

# ACME SEMI

## Φ78 Engine

### Trimless Adjustable Round Downlight



CUTOOUT :78mm



Adjustable Optic



Accessories can be ordered separately

Light Engine



SKU : EN-78

Trimless

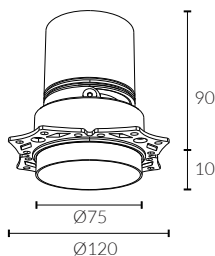


SKU : BZ-78-TL

Semi Baffle



SKU : BF-78-M



Standard



Black  
Painted  
9005



White  
Painted  
9016

Curated Finishes (MOQ 20 applies)



Bright  
Chrome



Regency  
Champagne



Antique  
Copper



Heritage  
Brass



Dark  
Brass

**IP Rating:**

IP44 front

**Optics:**

5°/15°/24°/36°/50°

**UGR:**

<10

**CRI/RF/RG/R9:**

typ. 98/95/104/97

**Lifetime:**

50,000 hrs (L90 B10)

**CCT:**

2700K / 3000K / 3500K / 4000K / 2700K-6000K

**CCT on request:**

High efficiency 3000K / 2200K / WD 1800K - 3000K  
TW 1800K -3000K / TW 1800K - 4000K

**Typical Source**

110

**Efficacy (lm/W):**

**Control:**

On/off, Phase Cut, 0/1-10V, Dali, Zigbee, Casambi

**Binning**

2 Step MacAdams

**Input:**

AC220-240V 50/60Hz

**Output(15°-50°):**

DC 36V 200mA 8W

DC 36V 250mA 10W

DC 36V 300mA 12W

**Ambient temp:**

-20 °C to 25 °C

**Class:**

III

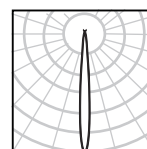
**Optional accessories:** Honeycomb, Elliptical Lens, Solite lens

**Material:**

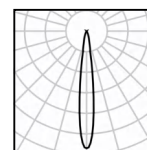
Fine aluminium 6063A

**Certifications:**

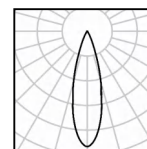
CB, CE, RoHS, ERP, UKCA, GLOBAL MARK,  
60-MININUT FIRE RESISTANCE, CCC, BIS  
IEC-62471-Photobiological-safety



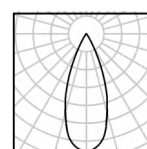
10W Ra98 3000K 5°



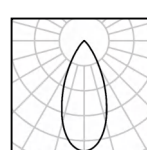
12W Ra98 3000K 15°



12W Ra98 3000K 24°



12W Ra98 3000K 36°



12W Ra98 3000K 50°

| h(m) | E(lx) | D(m) |
|------|-------|------|
| 0.5  | 43452 | 0.05 |
| 1.0  | 10863 | 0.10 |
| 1.5  | 4828  | 0.15 |
| 2.0  | 2716  | 0.20 |
| 2.5  | 1738  | 0.24 |
| 3.0  | 1207  | 0.29 |

| h(m) | E(lx) | D(m) |
|------|-------|------|
| 0.5  | 17662 | 0.13 |
| 1.0  | 4416  | 0.26 |
| 1.5  | 1962  | 0.39 |
| 2.0  | 1104  | 0.52 |
| 2.5  | 706   | 0.65 |
| 3.0  | 491   | 0.78 |

| h(m) | E(lx) | D(m) |
|------|-------|------|
| 0.5  | 6966  | 0.22 |
| 1.0  | 1741  | 0.44 |
| 1.5  | 774   | 0.65 |
| 2.0  | 435   | 0.87 |
| 2.5  | 279   | 1.09 |
| 3.0  | 193   | 1.31 |

| h(m) | E(lx) | D(m) |
|------|-------|------|
| 0.5  | 3324  | 0.32 |
| 1.0  | 831   | 0.64 |
| 1.5  | 369   | 0.96 |
| 2.0  | 208   | 1.28 |
| 2.5  | 133   | 1.61 |
| 3.0  | 92    | 1.93 |

| h(m) | E(lx) | D(m) |
|------|-------|------|
| 0.5  | 1826  | 0.48 |
| 1.0  | 456   | 0.95 |
| 1.5  | 203   | 1.43 |
| 2.0  | 114   | 1.91 |
| 2.5  | 73    | 2.38 |
| 3.0  | 51    | 2.86 |

\*5° uses 12V micro LED; other beams use standard 36V COB.

DuraGreen



### Code example:

#### **AFL 78 12W- M -TL -30 N 36-TB B H**

AFL/ adjustable

78 / cutout 78mm

12W / system power

M / semi baffle

TL / trimless

30 / 3000K

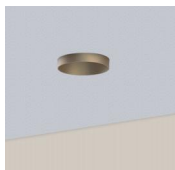
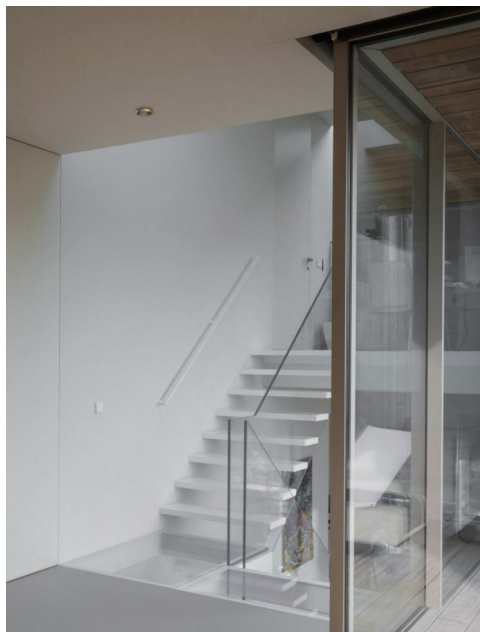
N / non dim

36 / beam angle 36°

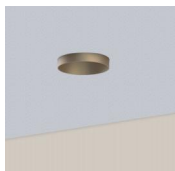
TB / trimless bezel

B / black baffle

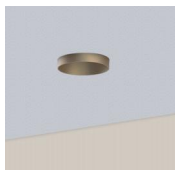
H/ Honeycomb (Optional)



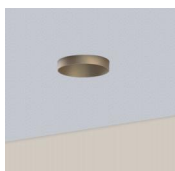
| W system | lm system | optics | code                |
|----------|-----------|--------|---------------------|
| 6W       | 186       | 5°     | AFL7806W-M-TL-30N05 |



| W system | lm system | optics | code                |
|----------|-----------|--------|---------------------|
| 8W       | 255       | 5°     | AFL7808W-M-TL-30N05 |
| 8W       | 573       | 15°    | AFL7808W-M-TL-30N15 |
| 8W       | 548       | 24°    | AFL7808W-M-TL-30N24 |
| 8W       | 519       | 36°    | AFL7808W-M-TL-30N36 |
| 8W       | 600       | 50°    | AFL7808W-M-TL-30N50 |



| W system | lm system | optics | code                |
|----------|-----------|--------|---------------------|
| 10W      | 276       | 5°     | AFL7810W-M-TL-30N05 |
| 10W      | 699       | 15°    | AFL7810W-M-TL-30N15 |
| 10W      | 666       | 24°    | AFL7810W-M-TL-30N24 |
| 10W      | 624       | 36°    | AFL7810W-M-TL-30N36 |
| 10W      | 726       | 50°    | AFL7810W-M-TL-30N50 |



| W system | lm system | optics | code                |
|----------|-----------|--------|---------------------|
| 12W      | 822       | 15°    | AFL7812W-M-TL-30N15 |
| 12W      | 790       | 24°    | AFL7812W-M-TL-30N24 |
| 12W      | 780       | 36°    | AFL7812W-M-TL-30N36 |
| 12W      | 841       | 50°    | AFL7812W-M-TL-30N50 |