110 Series Datasheet

Modules

Tridonic DLE

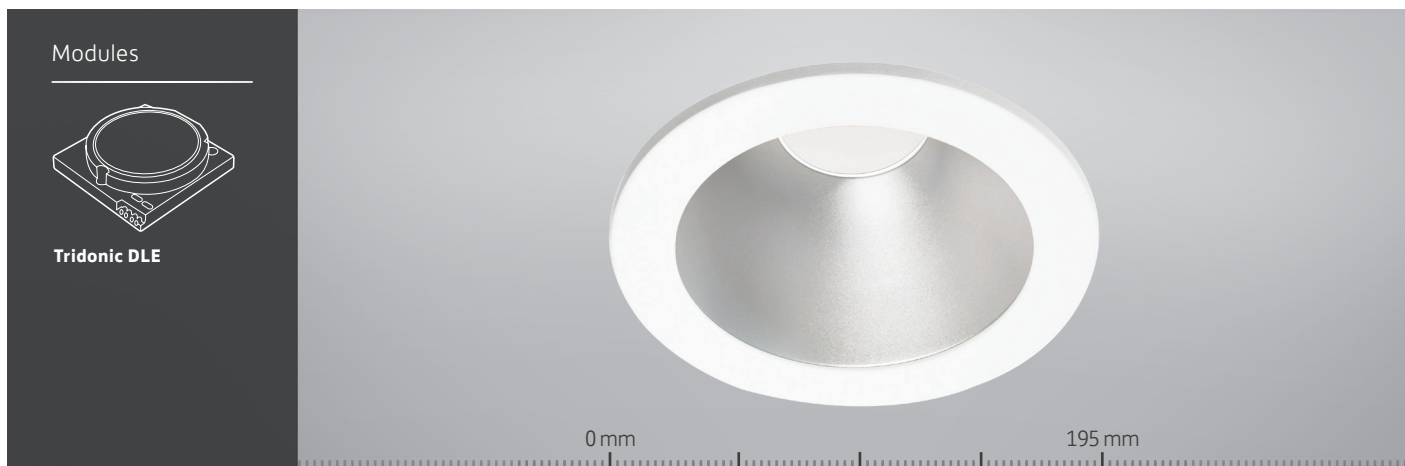0 mm   195 mm

Key Features

▶ Die-cast twist and lock bezel with interchangeable accessories

▶ Satin etched reflector

▶ Outstanding module efficacy of up to 119.4 lm/W

▶ Various dimming options

▶ Emergency conversion options

▶ Life up to 50,000 hours (L90 / F10)

▶ 5 year warranty 50,000 hours

▶ Short circuit, overload and temperature protection

▶ Comes with 500 mm supply lead

Technical Drawing

5 mm min - 40 mm max

112 mm
132 mm

ø176 mm cut-out

ø195 mm bezel

Ordering Information

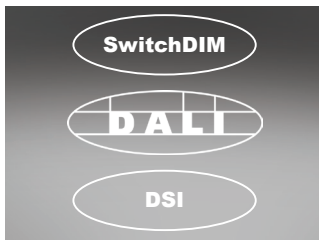| Output	Power	Colour	Model Ref.
1025 lm	11 W	830	**110.2001**
1025 lm	11 W	840	**110.2003**
1750 lm	18 W	830	**110.3001**
1750 lm	18 W	840	**110.3003**
1750 lm	21 W	830	**110.2002**
1750 lm	21 W	840	**110.2004**
2600 lm	30 W	830	**110.3002**
2600 lm	27 W	840	**110.3004**
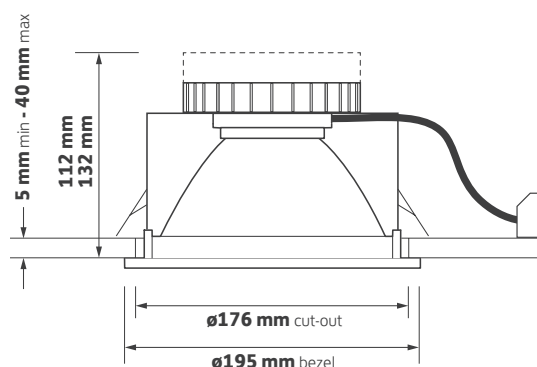
Options

Please select from the options below.

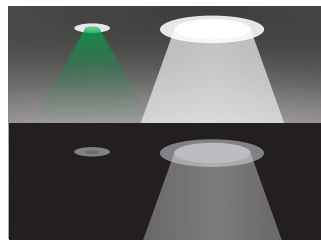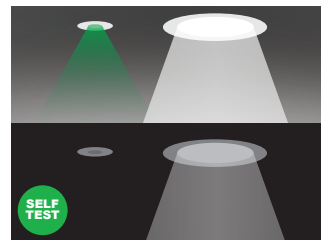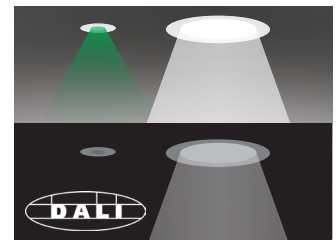|	
TA300 bezel options	**/WH /CH /BA**
IP65 bezel option	**/65**
SwitchDIM, DALI or DSI	**/ECO**
EM conversion	**/EM**
Self-test EM conversion	**/EMS**
DALI EM conversion	**/EMD**
Integral indicator for EM conversion	**I**
Single Point Connection to an ILEM	**/SPC**
Integral connection to ILEM	**/SPCI**
Please see accessories sheet	**Accessories**

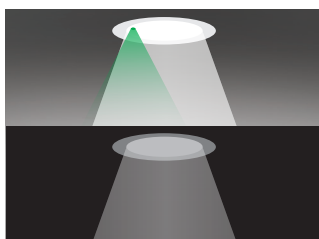## Options

/ECO
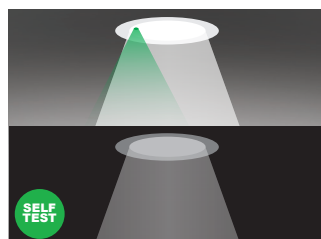SwitchDIM, DALI or DSI

/EM
EM conversion

/EMS
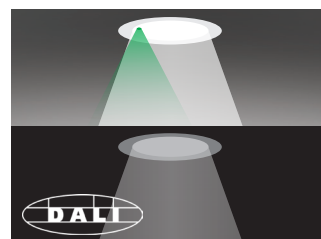Self-test EM conversion

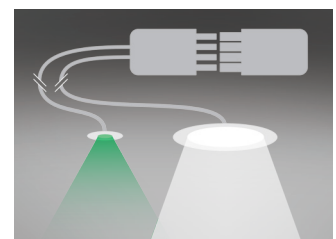**/EMD**
DALI EM conversion

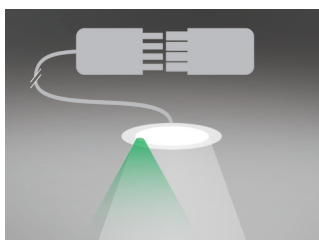**/EMI**
Integral indicator for EM conversion

/EMSI
Integral indicator for self-test EM conversion

/EMDI
Integral indicator for DALI EM conversion

/SPC
Single Point Connection to an ILEM product

/SPCI
Single Point Connection to clip in ILEM

CLS
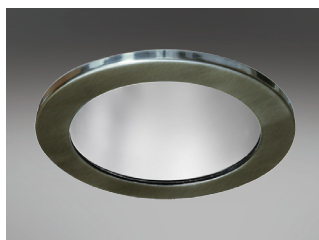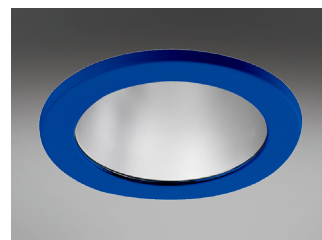COMPLETE LIGHTING SERVICES LIMITED

Bezel Finish

TA300/WH
White bezel - RAL9010

TA300/CH
Chrome bezel

TA300/BA
Brushed aluminium bezel

Product variations
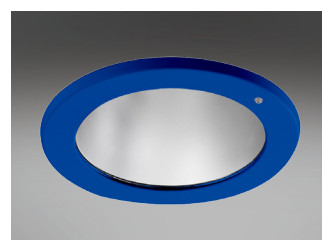Other colours and specifications available on request

AT300/WH
White anti-tamper bezel

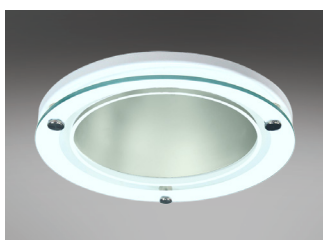**AT300/CH**
Chrome anti-tamper bezel

AT300/BA
Brushed aluminium anti-tamper bezel

Product variations
Other colours and specifications available on request

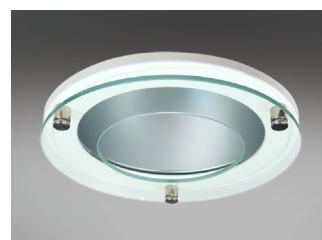## Decorative Bezel   White **/WH**   Chrome **/CH**   Brushed Aluminium **/BA**

TA301
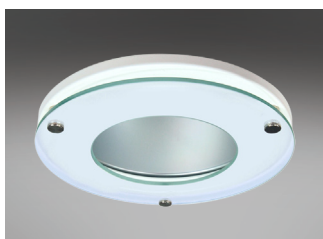White bezel complete with outer etched glass

TA302
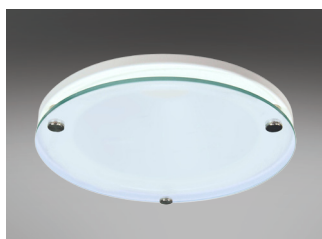White bezel complete with clear glass

TA303
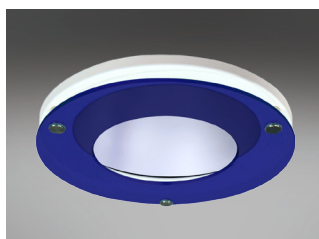White bezel complete with centre etched glass

TA305
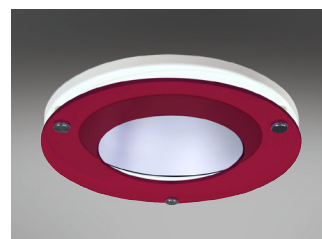White bezel complete with clear halo glass

TA306
White bezel complete with etched halo glass

TA307
White bezel complete with fully etched glass

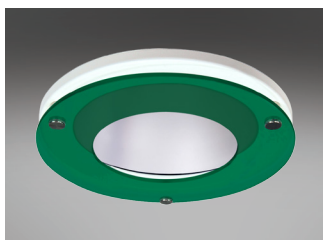**TA312**
White bezel complete with blue acrylic halo

TA313
White bezel complete with red acrylic halo

Please note: Specification values may change due to rapid development of lighting technology. All performance data is taken at an ambient temperature of +25°C. Data may be rounded up/down for illustrative purposes. Tolerance range of optical and electrical data is +/-10%. We reserve the right to amend or change details without prior notification. E&OE. **MDS-139A-REV4 19/04/2017**
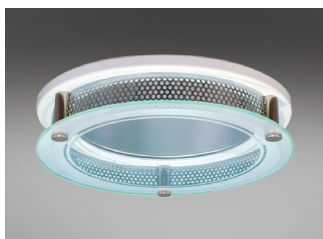
Decorative Bezel

TA314
White bezel complete with green acrylic halo

Corona Bezel
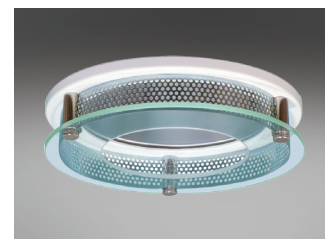White **/WH** Chrome **/CH** Brushed Aluminium **/BA**

CB301
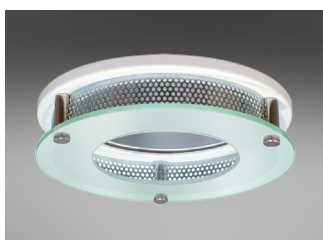White corona bezel with outer etched glass

CB302
White corona bezel with clear glass

CB303
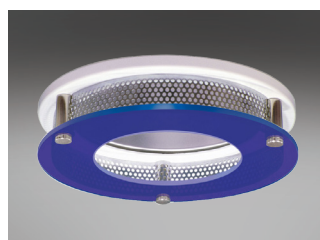White corona bezel with centre etched glass

CB305
White corona bezel with clear halo glass

CB306
White corona bezel with etched halo glass

CB307
White corona bezel with fully etched glass

CB312
White corona bezel with blue acrylic halo

CB313
White corona bezel with red acrylic halo

CB314
White corona bezel with green acrylic halo

IP65 Bezel

/65
IP65 Bezel option

IP65/002/195
IP65 Clear glass

IP65/008/195
IP65 Opal polycarbonate

IP65/009/195
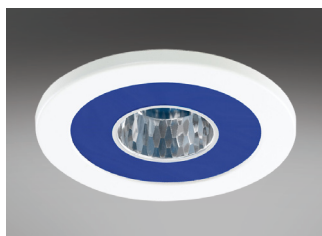IP65 Clear polycarbonate

GF008 / GF010
Anti-tamper driver / Anti-tamper bit
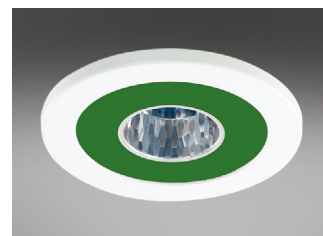for IP65 bezel

Accessories

TA351
Etched glass mini reflector

TA352/BLUE
Blue lens mini reflector

TA352/RED
Red lens mini reflector

TA352/GREEN
Green lens mini reflector

TA310/BLUE
Blue vertical halo

TA310/FROST
Frosted vertical halo

TA340
IP54 Clear glass

TA341
IP54 Centre etched glass

Accessories

TA342
IP54 Full etched glass

TA343
IP54 Clear polycarbonate

TA344
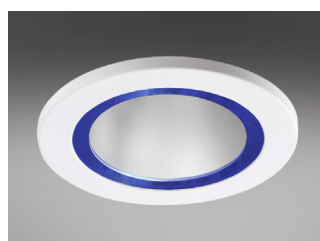IP54 Opal polycarbonate

TA316
IP54 Glass scatter dome

TA317
IP44 Prismatic lens

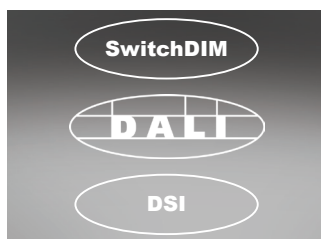**TA384**
Frosted hi-light

TA385
Blue hi-light

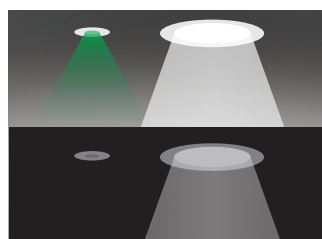**GF208 / GF218**
Anti-tamper driver / Anti-tamper bit

HALOKIT.002
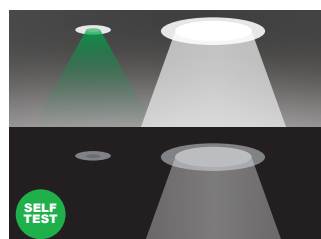Halo kit - maximum cut-out 250 mm
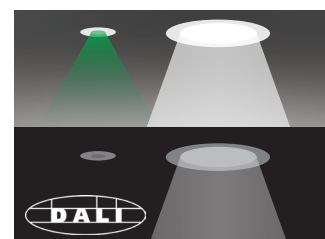
Options

/ECO
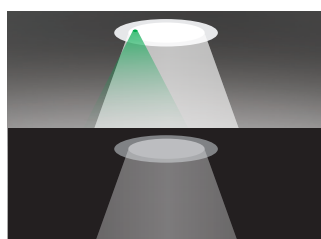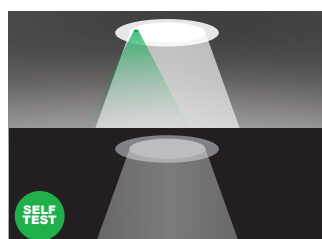SwitchDIM, DALI or DSI

/EM
EM conversion

/EMS
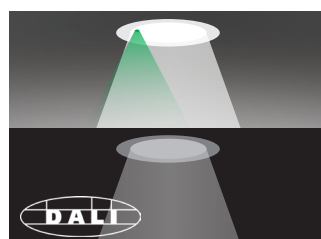Self-test EM conversion
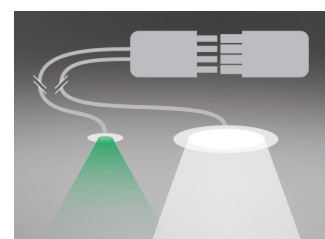

/EMD
DALI EM conversion

/EMI
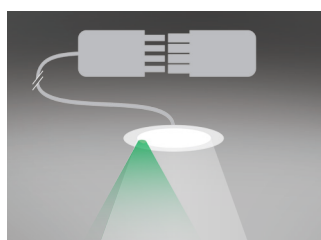Integral indicator for EM conversion

/EMSI
Integral indicator for self-test EM conversion

/EMDI
Integral indicator for DALI EM conversion

/SPC
Single Point Connection to an ILEM product

/SPCI
Single Point Connection to clip in ILEM
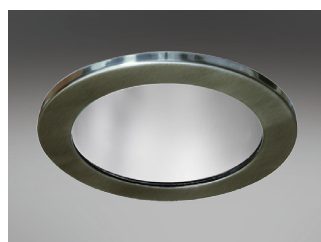
110 Series Options and Accessories
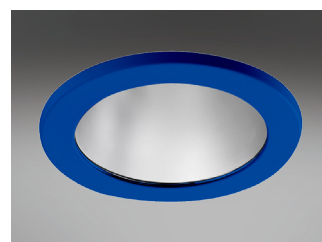
Bezel Finish

TA300/WH
White bezel - RAL9010

TA300/CH
Chrome bezel

TA300/BA
Brushed aluminium bezel

Product variations
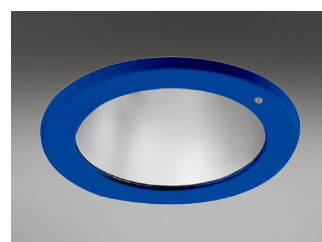Other colours and specifications available on request

AT300/WH
White anti-tamper bezel

AT300/CH
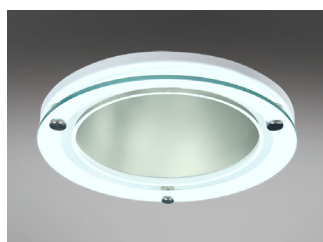Chrome anti-tamper bezel

AT300/BA
Brushed aluminium anti-tamper bezel

Product variations
Other colours and specifications available on request
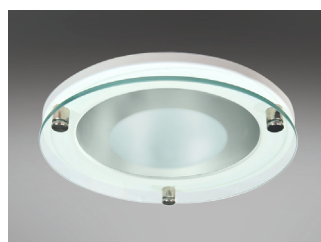
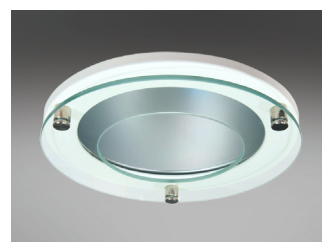## Decorative Bezel   White **/WH**   Chrome **/CH**   Brushed Aluminium **/BA**

TA301
White bezel complete with outer etched glass
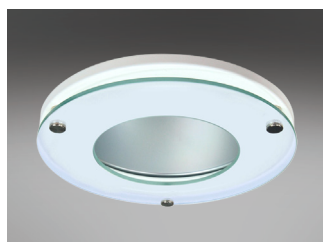
TA302
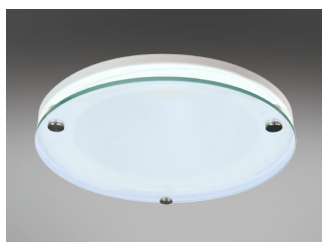White bezel complete with clear glass

TA303
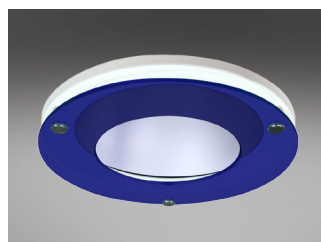White bezel complete with centre etched glass

TA305
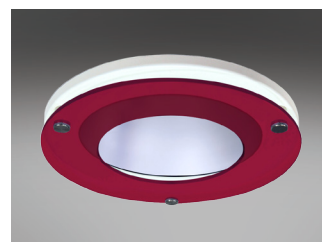White bezel complete with clear halo glass

TA306
White bezel complete with etched halo glass

TA307
White bezel complete with fully etched glass

TA312
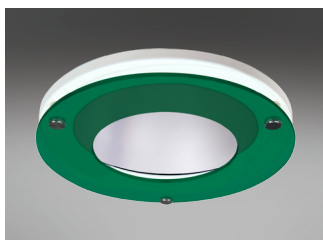White bezel complete with blue acrylic halo

TA313
White bezel complete with red acrylic halo

Decorative Bezel

TA314
White bezel complete with green acrylic halo

Corona Bezel   White **/WH** Chrome **/CH** Brushed Aluminium **/BA**

CB301
White corona bezel with outer etched glass

CB302
White corona bezel with clear glass

CB303
White corona bezel with centre etched glass

CB305
White corona bezel with clear halo glass

CB306
White corona bezel with etched halo glass

CB307
White corona bezel with fully etched glass

CB312
White corona bezel with blue acrylic halo

CB313
White corona bezel with red acrylic halo

CB314
White corona bezel with green acrylic halo
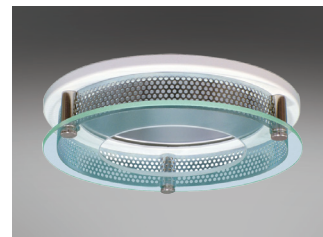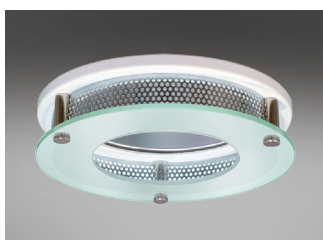
110 Series Options and Accessories

IP65 Bezel

/65
IP65 Bezel option

IP65/002/195
IP65 Clear glass

IP65/008/195
IP65 Opal polycarbonate

IP65/009/195
IP65 Clear polycarbonate

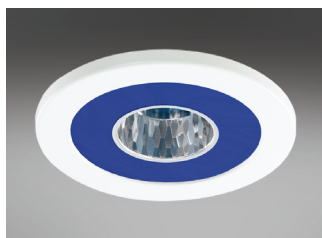**GF008 / GF010**
Anti-tamper driver / Anti-tamper bit
for IP65 bezel
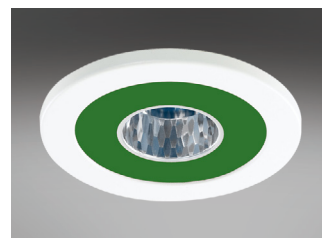
Accessories

TA351
Etched glass mini reflector

TA352/BLUE
Blue lens mini reflector

TA352/RED
Red lens mini reflector

TA352/GREEN
Green lens mini reflector

TA310/BLUE
Blue vertical halo

TA310/FROST
Frosted vertical halo

TA340
IP54 Clear glass

TA341
IP54 Centre etched glass

Accessories

TA342
IP54 Full etched glass

TA343
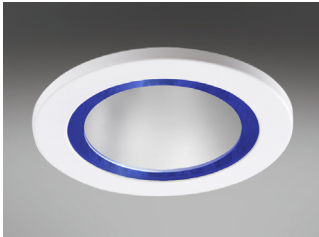IP54 Clear polycarbonate

TA344
IP54 Opal polycarbonate

TA316
IP54 Glass scatter dome

TA317
IP44 Prismatic lens

TA384
Frosted hi-light

TA385
Blue hi-light

GF208 / GF218
Anti-tamper driver / Anti-tamper bit

HALOKIT.002
Halo kit - maximum cut-out 250 mm

110 Series Technical

Technical Information

Nominal weight	**1.8 kg**	Operating ambient temperature	**-25°C to +35°C**
Mains voltage	**220 - 240 V**	Mains lead	**500 mm LSF**
Mains frequency	**50 - 60 Hz**	Dimming lead	**500 mm 2 core LSF**
Ingress protection from front	**IP20**	Warranty	**5 years**
Ingress protection from rear	**IP20**	Power factor	**>0.9**
Optical efficiency (DLOR)	**87%**	Colour rendering	**R$_a$ 80**
MacAdam	**3 SDCM**		

Model Ref.	Module Power (W)	Module Output (lm)	Module Efficacy (lm/W)	Luminaire Power (W)	Luminaire Output (Llm)	Luminaire Efficacy (Llm/W)	Colour Temp (K)	UGR
110.2001	9.1	1119	98.1	11.4	973	85.4	3000	15.5
110.2002	18.2	1996	96.0	20.8	1737	83.5	3000	17.5
110.2003	9.1	1220	107.0	11.4	1061	93.1	4000	15.8
110.2004	18.2	2050	98.6	20.8	1784	85.8	4000	17.8
110.3001	16.0	1917	109.5	17.5	1667	95.3	3000	17.4
110.3002	27.0	2960	98.7	30.0	2575	85.8	3000	18.9
110.3003	16.0	2090	119.4	17.5	1818	103.9	4000	17.7
110.3004	24.9	3012	109.9	27.4	2620	95.6	4000	18.9

110 **Series** Life

25°C Ta (Ambient Temperature)

Model Ref.	L90 / F10	L80 / F10	L70 / F10
110.2001	>50,000 h	>50,000 h	>50,000 h
110.2003	>50,000 h	>50,000 h	>50,000 h
110.3001	>50,000 h	>50,000 h	>50,000 h
110.3003	>50,000 h	>50,000 h	>50,000 h
110.2002	42,600 h	>50,000 h	>50,000 h
110.2004	42,600 h	>50,000 h	>50,000 h
110.3002	41,400 h	42,000 h	>50,000 h
110.3004	41,400 h	42,000 h	>50,000 h

"**L VALUE**" = % of initial lumens maintained after specified time

"**F VALUE**" = % of fittings failing to meet operational expectations after specified time

EXAMPLE

60,000 hrs L80 / F10	=	80% of initial lumens maintained after 60,000 hours
	=	10% of fittings will have less than 80% of initial lumens after 60,000 hours
	OR	
	=	90% of fittings will have maintained 80% of initial lumens after 60,000 hours