

Sparc

High efficiency downlight

- High efficiency
- High CRI 90



Multiple light
emission methods
are available to diverse
application needs.



Serialization

COB Accent lighting



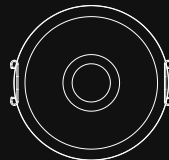
Φ75mm



Φ85mm



Φ95mm



Φ110mm

Anti-glare style luminescent base lighting



Φ75mm



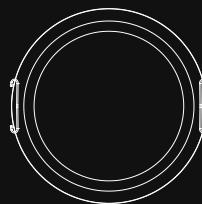
Φ85mm



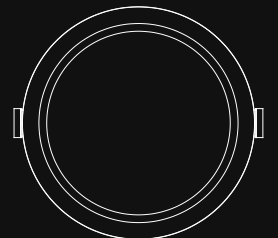
Φ95mm



Φ110mm



Φ145mm



Φ170mm

Light-emitting surface
IP44 waterproof



Sparc

CRI > 90
UGR < 16

120
LM/W



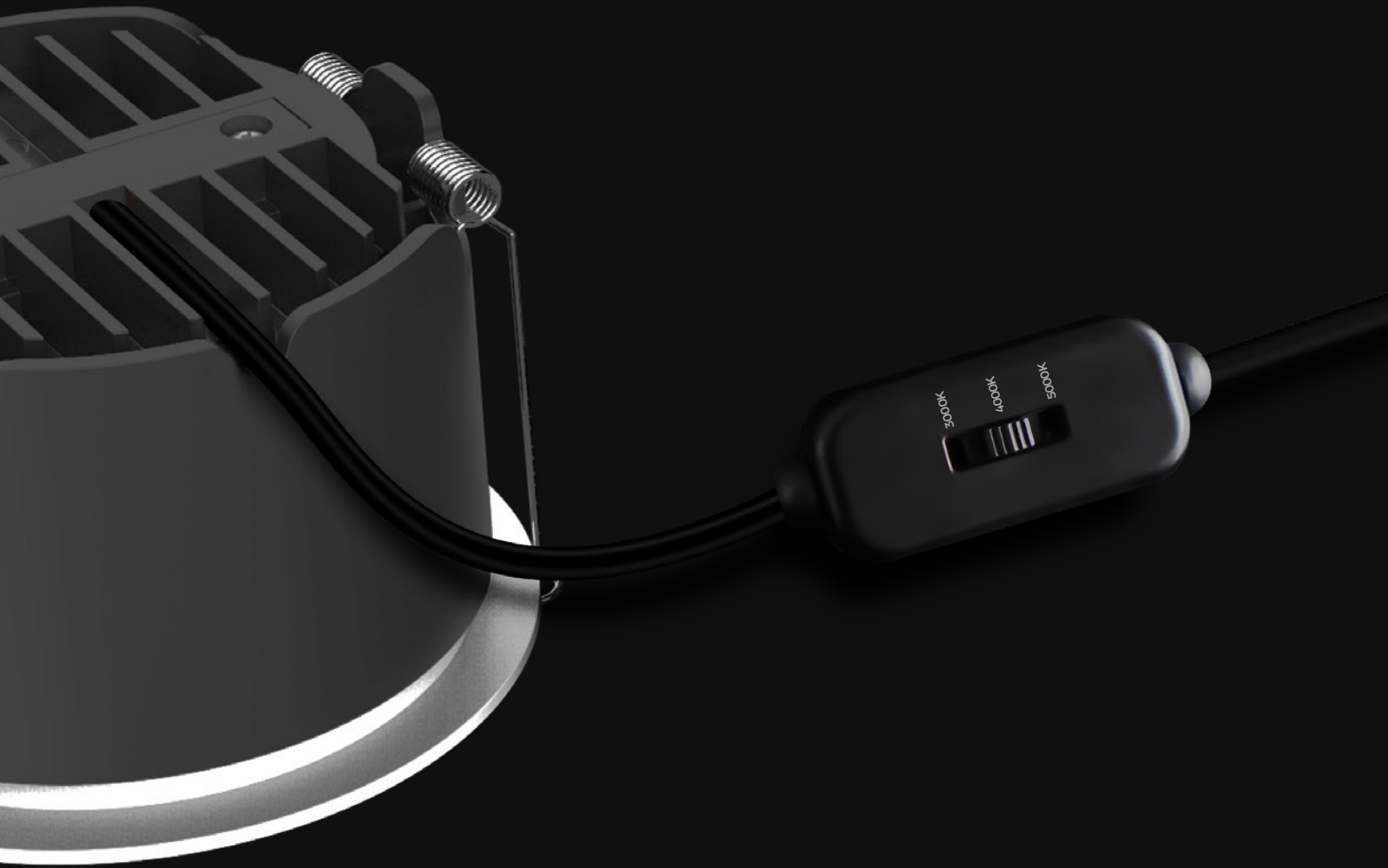




>90
CRI



3CCT Dial-switch

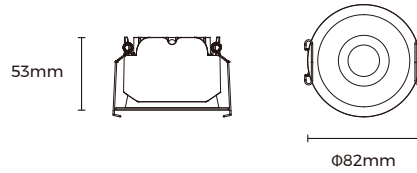
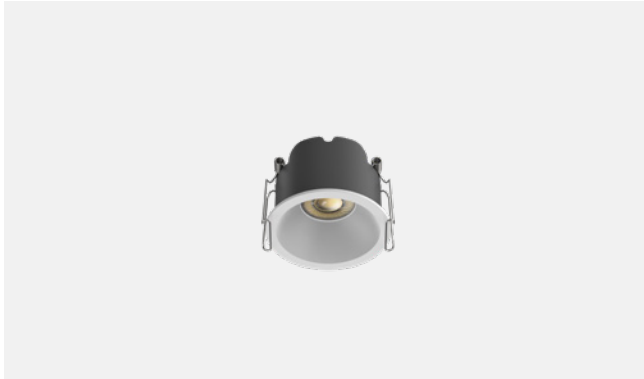
- 3000 K
- 4000 K
- 5000 K



| Spark | Model | Size | Opening size | Light source | IP grade | CCT | Outer Ring Color | CRI | Beam angle | Input voltage | Power | Luminous flux | Light efficiency |
|---|--------|------------|--------------|--------------|----------|-------------------------|------------------|-------|-------------------|--------------------|-------|-------------------|------------------|
|  | NR75L | φ82*H53mm | φ75mm | COB | IP20 | 2700K 3000K 4000K | White Black | >90RA | 28° 36° 55° | 220- 240V AC | 6W | 750lm (4000K) | 125LM/W |
| | NR88L | φ96*H58mm | φ88mm | | | | | | | | 10W | 1200lm (4000K) | 120LM/W |
| | NR98L | φ106*H63mm | φ98mm | | | | | | | | 15W | 1650lm (4000K) | 110LM/W |
| | NR113L | φ123*H67mm | φ113mm | | | | | | | | 20W | 2300lm (4000K) | 115LM/W |
|  | NR75D | φ82*H53mm | φ75mm | SMD | IP20 | 2700K 3000K 4000K | White Black | >90RA | 80° | 220- 240V AC | 6W | 540lm (4000K) | 90LM/W |
| | NR88D | φ96*H58mm | φ88mm | | | | | | | | 10W | 930lm (4000K) | 93LM/W |
| | NR98D | φ106*H63mm | φ98mm | | | | | | | | 15W | 1500lm (4000K) | 100LM/W |
| | NR113D | φ123*H67mm | φ113mm | | | | | | | | 20W | 2000lm (4000K) | |
| | NR145D | φ155*H76mm | φ145mm | | | | | | | | 30W | 3300lm (4000K) | 110LM/W |
| | NR170D | φ185*H83mm | φ170mm | | | | | | | | 40W | 4400lm (4000K) | |



NR75L



Basic Parameters

| | |
|--------------|----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Ø82x53mm |
| Opening size | Ø75mm |

Dimming Method

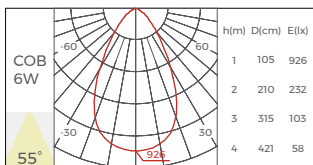
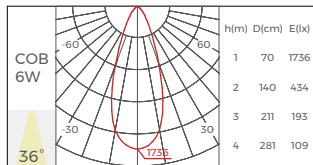
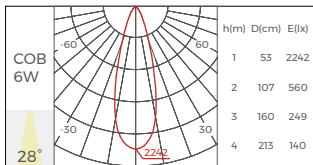


1-10V DALI dimming

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | COB |
| Input voltage | 220-240VAC |
| Power | 6W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 28°/36°/55° |
| Light efficiency* | 125/125/118LM/W |
| Luminous flux* | 750/750/710LM |

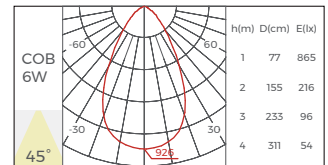
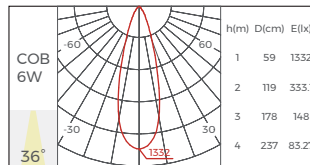
* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



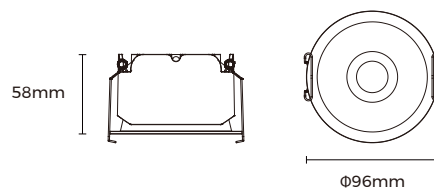
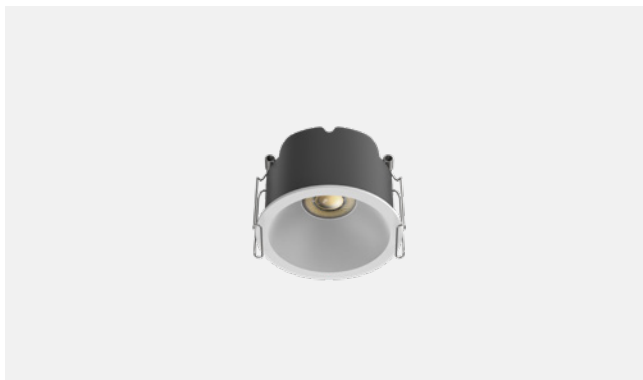
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | COB |
| Input voltage | 220-240VAC |
| Power | 6W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 36°/45° |
| Light efficiency* | 103/100LM/W |
| Luminous flux* | 620/600LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR88L



Basic parameters

| | |
|--------------|----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ96x58mm |
| Opening size | Φ88mm |

Dimming Method

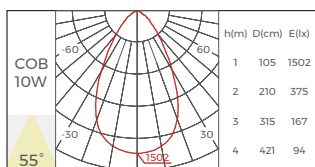
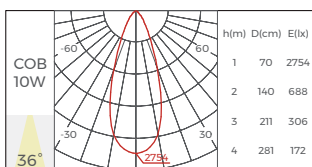
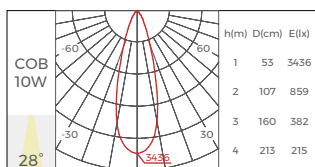


1-10V DALI dimming

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | COB |
| Input voltage | 220-240VAC |
| Power | 10W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 28°/36°/55° |
| Light efficiency* | 125/125/115LM/W |
| Luminous flux* | 1200/1200/1150LM |

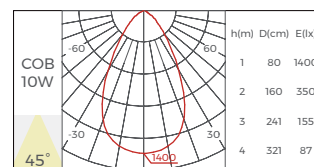
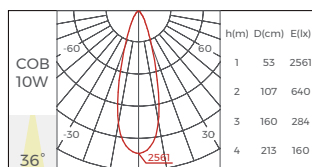
* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



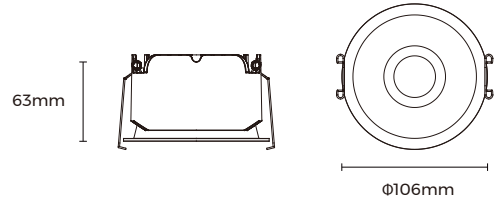
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | COB |
| Input voltage | 220-240VAC |
| Power | 10W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 36°/45° |
| Light efficiency* | 105/90LM/W |
| Luminous flux* | 1050/900LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR98L



Basic parameters

| | |
|--------------|-----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ106x63mm |
| Opening size | Φ98mm |

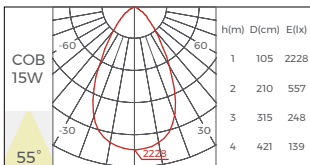
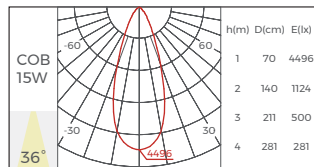
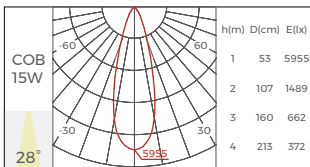
Dimming Method



Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | COB |
| Input voltage | 220-240VAC |
| Power | 15W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 28°/36°/55° |
| Light efficiency* | 110/110/110LM/W |
| Luminous flux* | 1650/1650/1650LM |

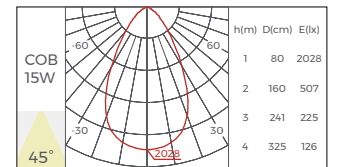
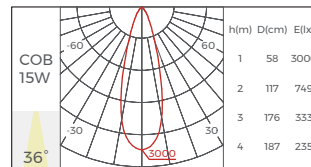
* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



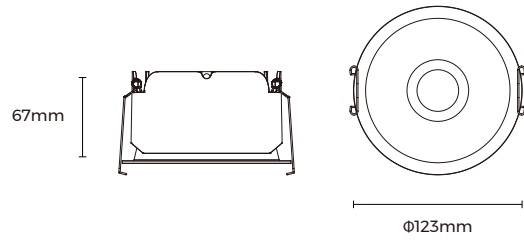
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | COB |
| Input voltage | 220-240VAC |
| Power | 15W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 36°/45° |
| Light efficiency* | 95/95LM/W |
| Luminous flux* | 1425/1425LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR113L



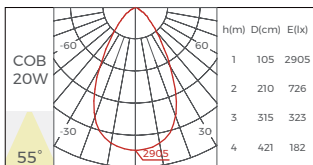
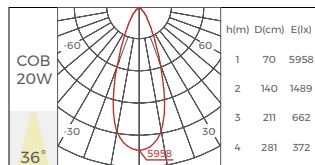
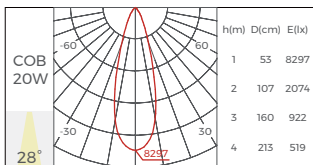
Basic parameters

| | |
|--------------|-----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ123x67mm |
| Opening size | Φ113mm |

Luminaire Parameters

| | |
|-------------------|-------------------|
| | Normal |
| Light source | COB |
| Input voltage | 220-240VAC |
| | 20W |
| | Ra>90 |
| | 2700K/3000K/4000K |
| Beam angle | 28°/36°/55° |
| Light efficiency* | 115/115/115LM/W |
| Luminous flux* | 2300/2300/2300LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



Dimming Method

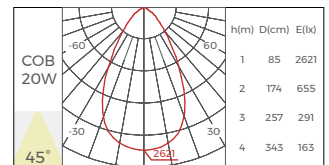
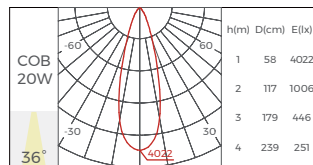


1-10V DALI dimming

Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | COB |
| Input voltage | 220-240VAC |
| Power | 20W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 36°/45° |
| Light efficiency* | 95/98LM/W |
| Luminous flux* | 1900/1960LM |

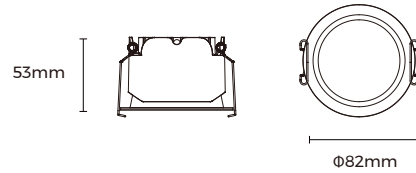
* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR75D

IP20
IP LEVEL

IP44
IP LEVEL



Basic parameters

| | |
|--------------|----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ82x53mm |
| Opening size | Φ75mm |

Dimming Method



1-10V

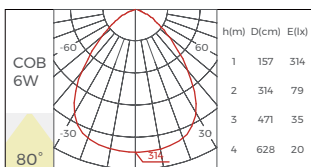


DALI dimming

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 6W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 80° |
| Light efficiency* | 90LM/W |
| Luminous flux* | 540LM |

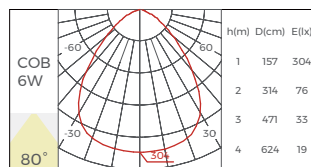
* Light efficiency & Luminous flux parameters based on 4000K Light source
2700K Light efficiency & Luminous flux=4000K*0.87
3000K Light efficiency & Luminous flux=4000K*0.92



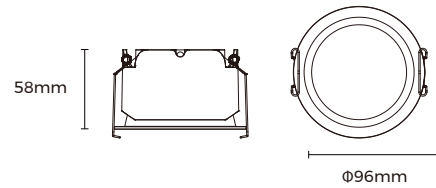
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 6W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 80° |
| Light efficiency* | 90LM/W |
| Luminous flux* | 540LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
3000K Light efficiency & Luminous flux=4000K*0.9
5000K Light efficiency & Luminous flux=4000K*0.95



NR88D



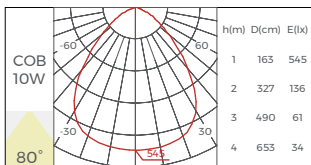
Basic parameters

| | |
|--------------|----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ96x58mm |
| Opening size | Φ88mm |

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 10W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 80° |
| Light efficiency* | 93LM/W |
| Luminous flux* | 930LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



Dimming Method

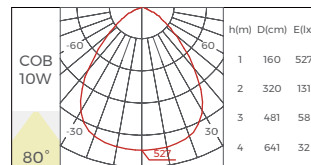


1-10V DALI dimming

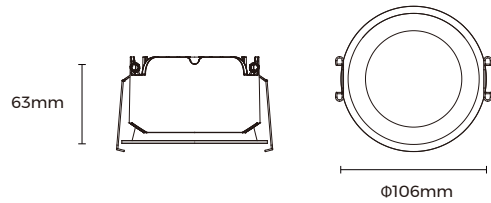
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 10W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 80° |
| Light efficiency* | 88LM/W |
| Luminous flux* | 880LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR98D



Basic parameters

| | |
|--------------|-----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ106x63mm |
| Opening size | Φ98mm |

Dimming Method

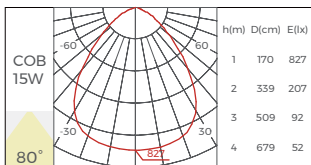


1-10V DALI dimming

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 15W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 80° |
| Light efficiency* | 100LM/W |
| Luminous flux* | 1500LM |

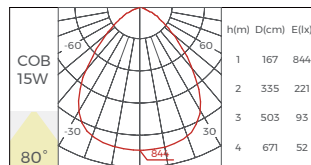
* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



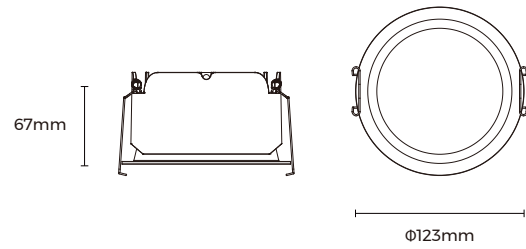
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 15W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 80° |
| Light efficiency* | 102LM/W |
| Luminous flux* | 1530LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR113D



Basic parameters

| | |
|--------------|-----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ123x67mm |
| Opening size | Φ113mm |

Dimming Method

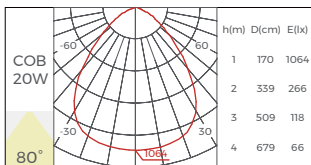


1-10V DALI dimming

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 20W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 80° |
| Light efficiency* | 100LM/W |
| Luminous flux* | 2000LM |

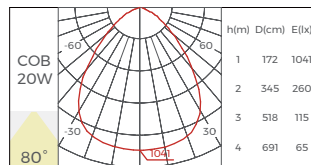
* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



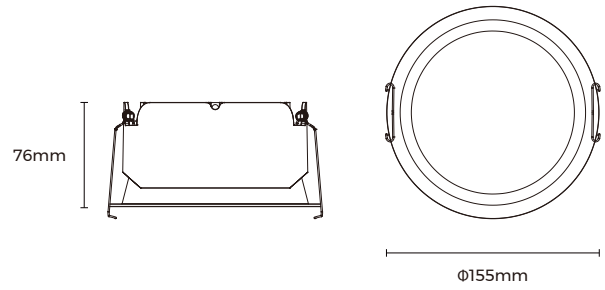
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 20W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 80° |
| Light efficiency* | 104LM/W |
| Luminous flux* | 2080LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR145D



Basic parameters

| | |
|--------------|-----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ155x76mm |
| Opening size | Φ145mm |

Dimming Method

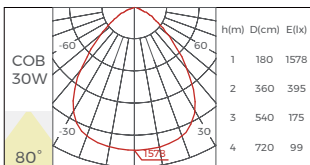


1-10V DALI dimming

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 30W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 80° |
| Light efficiency* | 110LM/W |
| Luminous flux* | 3300LM |

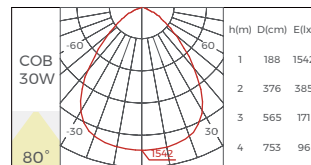
* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



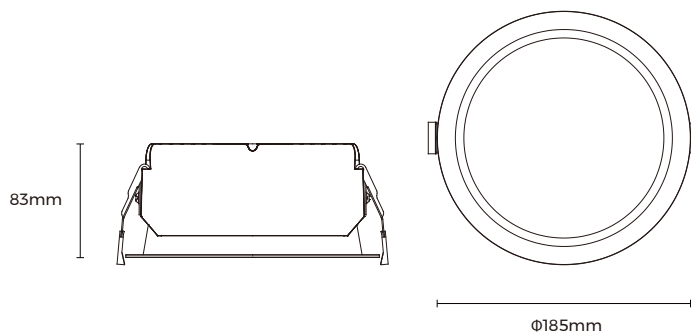
Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 30W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 80° |
| Light efficiency* | 110LM/W |
| Luminous flux* | 3300LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95



NR170D



Basic parameters

| | |
|--------------|-----------|
| Material | ADC12 |
| Coating | Spraying |
| Installation | Recessed |
| Size | Φ185x83mm |
| Opening size | Φ170mm |

Dimming Method

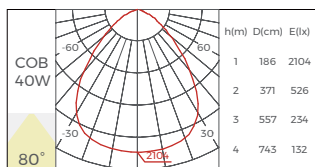


1-10V DALI dimming

Luminaire Parameters

| | |
|-------------------|-------------------|
| Version | Normal |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 40W |
| CRI | Ra>90 |
| CCT | 2700K/3000K/4000K |
| Beam angle | 80° |
| Light efficiency* | 110LM/W |
| Luminous flux* | 4400LM |

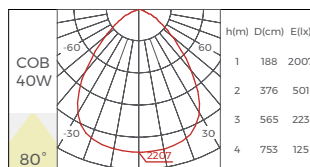
* Light efficiency & Luminous flux parameters based on 4000K Light source
 2700K Light efficiency & Luminous flux=4000K*0.87
 3000K Light efficiency & Luminous flux=4000K*0.92



Luminaire Parameters

| | |
|-------------------|-----------------------------|
| Version | 3 CCT tunable (Dial switch) |
| Light source | SMD |
| Input voltage | 220-240VAC |
| Power | 40W |
| CRI | Ra>90 |
| CCT | 3000K-3800K-5000K |
| Beam angle | 80° |
| Light efficiency* | 110LM/W |
| Luminous flux* | 4400LM |

* Light efficiency & Luminous flux parameters based on 4000K Light source
 3000K Light efficiency & Luminous flux=4000K*0.9
 5000K Light efficiency & Luminous flux=4000K*0.95





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