KELLWOOD LIGHTING

- **Aesthetic range of corrosion resistant wall packs, 130lm/W family efficacy, application use in industrial areas.**

- **0% Upward Light Ratio increases task area illumination.**

- **Power variants of 40W and 70W, and focused forward throw optic.**

- **IP65 + IK10 design, downward facing optic reduces light loss and maintenance requirements.**

CE, RoHS, UL, and DLC, International product marks

Beattie 2 Series
LED Wall Pack

KK
EST. 1985

ENGINEERING ◄◄
ELECTRICAL ◄◄
LIGHTING ◄◄

Technical Specifications Summary

Performance Summary:

Code (Series-Wattage/Size)	BEA2-40	BEA2-70
Nominal Power	40W	70W
Luminaire Efficacy @ CRI>70, 5000K CCT	139lm/W	138lm/W
Lumen Output @ CRI>70, 5000K CCT	5,560lm	9,660lm
Lumen Maintenance (TM21 Reported)	L90B50 ≥60,000 hours @ Tc 55°C	
Certification	CE, RoHS, UL, DLC	
Product Warranty	5 Years	

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Nichia GRT-V3	
Chip Efficacy @ CRI>70, 5000K CCT	157lm/W @ 150mA Rank P20	
Light Emmission	Direct	
CCT	5000K, (2700K, 4000K optional)	
CRI	≥70, (≥80 optional)	
SDCM	<5	
Diffusers	Clear	
Asymmetric Light Distribution	4M	

Electrical Parameters[1]:

System Operating Power	40W	70W
Driver Brand	Sosen	
Driver Model	SS-50H	SS-75H
System Power Factor	>0.96	
Typical Driver Lifetime	>55,000 hours @ Ta 25°C	
Input Voltage	100-277VAC	
Input Frequency	50-60Hz	
Qty of Drivers per Light	1	
Inrush Current Per Driver @ 230VAC measured at 50% Ipeak (Peak/Duration)	40A/450μs	60A/450μs
Power Factor	>0.90	
THD	<20% (100-277VAC)	
Insulation Class	Class I	
Surge Protection/Fusing	6kV	

Environmental Parameters:

IP Rating	IP65
IK Rating	IK10
Ambient Usage Tolerance	-30°C to 50°C
Ambient Storage Tolerance	-40°C to 70°C
Driver automatic turn-off temperature	90°C
Ambient Humidity Tolerance	10% to 90% RH

Technical Specifications Summary

Code (Series-Wattage/Size)	BEA2-40	BEA2-70
Physical/Mechanical Parameters:		
Product Dimensions: LxWxH (mm)	296 x 150 x 223	296 x 150 x 223
Qty of Modules	1	
Electrical Connection	Terminal Block	
Fixture Weight²	3.9kg	
Fixture Primary Material(s)	Aluminium Alloy & Stainless Steel Fixings	
Fixture Finish	Powder Coating	
Lens(es) Materials	UV Stabilised Polycarbonate	
Dimming/Controls Parameters:		
Dimming Options	1-10V	
Options/Accessories:		
Mounting Styles	Surface mounted	
Available Product Colours	Black (RAL 9011), Grey (RAL 7045)	

¹ Electrical Parameter data is for D1 drivers, unless otherwise stated
³ Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

Features Summary

Installation

Removable gear tray - Rear/Side cable entry knockouts for ease of installation

Asymmetric Optic

Purpose asymmetrical dispersion pattern suitable for most applications

Impact Protection

Powder coated Aluminium housing and polycarbonate diffuser provide an excellent IK10 impact rating for durability and toughness.

Ingress Protection
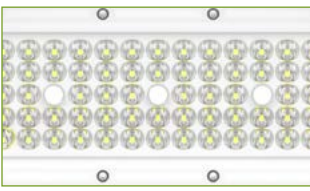
IP65 protection gives excellent weather protection

Indicative Product Photometry

4M Optic

ISOLUX DIAGRAM

POLAR DIAGRAM
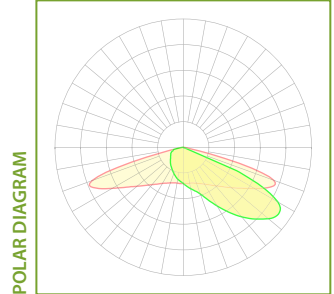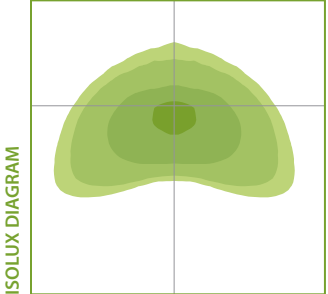
Diffusers

This series is available with the following diffusers. Each diffuser will have a varying effect on photometric distribution and intensity.
Please refer to downloadable photometrics for exact data.

Clear Diffuser

Technical Drawings

150mm (5.91")

223mm (8.78")

296mm (11.65")

126mm (4.96")
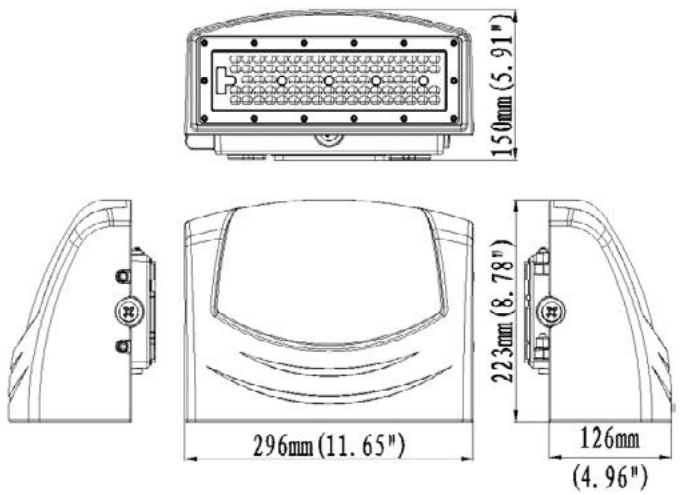
Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

Standard product code fields are presented as:
Further customisation may be available - please contact us if required

CODE
Description

730
CRI>70, 3000K

Product Ordering Codes

PRODUCT	POWER	CRI & CCT	DRIVER	COLOUR
BEA2	**40** 40W	**727** CRI >70, 2700K	**D1** NON-DIM	**BR** BRONZE
	70 70W	**740** CRI >70, 4000K	**D2** 1-10V	
		750 CRI >70, 5000K	**D4** NON-DIM	
		827 CRI >80, 2700K	**D5** 1-10V	
		840 CRI >80, 4000K		
		850 CRI >80, 5000K		

Product Ordering Code Examples:

BEA2-40-750-D1-BR
BEA2-70-850-D2-BR

DRIVER MANUFACTURER				
POWER	D1	D2	D4	D5
40 40W	SOSEN	SOSEN	Done	Done
70 70W	SOSEN	SOSEN	Done	Done

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

GENERAL NOTES:
1. IF MORE THAN ONE MODIFICATION IS REQUIRED, SEPARATE EACH MODIFICATION WITH A HYPHEN AT THE END OF THE PRODUCT CODE

2. PLEASE ENSURE SELECTION OF COMPATIBLE DRIVER FOR OCCUPANCY SENSORS WITH DIMMING FUNCTIONALITY

3. PLEASE NOTE THAT MODIFICATIONS WHICH AFFECT LIGHT OUTPUT HAVE SEPARATE PHOTOMETRIC FILES IDENTIFIED WITH ..."+(MODIFICATION)"

4. ALTERNATIVE DRIVERS MAY BE AVAILABLE - PLEASE CONTACT OUR OFFICE FOR FURTHER DETAILS

5. IF PRODUCT IS CUSTOMISED, CODES WILL BE ALTERED AS NECESSARY