Downlights

Contemporary

Athena

Recessed low-glare downlight, excellent heat dissipation, long life.



Selena

Recessed low-glare downlight, excellent heat dissipation, long life., swivel



Luna

Recessed low-glare downlight, excellent heat dissipation, long life.



Traditional

Halo

Low glare, high efficacy and long life.



Eos

Low glare, high efficacy and long life.







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Athena

Where aesthetics are important.

Recess low glare downlight with high heat dissipation for longer life.

12W, 20W, 30W

83 lm/W @ 12W *

102 lm/W @ 20W *



Luminaire warranty (L80): 5 yrs including driver Weight: see * below

Options

	103 lm/W @ 30W *	options	
Flicker-free driver (DALI-2):	BK-PUL018A-0450Ad (12W) BK-PUL030A-0700Ad (20W, 30W)	Lighting control system:	DALI-2 wired LoRa i3t
Beam angle: CRI: Colour temperature: SDCM: UGR: LLD(Av): Lense:	15°,24°38°,60° symmetrical >90 (R8), Cool white, 5000K Neutral white, 4000K Warm white, 3000K 3 10<19 2.21% @ 12,000 hrs PPMA		-click conventional zoning nulti-level grouping dimming n
Chromaticity shift (Av): Fitting Material: elFitting colour: IP rating: Input Voltage: Power factor: Operating temperature: Approved standards: Life expectancy (L70):	0.0012 @ 12,000 hrs pressed aluminium USA white IP54 180-264Vac >0.95@20W -20°C to 45°C SAA, C-Tick >100,000 hrs (Calc)	S- Ze Cc * 12W cut out 90mm (250 gm) , 20W cut out 125mm (350 gm)	acNet, KNX, Modbus, Mode, Desigo, en Control, ognian Synchromesh 125mm (350 gm)
	>60,000 hrs ((Reported)	30W cut out 145mm, (450 gm	n)

Standard Specification

Input power range*:

EffIcacy (DALI-2):

a:

b:

c:

Ordering In	formation

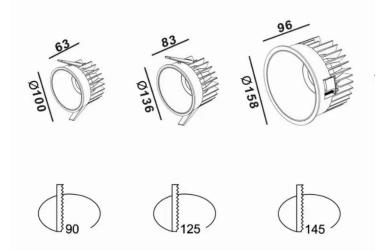
Note: New part number, all else unchanged

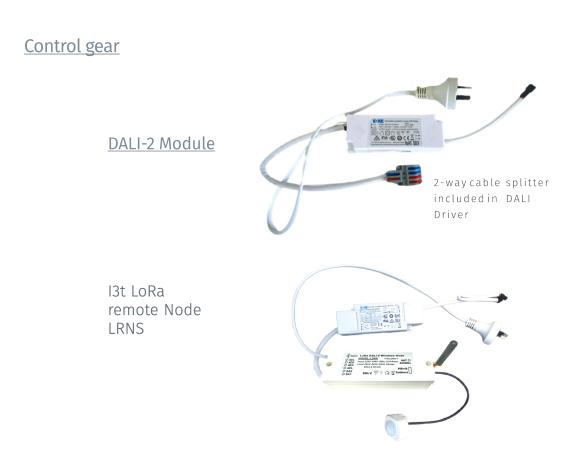
1 (90mm), 2 (125mm), 3 (145mm), d:

Lora i3t, Blank (no LoRa) e:

PIR. f: DLAab-cd-ef-g Microwave. Luminaire Wattage. e.g. DLR**20...** = 20W Combine PIR, Abient and Daylight sensors Blank (no sensor) Sensors are external from fitting. Standard driver, DALI-2 driver, Tunable driver IPxx. g: Cool white, Neutral white, Tunable Blank (54)









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Selena

Where aesthetics are important.

Gimbal recess low glare downlight with high heat dissipation for longer life.

10W. 20W



Standard Specification

Input power range*:

Weight:

see * below

Options

Efficacy (DALI-2):	83 lm/W @ 12W *	<u>Options</u>	
Flicker-free driver (DALI-2)	102 lm/W @ 20W * 103 lm/W @ 30W * : BK-PUL018A-0450Ad (12W) BK-PUL030A-0700Ad (20W, 30W)	Lighting control system: LoRa i3t Lighting control:	DALI-2 wired LoRa i3t
Beam angle: CRI: Colour temperature:	15°,24°,38°symmetrical >90 (R8), Cool white, 5000K Neutral white, 4000K	with optional	n-click conventional zoning multi-level grouping
SDCM: UGR: LLD(Av): Lense:	Warm white, 3000K 3 10<19 2.21% @ 12,000 hrs PPMA	0-100% zone or group dimming Ambient light correction Room correction factor Occupancy sensing Predictive control	
Chromaticity shift (Av): Fitting Material:	0.0012 @ 12,000 hrs pressed aluminium		/es /es
Fitting colour: IP rating: Input Voltage: Power factor: Operating temperature:	USA white IP54 180-264Vac >0.95@20W -20°C to 45°C	2	BacNet, KNX, Modbus, S-Mode, Desigo, Zen Control, Cognian Synchromesh
Approved standards: Life expectancy (L70): Luminaire warranty (L80):	SAA, C-Tick >100,000 hrs (Calc) >60,000 hrs ((Reported) 5 yrs including driver	* 10W cut out 75mm (250 gm) 10W or 20W cut out 100mm	

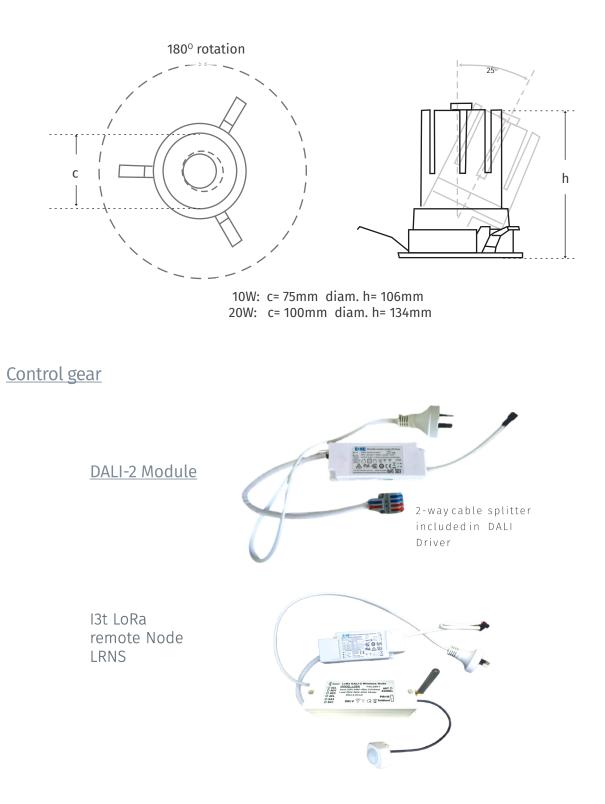
Ordering Information

Note: New part number, all else unchanged		changed	e:	Lora i3t , Blank (no LoRa)
DLSab	-cd-ef-g		f:	PIR, Microwave,
a:	Luminaire Wattage.	e.g. DLS 20 = 20W		C ombine PIR, Abient and Daylight sensors Blank (no sensor).
b:	S tandard driver, D ALI-2 driv	ver, T unable driver		Sensors are external from fitting.
С:	${\sf C}$ ool white, ${\sf N}$ eutral white,	, T unable	g:	IPxx, Blank (54)

d:

1 (75mm), 2 (100mm),







Luna

Where aesthetic is important.

Recess low glare downlight with high heat dissipation for longer life.

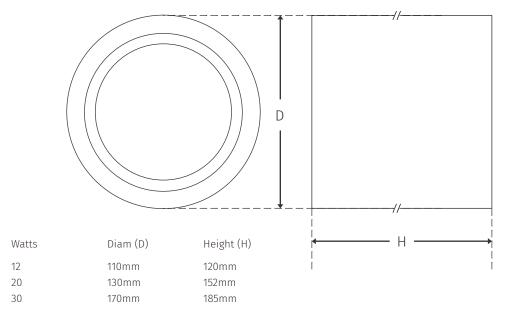




Luminaire warranty (L80): 7yrs including driver Standard Specification see * below Weight: Input power range*: 12W, 20W, 30W **Options** Efficacy (DALI-2): 82 lm/W @ 12W * 83 lm/W @ 20W * 85 lm/W @ 30W * Lighting control system: DALI-2 wired Driver (DALI-2): BK-PUL018A-0450Ad (12W) LoRa i3t BK-PUL030A-0700Ad (20W, 30W) LoRa i3t Lighting control: 64,000 Lamp and device Nodes Easy setup: Beam angle: 60° symmetrical Simple point-n-click conventional zoning CRI: >90 (R8), with optional multi-level grouping Colour temperature: Cool white, 5000K 0-100% zone or group dimming Neutral white, 4000K Ambient light correction Warm white, 3000K Room correction factor SDCM: 3 Occupancy sensing UGR: 10<19 Predictive control LLD(Av): 2.21% @ 12,000 hrs Lense: PPMA Custom colour: Yes Chromaticity shift (Av): 0.0012 @ 12,000 hrs **OEM** integration: Fitting Material: Zinc coated steel BacNet, KNX, Modbus, S-Mode, Desigo, Matt Black, USA white Fitting colour: Zen Control, IP rating: IP54 Cognian Synchromesh Input Voltage: 180-264Vac Power factor: >0.95@20W * 12W diameter 110mm, 130mm , 145mm Operating temperature: -20°C to 45°C 20W diameter 130mm , 145mm 30W diameter 145mm. Approved standards: SAA, C-Tick 110mm (300 gm), 130mm (350gm), 145 mm (450 gm) Life expectancy (L70): >100,000 hrs (Calc) >60,000 hrs ((Reported) Ordering Information d: **1** (110mm), **2** (130mm), **3** (145mm), cut-out diam. 4-9 (reserved for future use)

Note: New part number, all else unchanged		e:	Lora i3t , Blank (no LoRa)	
DLLab-	cd-ef-g		f:	P IR,
a:	Luminaire Wattage.	e.g. DLR 20 = 20W		Microwave,
b:	S tandard driver, D ALI-2 d	river, T unable driver		C ombine PIR, Abient and Daylight sensors Blank (no sensor)
C:	${\sf C}$ ool white, ${\sf N}$ eutral whit	e, T unable	g:	IPxx, Blank (54)







I3t LoRa remote Node LRNS





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Halo Large diffused downlights



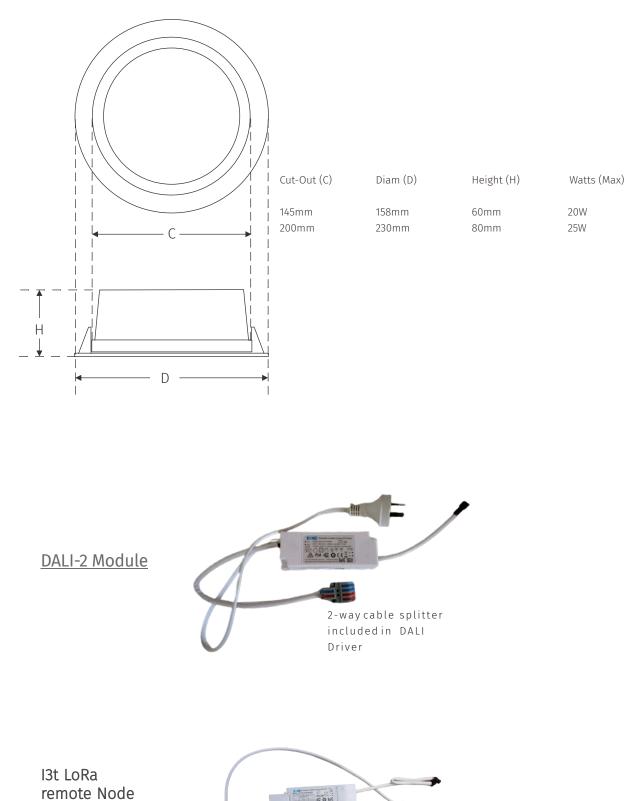
<u>Options</u>

Standard Specification

Input power range: Efficacy (DALI-2): Driver (DALI-2): Beam angle: CRI: Colour temperature: SDCM: UGR:	12W, 20W* 115 lm/W @ 12W 118 lm/W @ 20W BK-PUL018A-0450Ad 90° symmetrical >83 Cool white, 5000K Neutral white, 4000K Tunable, 2700-5500K 3 10<18			-click conventional zoning nulti-level grouping dimming on
LLD(Av): Diffuser: Chromaticity shift (Av): Fitting Material: Fitting colour: IP rating: Input Voltage: Power factor: Operating temperature: Approved standards: Life expectancy (L70): Luminaire warranty (L80): Weight:	2.21% @ 12,000 hrs Polycarbonate 0.0012 @ 12,000 hrs Zinc coated steel USA white IP42 180-264Vac >0.95@20W -20°C to 45°C SAA, C-Tick >150,000 hrs (Calc) >60,000 hrs ((Reported) 7yrs including driver 0.8 kg	Custo Custo	2 driver: m colour: m Dimensions: ntegration:	BK-PUL018A-0450Ad Yes Yes BacNet, KNX, Modbus, S-Mode, Desigo, Zen Control, Cognian Synchromesh
<u>Ordering Information</u> Note: New part number, all els	se unchanged	d:	1 (145mm), 2 (200mm 3-9 (reserved for futu	ire use)
		e:	Lora i3t , Blank (no Lo	Ra)
DLHab-cd-ef-g a: Luminaire Wattage. b: Standard driver, DALI-	e.g. DLH 20 = 20W -2 driver, T unable driver	f:	P IR, M icrowave, C ombine PIR, Abient Blank (no sensor)	and Daylight sensors
c: Cool white, Neutral v	white, T unable	g:	IPxx , Blank (no IP)	



LRNS





Polycarbonate

Eos 90mm Cut-out Downlights

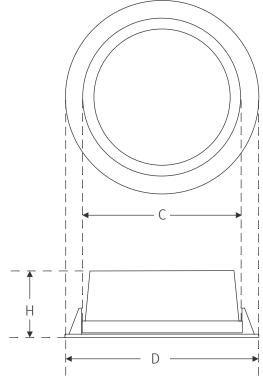


Standard Specification

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		Chromaticity shift (Av):	0.0012 @ 12,000 hrs
Input power:	5W - 10W	Fitting Material:	Zinc coated steel
EffIcacy (standard driver):	86 lm/W @ 10W	Fitting colour:	USA white
	80 lm/W @ 5W	IP rating:	IP40 or 65
EffIcacy (DALI-2 driver):	80 lm/W @ 10W 78 lm/W @ 5W	Input Voltage:	180-264Vac
Beam angle:	96° symmetrical	Power factor:	>0.92@20W
CRI:	>90	Operating temperature:	-20°C to 45°C
Colour temperature:	Cool white, 5000K	Approved standards:	SAA, C-Tick
cotour temperature.	Neutral white, 4000K	Life expectancy (L70):	>100,000 hrs (Calc)
SDCM: UGR: LLD(Av):	Warm white 3000 3 10<18 2.21% @ 12,000hrs	Luminaire warranty (L90): Weight:	>72,000 hrs (Reported) 5 yrs standard driver 7 yrs DALI-2 driver 0.5 kg
<u>Options</u>		LoRa Lighting control:	Ambient light correction
Standard driver: DALI-2 driver: Custom colour: Custom Dimensions:	BK-PUL010A-0250AP DL10-BK Yes Yes		Room correction factor Occupancy sensing Multi-level Grouping Group dimming Predictive control
Lighting control system:	DALI-2 wired LoRa i3t	OEM integration:	BacNet, KNX, Modbus, S-Mode, Desigo, Zen Control, Cognian Synchromesh

Ordering Information		d:	1 (75mm), 2 (90mm), cut-out diam. 3-9 (reserved for future use)
Note: New part number, all else unchanged		e:	L ora i3t , Blank (no LoRa)
DLEab- a:	- cd-ef-g Luminaire Wattage.e.g. DLE 20 = 20W	f:	PIR, Microwave,
b:	${\sf S}$ tandard driver, ${\sf D}$ ALI-2 driver, ${\sf T}$ unable driver		C ombine PIR, Abient and Daylight sensors Blank (no sensor)
C:	Cool white, N eutral white, T unable	g:	IPxx, Blank (no IP)





Cut-Out (C)	
75mm	

ōmm)mm 8W

Diam (D)

60mm

Height (H)

5 W

Watts (Max)

75mm	951
90mm 110mm	60

