

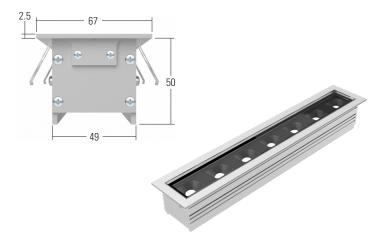
KEY FEATURES

- Linear C1 engine featuring NICHIA LED delivering up to 3263lm
- Lengths to a maximum of 1350mm with LED spacings of 50mm and 75mm
- Toughened glass top to ensure longevity and resilience against external impact. IK08
- A modular approach keeps spacing maintained across multiple lengths, ensuring no dark spots
- Compact design with only a 55mm recess depth required
- Aluminium extrusion, anodised to a thickness of 25 microns
- LED fixed at a 2.5° tilt with a choice of beam angles and superb wall grazing capabilities using the 15° x 60° beam
- Range of glare control options including individual LED cowls to ensure low glare from all directions
- Optional frosted diffusion filter to illuminate lower parts of the wall
- First fix concrete housing or spring clip fixing options available
- Switched, 0-10V, Casambi, DMX, DALI and Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For fitting dimensions please go to page 3.







WHITE LED ENGINE SPECIFICATION

Engine	Linear C1											
Beam angles	12°, 31°, 48°, 12° x 36°, 15° x 60°											
LED manufacturer	NICHIA											
Colour temperature	2200K / 2700K / 3000K / 4000K / 5000K											
Current	350mA 500mA 700mA											
LED power (Max)**	1.0W (1.1W)	2.1W (2.3W)										
Forward voltage (V ₁₀₀)	3V 3.2V 3.4V											
Delivered lumens (L ₁₀₀)* per metre												
50mm spacing	1710 2420 3263											
75mm spacing	1137 1609 2170											
Delivered Im/Circuit W	78 75 70											
CRI (Typ)	93											
Colour consistency	2SCDM											
Peak intensity	18,058 cd	18,058 cd										
LED lumens (per LED)	133	187	206									
Source Im/W	136	136 129 98										
LOR	0.79											
TM30	RF85 RG98	RF85 RG98										
UGR rating	UGR unavailable for asymmetric light distribution											
BUG rating ('downlight' mounted)	B0- U4- G0 B0- U4- G0											
LED lifetime	L90B5 at 90,000hrs	L90B5 at 90,000hrs										
Applications												

This data is based on an LD34-C1-700-LW30-NB

MECHANICAL

Ambient temperature	-20° to 45° (350mA, 500mA) or -20° to 35° (700mA)
Glass	Low iron glass, 8mm thick
Materials	Silver anodised aluminium body & end caps, polycarbonate cover and cowls
Weight of product	3.4kg per/m
Static load	1500kg
IP rating	IP67
IK rating	IK08
Wiring	In-series constant current wiring. Pre-wired cable at a length of 2m which can be specified up to 10m at extra cost

ENVIRONMENTAL

TM65	Available on request
TM66	2.1





^{*}Lumen output data applies to all colour temperatures

**indicates the nominal power for the LED run at that particular current and includes losses associated with using an 85% efficient driver

AVAILABLE FINISHES

LD34 has been designed for extreme environments therefore only high quality materials and finishes are used to ensure long lasting reliability. All parts are silver anodised to a minimum thickness of 25 microns which offers high protection in all external environments. Though we offer paint finishes, we do not recommend using them in high-traffic areas.



SILVER ANODISED (SUPPLIED AS STANDARD FINISH)



POWDER COAT PAINT FINISH CLASSIC BRONZE



POWDER COAT PAINT FINISH BLACK



POWDER COAT PAINT FINISH GUN METAL GREY



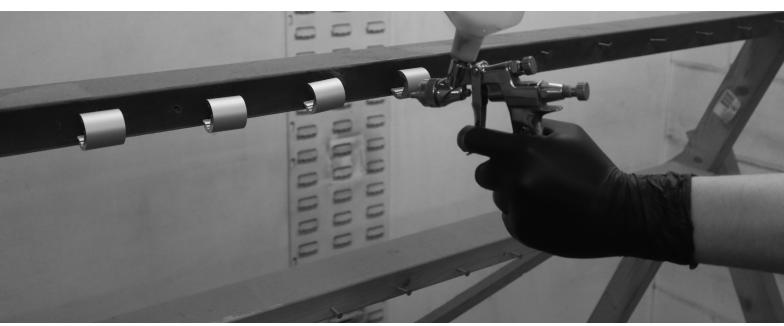
POWDER COAT PAINT FINISH TEXTURED FIR GREEN



POWDER COAT PAINT FINISH WHITE



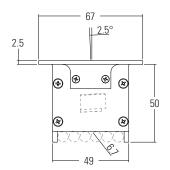
POWDER COAT PAINT FINISH RAL

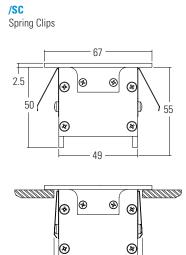




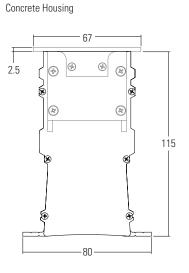
DIMENSIONS & FIXING OPTIONS

Dimensions in mm



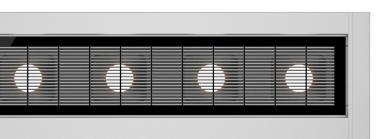


55 Cut-out



ACCESSORIES

Anti-glare louvre. LD34 can be supplied with a glare louvre however the /GS40 is recommended as it provides the same amount of glare protection and delivers a better lit effect on the wall. Please note this is always supplied in a black finish, and is supplied as standard with the louvre positioned to reduce glare when looking at the lit surface.



SIMILAR PRODUCTS

LD34 has been designed alongside our interior wall grazer LD38 to enable seamless integration of both products throughout a project. Please see the website for more details.

/CH





Same specification as the LD34 but with a mains-in connection system to allow for easier, quicker and a more cost effective installation on-site. Set lengths available only.







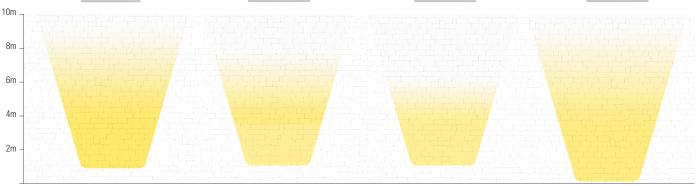
LIGHT DISTRIBUTION AND GLARE SHIELD OPTIONS











Please note this is a graphical guide to the expected light output, refer to the photometric files for more detailed data.

LD34

No glare shield for maximum lumen output. Deep recessed optic and matt black cowl aids in glare reduction.

/GS40

Teamed with the 2.5° fixed tilt the 40% glare shield provides glare protection with only a 28% reduction in lumens

/GS50

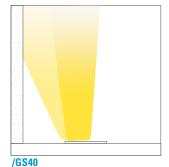
Half glare shield. For an increased cut-off angle and greater glare control. Not available with Wide Beam optics.

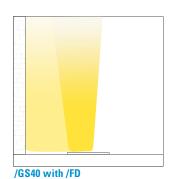
/GS40 with /FD

40% glare shield and diffusion film combination. The aperture allows the main punch of the beam to leave the fitting, providing glare protection from one side and moving the start of the beam down to the floor on the other.

FROSTED DIFFUSION FILM

This accessory is particularly useful when the LD34 needs to be placed further away from the lit surface. It provides a smooth consistent beam that starts as close to the bottom of the lit surface as possible. The frosted diffusion film can be specified with any of the glare shield options but we recommend using it with the /GS40 for best results.





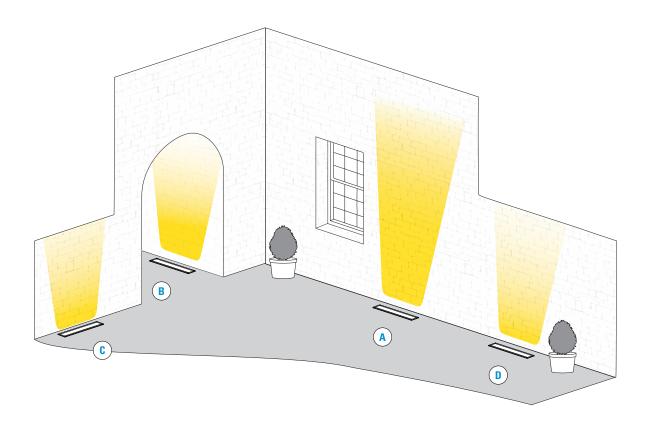






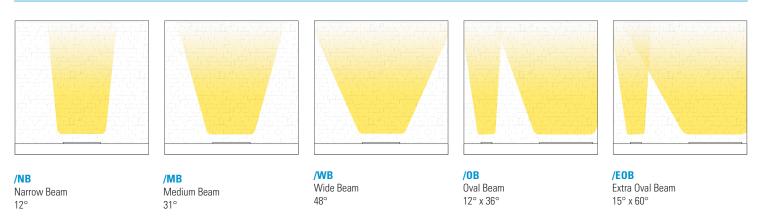
INSTALLATION GUIDE

Below is a luminaire positioning guide. Every project and lighting scenario will be different but the table below is to be used as a starting point for any wall wash design. Please use our photometric files to further test the desired effect for your application which are available to download on the LD34 product page on our website.



Uption	Code	Description	Use
A	LD34	Standard LD34	The standard LD34 can be used when maximum output is required. This option achieves a throw of up to 20m. Even without the presence of a glare shield the cowls over each optic provide a good amount of glare control.
B	/GS50	Glare shield with 50% optic coverage	This option has been designed for use when glare control is the priority and is ideal for narrow corridors and walkways. Not available with Wide Beam optics.
C	/GS40/FD	Glare shield with 40% optic coverage and linear diffusion strip.	This option has been designed to lower the starting position of the beam on the lit surface. This is useful for lighting low walls or when the fitting must be placed further away from the lit surface.
D	/GS40	Glare shield with 40% optic coverage	Ideal for use in walkways and arches where glare control is needed as well as a good punch up the wall.

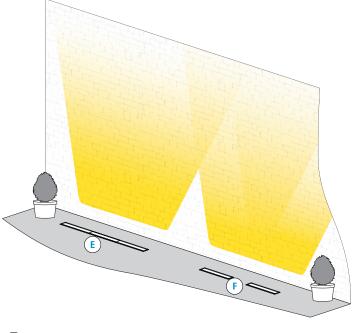
BEAM ANGLE OPTIONS







PRELIMINARY PRODUCT SPACING GUIDE



1.0 0.9 8.0 0.7 0.6 Offset (m) 0.5 0.4 0.3 0.2 0.1 0 Distance Between Fittings (m)

When spacing fittings further apart, the use of /EOB and possibly /FD is recommended depending on the offset and desired lit effect. The graph below shows recommended offsets and their corresponding spacings.

Note: These are estimated results please use photometric data to verify.

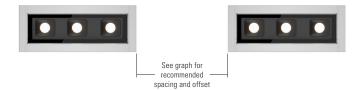


LD34 features the ability to create outstanding continuous wall washing capabilities, by seamlessly connecting multiple fittings while maintaining consistent LED spacing.





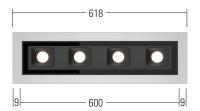
LD34 can be supplied with an extra oval beam /EOB. This 15° x 60° optic and film combination allows fittings to be spaced apart from each other but still produce a consistent lit effect.



LENGTH GUIDE Dimensions in mm

The LD34 is available in 7 set lengths to enable maximum flexibility, 150mm, 350mm 450mm, 600mm, 750mm, 1050mm and 1350mm, with LED's spaced at 50mm and 75mm. When selecting a length please note that a total of 18mm will be added to a single length or total run length to account for the flanged end cap.

Single length example:



In-line length example:







ORDER CODES & OPTIONS

Example: LD34-C1-700 / LW30 / 50 / 0B / Silver / SC / GS40 / 600mm

Light Engine & Drive Current	LED Colour	LED Spacing	Beam Angle	Finish	Fixing	Accessory	Length (Up to 1350mm)
		/	/	/		/	

		/			/			/			/		/		/		/		
WHITE LED ENGINES																			
LINEAR C1 ENGINE																			
1.2W LED at 350mA	LD34-C1-350		Super Warm White (2200K)	/LW22		50mm	/50		- 12° Narrow spot	/NB								150mm	/150
1.7W LED at 500mA	LD34-C1-500		Extra Warm White (2700K)	/LW27		75mm	/75		31° Medium	/MB		Silver Anodised		/CH		/FD		300mm	/300
2.4W LED at 700mA	LD34-C1-700		Warm White (3000K)	/LW30					48° Wide	/WB								450mm	/450
			White (4000K) - on request	/LW40					12° x 36° Oval Beam	/OB		Paint Finish Classic Bronze (YM262E)		/SC		/GS40		600mm	/600
			Cool White (5000K)	/LW50					15° x 60° Extra Oval Beam	/EOB						/GS50		750mm	/750
												Paint Finish Black (RAL 9005)				(Not available with Wide Beam optics)		1050mm	/1050
																/GL		1350mm	/1350
												Paint Finish Gunmetal Grey (RAL 7021)				/62		*Add 18mm to lengths above supplied as a length as flar caps are supplifited to prod	e when a single nged end plied
												Paint Finish Textured Fir Green (RAL 6009)							
												Paint Finish White (RAL 9016)							

Paint Finish - RAL

Drivers

Use with 350mA, 500mA & 700mA constant current LED drivers. We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website



