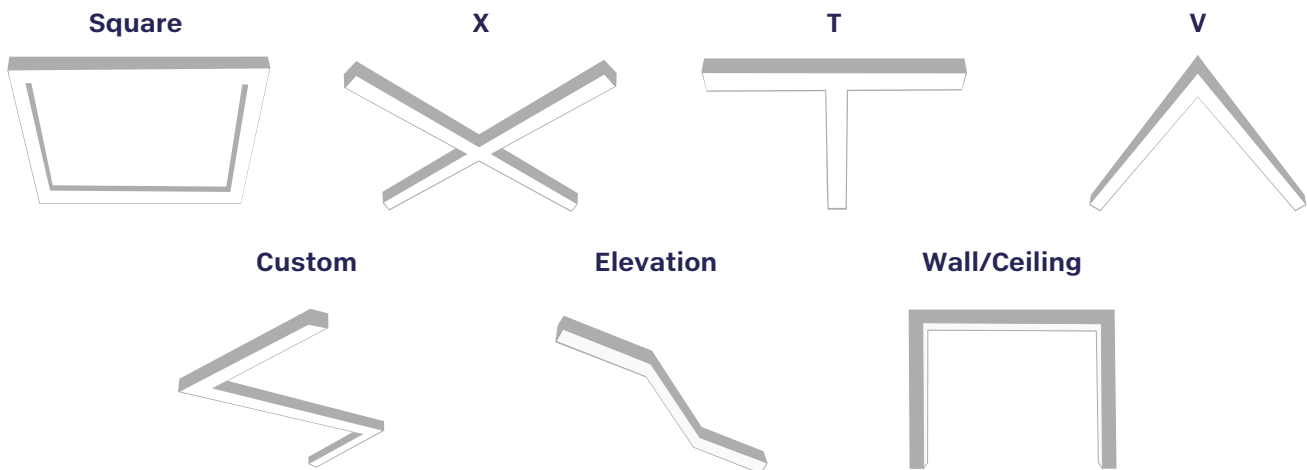
Housings are extruded premium, recycled aluminum. Individual fixtures are available up to 12' long and may be specified as nominal or precision lengths. Precision lengths are supplied within 1/8" tolerance.

Joined Runs

Runs of any length may be specified and are comprised of multiple, factory-engineered, joined sections. Individually specified luminaires are not field joinable.



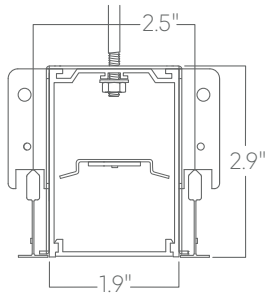
Representative joinery. For product specific details see installation guides or submittal drawings.



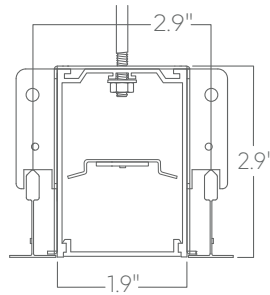
LSR1 Black Optic recessed

Mounting Options

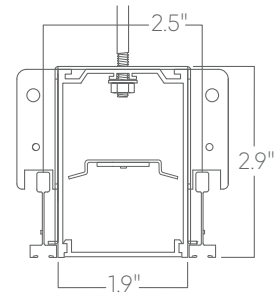
Custom mounting types and ceiling transitions available; consult factory.



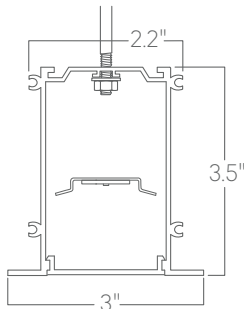
T
9/16" tee grid



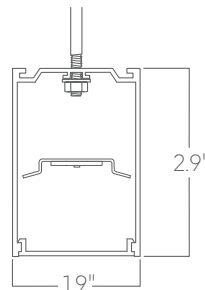
T15
15/16" tee grid



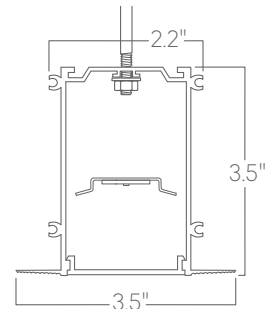
SG
slot grid



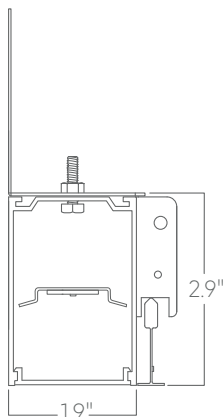
F
flange



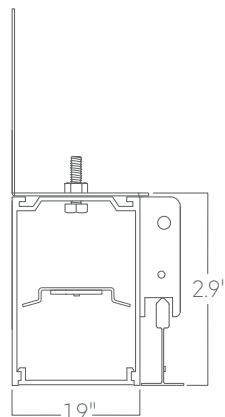
MW
millwork



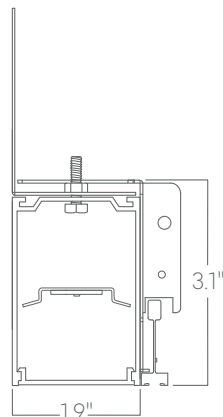
NT
mud-in¹



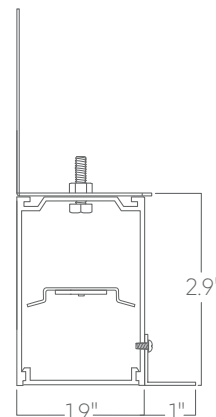
PM-T
perimeter to 9/16" tee grid



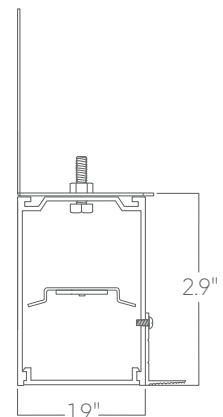
PM-T15
perimeter to 15/16" tee grid



PM-SG
perimeter to slot grid



PM-F
perimeter to flange



PM-NT
perimeter to mud-in

¹Installation that alters aperture width compromises lens security. Installer must ensure aperture width is maintained.