



KKDÖ

# KOH | 40

Linear General Lighting System

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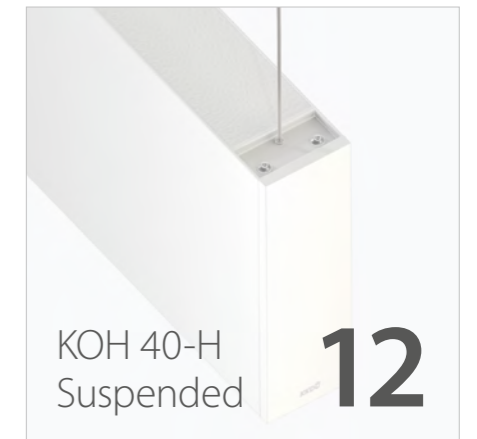
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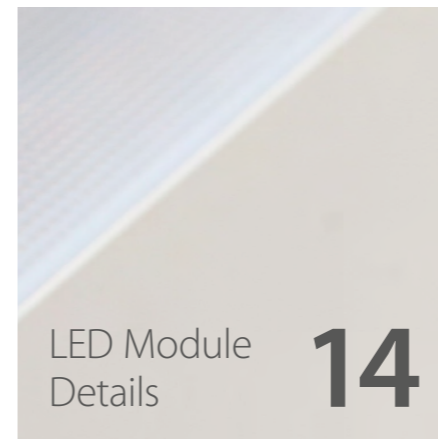
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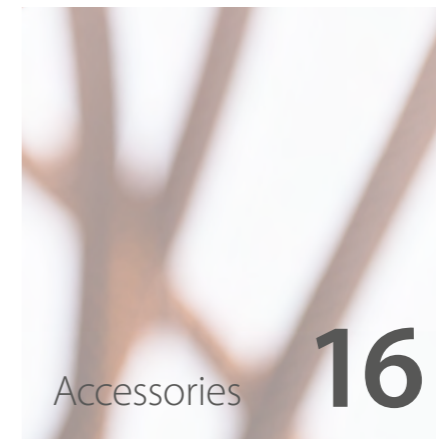
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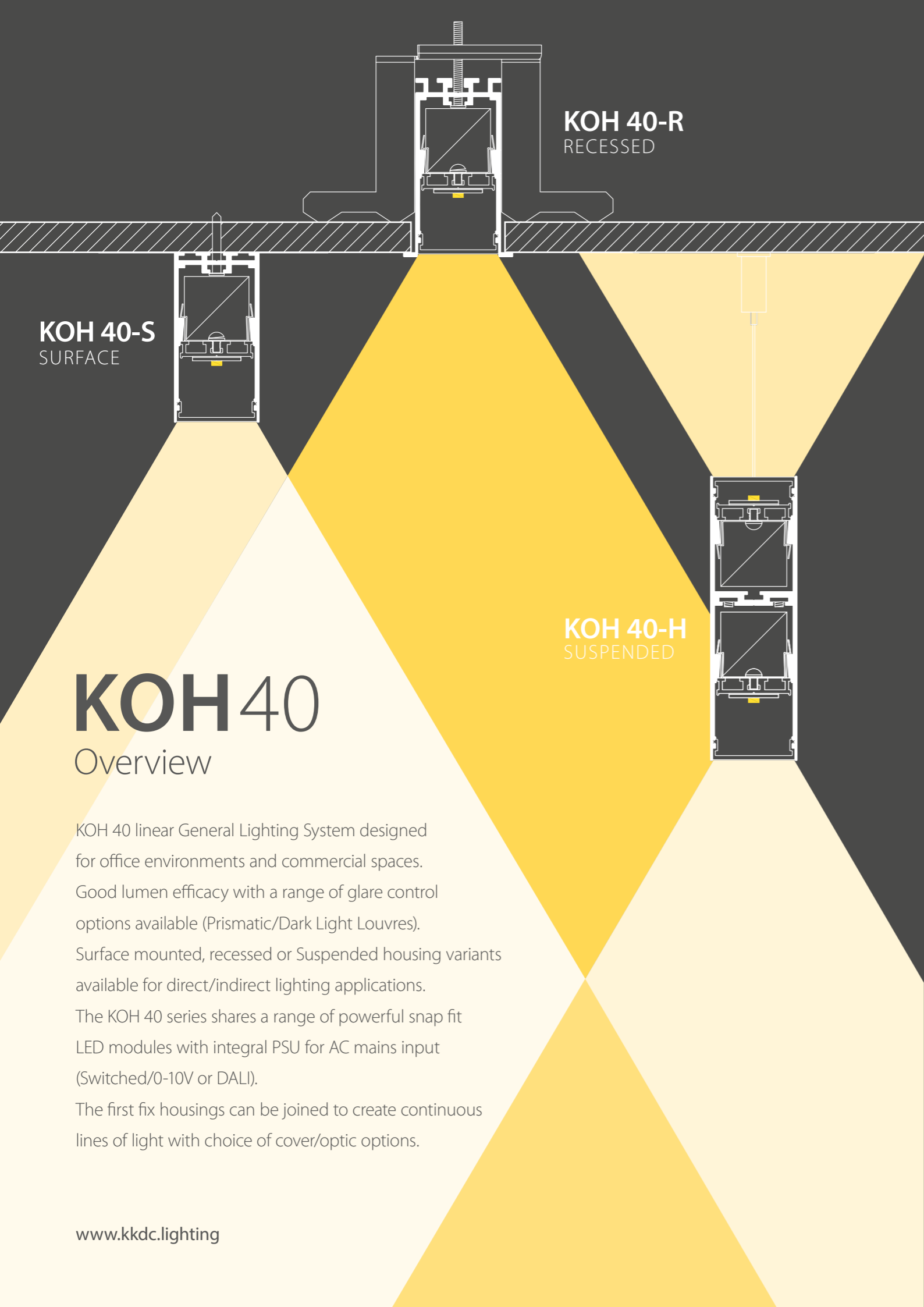
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**KOH 40-S**  
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# KOH 40

## Overview

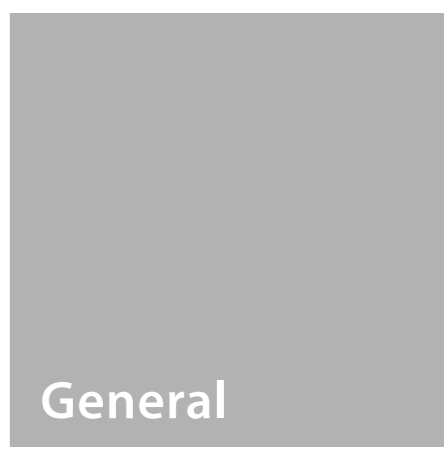
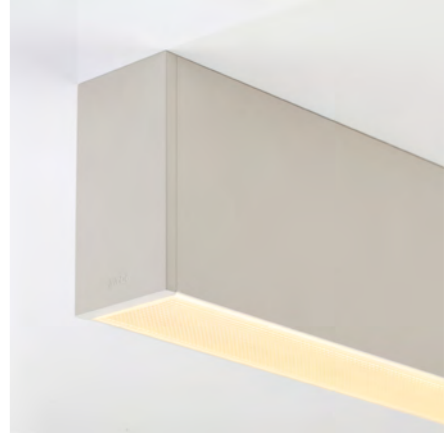
KOH 40 linear General Lighting System designed for office environments and commercial spaces. Good lumen efficacy with a range of glare control options available (Prismatic/Dark Light Louvres). Surface mounted, recessed or Suspended housing variants available for direct/indirect lighting applications. The KOH 40 series shares a range of powerful snap fit LED modules with integral PSU for AC mains input (Switched/0-10V or DALI). The first fix housings can be joined to create continuous lines of light with choice of cover/optic options.

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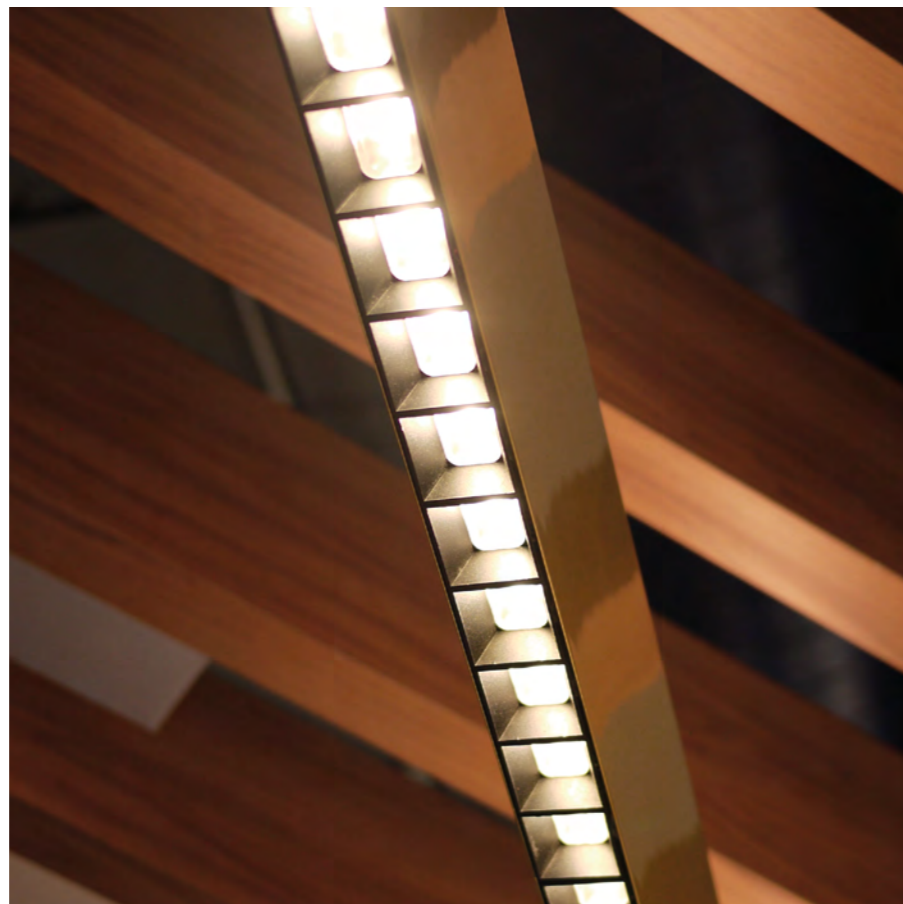
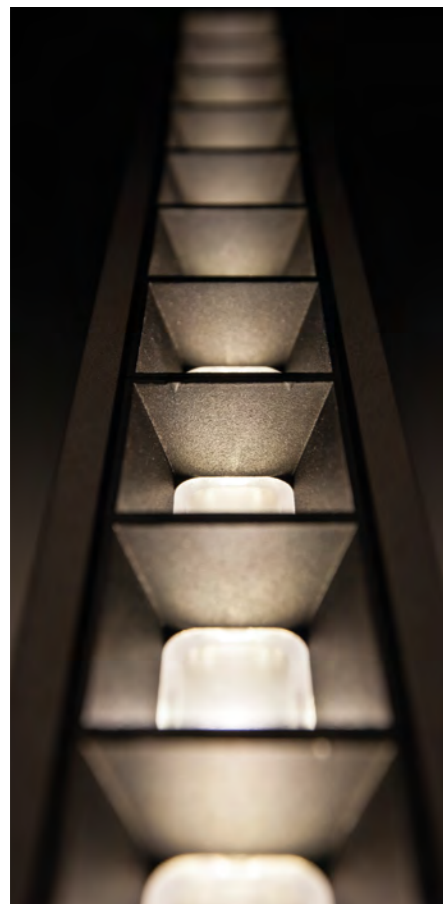
**KOH 40**  
Luminous Aperture Width:  
**40mm**  
3 product variants:  
**SURFACE (KOH 40-S)**  
**RECESSED (KOH 40-R)**  
**SUSPENDED (KOH 40-H)**



- ### Key Features
- ▶ Full Spectrum, High CRI and High Power LED package variants available.
  - ▶ Fully Homogenous or Prismatic snap-on covers.
  - ▶ Dark Light Louvre with innovative 2-piece design with lens or semi-diffused insert.
  - ▶ Installer friendly design with first fix housings and plug & play push-fit LED PSU kits (Switched/1-10V/DALI).
  - ▶ Integrated PSU for simple AC input connection.
  - ▶ High quality textured paint finishes available as standard (White/Silver/Grey/Black/Bronze).



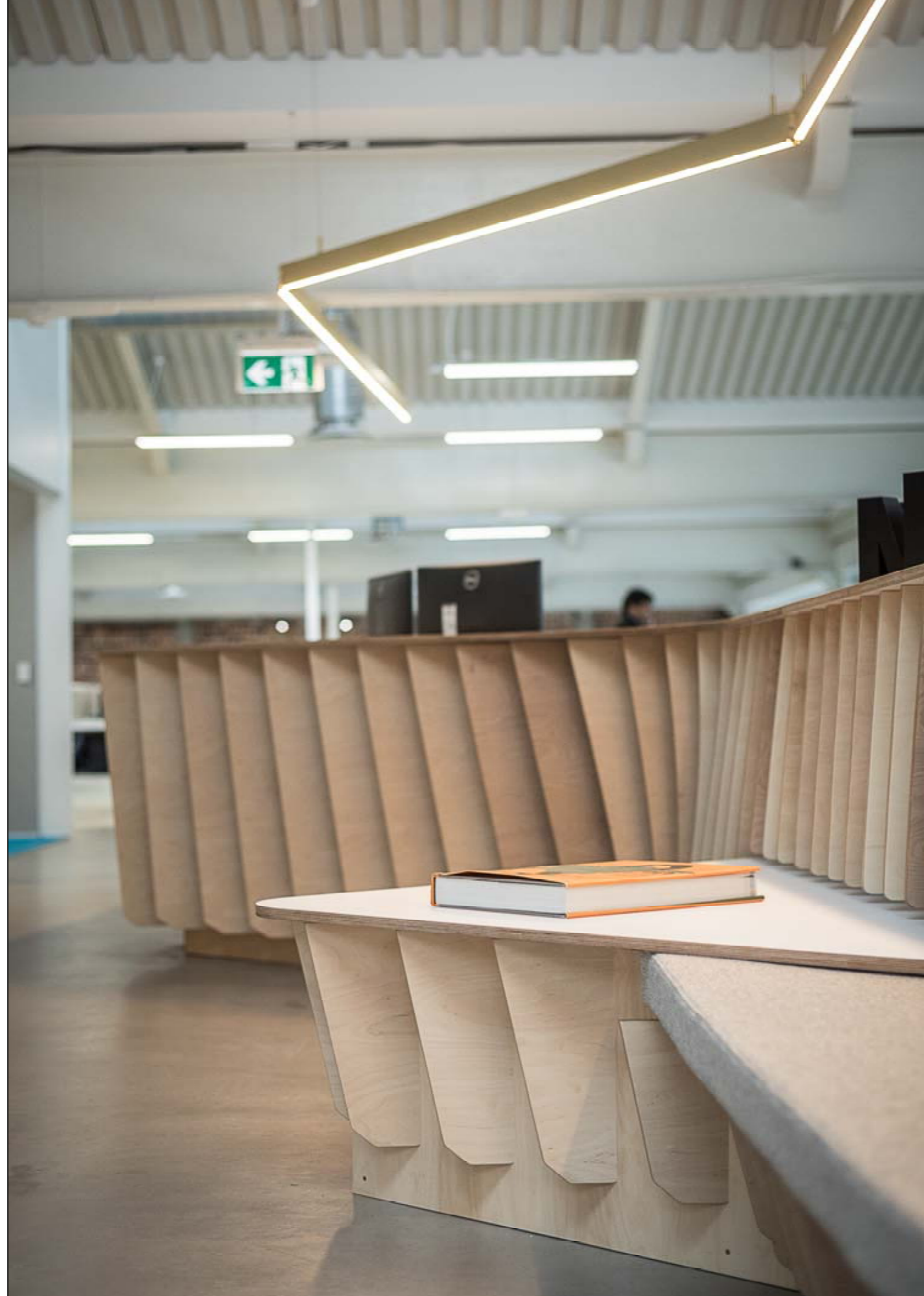
General



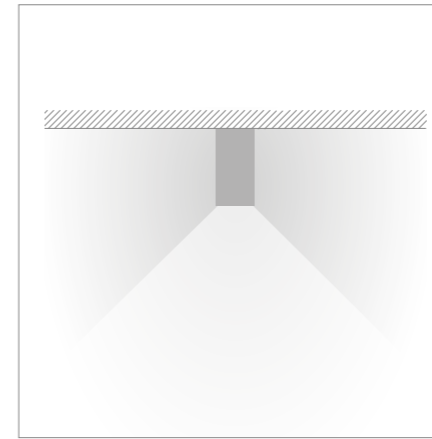
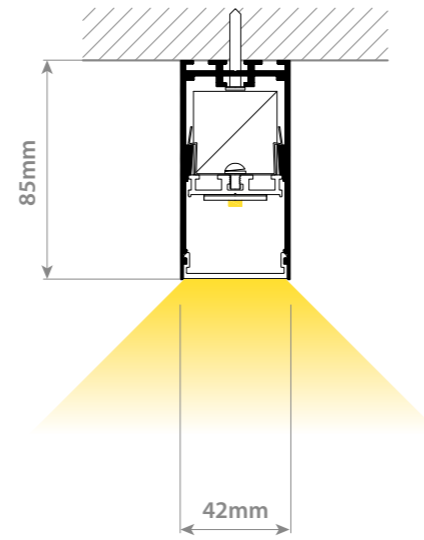
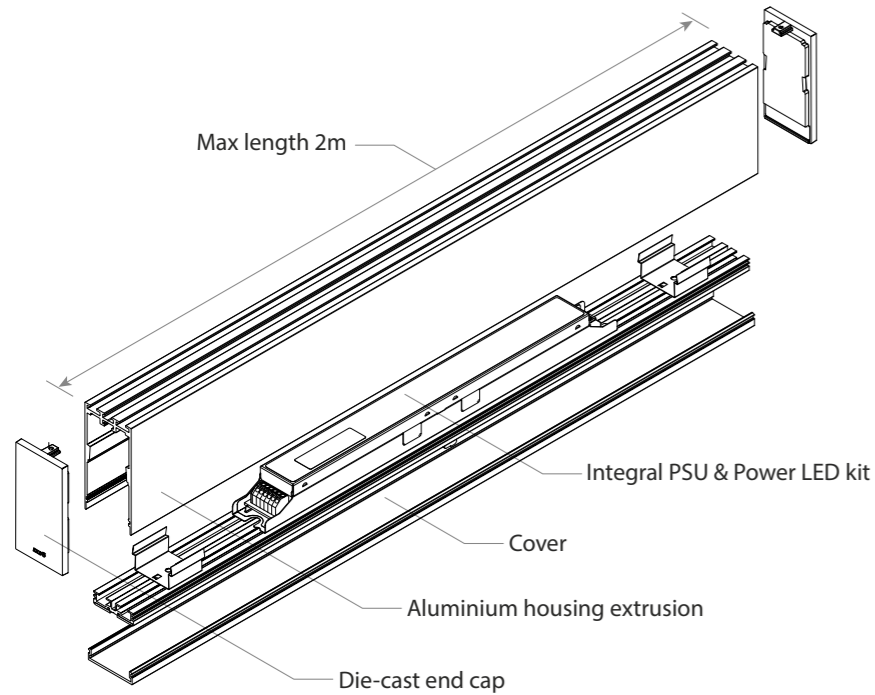
## KOH Office lighting system

### Applications and Benefits

- ▶ Diffused linear lighting, suitable for office and corporate environments.
- ▶ Continuous linear light runs are possible using the 'quick link' LED modules with a wide range of high power LED options & lenses.
- ▶ Diffused cover with 40mm wide luminous aperture, providing wide beam distribution.
- ▶ Louvres & Prismatic options for glare control.
- ▶ Direct/Indirect luminaire options to help designers.



# KOH 40-S



## KOH 40-S SURFACE

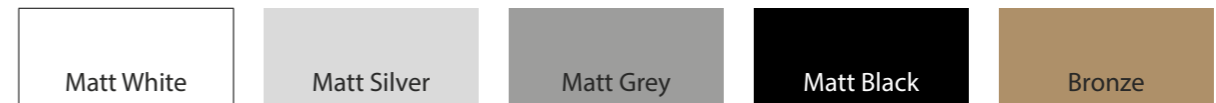
- ▶ Professional surface-mounted linear lighting system for general lighting with 40mm wide luminous aperture.
- ▶ Fully diffused, prismatic or dark light louvre cover options available.
- ▶ Choice of 3 LED package types with integral power supply (Switched/1-10V/DALI).
- ▶ Continuous lines of light possible with optional joining bars and suspension kit.

Housing	Finish	Cover	LED Type	Colour (CCT)	Length Availability	Lens	Module Type	Control	Voltage	
KOH 40-S	GA	Matt white paint	MW Diffused	C Full Spectrum <sup>1</sup>	532B 2700K <sup>1</sup> 27K 560mm	M 0560	No Lens	x Complete	1 0-10V 4 AC 100V	b
		Matt silver paint	MS Prismatic	G High CRI	630A 3000K <sup>1</sup> 30K 1120mm	M 1120	10° <sup>2</sup>	a Start	2 DALI 3 AC 220-240V	d
		Matt grey paint	MG Louvre	Q High Power <sup>2</sup>	957A 3500K 35K 1680mm	M 1680	20° <sup>2</sup>	b Middle	3	
		Matt black paint	MB		4000K 40K		30° <sup>2</sup>	c End	4	
		Bronze paint	BP		5000K 50K		Spread	e		

<sup>1</sup> Full Spectrum: 2700K/3000K only  
<sup>2</sup> For Louvre only

Full Code Table on page 17

## Finish Options (Textured Powder Coat)



## LED Module Options



**532B**  
Full Spectrum  
(Up to 1960lm/m)



**630A**  
High CRI  
(Up to 1990lm/m)



**957A**  
High Power  
(Up to 2684lm/m)  
\* Louvre only

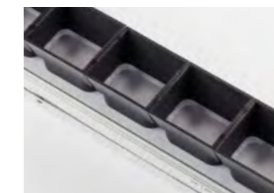
## Cover/Optic Options



Diffused, PMMA



Prismatic, PMMA

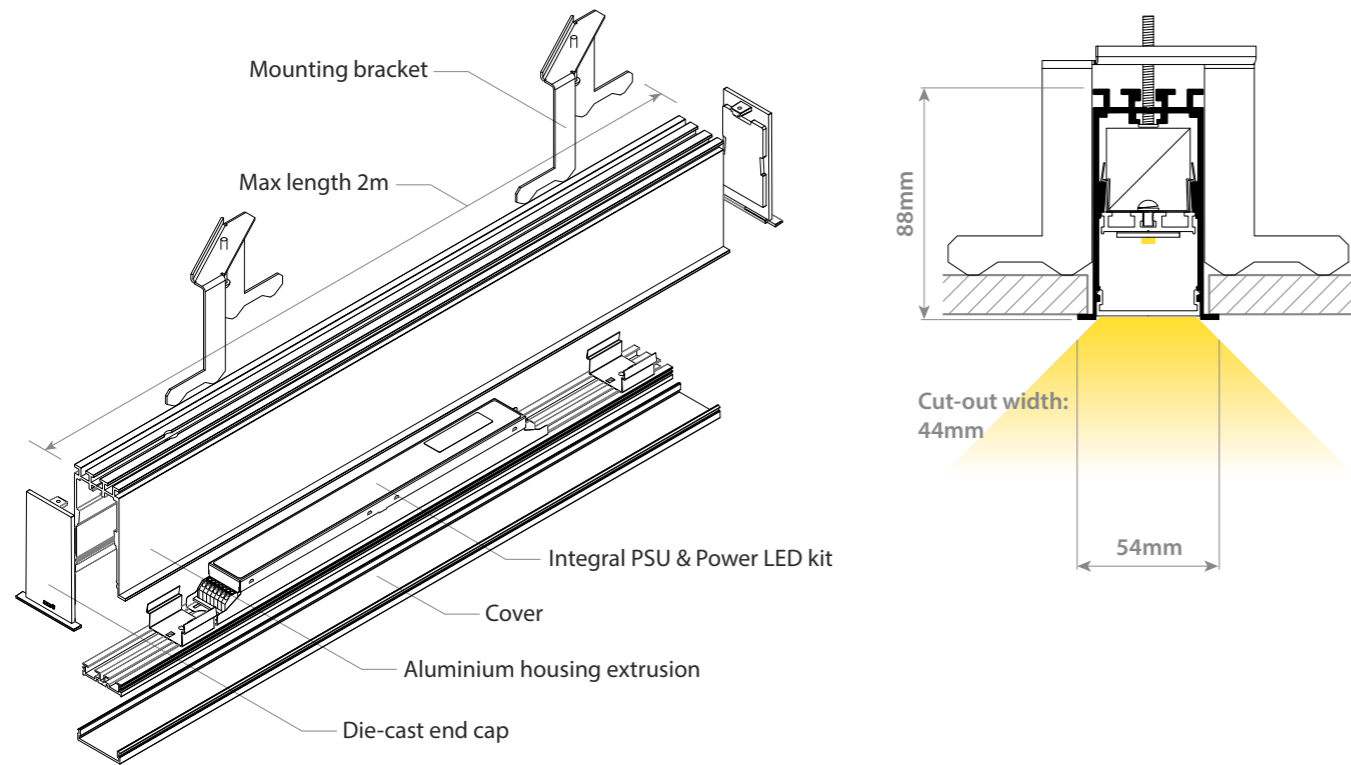


Dark Light Louvre with semi-diffused insert  
(Full Spectrum & High CRI)



Dark Light Louvre with Lens insert 10°/20°/30°/Spread  
(High Power only)

# KOH 40-R



## KOH 40-R RECESSED

- ▶ Professional recessed linear lighting system for DIRECT general lighting with 40mm wide luminous aperture.
- ▶ Fully diffused, prismatic or dark light louvre cover options available.
- ▶ Choice of 3 LED package types with integral power supply (Switched/1-10V/DALI).
- ▶ Continuous lines of light possible with optional joining bars and suspension kit.

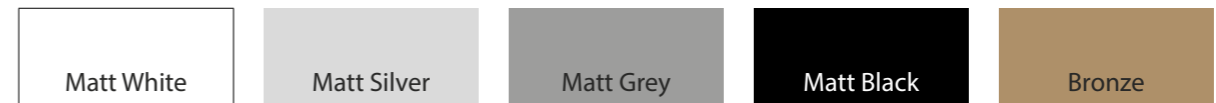
Housing	Finish	Cover	LED Type	Colour (CCT)	Length Availability	Lens	Module Type	Control	Voltage									
KOH 40-R	GB	MW	Diffused	C	Full Spectrum <sup>1</sup>	532B	2700K <sup>1</sup> 27K	560mm	M	0560	No Lens	x	Complete	1	0-10V	4	AC 100V	b
		MS	Prismatic	G	High CRI	630A	3000K <sup>1</sup> 30K	1120mm	M	1120	10° <sup>2</sup>	a	Start	2	DALI	3	AC 220-240V	d
		MG	Louvre	Q	High Power <sup>2</sup>	957A	3500K 35K	1680mm	M	1680	20° <sup>2</sup>	b	Middle	3				
		MB					4000K 40K				30° <sup>2</sup>	c	End	4				
		BP					5000K 50K				Spread	e						

<sup>1</sup> Full Spectrum: 2700K/3000K only

<sup>2</sup> For Louvre only

Full Code Table on page 17

### Finish Options (Textured Powder Coat)



### LED Module Options



**532B**  
Full Spectrum  
(Up to 1960lm/m)



**630A**  
High CRI  
(Up to 1990lm/m)



**957A**  
High Power  
(Up to 2684lm/m)  
\* Louvre only

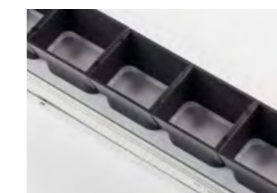
### Cover/Optic Options



Diffused, PMMA



Prismatic, PMMA

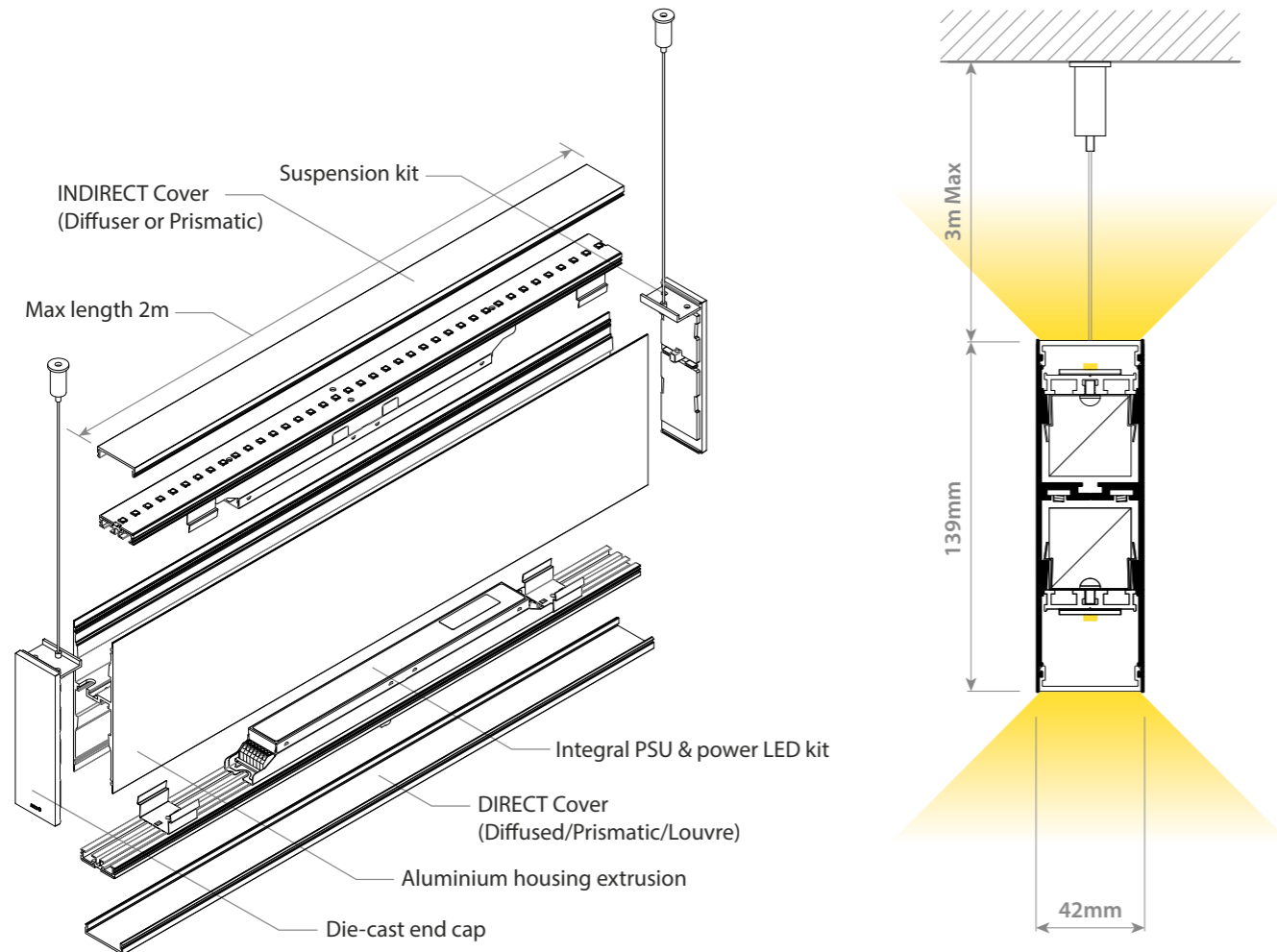


Dark Light Louvre with semi-diffused insert  
(Full Spectrum & High CRI)



Dark Light Louvre with Lens insert 10°/20°/30°/Spread  
(High Power only)

# KOH 40-H



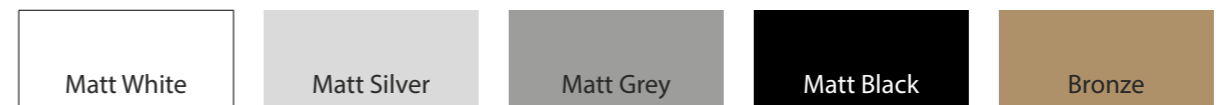
## KOH 40-H SUSPENDED

- ▶ Professional suspended linear lighting system for DIRECT general lighting with 40mm wide luminous aperture for DIRECT and INDIRECT lighting.
- ▶ Fully diffused, prismatic or dark light louvre cover options available for DIRECT lighting. Fully diffused/ Prismatic covers available for INDIRECT lighting (Prismatic recommended for increased lumen efficacy).
- ▶ Choice of 3 LED package types with integral power supply (Switched/1-10V/DALI).
- ▶ Continuous lines of light possible with optional joining bars and suspension kit.

Housing	Finish	Cover	LED Type	Colour (CCT)	Length Availability	Lens	Module Type	Control	Voltage
KOH 40-H (Diffused Indirect)	GC Matt white paint	MW Diffused	C Full Spectrum <sup>1</sup>	532B 2700K 27K	560mm M 0560	No Lens	x Complete	1 0-10V 4	AC 100V b
KOH 40-H (Prismatic Indirect)	GD Matt silver paint	MS Prismatic	G High CRI	630A 3000K 30K	1120mm M 1120	10 <sup>92</sup>	a Start	2 DALI 3	AC 220-240V d
	Matt grey paint	MG Louvre	Q High Power <sup>2</sup>	957A 3500K 35K	1680mm M 1680	20 <sup>92</sup>	b Middle	3	
	Matt black paint	MB		4000K 40K		30 <sup>92</sup>	c End	4	
	Bronze paint	BP		5000K 50K		Spread <sup>2</sup>	e		

<sup>1</sup> Full Spectrum: 2700K/3000K only  
<sup>2</sup> For Louvre only

### Finish Options (Textured Powder Coat)



### LED Module Options



**532B**  
Full Spectrum  
(Up to 1960lm/m)



**630A**  
High CRI  
(Up to 1990lm/m)



**957A**  
High Power  
(Up to 2684lm/m)  
\* Louvre only

### Cover/Optic Options



Diffused, PMMA



Prismatic, PMMA



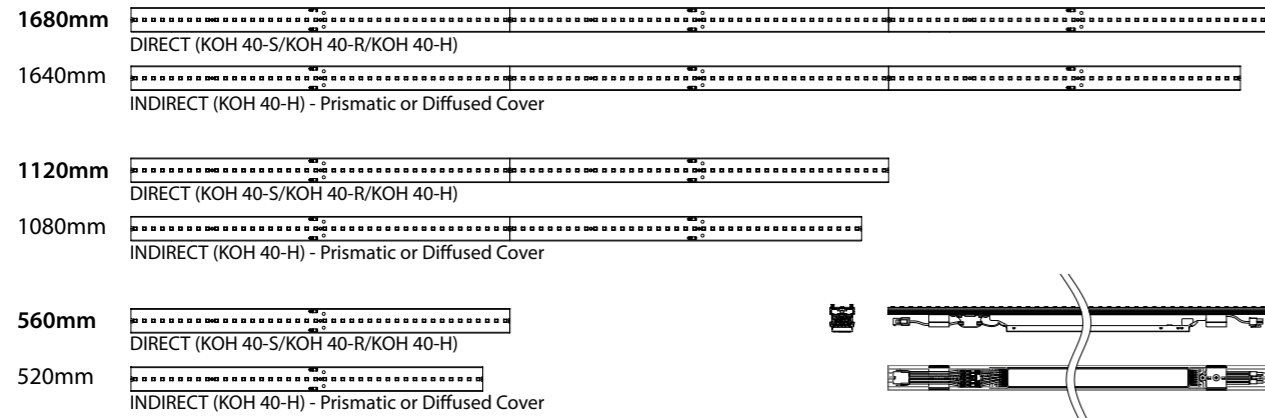
Dark Light Louvre with semi-diffused insert  
(Full Spectrum & High CRI)



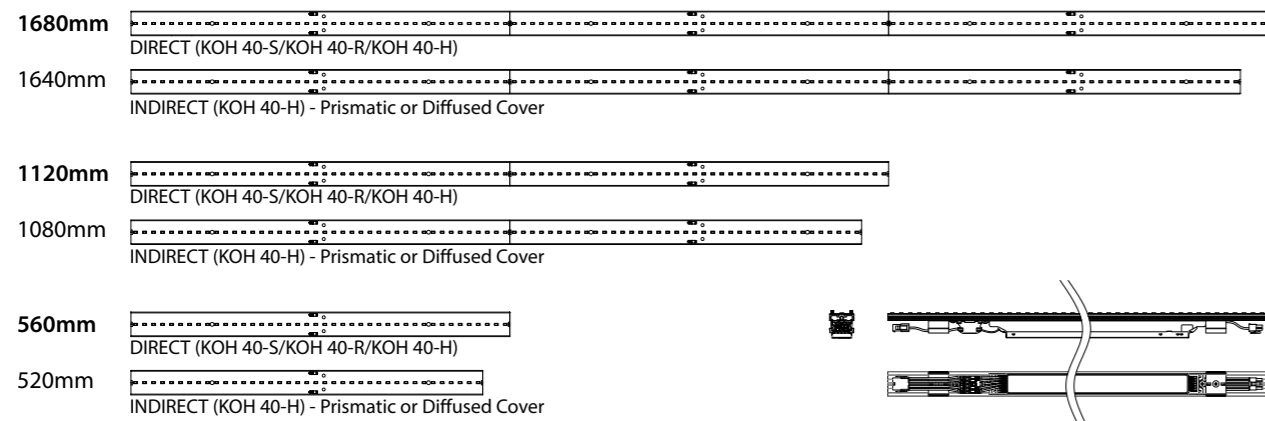
Dark Light Louvre with Lens insert 10°/20°/30°/Spread  
(High Power only)

# LED Module Details

## 532B Full Spectrum LED Modules (1-10V or DALI)



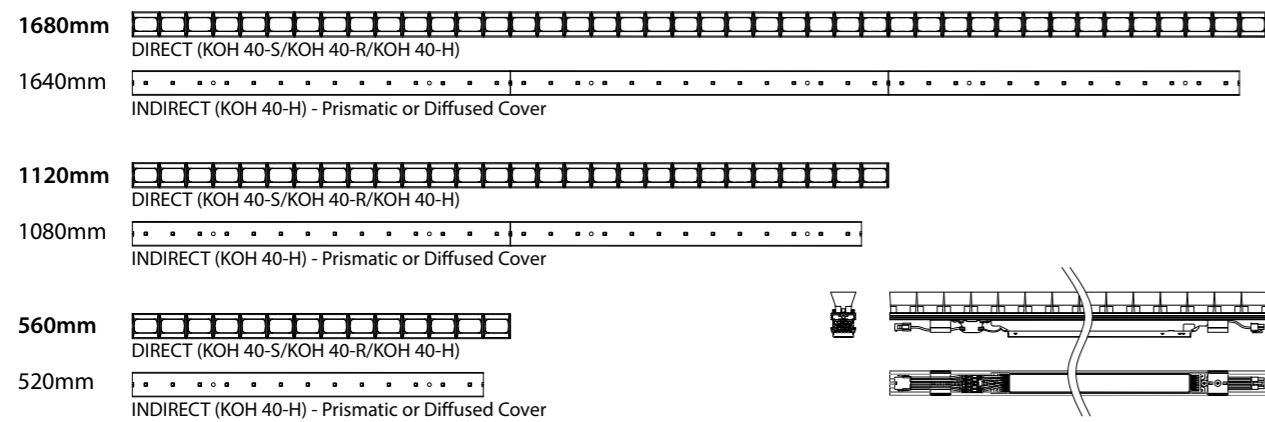
## 630A High CRI LED Modules (1-10V or DALI)



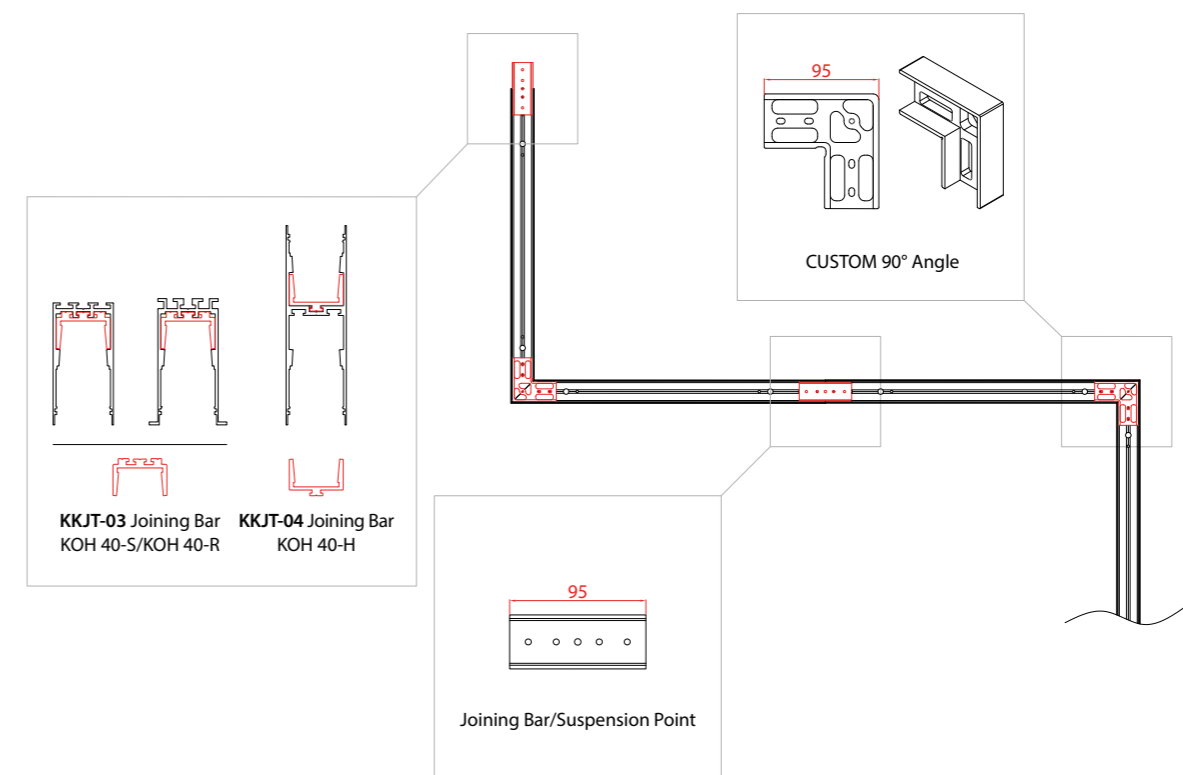
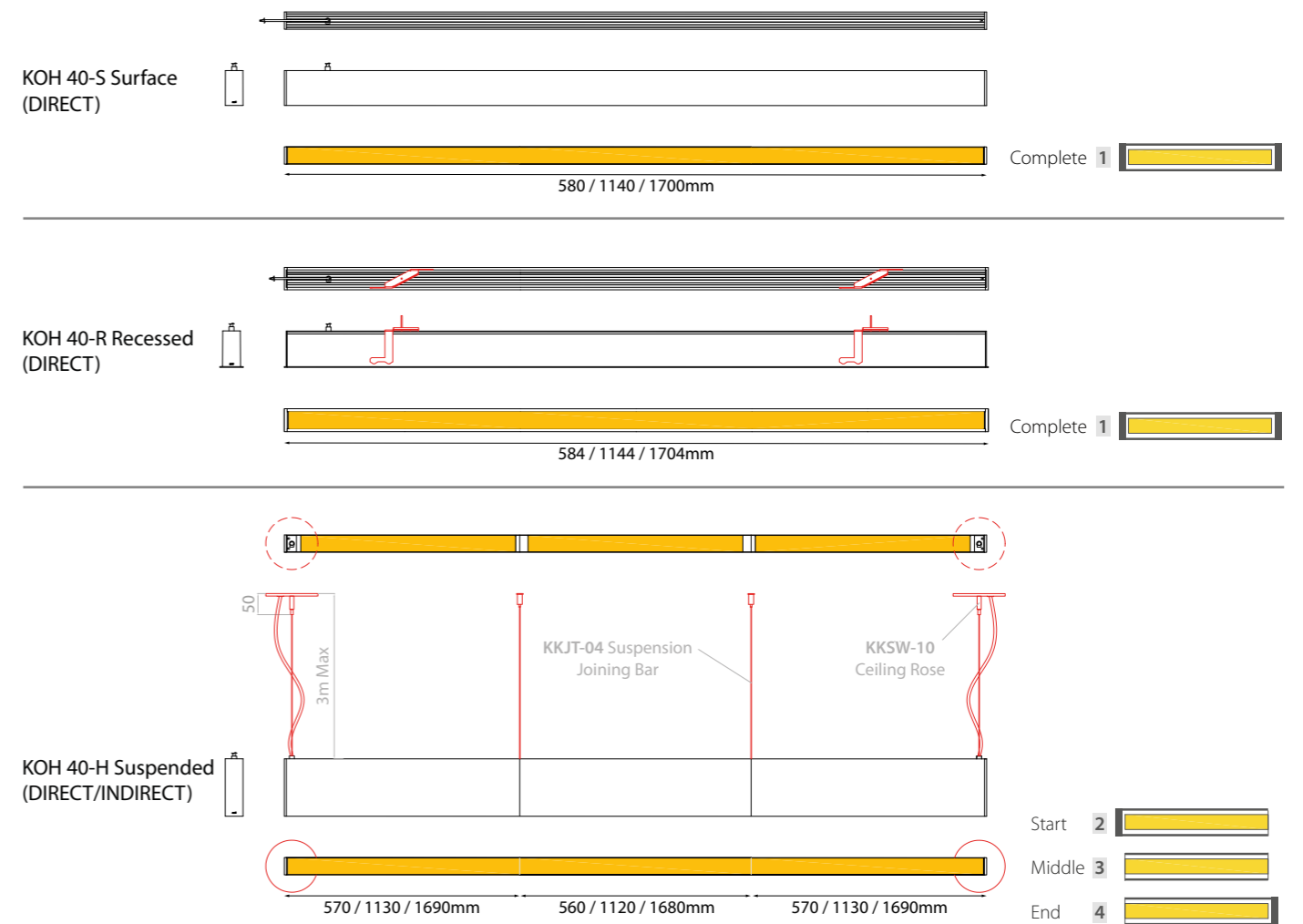
## 957A High Power LED Modules (1-10V or DALI)



Dark Light Louvre with Lens insert



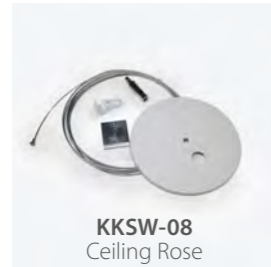
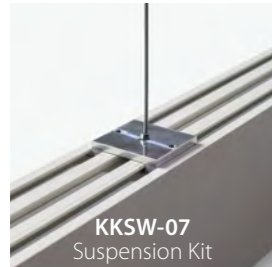
## KOH Configuration Example



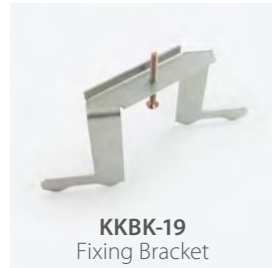


# Accessories

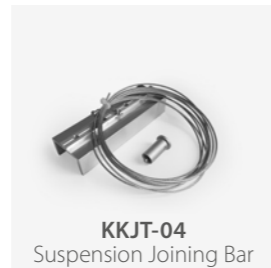
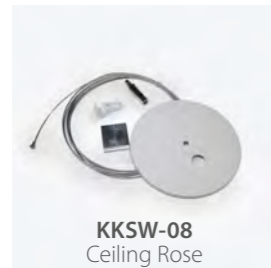
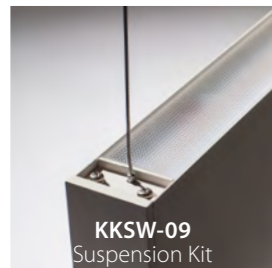
## KOH 40-S



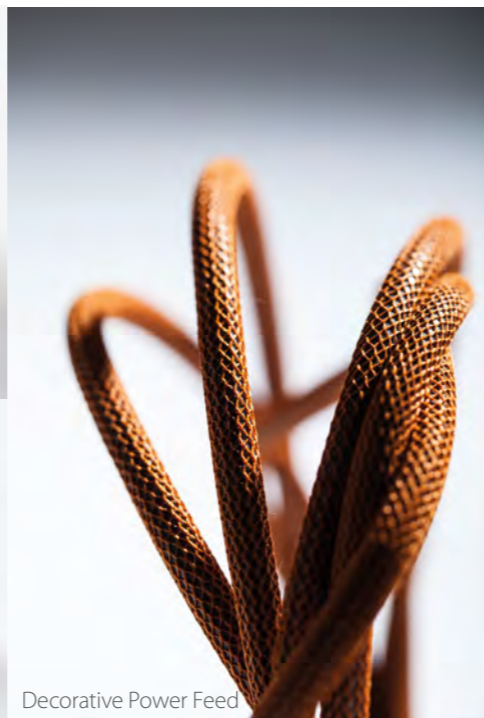
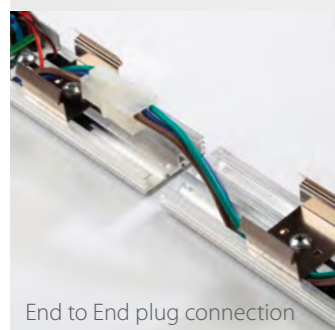
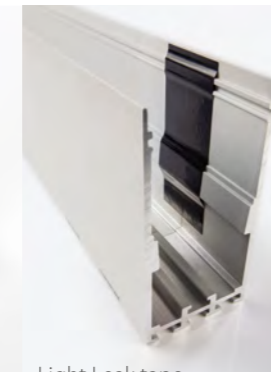
## KOH 40-R



## KOH 40-H



# Feature Details



# KOH 40 Code Table

Housing	Finish	Cover	LED Type	Colour (CCT)	Length Availability	Lens	Module Type*	Control Type (Internal)	Voltage
KOH 40-S	<b>GA</b> Matt white paint	<b>MW</b> Louvre	<b>Q</b> Full Spectrum	<b>532B</b> 2700K <b>27K</b>	560mm <b>M</b> <b>560</b>	No Lens <b>x</b>	Complete <b>1</b>	0-10V <b>4</b>	AC 100V <b>b</b>
KOH 40-R	<b>GB</b> Matt silver paint	<b>MS</b> Diffused	<b>C</b>	3000K <b>30K</b>	1120mm <b>M</b> <b>1120</b>		Start <b>2</b>	DALI <b>3</b>	AC 220-240V <b>d</b>
KOH 40-H (Diffused Indirect)	<b>GC</b> Matt grey paint	<b>MG</b> Prismatic	<b>G</b> High CRI	<b>630A</b> 2700K <b>27K</b>	1680mm <b>M</b> <b>1680</b>		Middle <b>3</b>		
KOH 40-H (Prismatic Indirect)	<b>GD</b> Matt black paint	<b>MB</b>		3000K <b>30K</b>			End <b>4</b>		
	Bronze paint <b>BP</b>			3500K <b>35K</b>					
				4000K <b>40K</b>					
				5000K <b>50K</b>					
		Louvre <b>Q</b> High Power	<b>957A</b>	2700K (90CRI) <b>27K</b>	560mm <b>M</b> <b>560</b>	No Lens <b>x</b>			
				3000K (90CRI) <b>30K</b>	1120mm <b>M</b> <b>1120</b>	10° <b>a</b>			
				3500K (80CRI) <b>35K</b>	1680mm <b>M</b> <b>1680</b>	20° <b>b</b>			
				4000K (80CRI) <b>40K</b>		30° <b>c</b>			
				5000K (80CRI) <b>50K</b>		Spread <b>e</b>			

\* Various fixture lengths as per Module Type

### Module Type

Complete	<b>1</b>	
Start	<b>2</b>	
Middle	<b>3</b>	
End	<b>4</b>	

### Code Example:

<b>GA</b>	-	<b>MW</b>	-	<b>C</b>	-	<b>630A</b>	-	<b>27K</b>	-	<b>M</b>	-	<b>1120</b>	-	<b>x</b>	-	<b>1</b>	-	<b>4</b>	-	<b>d</b>
KOH 40-S		Matt white paint		Diffused		High CRI		2700K		1120mm		No Lens		Complete		0-10V		AC		220-240V

### Accessory Order Codes

KOH 40-S	KOH 40-R	KOH 40-H
Mounting		
<b>KKS-07</b> Suspension Kit	<b>KKBK-19</b> Fixing Bracket	<b>KKS-09</b> Suspension Kit
<b>KKS-08</b> Ceiling Rose		<b>KKS-08</b> Ceiling Rose
Others		
<b>KKJT-03</b> Joining Bar	<b>KKJT-03</b> Joining Bar	<b>KKJT-04</b> Joining Bar
<b>KKCN-26</b> Power Feed	<b>KKCN-26</b> Power Feed	<b>KKCN-26</b> Power Feed

# Quick Reference Guide



	KOH 40-S			KOH 40-R			KOH 40-H		
Section drawing									
Section dimension (HxW, mm)	84.5x42.8			88.5x55.4			139x42.8		
Mounting	Surface			Recessed			Suspended		
UP/Down lighting	Down			Down			Both Up & Down		
IP Rating	IP40			IP40			IP40		
Chip	Full Spectrum	High CRI	High Power	Full Spectrum	High CRI	High Power	Full Spectrum	High CRI	High Power
CRI	≥ 95	≥ 90	≥80 (≥90 @2700K, 3000K)	≥ 95	≥ 90	≥80 (≥90 @2700K, 3000K)	≥ 95	≥ 90	≥80 (≥90 @2700K, 3000K)
Cover	Diffused/ Prismatic/ Louvre	Diffused/ Prismatic/ Louvre	Louvre	Diffused/ Prismatic/ Louvre	Diffused/ Prismatic/ Louvre	Louvre	Diffused/ Prismatic/ Louvre	Diffused/ Prismatic/ Louvre	Louvre
Lens	No lens	No lens	10°/20°/30° Spread lens	No lens	No lens	10°/20°/30° Spread lens	No lens	No lens	10°/20°/30° Spread lens
Homogeneous/Spotting									
Output	Diffused cover (DIR)	720lm	990lm		720lm	990lm		720lm	990lm
	Prismatic cover (DIR)	850lm	1170lm		850lm	1170lm		850lm	1170lm
	Louvre + Frosted cover (DIR)	350lm	480lm	870lm	350lm	480lm	870lm	350lm	480lm
	Louvre + 10° lens (DIR)			2190lm			2190lm		
	Louvre + 20° lens (DIR)			2150lm			2150lm		
	Louvre + 30° lens (DIR)			1890lm			1890lm		
	Louvre + Spread lens (DIR)			810lm			810lm		
	Diffused cover (IND)						860lm	1170lm	1830lm
Efficacy	Prismatic cover (IND)						980lm	1330lm	2110lm
	Diffused cover (DIR)	38.3lm/W	56.8lm/W		38.3lm/W	56.8lm/W		38.3lm/W	56.8lm/W
	Prismatic cover (DIR)	45.4lm/W	66.9lm/W		45.4lm/W	66.9lm/W		45.4lm/W	66.9lm/W
	Louvre + Frosted cover (DIR)	18.4lm/W	29lm/W	27lm/W	18.4lm/W	29lm/W	27lm/W	18.4lm/W	29lm/W
	Louvre + 10° lens (DIR)			65.2lm/W			65.2lm/W		
	Louvre + 20° lens (DIR)			64.1lm/W			64.1lm/W		
	Louvre + 30° lens (DIR)			56.4lm/W			56.4lm/W		
	Louvre + Spread lens (DIR)			24.1lm/W			24.1lm/W		
Diffused cover (IND)						46.4lm/W	66.2lm/W	54.7lm/w	
Prismatic cover (IND)						52.8lm/W	76.2lm/W	62.9lm/w	





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